

# FISH SOUP

## AZ-NM CHAPTER AMERICAN FISHERIES SOCIETY

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Spring 2005

### President's Message

I would like to begin by thanking everyone who helped make the 2005 Joint Annual Meeting a huge success! We made a lot of changes to the program this year and a number of members did a great job in pulling it all together. I won't name everyone involved, but I need to mention a few people that really made it happen. Andy Clark and Chuck Benedict took care of the technical and poster program, Paul Cassidy put together a fantastic plenary session, and Pam Sponholtz (and her husband, Shannon) brought us into the 21<sup>st</sup> Century with online abstract submission and registration. Scott Reger and Colleen Caldwell organized students to help with audiovisual and registration needs, Matt Chmiel took care of our printing needs, and Jack Kelly organized the photo contest. Last, but certainly not least, the trio of Jim Warnecke, Dave Weedman, and Richard Wiggins (with additional help from Jon Duffy) pulled off another great raffle. Although the results of our surveys have not yet been tallied, from what we've been hearing, the changes we made (getting rid of the banquet, giving awards at the plenary session, entertainment at the Friday night social) were well received by all.

We also conducted plenty of Chapter business at the annual meeting. Most notable included our decision to invest \$1,000 annually into the Western Division endowment fund. This will allow us to fund scholarships in the future with interest earned from the endowment. We also donated \$100 to the Equal Opportunity Section (Parent Society) to help fund travel to the annual meeting. Finally, we restructured the dues for members, including an increase in dues for members to \$15 per year, while keeping student dues at just \$5 per year. The increase in dues will allow us to continue to conduct Chapter business and participate in more environmental programs. Other big news included the election of Pam Sponholtz for 2006-2007 President; she will become President-Elect in September of this year. As you may have noticed, we also found a new name for our newsletter: *Fish Soup!*

With nearly six months left in my term as President, there are still a number of things that I am working on. Unfortunately, my move to New Mexico and Aquatic Consultants, Inc. has put me behind a bit, but I am eager to get the ball rolling again. Currently, I am working on the Chapter of the Year application. Although we have a number of shortcomings, we are improving at a steady pace and I believe that this is an attainable goal in the next couple of years. I am also updating the Chapter Procedures Manual and the Annual Meeting Manual. Several of us will also be working to get the Student Subunit on the right track. Casey Harthorn will be putting together the Continuing Education course for later this summer, if you have any ideas for topics, please let Casey know. Keep an eye on the website for more information.

Again, a great big THANK YOU to all those involved with the Annual Meeting, you did a wonderful job and I am sincerely thankful for all of your hard work. Have a great summer and I hope to see all of you at the Continuing Education Course!

Scott Bryan  
President, Arizona/New Mexico Chapter

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## Fish Soup News!

March 6, 2005

### FISH DEATHS FROM GOLDEN ALGAE BLOOMS IN LOWER PECOS RIVER, CARLSBAD MUNICIPAL RESERVOIR, AND BATAAN RESERVOIR

*CARLSBAD* – New Mexico Game and Fish officers first noticed a fish kill in Bataan Lake at Carlsbad on February 22, 2005. Fisheries biologists with the New Mexico Department of Game and Fish confirmed that an expanding bloom of golden algae killed thousands of fish in Carlsbad Municipal and Bataan Reservoirs along the Pecos River in Carlsbad. Water samples showed a concentration of 33,000 cells/ml of golden algae (*Perminsum parvum*), which is consistent with cell concentrations from historic golden algae kills. Water samples for cell enumeration were collected as well as samples that were sent to Scientific Lab Division for analysis of biological oxygen demand, chemical oxygen demand, and nutrients including ammonia, total nitrogen, and total phosphorus.

Golden algae, scientific name *Prymnesium parvum*, produces a toxin that damages gills and causes fish to suffocate because they can't obtain oxygen from the water. Golden algae is only toxic to gill-breathing organisms such as fish and mollusks. It usually occurs in winter or early spring and does not affect humans, other mammals or even insects that come into contact with it. This is the latest in a series of golden algae blooms that have killed fish in Pecos River waters stretching north to Brantley Lake. They were first reported in 2002, when a bloom killed 4,000 to 6,000 fish south of Carlsbad. Golden algae blooms and fish kills also have been reported in Texas this year.

There was an ongoing water release from Avalon Reservoir that started a few days before the kill started. Biologists believe that the golden algae bloom that killed the fish was brought on by this water release. The difference in water quality (Bataan went from 3300uS specific conductance to over 6000uS specific conductance) may have shocked the system and allowed golden algae to bloom. The water release continues and seems be

moving and dissipating the bloom down-stream. The size of the dead fish also decreased further downstream. 6-mile Dam downstream to Fisherman's Lane had the most dead fish, and appears to have been the lower end of the kill. Dead fish were not found at several locations along the river downstream to the Texas Stateline. Total estimated fish loss is 243,748 with approximately 67% being gizzard shad. Spring sampling will give biologists an idea of fish remaining.

The Department of Game and Fish will continue monitoring the algae bloom in ongoing efforts to better understand how the blooms occur and what, if anything, the state can do to mitigate the events. When the blooms subside, usually within six weeks, the Department restocks affected waters to restore the fisheries.

~For more information, contact Shawn Denny, (505) 624-6135.

#### **New Volunteer Coordinator!**

The Arizona Game and Fish Department has a new volunteer coordinator! If you are interested in assisting on various projects, contact: Sandy Reith at [sreith@azgfd.gov](mailto:sreith@azgfd.gov) or 602-789-3680 for details.

#### **Volunteer Opportunities Wanted!**

University of Arizona Student AFS Chapter is looking for upcoming activities and projects for their members to be involved in. The chapter is composed of undergraduate and graduate students interested in various aquatic related issues. This is a great way to involve students in projects, and to gain extra help! Please send volunteer and job opportunities to [fisheries@listserv.arizona.edu](mailto:fisheries@listserv.arizona.edu).

# AFS Student Updates!

## University of Arizona's AFS

### Student Chapter 2004-2005 Activities

A few of us gathered at the UA in late fall of 2003 to discuss the possibility of forming a student chapter of AFS. We shared a common interest in aquatic related subjects and environmental stewardship. We were unaware that we were not planting a new seed but simply reviving older roots that went back to the 1960's when there was a UA student chapter. Chuck Benedict (AZ/NM AFS member) brought this to my attention.

Over the course of the 2004-05 year, we brought in guest speakers from a diverse range of backgrounds including: government agencies such as the United States Fish and Wildlife Service and Arizona Game and Fish Department; private non-profit groups such as Trout Unlimited; and naturalist / writer Walker Thomas who summarized his eight years living in and near a mountain cave. Our largest turnout (over 60 people) occurred when Beth Woodin, former AGFD Commissioner, discussed the decision-making processes, inner workings, needed improvement areas, and politics at the higher administration levels of the AGFD. A prime focus was on the recent mountain lion controversy in Sabino Canyon. Special thanks go to former AZ-NM Chapter President Mark Brouder for giving a wonderfully informative talk at our first meeting.

We raised over \$700 during our first year from a bake sale, t-shirt sales, member dues, meeting donations, and donations from the Desert Fishes Council social event that we sponsored with the help of DFC. Our t-shirts remain popular due to a wonderful design by our current art director, and former Graduate Representative, Sean Tackley.

I would like to extend our appreciation to all who supported us during our first year. The first year of starting any organization can be challenging, and I am proud of the foundation we laid and progress we made during our first year. I am confident we will keep the positive momentum going.

Our priorities for the coming year are to increase our membership base, expand our network of volunteer and job opportunities, and provide hands-on experience through UA-SC-AFS related field activities.

Our recent elections went smoothly and we are excited about the influx of undergrads to the UA-SC-AFS Executive Committee.

#### 2004-2005 (founding officers)

President - Andrew Schultz

Vice President - Jason Kline

Secretary - Shawna Collins

Treasurer - Vacated – Erica Sontz (served as interim Treasurer)

Graduate Representative - Sean Tackley

Undergraduate Representative - Sheldon Caldwell-Meeks

Faculty Advisor - Dr. Scott Bonar

\*Art Director - Sean Tackley

\*Webmaster - Shawna Collins

#### 2005-2006

President - Jason Kline

Immediate Past President - Andrew Schultz

Vice President - Devin Beck

Secretary - Shawna Minor

Treasurer - Erica Sontz

Graduate Representative - Tom Archdeacon

Undergraduate Representative - Yvonne Young

Faculty Advisor - Dr. Scott Bonar

\*Art Director - Sean Tackley

\*Webmaster - Erica Sontz

\* not official EXCOM positions

Thanks to all the founding members and their tireless efforts during our first year. A special thanks goes to our UA-SC-AFS Faculty Advisor Dr. Scott Bonar, DFC Executive Secretary Phil Pister, and our Tucson sponsors: Brooklyn Pizza on 4<sup>th</sup> Ave.; Baskin-Robbins Ice Cream on University Blvd.; and Bruegger's Bagel Bakery on Campbell Ave.

~Andrew A. Schultz (Immediate Past President UA Student Chapter AFS)

### **Support Students! Buy a Shirt!**

The University of Arizona's student chapter has tee-shirts available featuring the student chapter logo and Sabino gila chub, for those of you who did not get one at the annual meeting in Gallup! They are available in red/blue ringers, light blue/ dark blue ringers, or regular tan, or kahaki tee-shirts. Contact: Erica Sontz at [sontz@email.arizona.edu](mailto:sontz@email.arizona.edu) for details!

## **Aquaculture of Native Fishes at New Mexico State University (Las Cruces)**

The Aquatic Research Facility located east of campus on A-Mountain has not only provided a place to rear the endangered Rio Grande silvery minnow, it also provides excellent hands-on experience for NMSU fisheries students. The facility consists of a 28' x 97' greenhouse with four 3,200 gallon and seven 350 gallon circular tanks. These units are on four different types of recirculation systems. One utilizes an artificial wetland. A second utilizes a bead filter, while the third system utilizes a sump tank, sand filter, and UV sterilization. The fourth system provides temporary holding for isolation of incoming fish or special needs.

One of the unique aspects of this facility is that it utilizes geothermal water (63°C) in heat exchangers to maintain warm culture water in the winter. There is relatively low (for the desert southwest) water hardness (180-190 mg/L as CaCO<sub>3</sub>).

This facility came on line in the Fall of 2001 through a cooperative agreement among state and federal agencies (NMSU-Engineering College, USGS-New Mexico Coop Unit, USFWS-Fishery Resources Office and Dexter National Fish Hatchery and Technology Center). Initially, the facility maintained Rio Grande silvery minnow as broodstock and reared fry for repatriation to the Rio Grande. Currently, both this facility and the Albuquerque Bio-Park are primary broodstock facilities for propagation of the species. Our ultimate target is to produce one million eggs per year for delivery to the Dexter NFH&TC for hatching, grow-out, and return to the river.

Researchers at the A-Mountain facility collaborate with the U.S. Fish and Wildlife Service Dexter NFH&TC and Bozeman Technology Center in the development of native fish diets that will provide proper nutrition for Rio Grande silvery minnow and other native fish species throughout the United States. The research program has conducted tightly controlled feed trials with differently formulated diets throughout three life stages of the silvery minnow. Additional work is being conducted at the A-Mountain facility on environmental cues and reproductive processes.

~Jerry Landye, NMSU Fisheries Staff Specialist

## **VOLUNTEERS NEEDED!**



### **LITTLE COLORADO RIVER NATIVE FISH MONITORING**

The USFWS's Arizona Fishery Resources Office in Flagstaff, AZ is looking for volunteers to participate in native fish monitoring surveys in the Little Colorado River (LCR). Projects in the LCR vary in duration and time of year. These trips are part of a long-term monitoring effort for native fishes in the Grand Canyon. We will be PIT-tagging humpback chub as part of a mark-recapture population study in the LCR. You will be flown into the LCR by helicopter and spend 10 days camping in 1 of 3 camps operated by biologists from our office. Activities will include setting and checking 20 hoop nets daily and processing native fish including humpback chub, bluehead sucker, and flannelmouth sucker. All volunteers must complete our internally taught helicopter safety training before participating on a trip. Food and equipment will be supplied for each participant.

### **PROJECT DATES: VOLUNTEERS NEEDED!**

Spring LCR1: March 29 - April 8, 2005

Spring LCR2: April 26 - May 6, 2005

Fall LCR1: Sept. 20 - 30, 2005

Fall LCR2: Oct. 18 - 28, 2005

### **CONTACTS**

If you are interested in participating on one of our trips please contact us at the addresses or phone numbers below. Spots fill quickly and are filled on a first-come first-serve basis. A phone interview will be conducted and three work and personal references checked before your spot is solidified.

### **ARIZONA FISHERY RESOURCES OFFICE (AZFRO)**

**928-226-1289**

Pam Sponholtz - Project Coordinator

[Pam\\_Sponholtz@fws.gov](mailto:Pam_Sponholtz@fws.gov)

Josh David - Biotech and Volunteer Coordinator

[Josh\\_David@fws.gov](mailto:Josh_David@fws.gov)

Randy Van Haverbeke - Biologist and Helicopter Safety Trainer [Randy\\_Vanhaverbeke@fws.gov](mailto:Randy_Vanhaverbeke@fws.gov)

## 2005 Award Recipients New Mexico/ Arizona Annual AFS Meeting! February 3-5, 2005

### ***Conservationist of the Year Award***

Congratulations to APS (represented by Nick Svol and Phil Smithers) who were awarded the Conservationist of the Year Award for their significant involvement and contributions to the Fossil Creek Renovation.



### ***Professional of the Year Award***

Mark Whitney was awarded the Professional of the Year Award for exemplary service, impact on the resource and other professionals and significant accomplishments while employed in fisheries and aquatic resources. His family accepted the award for him.



### ***Hutton Junior Fisheries Biology Program***

Congratulations to all participants and good luck in the future!

### ***Miles McInniss Memorial Undergraduate Student Award and Scholarship***

Congratulations to **Jason Montoy**, (NAU Sophomore) and **Deavon Beck** (UA Junior) who were awarded the Miles McInniss Memorial undergraduate student awards and **\$1500** scholarship for the fall and spring 2004-2005 by the AZ/NM Chapter of AFS and Aquatic Consultants Inc.



### ***Winner of Raffle Trip to Alaska!***

Congratulations Wade Wilson! Enjoy the trip!



### ***Officer Nominations***

Congratulations to Pam Sponholtz who was elected 2006-2007 Chapter President. She will take office in August 2005 and serve a three-year term, performing the duties of President-Elect in 2005-2006, President in 2006-2007, and Past-President in 2007-2008.

### ***Call for Ideas!***

Continuing Education Training offers AZ/NM AFS members a great opportunity to gain additional professional training at a low cost. We need your ideas for training that you think interesting or necessary for members!

Contact: Casey Harthorn at (505) 522-9796 or [charthorn@state.nm.us](mailto:charthorn@state.nm.us).

# VOTE AZ/NM AFS Local into National AFS Leadership!

## AFS 2<sup>nd</sup> Vice President - Officer Candidate Statement

### Thomas R. McMahon

Tom McMahon is an eighteen-year employee of the Arizona Game and Fish Department and is currently the Urban Fishing Program Specialist based out of Phoenix, Arizona. Tom graduated from Arizona State University in 1986 with a Bachelor of Science degree in Wildlife and Fisheries Management. He began his fisheries career at the Department's Canyon Creek Hatchery in central Arizona and later pursued a position as a Fisheries Biologist in the Mesa Region of the Arizona Game and Fish Department. McMahon has held various biological and management positions at the Department, including Habitat Evaluation Specialist, Regional Fisheries Specialist, and Sport Fish and Wildlife Restoration Outreach Coordinator. He has also been the President of the Arizona Game and Fish Employee's Association for the past 3 years. He has researched, written, and submitted numerous fish management reports and evaluated many wildlife/fisheries habitat projects over the years. Tom has also written and produced a number of popular fishing/hunting articles and pamphlets concerning sport fishing/hunting and has been interviewed countless times for newspapers, television, and radio in Arizona. McMahon is a trained "Meeting Facilitator" and has been the Game and Fish Department's lead coordinator for such high profile functions as the Arizona Game and Fish Commission- State Legislators Excellence" award (one of the Department's highest honors) in 1999 and 2001. Tom has been married for ten years to his wife Paula (they have three boys: Dale, Paul, and Erik) and, during his off-time (???), he officiates football and baseball games at the high school and junior college level.

#### AFS Involvement

McMahon's involvement with AFS focuses on promoting the Society to all fisheries professionals and improved communication amongst the many members, Chapters, Sections, and Divisions. Tom was President of the AFS Western Division in 2003-2004 and is currently the immediate Past-President. He took on the ominous task of General Chair and

Master Scheduler for the 2001 Annual Meeting of the American Fisheries Society in Phoenix, Arizona and was also the General Chair/Master Scheduler for the Western Division's 2003 Annual Meeting in San Diego, California. Due to his involvement with AFS annual meetings and his leadership roles in the Western Division, Tom has been on the American Fisheries Society's Governing Board since 2000. He has been a member of the Arizona/New Mexico Chapter of AFS since 1986 and was their Secretary-Treasurer in 1994-95, annual meeting Program Chair from 1995-2001, Chapter President in 1996-97, and received the Chapter's "Award of Excellence" in 2002. McMahon has also been appointed to various AFS committees such as AFS2000, the AFS Meetings Committee, AFS Leadership Training, Certification Board of Appeals Committee, and is a current member of the Time and Place Committee. Tom has also been an AFS Certified Fisheries Professional since 1999.

#### Vision

My vision for the American Fisheries Society and its future has remained the same at all levels and is truly outlined within the three major goals of the Strategic Plan of the AFS, 2005-2009 (member services, information transfer, and aquatic stewardship). I like to refer to my vision as "**Relatable Pertinence**". I believe the new Strategic Plan addresses many of the issues that can make us more relatable and pertinent to decision makers and public officials, but these strategies need to be embraced and utilized by our members at the Division, Section and, most importantly, Chapter levels. Conversely, the AFS then needs to be relatable to our members and non-members and pertinent to fisheries professionals who are managers, administrators, academia and propagators. I feel this vision of "**Relatable Pertinence**" will assist in validating the continuum of some of our most current AFS Officer's visions and themes, such as: "Relevance"; "Science to Influence Outcomes"; "AFS Connections"; "Science Validation"; and "Credibility".

Relatable is defined as, "to show or establish logical or causal connection between", and pertinence is defined as, "...having a clear, decisive relevance to the matter at hand; highly significant". Our members (and potential members) are our greatest assets. Remaining connected and significant to these fisheries professionals is of utmost importance to me.

Leadership training, monthly teleconferences, continuing education opportunities, Hutton program participation, and annual meetings draw knowledge and expertise from all arenas of our profession. Services to our members have been strengthening and upgrading for years. Information distribution to fisheries professionals and the public through the American Fisheries Society has increased dramatically over the past decade. Our collective stewardship of the aquatic environment is very highly regarded...we are the fish experts. We need these services and trends to persist so they survive the apathy of time.

If elected, I will strive to promote increased internal/external communication capabilities of the American Fisheries Society to our many and diverse members, while assisting our Divisions, Sections and Chapters in doing the same. I also envision the AFS leading the way in partnership building with other natural resource professional and scientific organizations to further promote the AFS as the leader in conservation and sustainable development of fisheries and aquatic resources. However, these goals and visions (and many other "Indicators of Success" in the AFS Strategic Plan) will not be achieved if we do not concentrate our efforts on being relatable and pertinent to the public, decision makers and our members. During my tenure as an AFS Officer, I will work with enthusiasm, vigor and determined honesty to achieve these goals.

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## Award Opportunities!

Nominations and applications are needed for 2005 American Fisheries Society awards to be given at the 2005 AFS Annual Meeting in Anchorage, AK. For nomination information, see [www.fisheries.org](http://www.fisheries.org) or contact Carolina Franco, AFS Awards Coordinator, at (301) 897-8616X201 or [cfranco@fisheries.org](mailto:cfranco@fisheries.org).

### Award of Excellence

Presented to an AFS Member for original and outstanding contributions to fisheries and aquatic biology. Nomination deadline: **May 6, 2005**.

**Contact:** Christine Moffitt; Phone: (208) 885-7047; [cmoffitt@uidaho.edu](mailto:cmoffitt@uidaho.edu)

### Excellence in Public Outreach

Presented to an AFS member who goes the "extra mile" in sharing the value of fisheries science/research with the general public through the popular

media and other communications. Application deadline: **May 6, 2005**. **Contact:** James R. Jackson; [jrj26@cornell.edu](mailto:jrj26@cornell.edu); Phone: (315) 633-9243

### Meritorious Service Award

Presented to an individual for loyalty, dedication, and meritorious service to the Society throughout the years; and for exceptional commitment to AFS's programs, objectives, and goals. Nomination deadline: **May 6, 2005** **Contact:** William Bradshaw; Phone: (307) 672-7418;

[bill.bradshaw@wgf.state.wy.us](mailto:bill.bradshaw@wgf.state.wy.us) Outstanding **Student Subunit Award**

Recognizes outstanding professionalism, active resource protection, and enhancement programs, as well as a strong commitment to the mission of the Society. Nomination deadline: **May 6, 2005**.

**Contact:** Joan G. Trial; [joan.trial@maine.gov](mailto:joan.trial@maine.gov); Phone: (207) 941-4452

### President's Fishery Conservation Award

Presented in two categories: (1) an AFS individual or unit, or (2) a non-AFS individual or entity, for singular accomplishments or long-term contributions that advance aquatic resource conservation at a regional or local level. Nomination deadline: **May 6, 2005**. **Contact:** Ira R. Adelman; [ira@umn.edu](mailto:ira@umn.edu); Phone: (612) 624-4228

### William E. Ricker Resource Conservation Award

Presented to an individual or organization for singular accomplishments or long-term contributions that advance aquatic resource conservation at a national or international level. Nomination deadline: **May 6, 2005**. **Contact:** Ira R. Adelman; [ira@umn.edu](mailto:ira@umn.edu); Phone: (612) 624-4228

### Student Writing Contest

Recognizes undergraduate and graduate students for excellence in the communication of fisheries research to the general public. The winning paper and the runner-up will be published in *Fisheries*. Deadline: **May 6, 2005** **Contact:** James R. Jackson;

[jrj26@cornell.edu](mailto:jrj26@cornell.edu); Phone: (315) 633-9243

### Excellence in Fisheries Education Award

Recognizes excellence in organized teaching and advising in a field of fisheries. Nominees may be involved in extensive or continuing education as well as traditional university instruction. Nominees must be AFS members, been engaged in fisheries education within the past 5 years, and have at least 10 years of professional employment in fisheries education. Nomination deadline: **May 6, 2005**.

**Contact:** Dr. Hiram W. Li; Phone: (541) 737-1963; [hiramli@fisheries.org](mailto:hiramli@fisheries.org)

### **John E. Skinner Memorial Fund Award**

The John E. Skinner Memorial Fund provides monetary travel awards (up to \$600) for deserving graduate students or exceptional undergraduate students to attend AFS annual meeting. Award winners will also receive a one-year paid AFS membership. Any student who is active in fisheries or related aquatic disciplines is eligible. Deadline: **May 6, 2005.** **Contact:** Dr. Steven R. Chipps; Phone: (605) 688-6121; E-mail: [steve\\_chipps@sdstate.edu](mailto:steve_chipps@sdstate.edu)

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## **Announcements!**

### **AFS Chapter of the Year Application – 2005**

**AZ/NM AFS Chapter will be applying for the AFS Chapter of the Year.** AFS Chapter of the Year recognizes outstanding professionalism, active resource protection, and enhancement programs, as well as a strong commitment to the mission of the Society. For application, see: [www.fisheries.org](http://www.fisheries.org).

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## **Upcoming Meetings!**

Jul 6-11—**American Society of Ichthyologists and Herpetologists**, Tampa, FL. Contact Mark Pyron, [MPYRON@bsu.edu](mailto:MPYRON@bsu.edu), 765/285-8852.

**AFS** Jul 11-14—**29th Annual Larval Fish Conference**, Barcelona, Spain. See [www.larvalfishcon.org](http://www.larvalfishcon.org).

Jul 25-29—**Environmental Systems Research Institute User Conference**, San Diego, CA. See [www.scgis.org/2005\\_Conference/index.html](http://www.scgis.org/2005_Conference/index.html).

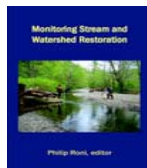
Jul 27-29—**American Fisheries Society Fish Health Section Annual Meeting**, Minneapolis, MN. See [www.fisheries.org/fhs/meeting.htm](http://www.fisheries.org/fhs/meeting.htm). Contact Joe Marcino, [joe.marcino@dnr.state.mn.us](mailto:joe.marcino@dnr.state.mn.us), 651/779-6770.

Jul 31-Aug 2—2005 Society for Conservation GIS (SCGIS) Annual Conference, Monterey, CA. See [www.scgis.org/2005\\_Conference/index.html](http://www.scgis.org/2005_Conference/index.html).

Sep 11-15—**American Fisheries Society 135th Annual Meeting**, Anchorage, AK. Contact Betsy Fritz, [bfritz@fisheries.org](mailto:bfritz@fisheries.org), 301/897-8616, ext. 212.

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## **New Books!**

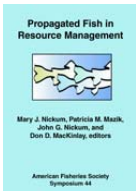


**Monitoring Stream and Watershed Restoration** Philip Roni, editor; February 2005; 350 pages List Price: \$65; Member Price: \$45

This long-awaited book provides a practical resource for designing and implementing monitoring and evaluation programs for aquatic restoration activities at various scales from individual, site-specific actions to multiple projects throughout a watershed. Chapters are organized around the major types of restoration techniques, including road improvements, riparian silviculture, fencing and grazing management, floodplains, estuarine, instream, nutrient enrichment, and acquisitions and conservation easements. Also includes chapters on economic evaluation and monitoring design. The book will particularly appeal to scientists evaluating restoration techniques, to groups implementing restoration, and to agencies and entities responsible for funding restoration efforts.



**The Behavior and Ecology of Pacific Salmon and Trout** Thomas Quinn; February 2005; 328 pages; List Price: \$35; Member Price: \$28. In this major new work, Thomas Quinn distills from the vast scientific literature the essential information on the behavior and ecology of Pacific salmon, including steelhead and cutthroat trout. Unlike other books that examine only selected life stages, habitats, or species, this book—richly illustrated with beautiful photographs and original drawings—thoroughly covers the complete life cycle, emphasizing common themes and differences among the various species of salmon. Representing the range of species and geographic regions, the book includes examples from classic studies by pioneers of salmon biology and from the most current research to illustrate the important features of salmon life history and behavior and the complex physical, biological, and human factors that affect them.



### Propagated Fish in Resource

#### Management: Symposium 44

Mary Nickum, Patricia Mazik, John Nickum, and Don MacKinlay, editors; February 2005; 640 pages; List Price: \$75; Member Price: \$53

- 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.



### Suggested Procedures for the

#### Detection and Identification of Certain Finfish and Shellfish Pathogens (Bluebook), 2004 Edition

(Includes the USFWS/AFS-FHS Standard Procedures for Aquatic Animal Health Inspections); CD-ROM, 2004, updated annually; 1-Year Subscription: List Price: \$100; Member Price: \$75; 3-Year Subscription: List Price: \$150; Member Price: \$100

Originally published in loose-leaf format as the *Blue Book*, this updated, searchable CD contains both the familiar chapters of the "Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens" and the newly revised "Standard Procedures for Aquatic Animal Health Inspections" co-authored by the U.S. Fish and Wildlife Service and the AFS Fish Health Section. This new format allows the user to easily access information and contains numerous color photographs and video clips. Published by the AFS Fish Health Section.



### Sustainable Management of North American Fisheries: Symposium 43

E. Eric Knudsen, Donald D. MacDonald, and Yvonne K. Muirhead, editors; December 2004; 281 pages; List Price: \$69; Member Price: \$48

Fisheries throughout North America are faced with serious threats to their sustainability. Some of the key factors challenging fisheries sustainability include human population growth, overfishing, habitat alteration and destruction, water quality impairment, aquacultural operations, introduction of alien species, and global climate change. New management approaches and institutional structures are needed that integrate economic, social, and environmental interests into a decision-making framework that supports fisheries sustainability. In *Sustainable Management of North American Fisheries*, recognized leaders in the fields of sustainability, science, and environmental management examine the most important constraints on fisheries sustainability, and provide a blueprint for maintaining and restoring healthy aquatic and marine systems in North America, as well as the important fisheries that they support.

**Job Postings**

This section is for members to post job opportunities. Please send postings to the Editor by **June 10<sup>th</sup>**!

**Letters to the Editor**

This section is for members to express their views on any fisheries related topic. **Please submit your letters by June 10<sup>th</sup> for the next Newsletter!**

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## Arizona/New Mexico Chapter American Fisheries Society 2005 Chapter Business Meeting Minutes

The Arizona/New Mexico Chapter AFS Business Meeting convened on February 2, 2005 at 18:11 with a quorum of 24 participants

Last year's meeting minutes were discussed and accepted with some noted corrections from Heidi Blasius. Any further changes should be sent to Pam Sponholtz at [pam\\_sponholtz@fws.gov](mailto:pam_sponholtz@fws.gov).

Lynn Starnes, Western Division President:

- Provided an update on Western Division events and announced the nomination of Tom McMahon for AFS President
- The Western Division is recruiting for \$30,000 to contribute to the annual meeting in Alaska. Thanks to Casey Harthorn for his help in recruiting for these funds. The incentive that the Parent Society has given us is that the Western Division gets to keep the first \$10,000 it raises!
- The Western Division is working with the Boating Partnership to incorporate new ideas
- The Tributary (Western Division publication) is looking into going completely electronic due to Mark Brouder's efforts
- The Western Native Fishes Project continues to make progress with Montana being the first state to implement a pilot project
- Question was asked regarding the recent moratorium on pesticide use in New Mexico, the Western Division was going to comment on the action but needs more information from the NMDGF before it drafts a letter.

Tom McMahon, AFS Presidential Candidate

- Spent a few minutes enlightening the group on how the Parent Society and the Division operate
- He is developing his platform that will show the importance of AFS membership and the benefits of networking with professionals
- He is also a member of the Nominating Committee, so please send him suggestions for award recipients. For more information on awards, check out [www.wdafs.org/committees/awards/awards.htm](http://www.wdafs.org/committees/awards/awards.htm)

Scott Bryan: President's Report:

- Chapter meeting is a huge effort dependant on many people including:  
Andy Clark, Program Chair

Paul Cassidy, Plenary Session  
Chuck Benedict, Posters  
Joey Vega, Local Arrangements  
Pam Sponholtz and Colleen Caldwell, Registration  
Program Editor, Matt Chmiel  
Student Volunteers, Colleen Caldwell  
Audio Visual, Scott Reger  
Student Paper Awards, Josh David  
Raffle, David Weedman, Richard Wiggins, Jim Warnecke  
Photo Contest, Jack Kelly

- Have implemented some changes for this meeting and feedback about these changes is critical, please fill out the meeting evaluation forms so these can be used to improve future meetings!

Changes include:

- Awards will be given during plenary session on Friday morning
- No banquet but a really cool band and lots of beer and food
- Raffle a trip to Alaska, includes airfare and accommodations

Goal is to move our Chapter into the direction of "Chapter of the Year". Some activities that will help in this effort include Pam Sponholtz and Mark Brouder attending the Parent Society AFS meeting in Madison and Paul Cassidy and Scott Bryan participating in the Western Division Excom and monthly conference calls. Chapter participation in Fossil Creek renovation, educational aquarium project, superior newsletter, continuing education courses, and website all contribute to this effort as well. Other aspects that need to be implemented include improving conservation, education, getting students out in the field and improving stewardship.

The AGFD Region 6 office in Mesa has an 850-gallon aquarium that could be used for this purpose, contact Jim Warnecke or Dave Weedman for details.

Implement membership brochures that include what we do and how to become a member. This could also be offered via the website.

Student subunit at the University of Arizona has gotten involved and begun to develop bylaws and an organizational structure to their unit

If there are upcoming Chapter activities, move it forward so that we can try and get closer to our goal of Chapter of the Year.

Continuing Education this year was "Investigating Fish Kills" and was held in August in Silver City,

NM. This same class was offered at the National Meeting for \$150, however this opportunity was only \$25. 25 members attended. Chapter Procedures Manual needs to be updated following each annual meeting. Chapter should get more involved in restoration issues.

Newsletter: Anne Kretschmann

Requests more information on fishery activities specific to New Mexico and encourages any changes or suggestions to contact her.

Webpage: Pam Sponholtz

Would love to hand this off to someone who is better at it than she is....Scott Rogers has volunteered to take it over. Thanks Scott!

Membership: Heidi Blasius

Sent out membership list, please make any changes and return it to Heidi. Have increased membership slightly from 130 members to 150

Continuing Education: Casey Harthorn

This year's continuing education class was very successful. For a class to qualify as a continuing education class, it has to be an accredited program. Costs can remain low if training is conducted by someone within the Chapter. Any ideas for continuing education classes, please turn them into Casey.

Environmental Affairs: Joey Slaughter

Trout Unlimited sent recent letter advocating for responsible land management. Comment on Native Fish Restoration on the Blue River in response to scoping letter from Bureau of Reclamation. Fire Resolution introduced by John Rinne was passed last year. Do we want to comment on the Antimycin use in NM and develop it as a resolution?

Hutton Program: Casey Harthorn

February 15, 2005 is deadline for applications. This is a great resource for summer assistance. AFS pays for a high school student to assist in field work activities during the summer and the students gain valuable experience.

Endowments: Casey Harthorn

In an endowment fund, the principal is invested, and only a portion of the investment earnings is spent. The rest of the earnings are channeled back into the fund, so that the endowment grows over time. In this way, the endowment becomes a perpetual source of funding for whatever the donor wishes to achieve. Discussions at last year's chapter meeting focused on investigating whether or not an endowment would be

an appropriate investment for the chapter's funds. However, with less than \$10,000 in the chapter account, the chapter doesn't have enough funds yet. A better way to go would be to invest in the Western Division Money Market with an average return of 7%.

New Business

• Endowments: Currently, \$3,000 in scholarships is given via the Miles McInnis award, \$2,000 comes from Aquatic Consultants, Inc, and \$1,000 from the Chapter. Motion to reduce the Miles McInnis award to \$2,000 (two 1,000 scholarships) and invest \$1,000 into the Western Division Money Market. Motion Passed unanimously. Casey Harthorn will get the details and the Chapter will begin investing in 2006.

• Equal Opportunity Committee: Letter requesting a donation to help fund minority attendance at National Meeting. Motion to donate \$100 to Equal Opportunity. Motion Passed unanimously.

• Chapter Dues: Only current source of income is the annual meeting, which we host just once every three years. Finances dwindle quickly as Chapter expenses run approximately \$3000/year with no alternative sources of income. Need a way to raise money in non-meeting years. Discussion ensued regarding raising dues, having a mid-year raffle that could be implemented at events such as the Sportsman's Expo. Motion to restructure dues system so it is \$15/members and \$5/students. Motion Passed unanimously

• Elections: Candidates Pam Sponholtz and Andy Clark were introduced, ballots were distributed. Pam Sponholtz won election, since she is currently the Secretary/Treasurer for 2-years, President-Elect Paul Cassidy will appoint a Secretary/Treasurer in September 2005 so that Pam can become President-Elect at that time.

• Newsletter: There has never been an official name for our Chapter newsletter. Scott Bryan solicited ideas for names in December in which he got 25 ideas. He asked members for votes via e-mail for their top 3 choices. The top 3 were voted on to determine the new name: "Fish Soup" was selected as the newsletter name

• Student Paper Awards: Scott Bryan asked for volunteers to judge student papers and posters to determine awards (to be presented Friday Night).

No other new business, meeting adjourned at 8:15 p.m.

## Notes From the Editor...

We would like to thank you for a successful AFS Conference!

We at 'Fish Soup' continually appreciate all of the wonderful articles, photos and input from members. We strongly encourage everyone to think about contributing to the newsletter.

The theme for the next edition will be Native Fish Management and Restoration. The newsletter will be out mid July. If anyone would like to contribute an article please submit it by June 10<sup>th</sup>.

Thanks again!

~Your editors

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Marianne Meding

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## AFS Arizona-New Mexico Chapter Officers

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<b>Secretary/ Treasurer</b>	Pam Sponholtz U.S. Fish and Wildlife Service (928) 226-1289 <a href="mailto:pam_sponholtz@fws.gov">pam_sponholtz@fws.gov</a>
<b>Past President/ Chapter Endowments/ Continuing Education</b>	Casey Harthorn New Mexico Game & Fish 566 N. Telshor Las Cruces, NM 88011 (505) 522-9796 <a href="mailto:charthorn@state.nm.us">charthorn@state.nm.us</a>
<b>Membership Environmental Affairs Fundraising/Raffle Bylaws</b>	Heidi Blasius Scott Gurtin Jim Warnecke Colleen Caldwell

## Congratulations!

The winner of our 'Name the Newsletter' contest was **Scott Gurtin**. He named our newsletter '**Fish Soup**'. Scott received several books, and recognition at the AZ/NM-AFS meeting in February 2005.

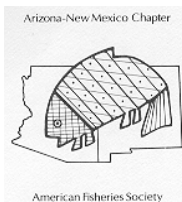
## Webpage

If you have any comments about the webpage or have items you would like to see on the webpage, please contact Pam Sponholtz at: [pam\\_sponholtz@fws.gov](mailto:pam_sponholtz@fws.gov) or: Scott Rogers at: [srogersagf@qwest.net](mailto:srogersagf@qwest.net)

Another big thanks to Pam Sponholtz for her webpage support. Enjoy the AFS Alaska 2005 meeting Pam!

Visit our webpage at:

<http://www.fisheries.org/aznm>



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