



Volume 33

Issue 2

May 2007

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President's Message

I do not know about you, but I had a year! It is a good thing that my PDA tells me so, because my stint as President of the Bonneville Chapter went by in a haze. There was even a few extra weeks of daylight savings (thanks GW), but I didn't even notice.

It was a presidency that I started with high expectations in completing some of the goals initiated by Dr. Budy: 1) member service and satisfaction, 2) information transfer and outreach, and 3) aquatic stewardship. These goals stemmed from the most recent strategic plan developed by the parent chapter in 2004, and although I felt we continue to make progress in our achievements, we still have plenty of room for enhancement.

It was a year when our membership increased – or at least more of our members paid their dues. Kudos to all of you. I can only hope that our chapter's membership in the parent society improved as well; I do not want to get on my soap box again to remind you of all the benefits that AFS membership has to each of us as fisheries professionals, so just do it. Our EXCOMM will continue to promote the parent society, and more opportunities will be offered for BAFS members to win these coveted (and somewhat pricey) memberships.

Attendance to our annual meeting was likewise good as ever. And as you can see from Paul Cowley's report, we did better than just break even. In fact we actually profited nearly 4k from the chapter meeting. Our EXCOMM continues to think about how to disseminate these funds such that the majority of members are satisfied with our Chapter service. Any additional ideas from the membership are always appreciated. Besides just the numbers, the feedback I received from members in regards to the annual meeting was all positive. I particularly felt the plenary session provided some necessary information on the Mercury issue we are faced with lately. At best, I hope it increased the awareness of chapter members about the complexity of this issue and other environmental challenges on the horizon. In addition, we had an excellent line-up of speakers, posters, and social activities. And although I did not win the fly-rod in the superb raffle, it was great to see members and presenters from some of the agencies and academic institutions that seemed to be underrepresented in the past couple of years. More kudos. Hopefully we can have another strong showing at our 2008 Chapter meeting in Moab. I understand it is a great place to be.

(Continued on page 4)

AFS LISTSERVER INFORMATION

The mailing list for Bonneville AFS is hosted on a computer at Utah State University. As is the norm for the digital world, USU has upgraded both the hardware and software used for hosting mailing lists at the university. The new machine also comes with a new address. The mailing list is now at Bonneville_AFS@lists.usu.edu. A few things to note about the new mailing list:

1. If you're not already member of the list go to http://lists.usu.edu/mailman/listinfo/

bonneville_afs or send an email to BONNEVILLE_AFS-JOIN@lists.usu.edu. 2. If you want to post to the list you must be a member of the list. Membership is not screened. 3. The list is not moderated. 4. To change the characteristics of your subscription (e.g. email address, digested postings, etc) visit the link in #1 above. 5. The new software provides an archival feature thus if you want to recover a previously deleted post go to the link in mentioned in #1 above.

If you want to post a message to the list server, simply send a new message to BONNEVILLE_AFS@lists.usu.edu. You may type in the subject and your message just like you

would for any other email. To view the list archives go to the link above and follow the instructions at Using Bonneville_AFS. Address any other questions to the list administrator at Bonneville_AFS-owner@lists.usu.edu.

.....Jim Shoemaker



Treasurer's Meeting Summary

We have totaled all of the incoming and outgoing monies from the 2007 meeting. Although a budget breakdown is not available at this time, it appears that our income increased from 2006 and our expenses stayed approximately the same. Therefore, the Chapter ended up with a net increase of \$3,674.83. Although this total does not include miscellaneous expenses, the estimate is fairly accurate. I have investigated the difference between this year and last year with regard to our net gain and arrived at the following conclusions:

-Although we had approximately the same number of participants, we didn't waive as many registrations (21 waivers in 2006 vs. 11 in 2007).

-All registration fees increased by approximately \$5 and there were more late registrants (6 late students and 9 late regular members). Students paid an additional \$25 vs. a \$15 increase for all others. There were also 30 "non-member" registrations, three of which were late.

-More people paid membership dues at the meeting in 2007, which was about a \$150 difference.

-The student subunit increased their revenue by \$500 over last year's total for their short course (Bioenergetics Modeling). This will of course be returned to the student subunit, but kudos to them for doing so well!

-Other factors include lower than estimated fees for the Copper Mill banquet and meeting breaks, no rent on audio-visual equipment from Agencies, and low meeting rooms fees through the University.

The meeting was financially successful, which indicates the rates charged were adequate and probably will continue to be for the next few years. We continue to have one of the lowest registration fees for annual meetings which can reach \$100 in nearby chapters.

.....Trina Hedrick

BONNEVILLE CHAPTER BUSINESS MEETING SUMMARY

**Eccles Center USU Campus
March 21, 2007**

08:00 Call to order, welcome, introductions (Patrick)

To get Chapter members involved in the parent society and because the EXCOMM would like to find ways to encourage people to participate, we decided to give away a parent society membership to one presenter (drawn at random) for each session (three total sessions at this meeting). The names drawn were: David Thompson, Tarita Harju, and Bryan Baker. Members of the EXCOMM decided that if the individual drawn already had a membership for the year, the Chapter would pay their parent society dues for 2008. This was the original intent; however, David Thompson already paid his member dues for 2007 and actually donated his award to a student for 2007. John Aedo accepted the membership award in David's place.

Patrick also encouraged everyone to participate in the parent society and reiterated that everyone who wishes to vote on issues in the Business Meeting needs to be a member of both the Chapter and the parent society.

Approval of minutes from Jan 30th meeting (Trina Hedrick)

Meeting minutes from the Jan 30th meeting were included in the Lateral Line. Patrick asked for a motion to approve the minutes. Eriek made the motion; Eric Wagner seconded the motion. All voted in favor of accepting the minutes. No one voted against the motion.

Amendments to agenda (Patrick)

None

OLD BUSINESS

BAFS budgets/investments update (Trina Hedrick)

Treasurer's report for this past year is attached at end of this summary. Incoming dollars increased from the previous year, as did expenses. This is likely a result of the increase in member benefits provided by the Chapter (travel awards, etc.). Interest income nearly doubled from the previous year from \$540 to \$1040. Student seed money is normally \$200; however, they never received money from 2004 or 2005 so they were given \$600 in 2006.

Also, the Western Division AFS has started a fund that will be a little more risky than a term deposit, but will likely have greater returns over the long run. WDAFS has decided to also allow chapters to invest in this fund with the idea that only interest will be withdrawn. The principal amount (minimum of \$1000) must remain in the fund for a longer term. Interest disbursements to each chapter will be decided by the percentage of principal each chapter has in the fund. Trina recommended that the Chapter take \$1000 to \$2000 to start with from the money market (and not delve into the term deposits yet since they do bring more interest than the money market) to start investing in Western Division's funds. Paul Cowley mentioned that over their first year, the return was around 20%, but this will of course fluctuate with the stock market.

Eriek motioned to take \$2000 from the money market and invest it in the WDAFS investment fund. Gary Thiede asked whether someone would monitor these funds. Paul Cowley discussed the history of the fund, that WDAFS had a financial committee, and that someone would always be in charge of monitoring the investment. Roger Schneidervin said he thought it would be a good idea. Paul Cowley mentioned it was not necessary that we specify that the investment come from the money market, but rather that it would just come from the Chapter account. The motion passed with no opposition.

Student Subunit Report (Eriek Hansen)

The Student Subunit recently awarded a scholarship to an undergraduate interested in a fisheries career: Jacob Stoller. At this time, their account balance is \$1317.43, but they will certainly see money come in from the pint glass sales and the fish of flies raffle. Membership for the semester was 20 after losing some to fall graduation. They have about five undergraduates that attend events occasionally. On Friday (March 23rd), the subunit is hosting Brad Dimock, author of The Very Hard Way: Bert Loper and the Colorado River. In April, they will be assisting in the Salmon Fly Transplant project in April and the Bear River Festival in May.

Western Division Update (Eric Wagner)

Eric is currently the President Elect for the Western Division AFS. The annual meeting (in San Francisco) will be Sept 2nd – 6th. They currently have 60 symposia planned, with approximately 1600 talks. They are planning many concurrent sessions covering both marine and freshwater fisheries. The deadline is closed for abstract submission; however, registration is still ongoing. A number of the subsections plan to produce publications from the meeting. Eric mentioned that the bioengineering subsection was planning to produce a publication based on talks given at the meeting. Registration for the hotel is currently available online. The next AFS annual meeting will be in Ottawa, Canada, then Nashville in 2009, and Pittsburgh in 2010. WDAFS will be in Portland this year in May.

Recent WDAFS activities include: a DVD presenting information on the different strains of cutthroat trout across the western U.S. The DVD should be available soon for education. The bull trout committee has been active, though I didn't catch what they were doing. AFS is coming out with a new online journal (ETA is 2008) covering marine and estuarine issues. Access to this journal will be free. In the new standard names of fishes text, all common names will be capitalized so this will be different for the purposes of submitting publications. AFS has implemented a new fee structure that includes \$19 memberships for students, \$38 for young professionals (defined as a professional working within the first three years after graduation). AFS has published multiple resolutions in Fisheries recently; one regarding economic growth in opposition to fisheries and one regarding evolution. Eric mentioned that AFS is aware of the issues with the website and that the Maryland office is trying to work out the issues and get it fixed. Gus Rassam, AFS Executive Director, is in his last term. The AFS EXCOMM is trying to find ways to keep him with AFS.

The parent society has donated a great deal of money to fisheries students and professionals in Katrina-impacted states. Donations include money for membership, travel, and books (some of the money to transport these books actually came from BAFS). They have been giving up to \$30,000 per year to Katrina impacted chapters.

The National Fish Habitat Initiative, a relatively new initiative modeled after Ducks Unlimited, but oriented towards fish, is starting to pick up momentum. The Initiative has been set up to provide funding to on-the-grounds projects. Eric mentioned that we could potentially start benefiting from this funding and we therefore need to start identifying applicable projects within our various workgroups.

WDAFS is working with the parent society to increase percentage of earnings given to the sponsoring chapters. Right now, for hosting meetings, WDAFS receives 10% of the profits, the chapter another 10%, and the parent society would receive the remaining 80%. Many folks think that the Western Division and state chapters put in a great deal of time to these events and therefore deserve a greater cut of the profits. In 2011, the WDAFS will be hosting a national meeting and they may look to Utah to be the state host. It may actually be held in Mexico; however, this has yet to be finalized. A discussion of whether Utah should volunteer to host a national meeting ensued. Patrick mentioned that he was reluctant to volunteer folks for 2011 as the EXCOMM

would be entirely different and it may reduce the willingness of members to participate in the Chapter over the next few years. Roger suggested that it's something that every Chapter hosting the national meeting considers and that it shouldn't necessarily stop us. Someone mentioned that facilities could be an issue. AFS attendance tends to be around 3500. A few locations were talked about as potential meeting locations: Snowbird, etc. Phaedra mentioned that ESA has met in Utah multiple times and are a much larger society than AFS. Eriek suggested that we should discuss whether we as a chapter want to host a national meeting. Trina motioned to continue discussing the idea of hosting the national AFS meeting in 2011. Scott Tolentino seconded the motion. Though it will be a great deal of work, we would likely make a significant amount of money from the meeting. Paul Cowley mentioned that he did not think it was worth the effort for only 10% of the profits and hoped that WDAFS would continue to pursue getting the percentage increased. Eric mentioned that it would not just be the EXCOMM that would plan the meeting. For example, they have a planning committee of 80 individuals for the San Francisco meeting. We could also look to other chapters to help, especially ones that have hosted national meetings. Someone mentioned that there is an individual in WDAFS that helps with meeting coordination, including contacting facilities to set up the conference venue. Everyone was in favor of looking further into hosting a national meeting. A committee will be formed (if deemed necessary) after the decision between Utah or Mexico is finalized.

Committee reports



SNWA proposal – The Chapter sent a letter of concern about 8 months ago after last year's plenary session describing our concerns with the proposed action and its potential impacts to the fisheries of the west desert. The issues surrounding the project have become very complex, making a quick summary difficult to provide. At this point SNWA is in the process of working with resource agencies to come up with extensive monitoring plans and the agreement between UT and NV is still pending. This agreement must be complete before water withdrawals can occur.

Fish culture/health (Chris Wilson/Ric Hartman) – Chris talked about the proposed legislation for changes to the fish health board. Senator Peterson developed S.B. 195, which was crafted according to concerns from private fish culturists about regulation of private hatcheries. Chris and Patrick drafted a letter for Senator Peterson's review and Chris was able to work with the senator to remove the more problematic parts of the legislation. Specifically BAFS was concerned about the part of the legislation that would place more private culturists on the Fish Health Board. Senator Peterson was amenable to removing these problematic items from the proposed bill. Ric talked about construction at state hatcheries, i.e., Mantua. Whiterocks hatchery construction is nearing completion, Midway Hatchery construction has recently begun, and the Springville Hatchery renovations will begin after the Midway Hatchery work is finished. Ric mentioned the discovery of VHS (Viral Hemorrhagic Septicemia) and Quagga mussel in and/or near Utah. The committee is tracking these issues and will continue doing so into the next year.

Other committee reports (open) – Phaedra mentioned the need for volunteers to be on the environmental concerns committee. This is the committee that would write the letter to legislature regarding contaminants in our waters.

Call for nominations for committee chairs (Ben Nadolski) – We still need to fill most of our external committees. Only the fish health committee is functional right now. We are also supposed to have the following committees: legislative action, environmental concerns, native fish, and professionalism and continuing education committee (though the student subunit has essentially taken on this last committee). Ben asked anyone interested to see him after the meeting. Anyone in the running for an EXCOMM position who was not elected should consider this as an option.

(Continued on page 4)

President's Message

(Continued from page 1)

I would like to especially thank the USU student chapter for once again helping with the meeting. Without them, a successful meeting would be very difficult to pull off. And, although I was unable to attend the Continuing Education course, it was undoubtedly a success. By the way, our student chapter was recently nominated for an award from the parent society, and if the judges know their heads from their tails, the students should be bringing home a plaque back from San Francisco.

Speaking of plaques... it was an honor to recognize the recipients of the chapter awards for their dedication to their professions as well as their support of our chapter. We owe more than an award for people like Bob Cowdell whom have given so much back to the environment they are passionate about. Please take a chance to see the snapshots in this issue of each of the recipients, and give them a pat on the back if you see them fishing on the Weber.

It was a year many of us got exorcised about the lobbying and advocacy issue. And we did something about. We will continue with our mission as stewards to the fisheries we rely on and the environmental issues they face. The Southern Nevada Water Authority's proposal is not going away, and we will continue to monitor the situation and make sure our two cents are heard. Other issues in regards to fish health, nuisance species, and contaminants are likely to be around longer than most of us as well, and our chapter is obligated to deal with issues as they arise. Membership involvement in these concerns, as committee participants, is key to the continued surveillance.

It was a year when I issued a challenge to each of our members about their involvement with the Bonneville chapter. I posed a number of questions in regards to what you expect to receive for your \$5 membership. And from the response in our membership drive, I think the message was well received. A final kudos to all of you.

Finally, it was a year that I issued a challenge to myself. I hope that my interest in increasing our membership satisfaction with an aim at recruitment and retention has awakened each of us and gotten us started. I also hope that the EXCOMM's interest in giving back to our members and Chapter activism is starting to make a difference. Based on the activities in the last year, I believe stuff has started.

Each president wishes he or she could have done more. I am no exception. I appreciate the opportunity to serve as your president and the support that came from the members, the committees, the subunit, the EXCOMM, and especially Phaedra for setting the standard. I leave the chapter in the capable hands of incoming president Paul Cowley and the new incoming officers. I'm outta here! And hopefully I will see you all in Moab for our next chapter meeting.

.....Patrick Goddard

Business Meeting Summary

(Continued from page 3)

NEW BUSINESS

Special Projects Award (Patrick) – This award can be used for continuing education, special research projects, career development, etc. BAFS offers one award up to \$1000 per year to an individual or a project. The EXCOMM never receives many nominations for this award. This year, despite Patrick's best attempts to get more, there were still only two proposals. Kristi Meredith, who was not present at the meeting, is working on a Ph.D. and is doing research on Bonneville cutthroat trout. She wants to use the money in support of her project, purchasing equipment, etc. The other applicant was Aaron Webber who is an employee with Division of Wildlife Resources. He is supporting himself through graduate school and is asking for tuition assistance to finish his master's degree. Aaron plans to stick around Utah and hopes to benefit the fisheries here over the long run. Unfortunately, the Division is not able to pay for his tuition at this time. Eric Wagner expressed concern about setting a precedent for funding tuition with the special projects award. Patrick mentioned that BAFS might want to go to awarding a scholarship instead of, or in addition to, the special project awards. During last year's discussion over what could and should be funded with the award, the end results was that this award could be used for career development. Aaron mentioned that the RFP for the special projects award mentioned that tuition assistance was allowable. The EXCOMM could change this wording for next year if necessary. Scott Tolentino agreed with Eric Wagner and encouraged the EXCOMM to set up a competitive scholarship fund. He also mentioned that there are other avenues through the Western Division or the parent society for providing tuition assistance. Scott was unsure whether tuition assistance should be considered career development. Scott T. was on EXCOMM when they set up the special project award. The intent behind the award at that time was for special projects, not tuition assistance. Patrick mentioned that if we had more than just two proposals to choose from, our decision would be a lot easier and we likely wouldn't have to discuss what sorts of projects we'd like to fund.

Eriek motioned to support both projects at \$500 each. Paul Thompson seconded the motion. Chris Wilson altered the motion to add that a separate scholarship fund be set up in addition to the special projects award. Someone suggested we should be dealing with each proposal separately. Eriek withdrew

his original motion and motioned to accept Aaron's proposal at \$500. Mike Slater suggested that there are many inconsistencies within the Division and that a letter from BAFS to the Division pointing out some of these inconsistencies might be useful. Scott Tolentino, Don Wiley, Eric Wagner, Paul Cowley were opposed to the motion. All other votes were in favor of the motion. Motion passed.

Eriek motioned to also give Kristi Meredith a \$500 award for her proposal. Ron Brunson seconded the motion. Paul Cowley asked what should happen to the equipment when she's finished with her project, i.e., temp loggers, waders, etc. Someone mentioned that it would be used by her, but then passed on to someone else at USU. Phaedra confirmed that such items usually stay within the lab of the major professor. Paul recommended identifying on the equipment where the funding came from to purchase these items. Everyone was in favor of this motion except Don Wiley. Motion passed. Eriek motioned that we remove tuition from the special projects awards and add a \$1000 scholarship. Paul Burnett seconded. Scott Tolentino recommended that the EXCOMM have the discretion to either provide or not provide the special project and scholarship award each year. Vote on scholarship/tuition assistance: all in favor. Motion passed.

BAFS Lateral Line needs a new editor (Craig Walker)

The Lateral Line essentially acts a mouthpiece to all Chapter members and can be something of a liaison between the EXCOMM and the general membership. The LL is put together using Microsoft Publisher, converted to PDF, and then sent to the chapter as a PDF. Interested individuals should contact Craig after the meeting. The editor publishes three or four issues per year. This individual is responsible mainly for cutting and pasting and not responsible for writing any of the articles in the issue.

Bonneville AFS name/logo change (Patrick)

This issue came up in the last EXCOMM meeting. The name Bonneville AFS does not indicate that it's the Utah chapter and people from out of state may not know to look for the Utah chapter under 'B.' The suggestion was to somehow incorporate Utah into the name. Members were in agreement that the logo did not need to change; however, most agreed that incorporating Utah would be a good change. Someone suggested that renaming it the Utah Bonneville Chapter would be adequate. With this change, we would keep Bonne-

ville, but have the chapter name listed alphabetically under 'U' where most people would think to look for the Utah chapter. Because a change like this can only be done through a change in bylaws, we need 66% approval for the motion to pass. Roger S. suggested that Utah Bonneville might be confusing; people may think of this name like the Colorado-Wyoming chapter and wonder whom the Bonneville portion of the name refers to. Mike Slater motioned to change the official name to Utah Bonneville Chapter. Paul Thompson seconded the motion. Roger amended the motion to eliminating "Bonneville" all together and just having the Utah Chapter of AFS. Someone seconded the motion (*if you know who you are, please let us know!*). There were 23 votes in favor of the motion. Dave Speas, Mike Slater, Eriek Hansen, Melissa Trammell, Paul Thompson, Paul Burnett, Jim Whelan, Russ Findlay were against the motion. The motion passed with 74%.

Results from Elections (Ben Nadolski) – Results are: Gary Thiede elected as first year committee member; Aaron Webber as secretary-treasurer; and Mike Mills as vice-president. Awards for best poster: Kirk Dahle (\$400 travel to any AFS meeting); award for best presentation: Jeremiah Wood/Ben Nadolski (tie) (will each receive \$200).

2008 BAFS Annual Conference (Mike Slater) – For the last four years, the meeting has been held in the northern part of the state. Therefore, Mike proposed moving south to Moab. He has been looking into having it at the Red Cliff Lodge outside of Moab. The Wildlife Society has met there multiple times so facilities should be adequate for our purposes as well. Wendover is also currently an option as is Cedar City or St. George. Mike is thinking of holding the meeting March 24-26, 2008. Patrick thought that Moab might be an issue that late in the year due to the tourist season. We also need to avoid the USU spring break; however, there are still a few weeks left in March available or we could move the meeting to February.

Scott motioned to adjourn. Paul Cowley seconded. Adjourn @ 09:30.

Action Items:

Trina will mail AFS memberships for Tarita Harju, Bryan Baker, and John Aedo. *Tarita and John's have been sent. Bryan will fill in an application and send it to me soon.*

Trina will send \$2000 to the WDAFS financial committee chair for investing in the WDAFS's fund.

If an AFS meeting in Mexico falls through for 2011, the EXCOMM will request volunteers to be on a committee looking at the feasibility of the Utah Chapter hosting the meeting.

Trina will provide Aaron Webber and Kristi Meredith with their \$500 special project awards when they provide receipts showing their expenses. *Aaron has provided me with his tuition receipt and his award has been sent.*

Trina will provide Kirk Dahle, Jeremiah Wood, and Ben Nadolski with their travel awards when they return from an AFS meeting.

Someone will send a letter from BAFS to the Division of Wildlife pointing out the inconsistencies when dealing with continuing education for employees and asking for greater consistency with application of this policy.

TREASURER'S REPORT

2/1/2006 through 2/28/2007	Quarterly Budgets
BALANCE FORWARD 2/1/2006	BALANCE END 3/31/2006
Bal Fwd Checking 25.00	Bal end Checking 0.00
Bal Fwd Money Market 11,954.44	Bal end Money Market 12,414.23
Bal Fwd Term Deposits 15,056.31	Bal end Term Deposits 15,123.72
Bal Fwd Primary Savings 25.00	Bal end Primary Savings 25.00
<hr/>	<hr/>
TOTAL Balance Forward 27,035.75	TOTAL 27,562.95
INCOME	BALANCE END 6/30/2006
AFS 2006 Mtg income 6,822.12	Bal end Checking 0.00
AFS 2006 Raffle 1,293.00	Bal end Money Market 12,050.81
Interest Income 1,036.98	Bal end Term Deposits 15,323.34
<hr/>	Bal end Primary Savings 25.00
TOTAL INCOME 9,152.10	TOTAL 27,399.15
EXPENSES	BALANCE END 9/30/2006
AFS 2006 Mtg expense 6,939.89	Bal end Checking 0.00
AFS 2007 Mtg expense (to date) 78.96	Bal end Money Market 11,158.87
Awards 1,574.00	Bal end Term Deposits 15,527.85
Cont ED 0.00	Bal end Primary Savings 25.00
Excom Mtg Food 105.38	<hr/>
Business-Travel Expense 1,766.55	TOTAL Balance end 26,711.72
Student Subunit 600.00	BALANCE END 12/31/2006
Other (Disaster Relief) 229.50	Bal end Checking 0.00
<hr/>	Bal end Money Market 9,036.74
TOTAL EXPENSES 11,294.39	Bal end Term Deposits 15,735.09
BALANCE END 2/28/2007	Bal end Primary Savings 25.00
Bal end Checking 0.00	<hr/>
Bal end Money Market 8,529.71	TOTAL Balance end 24,796.83
Bal end Primary Savings 25.00	
Bal end Term Deposits 15,869.43	
<hr/>	
TOTAL Balance end 24,424.14	
<hr/>	
OVERALL TOTAL 24,424.14	

Snapshots from the 2007 Chapter Meeting



Bob Cowdell receives Lifetime Achievement award from Past-President Phaedra Budy



Eriek Hanson is congratulated by Phaedra Budy for being the 2007 Graduate Research Assistant of the year in the College of Natural Resources at USU



Leisa Monroe graciously accepts Leaky Boot award from Roger Schneidervin

Congratulations to the 2007 Bonneville Chapter Award Recipients !!!!!

Award of Merit

Rob Bundy
Manager, Bear Lake National Wildlife Refuge

Unfortunately Rob could not be present.

This year this award was very special as it demonstrates the more holistic approach towards fisheries management that the BAFS has been trying to move towards. This year the Award of Merit went to a refuge manager, not a fisheries biologist, and a refuge manager from Idaho, not Utah. Rob has been a keystone in applying for and receiving several grants that after implementation have greatly improved spawning access on St. Charles Creek for Bonneville Cutthroat Trout. A major project was undertaken to construct a dike along the northern boundary of the Big Fork of St.

Charles Creek where it flows through the BLNWR and effectively prevents loss of adult fish through the refuge to the Bear River system when they ascended St. Charles Creek to spawn. Rob almost single handedly applied for and completed the project as scheduled over a year ago. There were many challenges associated with the dike initially, yet Rob continued to work tirelessly. He obtained landowner cooperation as well as additional funding to reconstruct an important irrigation diversion structure on this same stream so it would be more "fish friendly", secured funding for screening this diversion as well as additional diversions on St. Charles Creek. Last spring BCT were trapped at the mouth of the Big Fork and documented using this stream for spawning. Rob Bundy has so unselfishly provided for the conservation and recovery of BCT in the two state area of Utah and Idaho. For all these efforts and accomplishments, BAFS awarded Rob Bundy the Bonneville Chapter Award of Merit for 2007.

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Lifetime Achievement Award

Robert Cowdell

Utah Division of Wildlife Resources

The BAFS recognized Bob Cowdell for his many years of service to the fisheries in the state of Utah. His long career of over 40 years includes both working for the Utah Division of Wildlife Resources (UDWR) and also for the private sector doing fish habitat consultation. Some of Bob's career efforts included: 1) working for the UDWR as a Wildlife Technician at Midway Hatchery, at the Fisheries Experiment Station and serving in the position of Hatchery Superintendent at the Mammoth Creek Hatchery, 2) working as a consultant for Eco-systems Research on various aquatic habitat projects, 3) working for the UDWR in habitat and helping to conduct stream restoration projects—several projects worth mentioning are the restoration work completed on the Corn Creek, Logan and Ogden rivers and the East Fork of the Sevier River, and 4) working for the UDWR as the Aquatics Habitat Coordinator, the position from which Bob retired. As Aquatics Habitat Coordinator, Bob was very successful in accomplishing tasks that benefited the fishery profession and anglers in the state of Utah.

His efforts to insure the integrity in planning and spending federal aid Motor Boat Access funds resulted in quality boat ramps, boat parking areas, docks, comfort stations, and fish cleaning stations in almost all of the major angling reservoirs in Utah. He was also instrumental in assisting the regional UDWR biologists in maintaining fishery conservation pools and dam structures in 32 reservoirs statewide; and in stabilizing 38 lakes statewide, which now support better fisheries because annual water fluctuation has been minimized. The key to Bob's outstanding success on maintaining conservation pools, UDWR dams, and lake stabilization, was his ability to develop working relationships with other governmental agencies, such as Utah Water Resources and the US Forest Service, which created a positive environment to develop cooperative funding and joint contracts. Over the last several years Bob also took a lead role in assisting the UDWR Aquatics staff in prioritizing both Habitat Council projects and Blue Ribbon Fisheries Advisory Council projects. Once these priority projects were approved, Bob was instrumental in helping UDWR regional people in completing these projects by tracking the funds and helping complete field contracts. These major accomplishments, along with others in his professional career, earned Bob the respect of his fishery peers. The BAFS recognized Bob Cowdell for this life-time of achievements with a Lifetime Achievement Award.

Both award recipients received a certificate, engraved stainless steel thermos and cup sets, and a complimentary BAFS T-shirt.

Best Student Oral Presentation

Ben Nadolski and **Jeremiah Woods** tied for best Student Paper and split the award for \$200 each.

Special Project Awards

Kristi Meredith received \$500 for her special project on Bonneville cutthroat trout

Aaron Webber received \$500 for tuition

.....Phaedra Budy

Best Poster Presentation (\$500) - Kirk Dahle

See selected pictures on pages 6 and 11

New Bonneville Chapter Officers 2007-2008

Michael Mills — Vice-President
Gary Thiede — 1st Year Committee Chair
Aaron Webber—Secretary/Treasurer

At the 2007 Bonneville Chapter Annual Meeting in Logan, elections were held for three Bonneville Chapter Executive Committee positions, including Vice-President, First-Year Committee Member, and Secretary Treasurer. As a result, Michael Mills will be your new Vice-President. Michael received his Master's degree from Brigham Young University where he studied the effects of nonnative mosquito fish on native fish species. Currently, Michael is a Native Aquatic Biologist for the Utah Division of Wildlife Resources where he oversees all aspects of the native aquatics program in Springville. Michael manages numerous species including spotted frog, boreal toad, leatherside chub, least chub, and June sucker. Michael looks forward to the opportunity to "help the Bonneville Chapter continue its forward progress in strengthening the fisheries profession and conserving aquatic resources in Utah." As Vice-President, Michael will organize the raffle at the Chapter's annual meeting, serve as the liason between the Chapter's external committees and the Executive Committee, and also serve as the President-Elect in the event of his/her absence. After his first year of service, Michael will transition into the President-Elect position, where he will be primarily responsible for organizing the Chapter's annual meeting, and will also serve as President in the event of his/her absence.

After Michael's second year, he will serve as Chapter President where he will oversee all Chapter business.

Gary Thiede will serve as your new First-Year Committee Member. Gary received his Master's degree from Utah State University where he studied the impacts of lake trout predation on prey populations in Lake Tahoe. Currently, Gary is a Fisheries Research Associate where he manages the Fish Ecology Lab in the Department of Watershed Sciences at Utah State University. As First-Year Committee Member, Gary will be primarily responsible for Chapter bylaws and resolutions. After his first year of service, Gary will serve as Second-Year Committee Member where he will oversee officer elections. Gary hopes to "bring a conservation-minded, proactive attitude and voice to the Bonneville AFS Executive Committee, and advocate chapter involvement in issues important to fish, water, and Utah."

Aaron Webber will serve as your new Secretary-Treasurer. Aaron received his Bachelor's Degree from Utah State University in 2005, and is currently working towards his Master's Degree, also at Utah State University. Currently, Aaron is a Native Aquatic Biologist for the

(Continued on page 8)

NEW OFFICERS

(Continued from page 7)

Utah Division of Wildlife Resources in Ogden where he oversees management actions for bluehead sucker, leatherside chub, least chub, and spotted frog. Aaron hopes to use his "strong work ethic to advance and promote the Bonneville Chapter."

These individuals' appointments will officially begin in August. On behalf of the Bonneville Chapter Executive Committee, we would like

to thank these individuals for volunteering to lead the Bonneville Chapter into the future. Also, we would like to thank those individuals that ran for office and were not elected. We encourage you to run for office in the future as the Chapter and its membership are in need of additional hard working, dedicated individuals like yourselves.

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

Highlights from the Plenary Session

The Plenary Session addressed the issues and concerns regarding Mercury in the environment in Utah. Guest speakers from USGS, UDEQ, UDWR and the Fishing Public presented information and then answered questions from the audience.

From David Naftz, USGS

The Great Salt Lake has greater than 85 million bird-use days, 30 percent of world's population of Wilson's phalarope, 0.5 to 1.5 million Eared Grebes and greater than 7,000 metric tons of brine shrimp cysts harvested in 2002. It's a closed basin with a high potential for mercury methylation, a large surface area to depth ratio, extensive wetlands. Sources of mercury include ore refineries. Some of the largest in the western US are operating in north central Nevada. In 2003 close to 2,000 kg were released from Nevada Metal Mining (point source-stack). This is down from the close to 6,000 kg released in 1998. Methylmercury exposure effects bird reproductive systems (0.5-5.5 ug/g), behavior (0.1-0.3 ug/g), and physiology (0.5ug/g).



From John Whitehead, UDEQ

Two basic forms (elemental Mercury (inorganic) and Methylmercury (organic)). Methylmercury is more toxic and easily absorbed if digested. It does bioaccumulate in fish and waterfowl tissue. Sensitive groups in the human population include pregnant women, infants and young children. Chronic effects include: Birth defects, Visual problems, convulsions, cerebral palsy, mood and mental disorders, nervous system damage, memory loss, allergies, gum deterioration, hallucinations and skin irritation. Human caused mercury emissions come from medical waste incinerators (10%), municipal incinerators (19%), coal-fired power plants (33%), industrial boilers (18%), and smelting, equipment manufacturing (12%) and other. Emissions by continents are Asia (53%), Africa (18%), Europe (11%), North America 9%, Australia (6%), and South America (4%). In 2005 fish consumption advisories were issued for: Gunlock Reservoir (largemouth bass), Mill Creek near Moab (brown trout), and

Green River - Desolation Canyon (channel catfish). Other areas of concern from the (2005-2006 data) include Porcupine Reservoir, the Weber River, and Joes Valley Reservoir (Table 1).

A state wide mercury group has been formed to investigate the problems and concerns. The group is made up of 19 members representing, fishing & waterfowl groups, environmental advocacy groups, state, federal, & local agencies, the Utah medical association, and tribal interests and provides a forum for information sharing and input on mercury issues. For further information see: <http://www.epa.gov/mercury/advisories.htm>

From Clay Perschon, UDWR

A short history: 2003 USGS finds Hg levels in GSL water, among highest ever measured this is 25 times higher than levels in Florida. In 2005 USGS finds elevated Hg in brine shrimp, grebe livers from Great Salt Lake (GSL) and Utah becomes 47th state to issue Hg health advisory for eating fish. Also in 2005 Utah waterfowl hunters request and DWR agrees to analysis of waterfowl tissue from GSL. Potential GSL

sources of mercury include: Natural Geothermic/Volcanic, historic mining practices, coal fired power plants, ore roasters (Nevada) and global Hg production (China). Impacts on adult birds include: decreased nesting effort, increased nest abandonment, decreased survival rates, and direct mortality. In young birds teratogenic/mutagenic problems including no eyes, brain outside skull, malformed appendages and decreased growth rates. In 2006 health advisory were issued for common goldeneye, northern shoveler, and the cinnamon teal. Investigations continue.

From Paul Dremman, General fishing public

Paul talked and encouraged greater cooperation between sports men and the agencies in sample collection and information dissemination.

.....Paul Cowley
(Continued on page 10)

BONNEVILLE 2007 ANNUAL MEETING A SUCCESS

Thanks is expressed for the effort put into the annual meeting held this year in Logan. Some quick facts from the meeting include:

Registration:	
Students (BYU & USU)	21
Professions	80
Guest Speakers	4
Total Attendance	105

The meeting was a great success with over 29 papers being presented, two workshops provided and an excellent plenary session on mercury contamination. Special thanks are given

to our plenary speakers: David Naftz, John Whitehead, Clay Perschon, and Paul Dremann. I would also like to thank our plenary session moderator, Walt Donaldson for his outstanding efforts! We would also like to thank the Division of Wildlife Resources, the Forest Service, Bureau of Reclamation, National Parks Service, Utah State University, Brigham Young University, and BioWest for supporting their staff in attendance of the meeting. A special thanks to the Student Chapter for their efforts in helping put



Paul Thompson enjoys banquet and raffle

together a good agenda and their help at the annual meeting. The Chapter was able to net just over \$3,500 that will help with the annual expenses.

.....Paul Cowley

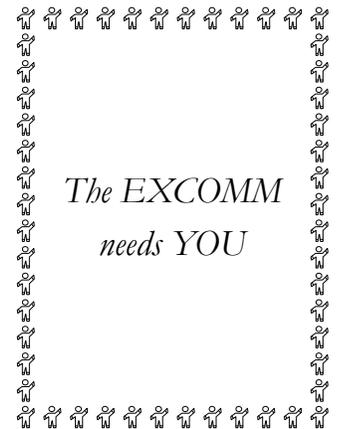
EXTERNAL COMMITTEES

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, profession-

alism and continuing education, fish culture and health, and environmental concerns. The Bonneville Chapter Executive Committee would like to thank Rick Hartman for his exceptional service as the Chair of the Fish Culture and Health Committee. We would also 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 Ex-

ecutive 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 me directly. My contact information can be found at the back of this newsletter. Thank you

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



The EXCOMM
needs YOU

ROGER SCHNEIDERVIN CONDUCTS ANOTHER RAFFLE

Roger Schneidervin has conducted our annual raffles for years with style and wit and fairness (although he did go home with an awful lot of loot). Thanks to Roger for keeping us entertained while passing out the goodies. We love you, man!



Roger Schneidervin conducts another raffle with style and aplomb



A new Float Tube!

Highlights from the Plenary Session

(Continued from page 8)

Table 1. Locations of Mercury Fish consumption advisories in Utah

County	Site	Mean	Fish Species
Cache	Porcupine Reservoir Near Dam	0.35	Brown Trout
Duchesne	Red CK 1mi above Strawberry River	0.35	Brown Trout
Duchesne	Rock CK bl Bridge @ Miners Gulch Campground	0.38	Brown Trout
Emery	Joes Valley Res North Arm	0.82	Splake Trout
Garfield	Calf CK above Campground	0.47	Brown Trout
Garfield	Panguitch Lake Shore Lakeview	0.32	Rainbow Trout
Garfield	Pine CK bl the Box @ USGS Station	0.39	Brown Trout
Garfield	Sand CK 2 mi above Escalante River	0.39	Brown Trout
Garfield	Wide Hollow Reservoir NW Shore	0.32	Bluegill
Iron	Newcastle Reservoir Above Dam 01	0.48	Rainbow Trout
Morgan	Weber R below Morgan Lagoons	0.44	Brown Trout
Wasatch	Jordanelle Reservoir West of Boat Ramp	0.56	Brown Trout
Wasatch	Jordanelle Reservoir West of Boat Ramp	0.31	Yellow Perch
Washington	Upper Enterprise Reservoir Above Dam	0.65	Rainbow Trout
Weber	Weber River below US-191	0.33	Brown Trout



Among questions asked by the audience was one about the effects of Mercury on fish, about which little is known.

A recent issue of *Ambio* (February 2007; www.BioOne.org) comprised five synthesis papers prepared by a panel of scientists from findings reported at the Eighth International Conference on Mercury as a Global Pollutant (2006). Among those reports only one discussed the effects of mercury on fish; summarized here.

Compared with humans and mammalian and avian wildlife, relatively little is known of the toxicological significance to fish of environmentally realistic exposures to methylmercury (MeHg). Overt effects of fish growth and survival occur only at high tissue

concentrations (6-20 mg kg⁻¹ wet weight in muscle). However, several laboratory studies demonstrated MeHg impairment of fish behavior, gonadal development, production of sex hormones, and reproduction at concentrations more typical of those in fish from flooded, low alkalinity, or other Hg-sensitive habitats. These effects were observed in fathead minnows, walleye, northern pike, and white sturgeon at levels of less than 1 mg kg⁻¹. Thus, based on laboratory studies that examined the effects of dietary MeHg in fish, combined with data on concentrations of MeHg in free-living fish, it is plausible that MeHg at environmentally relevant concentrations may affect reproduction in wild populations of fish (Scheuhammer et al. 2007).

.....Melissa Trammell



2008 Meeting Plans

After four consecutive years of excellent meetings in the “great white north,” the 2008 meetings will be in beautiful Moab, Utah. The meetings are scheduled for February 25-27, 2008 at the Red Cliffs Lodge on the shores of the Colorado River, approximately 14 miles up river from downtown Moab. This is a great setting for another excellent meeting for us all to enjoy and participate in. So mark

your calendars for **Monday-Wednesday, February 25-27, 2008**, and plan on enjoying some of Moab’s famous spring time sun. Please read the upcoming Lateral Line Issues for more information on how you can participate and attend next year’s meeting. You can get more information on our 2008 location by visiting Red Cliffs Lodge web site at: <http://www.redcliffslodge.com/>. See you in Moab!

.....Mike Slater

MORE MEETING SNAPSHOTS



Leisa Monroe shares the Leaky Boot with her partner in crime, Tyler.

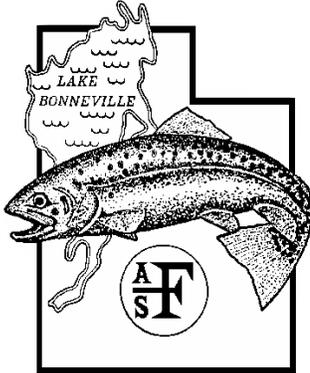


Welcome your new First year Committee member, Gary Thiede! (left)



Dave Speas celebrates winning a Sage fly rod donated by Paul Holden (celebration was short because he has to share with his wife)

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At the 2007 annual meeting Craig Walker decided to relinquish his post as editor of the Lateral Line. Many thanks to Craig for his four long years of service!

I volunteered to take it on (must have been something in the water), so I'll be begging for photos and articles for future editions. Feel free to send ideas or better yet, completed articles, to me at the above email address. Remember, two LLs in my last name, NOT like the net!

.....Melissa Trammell

**Bonneville
 Chapter AFS Home
 Page Address**

**www.fisheries.org
 /bonneville**



First Fish caught with fly rod donated by Paul Holden

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