



# *The Angler*

*Newsletter of the Colorado-Wyoming Chapter of the American Fisheries Society*

[www.fisheries.org/co-wy/](http://www.fisheries.org/co-wy/)

*Volume 28, Number 1, January, 2005*

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## **The Vent Anita Martinez**

Happy 2005 to ALL!!! I hope everyone had a wonderful holiday season and that the New Year finds you happy and healthy.

Our annual meeting is fast approaching, and we anticipate a great turnout. Of special interest this year is a session dedicated to bringing aquaculturists and biologists together in an informal setting. In recent years there has developed a separation of these two professional groups. The Western Division AFS and our own members have often expressed concern over this trend. In an attempt to bring all aquatic professionals together our annual meeting will host a session that addresses interests common to both culturists and biologists. Attendees will determine discussion topics. AV equipment will be available for anyone who would like to show off new innovations or give short informal presentations. Of course contributed papers and posters are encouraged for individuals who would like to present their work in the more formal setting of the contributed paper sessions.

Other events include a welcoming social the evening of March 7<sup>th</sup> at 6:00pm. Our business breakfast and evening banquet/raffle will both take place on March 9<sup>th</sup>. Drs. Paul Doherty and Gary White of CSU will teach a Continuing Education course on March 10<sup>th</sup>. This half-day class will

address the collection of routine and trend fish data with statistical validity.

A fun and fulfilling aspect of our annual meetings is the recognition of our peers for significant long-term contributions (Award of Excellence), extraordinary short-term contributions (MAX Award) and acts of extreme or outrageous behavior in the year preceding the annual meeting (Leaky Boot Award). Please take a moment to nominate one of your co-workers, mentors, friends, supervisors, students or professors for one or more of these prestigious awards. Kathy Foster [kfoster02@fs.fed.us](mailto:kfoster02@fs.fed.us) can answer questions concerning nominations.

A job board will be available at the annual meeting for anyone who wishes to post openings or for those seeking employment. It will be available throughout the meeting so please plan on posting job descriptions.

The meeting registration form and instructions for submitting papers and posters can be found in this issue of the Angler or on-line at [www.fisheries.org/co-wy](http://www.fisheries.org/co-wy).

Finally, I would like to thank all the folks involved with our chapter throughout the year and those who are working hard to provide the membership with an informative, professional, and productive meeting!



## **Annual Meeting – Second Announcement**

### **Colorado/Wyoming Chapter of the American Fisheries Society March 7-10, 2005 Fort Collins, Colorado**

The Colorado/Wyoming Chapter of the American Fisheries Society is holding its annual meeting at the University Park Holiday Inn in Fort Collins, Colorado on March 7-10<sup>th</sup>, 2005. Reservations can be made by calling the hotel at (970) 482-2626. When making reservations tell the reservation clerk that the block name is CO/WY AFS and our group code is GWF. A block of 50 rooms has been reserved at costs of \$74.00/night single and \$84.00/night double. These rates are guaranteed through January 24<sup>th</sup>, 2005. **The early registration deadline for the meeting and continuing education has been extended to February 4.** Help us get an early head count by registering early!!!!

## **Final Call for Papers and Posters**

This is the Final Call for Papers and Posters for the CO/WY AFS annual meeting in Fort Collins, Colorado. Please generate ideas for papers and posters, and present at this year's meeting. The meeting has no theme, thus any and all papers are encouraged. Abstracts should be submitted in Word format adhering to the following example:

CENTERED PAPER TITLE IN 12 POINT TIMES NEW  
ROMAN FONT  
Mark Smith  
Wyoming Game & Fish Department  
2820 Highway 120  
Cody WY, 82414

The summary abstract should be <350 words and contain a statement of the scope of work, study objectives, primary findings and their significance. For papers with multiple authors, the abstract should identify the presenter. Please submit abstracts in Times New Roman 12 font.

**Deadline for submissions is February 23<sup>rd</sup>.**  
Please submit a title and abstract –in electronic-format (preferred) to:  
[Mark.Smith@wgf.state.wy.us](mailto:Mark.Smith@wgf.state.wy.us)

Or mail to:  
Mark Smith  
Wyoming Game & Fish Dept.  
2820 Highway 120  
Cody, WY 82414

## **Best Paper and Poster Judges Needed!**

We are looking for volunteers to help judge presentations and posters at the 2005 CO-WY AFS meeting in Fort Collins.

This year, awards will be given to four categories; best student presentation, best student poster, best professional presentation, and best professional poster. Judging will be the responsibility of the professionals at the meeting (no student judges will be allowed) and we would like to have a minimum of 2 judges per paper or poster. Therefore, we are going to need a great deal of help from people like you. The more volunteers we get, the less work it will be for those involved.

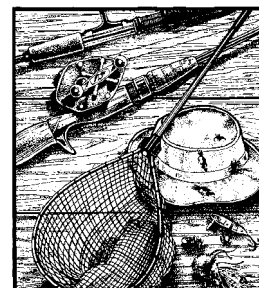
If you are interested in helping out with the judging, please contact Kevin Gelwicks (phone 307-745-5180 ext. 236, [kevin.gelwicks@wgf.state.wy.us](mailto:kevin.gelwicks@wgf.state.wy.us)).

## **Conceptual and practical issues in monitoring animals**

### **Continuing Education March 10, 2005**

**Paul F. Doherty, Jr. and Gary C. White**  
**Dept. of Fishery and Wildlife Biology, Colorado**  
**State University, Fort Collins, CO**

Monitoring activities continue to increase with many monitoring plans being developed. We will give a current review and appraisal of these activities. We will focus on philosophical approaches to monitoring, as well as design issues – with an emphasis on discussing novel developments in probability-based sampling methodology and methodologies to account for detection error. We will detail these developments with a goal of conceptual understanding. We will close with a discussion of educational opportunities to further explore these developments



## Two Vie for Chapter Secretary-Treasurer Position

Please return the enclosed ballot with your selection to Lori Martin by February 23<sup>rd</sup>

### Mark Smith



Most of the world's population lives in close proximity to a river, lake or ocean. I grew up next to an irrigation ditch in Northern Utah. Being a self proclaimed "fish rescuer", I rode my bike along drying ditches looking for fish wallowing in the disappearing water.

Fish rescuing was my initiation into the world of fisheries. In 1998, I graduated from Utah State University with a B.S. in Fisheries and Wildlife Management and I completed a M.S. in Zoology and Physiology from the University of Wyoming in 2003. During my college years, I was employed by the UDWR, USFS, and USU Co-op Unit. I worked on projects related to Bonneville and Colorado River Cutthroat conservation, whirling disease, June Sucker culture, Boreal Toads, and a host of projects aimed at improving sport-fishing conditions.

Since my escape from the academic world, I have been employed as a regional fisheries biologist for the Wyoming Game and Fish Department in Cody.

I have been involved with AFS since 1996, participating in the USU Student Chapter, Bonneville Chapter, UW student sub-unit and our chapter. I was the V. President and President of the UW Student sub-unit, assistant-editor for "The Angler", and currently co-chair the program committee.

I believe the AFS and our chapter have much to offer the membership and the resources we steward. The AFS enables us to look beyond the borders of our region and states and develop a better understanding of how our work fits within a much larger ecological framework. We might not identify ourselves as "fish rescuers" but we all work towards common goals. I believe having a cohesive, financially stable AFS chapter results in long-term benefits for the membership and resources we all care about.

Thanks for your consideration.

### Matt Kondratieff



I grew up in a rural area of northern California a quarter mile from a 3,700-acre nature preserve operated by the California Academy of Sciences. My interest in fish and wildlife was sparked by time I spent on the preserve, exploring grassy, oak-covered hills, poking around vernal pools, and roaming through redwood-choked canyons. My specific interest in fisheries began after assisting a graduate student with his fish monitoring project in Suisun Marsh, CA. I received a B.S. in 1996 from U.C. Davis in wildlife, fisheries, and conservation biology with an emphasis in fisheries biology. After graduation, I worked on a fish treadmill project designed to investigate the effectiveness of various fish diversion screens on threatened and endangered fish species found in the CA Bay-Delta region. I then moved to Colorado to begin work on a MS project investigating the question of how high brook trout can jump through direct experimentation. I graduated with my M.S. in 2003 from CSU under the guidance of Dr. Chris Myrick. Since that time, I worked as a fisheries technician for the Colorado Division of Wildlife and I am currently a fisheries biologist for the Wyoming Game & Fish Department in Pinedale, WY. My primary responsibilities are centered on native cutthroat trout restoration, managing sport fisheries in impoundments and lakes and managing headwater streams.

I have been a member of AFS since 1995. My first introduction to AFS was while attending UC Davis as an undergraduate. I was invited to serve as community outreach chairperson for the student chapter in 1995. My interest in fisheries biology was fueled through my involvement in the AFS student group, including attending my first Cal-Neva Chapter meeting. In 1996, I served as vice-president of the student chapter. My involvement with AFS continued when I became a graduate student at CSU, where I served as the student chapter president in 2001. As an undergraduate, I had the opportunity to assist with a study on leopard shark movement rates. I presented

*(Kondratieff Biography continued on Page 4)*

(Kondratieff Biography continued ...)

results from this study at the 34<sup>th</sup> Annual Cal-Neva AFS meeting in Ventura, CA. I presented my graduate research to the CSU student AFS chapter in fall of 2002, the International Congress on the Biology of Fishes in Vancouver, British Columbia, Canada in 2002, the CO-WY AFS chapter meeting in Grand Junction, CO in 2003, and the recent Western Division AFS meeting held in Salt Lake City, UT in 2004. I was honored to be the first recipient of the CO-WY AFS student scholarship in 2002. Also in 2002, I was co-winner, along with Julian Olden, of the CSU AFS student chapter award for outstanding service.

Since joining the Wyoming Game & Fish Department, my involvement with the CO-WY Chapter has continued. This past year, I served as committee chairperson for the procedures manual update. Updating the procedures manual helped me to become familiar with various roles and functions of the membership serving within the CO-WY AFS chapter.

As a candidate for this position, some of my desires are to encourage student involvement from both Colorado and Wyoming student chapters, refine and implement our newly updated procedures manual in order to make it as useful as possible, and continue the standard of excellence already achieved by our CO-WY AFS chapter.

Thank you for considering me for the Secretary-Treasurer Office.

**Deadline Extended:** The early registration deadline for the annual meeting has been extended to February 4, 2005

## Award Nominees Still Needed

Kathy Foster is still taking nominations for Chapter Award recipients. The award categories include:

**Award of Excellence** – for significant advancement of the profession

**“MAX” Award of Merit** – for a job well done

**Leaky Boot Award** – for a job not-so-well done

Specific criteria and nomination information can be found at the Chapter’s website [http://www.fisheries.org/co-wy/awards\\_explanation1102foster.htm](http://www.fisheries.org/co-wy/awards_explanation1102foster.htm)

Nominations must be submitted by February 18, 2005 to Kathy at [kfoster02@fs.fed.us](mailto:kfoster02@fs.fed.us) or call Kathy at (970) 870-2219 for more information.

## A Guide for Presenters at the Chapter Meeting

If you’re planning to present a paper at the Annual Meeting, here are some guidelines to make things go smoothly:

### Check List for Presenting a Paper

- Submit abstract (<350 words) prior to February 23<sup>rd</sup>.
- Create a presentation that will fill the 20 minutes allotted, allowing 3-5 minutes for introduction and questions.
- Bring your presentations to the 2005 chapter meeting on CD (CDR) in Microsoft PowerPoint compatible format. A slide projector may be available, but no other media will be allowed.
- Download your talk to the meeting lap-top at registration. Please try to load your presentation the night before or during a break well in advance of your scheduled time to speak. **DO NOT** wait until you’re scheduled session to load your presentation. *Presenters with access to the Wyoming Game and Fish network are requested to electronically deliver talks prior to the meeting by contacting Craig Amadio. However, it’s advised that you bring a backup copy to the meeting, just in case.*
- Contact the session moderator as soon as possible when you arrive at the meeting.
- Present your paper. Relax, giving a presentation isn’t as hard as you think. Just remember, nobody knows as much about your presentation as you!

### Check List for Presenting a Poster

- Submit abstract (<350 words) prior to February 23<sup>rd</sup>.
- Create an easily readable poster.
- Bring your poster to the meeting. Locations for posters and directions for hanging will be provided at registration.
- Stand near your poster during dedicated poster breaks to answer questions.

## Chapter ExCom Meeting Highlights Fort Collins, Colorado December 2, 2004

*Editor's note: Due to limited space, the ExCom meeting minutes are only highlighted here. The full minutes can be found on the Chapter website.*

Attendees: Dave Zafft (Past President), Mark Smith (2005 Annual Meeting-Program Co-Chair), Hilda Sexauer (Vice-President), Anita Martinez (President), Rosemary Black (2005 Annual Meeting-Arrangements Co-Chair), James Dominguez (CO Membership Committee Co-Chair), Greg Anderson (WY Membership Committee Co-Chair), Boyd Wright (CSU Student Subunit President), Mario Sullivan (CSU Student Subunit), Kendall Ross (CSU Student Subunit), Mike Bower (UW Student Subunit President), Scott Gangl (Angler Newsletter Editor), Brett Johnson (Continuing Education Committee Chair), and Lori Martin (Secretary-Treasurer)

Anita Martinez called the meeting to order, and the Sept. 2004 ExCom Meeting minutes were approved.

Greg Anderson provided information to the ExCom regarding the professional display board that he would like the Chapter to purchase for \$2,000.

Dave Zafft provided background information regarding "Bylaws," "Rules," and "Procedures" in relation to funding procedures. In terms of Endowments Funding, the Procedures are formal and were adopted in 2002. Such Procedures are temporarily in place until February 2007, or until the CSU Endowment Fund is fully endowed at \$20,000. Discussion followed regarding what should be included within the new Endowment Funding Bylaw, such as where the funding for the endowments would come from, and what portion of the endowment would be funded annually. The new Endowment Funding Bylaw would be voted on at the annual business meeting.

Dave Zafft discussed the Grant Funding Procedures, and indicated that currently, there is discretionary funding within the Bylaws to fund up to \$2,000 for grant applications. The \$2,000 funds are considered seed money, with the expectation that should these funds be granted, repayment is expected. Further discussion revolved around the Chapter's process once grant requests are received, and review and editing of the current Bylaw.

Anita Martinez indicated that the Continuing Education Committee does not currently have funding available to bring in speakers. Continuing Education should target professionals, and be worthy of topics that would provide interest and learning opportunities for the Chapter

membership. The Continuing Education Committee is hindered from providing such opportunities without a funding mechanism. Dave Zafft indicated that within the Bylaws, money is available to assist with Continuing Education.

Boyd Wright (CSU Student Subunit President) and Mike Bower (UW Student Subunit President) presented subunit updates. Both subunits will receive \$100 from the Chapter to assist with annual meeting travel expenses. Additionally, the CSU subunit will receive \$250 from the Chapter to match subunit funds raised for the Louis Swift Scholarship.

The 2005 Annual Meeting was discussed in detail. Members of the Arrangements, Registration, Program, and Continuing Education Committees were present. A special session on aquaculture will occur the morning of March 9<sup>th</sup>, following the business meeting. The half-day Continuing Education Workshop, "Principles of Sample Design and Population Monitoring" will be taught by Drs. Gary White and Paul Doherty of CSU. Each professor will receive an honorarium of \$250 from the Chapter for their efforts. Discussion also focused on annual meeting support, best student paper/poster judging, awards, the raffle, the business meeting agenda, and fundraising.

Discussion occurred regarding reviewing and revising the Procedures Manual. Revision comments should be received by the beginning of 2005. A majority vote of the ExCom will be required for approval.

Discussion followed regarding a potential illicit fish introduction policy that the Environmental Policy Committee is pursuing. Chapter rules on advocacy, policy statement development, and options for change were discussed.

Hilda Sexauer reported that she will continue with the transition to tie the Chapter's website into the Western Division's website.

Standing committee reports were given for the Newsletter and Membership Committees, as well as the Chapter Archivist. James Dominguez was introduced as Colorado's new representative on the Membership Committee.



## Checking and Savings Account Information

### As of December 30, 2004

US Bank-Checking Account Balance	= \$9,615.64
US Bank-Savings Account Balance	= \$26,022.11
US Bank-Total Account Balance	= \$35,637.75

### US Bank-Checking Account Balance

#### Starting Balance (as of 12/01/04) \$10,421.15

Description	Expenses
New Mexico travel expenses-	
A. Martinez 12/1/2004	\$708.24
Excom lunch 12/2/2004	\$97.27
<b>Ending Balance (as of 12/30/04)</b>	<b>\$9,615.64</b> <b>(-\$6.88 outstanding)</b>

### US Bank-Savings Account Balance

#### Starting Balance (as of 12/01/04) \$26,017.98

Description	Credits
December interest 12/24/2004	\$4.13
<b>Ending Balance (as of 12/30/04)</b>	<b>\$26,022.11</b>

The Chapter will need to file income taxes this year. Lori Martin will check with tax preparers to determine costs for preparation.

**Beer is nice...**but the Monday evening social holds a much higher purpose than simple imbibing. The Welcome Social on Monday evening is for networking with other professionals, generating contacts in the profession, meeting old friends and making new ones, mentoring and being mentored. For students the social is a perfect opportunity to talk to professionals in their chosen field, and for professionals it's a great way to freshen your mind with the thoughts and ideas of others. Be sure to make plans to attend the Monday social and kick the meeting off with a good time!

## Temporary Fishery Positions Available with the Colorado Division of Wildlife

Four temporary positions involving fisheries work will be available beginning in April and May 2005 with the Colorado Division of Wildlife. The six month positions will be based out of Grand Junction and Steamboat Springs. The positions will include: nonnative fish control operations, surveying fish populations in rivers, streams, reservoirs, and ponds in NW Colorado by using electrofishing, gill nets, trammel nets, and seines; inventorying cutthroat trout populations; collecting, preserving, labeling, and shipping fish for disease testing, genetic analyses, and stable isotope studies; and data entry. Employees will be expected to: work long hours in adverse conditions, backpack in the mountains, work out of and operate rafts and aluminum boats in rivers and reservoirs, and wade in streams and rivers while electrofishing or seining. Employees will frequently be out of town during the work week, as extensive overnight travel for extended periods of time will be required. Necessary requirements include: a driver's license, the ability to swim, heavy lifting (outboard motors, portable generators, dipnets full of fish, etc.); the ability to winch a boat on a trailer; a good attitude; interest in the biological sciences; and the ability to work and get along with others. Fish identification; experience towing trailers and with boat handling; a mechanical aptitude for working with small engines; the ability to use computer programs such as Access, Excel, and Word; training in a field of biology related to natural resource management; and prior experience will be considered when selecting employees. Salary for the positions will range from \$10.52/hour to \$11.30/hour, depending on qualifications. If interested, please send resume with contact (phone/email address) information to Billy Atkinson, CDOW Fish Biologist, P.O. Box 775777, Steamboat Springs, Colorado 80477 or via email: [bill.atkinson@state.co.us](mailto:bill.atkinson@state.co.us); or to Lori Martin, CDOW Fish Biologist, 711 Independent Ave., Grand Junction, Colorado 81505 or via email: [lori.martin@state.co.us](mailto:lori.martin@state.co.us).  
**Application for positions will close March 4, 2005.**

**A Job Announcement Board** will be available at the annual meeting. If you have a job to announce, or if you're looking for a job, check out the Job Board. It will be located in one of the public areas near breaks and poster sessions, and should receive lots of traffic. Bring copies of your current job openings and post them for free!

## Summer Mentoring and Scholarship Opportunity for High School Students

The Hutton Junior Fisheries Biology Program is a summer educational program sponsored by the American Fisheries Society (AFS). The principal goal of the program is to stimulate interest in careers in fisheries science and management among groups underrepresented in the fisheries professions, including minorities and women. Application to the program is open to all high school sophomores, juniors, and seniors regardless of race, creed, or gender. Because the program seeks to increase diversity within the fisheries professions, preference will be given to qualified women and minority applicants.

The Hutton Junior Fisheries Biology Program provides students with a mentor and a summer-long, hands-on experience in fisheries science in either a marine and/or freshwater setting. A scholarship is provided to students accepted into the program.

Mentor and student applications are due **February 15, 2005**. For applications and more information, click on the Hutton Program navigational bar on the AFS website at <http://www.fisheries.org/>

## Google Scholar Provides Free Search for Online Academic Documents

*Editors note: This is a really cool free search engine. Credit goes out to Pat Bigelow for passing this on to us.*

The Internet search organization Google has released a new free tool called "Google Scholar" that allows you to look up any author, or publication or technical topic and find all of the other articles or websites that cite that work, ordering them by relevance. "Google Scholar" enables you to search specifically for scholarly literature, including peer-reviewed papers, theses, books, preprints, abstracts and technical reports from all broad areas of research. "Google Scholar" also automatically analyzes and extracts citations and presents them as separate results, even if the documents they refer to are not online. This means that search results may include citations of older works and seminal articles that appear only in books or other offline publications. To use the tool, go to <http://scholar.google.com>

## Now Available:

### Propagated Fish in Resource Management

**Mary Nickum, Patricia Mazik, John Nickum, and Don MacKinlay, editors.**

This book contains the peer-reviewed technical papers presented at a June 2003 symposium examining the effective use of fish culture as a tool for fisheries resource management.

The symposium identified information gaps in technical knowledge, debated the appropriateness of assumptions and current theories being used to make resource management decisions, and attempted to reconcile philosophical differences that have become an obstacle to science-based resource management. Ten AFS Sections collaborated in this effort that showcased several themes:

- Decision Making and Risk Evaluation in Fish Stocking.
- Fishery Perspectives and Managing for Multiple Goals.
- Differences Between Propagated Fish and Wild Fish.
- Fish Health, Environmental Health and Hatchery Reform.
- Propagated Fish and Resource Management – Science & Agency Perspectives.

To order online, or for more information: [www.fisheries.org](http://www.fisheries.org) (click on "Bookstore")

## 2005 Meritorious Service Award

The Meritorious Service Award Committee needs your help to identify individuals who deserve recognition for providing outstanding service and commitment to AFS and its mission.

This award has been presented annually since 1986 and honors loyalty, dedication, and meritorious service to the Society throughout the years; as well as exceptional commitment to AFS programs, objectives, and goals.

The nomination deadline is May 6, 2005.

For additional information or to submit a nomination, please contact:

Bill Bradshaw, Wyoming Game & Fish Department  
Phone: (307) 672-7418 Fax: (307) 672-0594  
[bill.bradshaw@wgf.state.wy.us](mailto:bill.bradshaw@wgf.state.wy.us)