



AMERICAN FISHERIES SOCIETY
IDAHO CHAPTER
ORGANIZED 1870



GILL RAKER GAZETTE

Vaughn L. Paragamian - Editor

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PRESIDENTS MESSAGE

Steve Elle

Ever stop and think about why you got into the fisheries profession. For me, it started out as a love of fishing. Somehow when I got to college I found my way into the forestry college and started out in wildlife. After a year or so, I decided that there were no jobs in wildlife and so I kind of ended up by default in fisheries. Somewhere along the line someone said: "If you like to fish become a wildlife biologist and if you like to hunt become a fisheries biologist...so your work won't get in the way of your play". I suspect many of us did not come on these words of wisdom in time to chart our professional career. Or maybe it is that our "work" is part of our "play", and we all made the correct decision after all.

Fishing is my "reality escape". No matter what "alligators are biting me", personally or professionally, when I am fishing, nothing else is on my mind. (*Hmmm, wish I was fishing right now...*) I hope the same is true for many of you. Having a profession that coincides with a lifetime passion hopefully provides some compensation for the lack of monetary rewards of the profession. Many people certainly have a love of fishing and have chosen a career that is financially more rewarding. Did they make a better choice than us...that answer lies with each individual.

So, "Where is he going with this", you ask? The point I wish to make, is we all got into this profession for differing reasons...each probably unique to the individual. The theme of this years meeting is **AFS: What are we managing for**? It will be an opportunity to stop and think about why you got into this line of work. And more importantly, I hope we can have some active discussions about whom we manage for. Do you

manage for the fish? Do you manage for the public? Where does "Saving All the Parts" (Rocky Barker) fit with providing fishing for recreational and commercial uses? How do consumptive vs. nonconsumptive uses fit into your management model?

So many questions...so little time. Come to Pocatello and share your thoughts with your fellow "squeezers". I believe it especially important for professional members to share with students. I'm sure a lot of young professionals are still trying to decide "why" they got into this profession. I am suggesting an informal mentoring program. And maybe out of that, we can formalize a long-term program within the Chapter.

On an unrelated note. In order to better manage meeting costs, it would be very helpful if we knew your plans regarding meeting attendance. Every year we are faced with notifying the hotel how many people are attending before we have a complete registration. This requirement usually results in some WAG that can result in meeting cost over runs if attendance ends up lower than our guess. I understand that folks are reluctant to pay registration before the meeting because it comes out of your pocket, despite the fact that registration at the door is more expensive. So here is my proposed compromise. If you plan to attend the meeting in Pocatello and do not plan to pre-register, please notify Mary Faurot (634-0618 or mfaurot@fs.fed.us) that you are coming. Remember, pre-registration is due by Feb 15th. Your help in this matter should minimize our meeting costs and maximize our funding to do outside projects.

Drive carefully and I look forward to seeing you
in Pocatello!

NOMINEES for 2002 ICAFS EXCOM

Secretary/Treasurer

Kathy Stangl

Kathy currently works as a Fisheries Biologist for the Bureau of Land Management in both the Cottonwood and Coeur d'Alene Field Offices. Since arriving in 1994, her responsibilities have involved fisheries/stream evaluations and Endangered Species Act consultations. Prior to coming to the BLM, Kathy worked for two years as a Fisheries Technician for the National Park Service at Glen Canyon National Recreation Area in Arizona. After completing her degree, she spent two years teaching aquaculture as a Peace Corps volunteer in Central African Republic. Kathy received a B.S. in Biology with an emphasis in Freshwater Fisheries from the University of Wisconsin-Stevens Point in 1989. She has been an AFS member for seven years. Kathy is interested in running for Secretary/Treasurer because she wants to get more involved in AFS and feels this would be a good opportunity to learn more about the Idaho chapter and how it functions.

Rob Van Kirk

Rob received a B.A. in mathematics and M.S. in environmental systems from Humboldt State University and a Ph.D. in mathematical biology from the University of Utah. From 1994 to 1998 he was research director for the Henry's Fork Foundation, where he developed and directed an interdisciplinary watershed research program. He is currently an assistant professor in the Department of Mathematics at Idaho State University, where he has taught since 1999. Rob's research interests encompass a wide variety of topics; he has published papers in the areas of theoretical population biology, watershed restoration, fisheries management, aquatic ecology, and conservation biology. Rob has been an active member of AFS since 1995, having been invited to speak at one Idaho chapter meeting and two national meetings. He is serving as program coordinator, moderator, and proceedings editor for the Sinks Symposium, to be held at the 2002 Idaho Chapter meeting. He is interested in becoming a Chapter officer to provide the perspective of someone from outside of the government agencies.

Nominations

Bart Gamett

Bart is a Fish Biologist for the Salmon-Challis National Forest. While growing up in central Idaho Bart developed a deep interest and appreciation for fish. This fostered a desire to ensure that fish populations are protected so that future generations can benefit from this important resource. Bart received a B.S. in Biology from Idaho State University and has nearly completed a M.S. in Fish and Wildlife Resources at Utah State University. While attending school he worked as a temporary employee for the Idaho Department of Fish and Game and the U.S. Forest Service. His professional interests include the protection and restoration of fish populations, the zoogeography of fishes in the Intermountain west, the influence of water temperature on fish distribution and abundance, and the social dimensions of natural resource management. Bart believes that the AFS and the ICAFS play an important role in the protection and recovery of fish populations. Bart would like to help contribute to that role by serving as Nominations Chair for the Idaho Chapter.

Judy Hall-Griswold

Judy currently works for the Idaho Department of Fish and Game as a Fisheries Research Biologist managing the General Parr Monitoring Database and assisting with project & agency coordination for annual monitoring of juvenile salmon and steelhead. She received her Bachelors and Masters of Science degrees in Biology from Eastern Washington University in Cheney, WA in 1982 and 1985, respectively. Judy has 19 years of experience in Fisheries and Limnology working for EWU, 2 public utilities, the U.S. Army Corps of Engineers, the U.S. Fish and Wildlife

Service, and IDFG. She has been a member of AFS off and on for the past 15 years, and participated on the Anadromous Fish Committee in 1997. Her greatest contribution to AFS has been her original fish illustrations, donated to help raise funds for the Idaho Chapter, and for which she received an Award of Merit in 1998. As Nomination Chair, Judy hopes to learn more about the people involved in AFS, and to seek out those that show compassion, dedication and leadership for next year's officers.

Vice President

Jerry Lockhart

Jerry currently works for the Nez Perce Tribe as a Research Biologist for the Salmon Supplementation Studies in Idaho Rivers project. He earned a B. S. degree in Zoology from the University of Nevada, Las Vegas in 1973. From 1973 to 1976 Jerry attended Graduate School at UNLV with a major in Aquatic Biology. In 1999, Jerry received a M. S. degree in Natural Resources from the University of Idaho. Jerry first became a member of AFS in 1969. He has been employed as a Fisheries Technician for BLM and a Conservation Officer and Fisheries Technician for the Idaho Department of Fish and Game. Jerry has been conducting research on chinook salmon and steelhead since 1991. Jerry served seven years in the U. S. Navy and managed private businesses for eleven years. As time has become more available, Jerry has been a member of the Optimists Club and an officer of the American Legion. In 2000, Jerry made an unsuccessful campaign for the Idaho Legislature and will be running again in 2002. As Vice President, Jerry believes he can use his skills and experience to help the ICAFS remain a very robust chapter.

Matt Powell

Matt is currently a research assistant professor at the University of Idaho in the Department of Fish and Wildlife Resources and the Department of Animal and Veterinary Sciences. He grew up in Idaho and earned a B.S. in zoology and biology from the University of Idaho. After a brief stint in the Air Force as a pilot, he returned to the University of Idaho for an M.S. in zoology. From there he attended Texas Tech University and earned a doctoral degree in zoology while working as a graduate research assistant at the Los Alamos National Laboratory. Matt returned to Idaho in 1995 as a post-doctoral fellow and has been involved in fisheries research since then. His primary interests are in the population genetics, conservation biology and life history of fishes. He supervises two molecular genetics laboratories, one in Hagerman and one in Moscow. He is an active AFS member and hopes to continue to broaden the interests of the Idaho chapter and serve the interests of its members at large.

Fundraising Committee Update-

Call for Donations

The Fundraising committee has been soliciting donations but by far our best success comes from members who are willing to contact businesses that they frequent or by arm twisting friends. So next time you are spending your hard earned cash ask the person on the other side of the counter to support the ICAFS. Hand-crafted items are always welcome so bring your favorites. Remember, all donations are

tax deductible and we have developed a "face to face letter" which contains our nonprofit information (tax exempt # etc.). If this would be of use to anyone please contact me and I will send you a copy.

Fish-O-Flies, *Oncorhynchus idahoii*

Fellow tyers, warm up your vises and bring your handcrafted flies to the meeting or mail them to Lance Hebdon, to dress up *O. idahoii*. Flies of all shapes and sizes encouraged. As an added incentive, **FOR EVERY HALF-DOZEN FLIES YOU BRING, YOU GET 3 GENERAL RAFFLE TICKETS!!**. Anyone wishing to donate items or help out at the raffle/auction please contact: Lance Hebdon, 208-465-8404 or lhebdon@idfg.state.id.us

Guide to the Native Fishes of Idaho

Dr. Richard L. Wallace, Professor Emeritus of Zoology at the University of Idaho and Donald W. Zaroban, Curator of Fishes at the Orma J. Smith Museum of Natural History are authoring the new book concerning Idaho's forty three species of native fish. This book will update the native fish data presented in *The Fishes of Idaho*, published in 1978.

Each species account will include the common and scientific names, descriptions and illustrations of key physical characteristics and overall appearance, habits and habitats, common foods, and an updated distribution map. The distribution data will be based on the most comprehensive database available concerning native fish occurrence in Idaho. Comments concerning the current population status of each species will be included.

The book's unique contribution will be that all the distribution data is based on specimens held in museum collections. The fish occurrence data used to produce the *Fishes of Idaho* provide by Dr Wallace, will be complimented by the Orma J. Smith Museum of Natural History collection and database. Data from other museums in the nation that hold Idaho fish, will also be included. This combined database offers thousands of new records.

Why seek funding for publication?

The intent is to fund the publication of the book through donations and grants so that all the income from the book can be deposited into an account to support the continued conservation of the fish collection at the Orma J Smith Natural History Museum. The fish collection at the OJSNHM includes the depository for specimens collected by several state and federal agencies. The Museum is currently funded through donations and staffed by volunteers. Albertson College of Idaho presently houses the museum.

Many types of assistance can contribute to the success of this book.

We are looking for various forms of support for the Guide to the Native Fishes of Idaho

Petitioned Idaho Species Update

The Idaho conservation League and American Wildlands petitioned the US Fish and Wildlife Service in February of 2000 to protect burbot in the Idaho reach of the Kootenai River from further losses and to restore the population. Environmental groups warned the USFWS that if appropriate action was not taken they would be sued. Since that time a 90 day Finding was released in the

Direct Funding

We are currently seeking funding for the images, printing layout, and printing costs. If you or your organization would like to provide a tax-deductible contribution toward these types of costs please send a check to Orma J Smith Natural History Museum c/o William H. Clark Director, with a note on the memo line that indicates it is for the Native Fish Book. You will be sent a receipt in the mail for tax purposes. The address is the Orma J Smith Museum, Attention: Bill Clark Director-Fish Book, Albertson College; Boone Hall; Caldwell, Idaho

Letters of support

Funding organizations would like some indication that there is a need for this book. We are requesting letters from interested organizations and individuals that describe their interest in a guide to Idaho's native fish. We can forward these letters of support to funding organizations that request such letters. Official letterhead is useful if your agency or organization is interested in providing this support. Please mail all such letters to the museum and Don Zaroban.

Notice of publication

Please notify us if you are interested in receiving a post card with a notice of publication when the book is ready. This will help us in three ways: Allow us to determine how many copies to print, offers another method to confirm that there is an interest in the book, and allows us to provide you with an order form when the book is ready. Notify Don Zaroban dzaroban@albertson.edu.

If you want to be involved in some other way at the museum or with this project contact the Orma J Smith Museum, Attention: Don Zaroban, Fish Curator; Albertson College; Boone Hall; Caldwell, Idaho. You can also write dzaroban@albertson.edu.

Federal Register warranting further investigation but no further action was taken. The USFWS lists the primary reason as a lack of funds. In late January of 2002 the environmental groups filed suit against the USFWS for lack of action.

Thursday, February 27, 2002

7:00-10:00AM	Registration	
8:30AM	Introduction and housekeeping - Steve Elle, President elect ICAFS	
8:40AM	President's Address Brett Roper, Acting President ICAFS and Scott Tolentino, President BCAFS	
9:00AM	In Recognition of Ted Bjornn - Steve Elle	
Session	PLENARY American Fisheries Society: What Are We Managing For?	
Room	Bannock & Bonneville	
9:10AM	Introduction - Brett Roper	
9:15AM	Wayne Hubert, Unit Leader, University of Wyoming Educational/Training/Formative Years	
9:40AM	Henry Maddux, Field Supervisor, US Fish & Wildlife Service, Utah Federal Management	
10:05AM	Virgil Moore, Fisheries Bureau Chief, Idaho Fish & Game Idaho Perspective	
10:30AM	Kevin Christopherson, Regional Supervisor, Utah Div. of Wildlife Resources Utah Perspective	
10:55AM	Break	
Session	DISCUSSION	
11:15AM	Introduction - Scott Tolentino	
11:20AM	Discussion	
12:00PM	Idaho Chapter Bag Lunch Committee Breakouts	Bonneville Chapter Lunch on your own

Session	ANADROMOUS	DISEASE
Room	Bannock	Bonneville
Moderator	Name	Name
1:30PM	Introduction	Introduction

1:35PM	Variation in Spawning Ecology Among Chinook Salmon Populations Within the Middle Fork Salmon River. D. Isaak	Effect of Sand Size on Filtration of <i>Myxobolus cerebralis</i> Triactinomyxons E. Wagner
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Thursday, February 27, 2002 Cont'd

1:55PM	How Many Chinook Salmon Redds Do Redd Counters Count When Redd Counters Attempt to Count Redds? R. Thurow	The Effects of Habitat Features on the Distribution of <i>Myxobolus cerebralis</i> and Occurrence of Whirling Disease among Age-0 Salmonids in the Salt River Drainage, Wyoming-Idaho. J. Burckhardt
2:15PM	An Assessment of Snake River Spring/Summer Chinook Salmon, <i>Oncorhynchus tshawytscha</i> , Spawning Habitat Suitability Using Logistic Regression Techniques. P. McHugh	Distribution of <i>Myxobolus cerebralis</i> in the Logan River, Utah: Effects on Salmonid Populations. E. de la Hoz
2:35PM	Migration Behavior and Tributary Use by Fall Chinook Salmon in the Bonneville and Dalles Reservoirs. T. Gonica	Utah's Midway Sport Fish Hatchery: A Case Report on the Detection of <i>Myxobolus cerebralis</i> . C. Wilson
2:55PM	Break	
Session	ANADROMOUS CONT'D	CULTURE
Room	Bannock	Bonneville
Moderator	Name	Name
3:15PM	Introduction	Introduction
3:20PM	Searching for a Life History Approach to Pacific Salmon Population Modeling. E. Knudsen	Triploid Trout Production in Utah: Current Status and On-Going Research. R. Arndt
3:40PM	The Effects of Water Temperature on the Migration Behavior and Survival of Adult Steelhead in the Columbia River Basin. B. High	Effects of Rapidly Changing Temperatures on Short-Term Survival of Juvenile Rainbow Trout. M. Smith
4:00PM	Molecular Genetic Variation Among Rainbow Trout <i>Oncorhynchus mykiss</i> Walbaum (Salmonidae, Salmoniformes) from the Kamchatka Peninsula. M. Powell	Triploid Induction in Rainbow Trout at Hayspur Hatchery: A Transfer of Research Test Results to the Hatchery Production Level B. Esselman
4:20PM	OPEN xxx	Efficacy of AQUI-A™ as an Anesthetic on Various Life-Stages of Rainbow Trout <i>Oncorhynchus mykiss</i> . J. Bowker
6:30PM till whenever	Palouse and Bonneville Units Student mixer at The Pocatello Pizza Place , 285 E. Alameda Road, Pocatello.	

Friday, March 1, 2002

8:30AM	Housekeeping and Announcements
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Session	NATIVE AQUATICS	
Room	Bannock & Bonneville	
Moderator	Name	

Friday, March 1, 2002 Cont'd

8:35AM	Temporal Distribution of Kootenai River White Sturgeon Spawning Events and the Effect of Flow and Temperature Post-Libby Dam.	V. Paragamian
8:55AM	Anti-predatory Defenses Used by Two Native Cyprinid Species and their Effectiveness in Avoiding Predation by Introduced Brown Trout.	M. Nannini
9:15AM	Boreal Toad Distributional Surveys and Monitoring in Northern Utah, 1999-2001. K. Sorenson	
9:35AM	Evaluating Reasons for Failure of a Reintroduction of Leatherside chub (<i>Gila copei</i>).	M. Belk
9:55AM	Observations on RAPD and mtDNA Analyses of Westslope Cutthroat Trout from Four Streams in the Salmon River Breaks. D. Mays	
10:15AM	Break	
Room	Bannock only	
10:35AM	Year-Class Strength and Feeding Ecology of Age-0 Paddlefish in Fort Peck Lake, MT.	J. Kozfkay
10:55AM	Movement Patterns in Inland Salmonids, Migrants, Residents or a continuum?	A. Schrank
11:15AM	Abundance and Age Structure of Adult Lake Sturgeon in the Manistee River.	B. Gunderman
11:35AM	The June Sucker Recovery Implementation Program: A Collaborative Approach to Endangered Fish Recovery and Water Development.	C. Keleher
11:55AM	ICAFS Lunch Annual Business Meeting, Western Division Update – Eric Knudsen	UCAFS Lunch Annual Business Meeting, Western Division Update – Eric Knudsen

Session	NATIVE AQUATICS CONT'D	HABITAT
Room	Bannock	Bonneville
Moderator	Name	Name
1:50PM		Introduction

1:55PM	A Long-Term Comparison of Yellowstone Cutthroat Trout Abundance and Size Structure Throughout Their Historical Range in Idaho. K. Meyer	Upper Salmon Basin Watershed Project Update. Formerly the Model Watershed Project, Lemhi, Pahsimeroi and East Fork of the Salmon River, Idaho. J. Trapani
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Friday, March 1, 2002 Cont'd

2:15PM	Status of Native Yellowstone Cutthroat Trout (<i>Oncorhynchus clarki bouvieri</i>) in the State of Utah. P. Thompson	Riparian Area Management: A Landscape View. S. Feldhausen
2:35PM	Discovery and Management of Native Colorado River Cutthroat Trout in the Escalante River Drainage, Utah. D. Hepworth	Restoration of an Incised River: A Case Study of the Right Fork of the White River in Southeastern Utah. M. Slater
2:55PM	The Influence of Water-Use on the Spawning Migration and Survival of Bear Lake Bonneville Cutthroat Trout (<i>Oncorhynchus clarki utah</i>) in St. Charles Creek, ID. P. Burnett	Historical Conditions of the Lower Boise River Prior to Large-Scale Watershed Development. D. Blew
3:15PM	Abundance and Movements of the Rainbow Trout Spawning Population in the Naknek River, Southwest Alaska. C. Schwanke	Fishery Response to Stream Habitat Improvement Projects on Thistle Creek. D. Wiley
3:35PM	Break	
3:55PM	Behavioral Interactions Between Least Chub (<i>Iotichthyes phlegothontis</i>) and Introduced Western Mosquitofish (<i>Gambusia affinis</i>). M. Belk	The South Fork Salmon River – A History of Change. R. Nelson
4:15PM	Use of Otoliths to Describe Variation in Life History of Freshwater Salmonids. D. Horan	Mining and Fish: The Stibnite Story. M. Faurot
4:35PM	Susceptibility of Bull Trout, <i>Salvelinus confluentes</i> , to <i>Renibacterium salmoninarum</i> , the Causative Agent of Bacterial Kidney Disease. D. Jones	Stream Channel Restoration for Westslope Cutthroat Trout, Benewah Creek, Couer d'Alene Indian Reservation. S. Bauer
4:55PM	OPEN	Changes In Habitat Management of Utah Rivers and Streams in the Past 35 Years K. Summers
6:30PM – 11:00PM	ICAFS & BCAFS Joint Raffle and Auction	

Saturday, March 2, 2002

8:00AM	Housekeeping and Announcements	
Session	MANAGEMENT ISSUES	
Room	Bannock & Bonneville	
Moderator	Name	

8:05AM	Introduction
8:10AM	Where Have All the Perch Gone in Cascade Reservoir??? Will They be Back???

P. Janssen

Saturday, March 2, 2002 Cont'd

8:30AM	Fish Lake: The Management of a Trophy Lake Trout Fishery.
	C. Chamberlain
8:50AM	Using a Historical Perspective to Analyze Human Aspects of Fisheries Management: Examples from the Henry's Fork.
	R. Van Kirk
9:10AM	Relative Survival and Growth of Triploid and Diploid Rainbow Trout in Two Idaho Reservoirs.
	D. Teuscher
9:50AM	Fishery Investigations at Willard Bay, a Warm Water Reservoir in Northern Utah, from 1994-2001.
	C. Schaugaard
10:10AM	Break
10:30AM	Growth and Survival of Stocked Rainbow Trout in Flaming Gorge Reservoir, Utah-Wyoming.
	T. Haddix
10:50AM	Rainbow Trout Recruitment and Fishing Mortality in the Kootenai River, Idaho.
	J. Walters
11:10AM	How Salmonid Consumption Relates to Fish Size.
	R. Rader
11:30AM	An Evaluation of Physical Stream Habitat Attributes Commonly Used to Monitor Reach-Scale Stream Conditions.
	B. Roper
11:50AM	Presentation of best paper awards, closing remarks.
	Adjourn

