



# PISCES

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Volume 31, Number 1, Winter 2002

## My Travels in China

Larry R. Brown, President

I recently traveled to the People's Republic of China as part of a technical exchange between the Hai He River Water Conservancy Commission of the Ministry of Water Resources and the U.S. Geological Survey. Joe Domagalski, a co-worker, and the veteran of three previous trips to China on cooperative projects involving groundwater and surface water quality invited me to join him on this new project. The topic of interest for the present study is eutrophication of a drinking water reservoir, Panjiakou Reservoir on the Luan River, in northeastern China. Panjiakou Reservoir (larger upstream storage reservoir) and the associated Daheiting Reservoir (smaller downstream regulating reservoir) serve as the water supply for the cities of Tianjin and Tangshan, so water quality is of great concern.

We arrived in Beijing on the evening of October 17 and immediately traveled to Tianjin. The next day we loaded up the small bus with the people (and luggage) that would be our companions for the next several weeks and headed north to Panjiakou Reservoir. Our companions consisted of the staff of the Hai He River Commission water quality laboratory, and two other members of the Commission staff, Miss Kang who acted as our interpreter and Mr. Fu a member of the recently formed technical exchange office of the Commission, who also spoke excellent English.

The differences in Chinese and American agriculture were immediately apparent on the drive. In America, and perhaps especially in California, large commercial-size farming operations with large fields of a single type of crop are the norm. The agriculture we saw consisted of family-

sized plots of a wide array of crops. Small plots of cotton, rice, and corn were easily recognizable. Vegetables of various kinds were also common. Large aquaculture operations were also visible from the highway where carp, shrimp, and prawns were raised. We even passed through some vineyard areas where wine grapes are grown. I can tell you from direct experience that those grapes make a very acceptable red wine. As we moved out into the countryside we found that we had arrived in the middle of the corn harvest. In the smaller villages ears of corn were stacked on every rooftop to dry. The cornstalks and husks were saved for burning later in the winter. As we approached Panjiakou Reservoir we began to see trucks and vehicles of all sizes hauling rocks. We soon learned that these rocks came from iron mining operations located around the reservoir. The ore was being hauled to processing plants around Daheiting Reservoir where it was finely crushed and the iron separated from the waste rock using some sort of physical processing method that none of our companions could describe in detail.

We spent the next several days in a small town located just downstream of Panjiakou Dam, learning about various problems in the watershed. Those problems are varied and all have important effects on the reservoir system. Tailings from the mining operations were dumped within the floodplain of the river between the two reservoirs and in other areas where the tailings can be washed into the Daheiting Reservoir. This is causing rapid siltation of Daheiting Reservoir and the Commission is very concerned about loss of storage capacity. Upstream of Panjiakou Reservoir nutrients and other chemicals enter the system from agriculture within the floodplain and valley, from untreated domestic sewage from small villages and Chengde a city of several million people. In addition, there are uncharacterized inputs of other chemicals from

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mining, paper pulp mills, and other industrial activities. Neither point nor nonpoint sources of pollution appear to be regulated in China, which has no equivalent to our Clean Water Act.

After our trip through the watershed we returned to Panjiakou Reservoir for additional meetings and a boat trip on the both reservoirs to collect water quality samples for the laboratory. The most noticeable human activity on both Daheiting and Panjiakou Reservoirs was aquaculture. Fish were being raised in net pens. Our hosts indicated that the smaller Daheiting Reservoir supported 3,000 net pens and the larger Panjiakou Reservoir supported 10,000 net pens. One of the more interesting exchanges we had later with various technical folks was whether the aquaculture operations were a net source or sink of nutrients to the reservoirs. Our hosts were unclear whether the aquaculture practices included supplemental feeding of the fish, which might make the operations a net source, but the general feeling was that little feeding took place suggesting that the aquaculture might be a net sink of nutrients for the reservoir system. Our trip to the upstream area of the Panjiakou Reservoir was made much more interesting by ropes used to anchor the pens. The ropes were stretched across the entire width of the reservoir, making the safest route right along the shore, underneath the ropes, which were anchored at the upper waterline. Our trip on Panjiakou Reservoir also emphasized that urban inputs are very important to the system. Our boat trip upstream stopped when we reached a trash line in the upper arm of the reservoir where the Luan He (river) comes into the reservoir. The trash was stuck in a surface scum of indeterminate composition (probably for the best) that stretched upstream as far as we could see. We also made several "tourist stops" during our trip on Panjiakou Reservoir including a small Buddhist shrine in a cave, an unrestored section of the Great Wall (partially submerged by the reservoir), and a small hostel (accessible only by boat) at the foot of a section of the Great Wall. The stop at the hostel included an excellent chinese homestyle lunch prepared by the proprietress and several of our party.

The technical portion of our trip ended with a final several days of technical meetings in Tianjin that were part lecture and part question and answer. It was clear during this session and earlier conversations that our hosts were hoping that we would have technological answers to many of their problems. Instead our recommendations focused on source control, including: 1) sewage treatment for Chengde and any other large and small urban areas;

2) point source controls for industry; 3) physical removal of mine tailings from the floodplain; and 4) establishment of best management practices for nonpoint sources, particularly agriculture. I believe these suggestions disappointed our hosts, probably because they had already recognized the economic and social complications that arise with such actions. For example, plans for sewage treatment facilities for Chengde are in the national budget but are not the highest priority and funding will depend on future economic conditions. It was also clear that most of the water quality staff that we met had, at best, only a rudimentary concept of aquatic ecology. Nobody that we met had any knowledge of the condition of the stream biota and there was little interest in the topic. Reforestation to control erosion in the upper watersheds was the only ecological topic that appeared to be of interest. I suspect this attitude was the result of long-standing human impacts on the stream systems that have reduced exploited aquatic resources to a low level with little economic value.

Our trip ended with a several days of primarily tourist activities in Beijing. I think my greatest realization is that it was impossible to form an objective impression of China after only a couple of weeks of limited travel and little contact with people other than our interpreter and the few other English speakers in our group. For example, I had many questions about aquatic ecology that none of our group could really address. This trip did bring home to me how far we have come in the United States since the implementation of the Clean Water Act. Many of the harmful activities we observed in China could not legally occur in the United States. I do not mean to imply that we should stop working for even better water quality in the United States, but it is worthwhile to remember the great progress that has occurred. I would close by thanking our hosts in China for a very interesting trip and I would highly recommend that any of you offered similar opportunities for foreign travel should definitely take advantage of them. The Newsletter Editor would certainly welcome articles about your past, present, or future activities in foreign lands!

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## SECOND CALL FOR PAPERS

### Symposium and 36<sup>th</sup> Annual Meeting

AMERICAN FISHERIES SOCIETY  
California-Nevada Chapter

### *Theme - Human Impacts on Aquatic Resources*

April 18-20, 2002

Granlibakken Resort and Conference  
Center  
Tahoe City, California

**Potential presenters:** If you are interested in submitting a paper or poster for any of the sessions below, please contact the Session Coordinator directly to verify that there is room in the session for your presentation. The Session Coordinator will supply information on abstract format and audiovisual needs. The deadline for submission of abstracts to the Session Coordinators is 22 February 2002. Late submissions will be considered on a case-by-case basis. Listings of presentations under each session will be posted on the Chapter website ([www.afs-calneva.org](http://www.afs-calneva.org)) as soon as they become available. For more information, contact Chuck Knutson, Program Chairman, at (916) 653-7987 or [cknutson@dfg.ca.gov](mailto:cknutson@dfg.ca.gov)

### Thursday-Saturday, April 18-20, 2002

#### Poster Session

Coordinator: Robert Blizard, CA Dept. of Transportation, (510) 286-6238, [robertblizard@dot.ca.gov](mailto:robertblizard@dot.ca.gov)

### Thursday, April 18, 2002 (8:00 AM - 5:00 PM)

**Symposium 1:** *Wild and Native Trout Management and Restoration*. Coordinators: Bill Somer, CA Dept. of Fish and Game (530) 647-9120, [wsomer@dfg.ca.gov](mailto:wsomer@dfg.ca.gov) and Tom Martens, California Wildlife Foundation (916) 446-2956,

[Tom\\_martens@californiawildlifefoundation.org](mailto:Tom_martens@californiawildlifefoundation.org)

### **Symposium 2:** *Current Issues in Fish Passage: Screens, Ladders, and Culverts*.

Coordinators: Marcin Whitman, CA Dept. of Fish and Game (916) 653-0161, [mwhitman@dfg2.ca.gov](mailto:mwhitman@dfg2.ca.gov) and Steve Thomas, National Marine Fisheries Service (707) 575-6079, [Steve.Thomas@noaa.gov](mailto:Steve.Thomas@noaa.gov)

### Thursday, April 18, 2002 (7:00 PM - 8:30 PM)

**Discussion Group:** *Information Sharing on Lyme Disease Threats to Natural Resource Field Personnel*. Coordinator: Cindy Watanabe, CA Dept. of Fish and Game (916) 635-7022, [skwatanabe@juno.com](mailto:skwatanabe@juno.com)

### Friday, April 19, 2002 (8:30 AM - 11:45 AM)

**Plenary Session:** *Human Impacts on the Aquatic Environment*. Coordinator: Dr. Peter Moyle, University of California, Davis (530) 752-6355, [pumoyle@ucdavis.edu](mailto:pumoyle@ucdavis.edu) (Subjects include global warming and climate change, changing public attitudes, increasing demands for water and conflicts with aquatic resource needs, aquatic invasive species threats, and human population growth trends).

### Friday, April 19, 2002 (1:30 PM - 4:30 PM)

**Technical Session #1:** *Native Species Management and Research*. Coordinator: Dr. Gary Scoppettone, U.S. Geological Survey (775) 861-6396, [gary\\_scoppettone@usgs.gov](mailto:gary_scoppettone@usgs.gov)

**Technical Session #2:** *Invasive Species Problems and Solutions*. Coordinator: Susan Ellis, CA Dept. of Fish and Game (916) 653-8983, [sellis@dfg.ca.gov](mailto:sellis@dfg.ca.gov)

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**Technical Session #3:** *Protecting Marines from Fish (Why MPAs are good for the other guys)*. Coordinator: Ed Ueber, NOAA, Gulf of the Farallones Marine Sanctuary (415) 561-6622, [ed.ueber@noaa.gov](mailto:ed.ueber@noaa.gov)

[crgoldman@ucdavis.edu](mailto:crgoldman@ucdavis.edu)

**Technical Session #10:** *Evaluating Watershed Restoration for Fish Habitat*. Coordinator: Barry Collins, CA Dept. of Fish and Game (707) 725-1068, [bcollins@dfg.ca.gov](mailto:bcollins@dfg.ca.gov)

**Note: For a registration form for the Symposium, please see p.16 of the Newsletter.**

**Technical Session #4:** *Fire Management and Impacts on Aquatic Habitats*. Coordinator: Kevin Shaffer, CA Dept. of Fish and Game (916) 327-0713, [kshaffer@dfg.ca.gov](mailto:kshaffer@dfg.ca.gov)

**Technical Session #5:** *Reservoir Research and Management*. Coordinator: Dennis Lee, CA Dept. of Fish and Game (916) 358-2833, [dlee@dfg.ca.gov](mailto:dlee@dfg.ca.gov)

**Friday Night Banquet (7 PM – 9 PM)**  
**Speaker:** Dr. Charles Goldman, U.C. Davis  
“Moving Beyond the Conflicts at Lake Tahoe: Forty Years of Environmental Stress and Change”

**Saturday, April 20, 2002 (8:30 AM - 11:30 AM)**

**Technical Session #6:** *Conservation Genetics*. Coordinator: Dr. Mary Peacock, University of Nevada, Reno (775) 784-1958, [mpeacock@unr.nevada.edu](mailto:mpeacock@unr.nevada.edu)

**Technical Session #7:** *Recent Developments in Aquaculture*. Coordinator: Dr. Joe Cech, University of California, Davis (530) 752-3103, [jjcech@ucdavis.edu](mailto:jjcech@ucdavis.edu)

**Technical Session #8:** *Contributed Papers*. Coordinator: Dan Logan, National Marine Fisheries Service (707) 575-6053, [dan.logan@noaa.gov](mailto:dan.logan@noaa.gov)

**Technical Session #9:** *Impacts of Development on Lake Tahoe*. Coordinator: Dr. Charles Goldman, University of California, Davis (530)

752-1557,

**Guidelines for Registration and Reimbursement of Speakers and Session Chairs  
California-Nevada Chapter American Fisheries Society  
2002 Annual Meeting  
Lake Tahoe, California**

If a speaker or session chair attends only the session where he/she is speaking, all meeting registration fees will be waived. If a speaker or session chair attends other sessions at the meeting, he/she will be required to pay the appropriate meeting registration fee. Speakers that attend only their session, but stay overnight at the Granlibakken, will be required to register for the meeting (due to the included meal package).

1. Invited out-of-state session chairs and speakers that cannot obtain travel support from their employer are entitled to reimbursement for one night's lodging at the discounted hotel meeting rate, and transportation expenses to and from the meeting (airfare, ground transportation to and from the hotel). Speakers are required to find the lowest possible airfare when making travel reservations. No reimbursement will be made for meals, additional night's lodging, or other expenses unless prior approval is received from the meeting chairperson.
2. Requests for reimbursement should be forwarded to:  
Amy Harris, Treasurer  
909 Humboldt St.  
Santa Rosa, CA 95404

Reimbursement requests should include a letter itemizing travel expenses and original receipts for each

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itemized expense. All requests should be submitted within 30 days of the annual meeting. Reimbursement will be made by check, mailed to the address in the request letter.

## Poster Session for the 36th Annual Meeting

Last year we had over 35 posters presented at the Annual Meeting. This year we would like to see even more. If you would like to present a poster at the 36th Annual Meeting in Tahoe City, please contact Mr. Robert Blizard at [Robert\\_Blizard@dot.ca.gov](mailto:Robert_Blizard@dot.ca.gov). We will let you know by the middle of February what the size limits and other requirements will be. We will also be awarding prizes for the best student poster. Hope to see you there.

## HUMBOLDT CHAPTER OF THE AMERICAN FISHERIES SOCIETY

FIRST CALL FOR PAPERS, 2002 ANNUAL MEETING  
MARCH 16, 2002

The 2002 Annual Meeting of the Humboldt Chapter of the American Fisheries Society will be held on the Humboldt State University Campus in Arcata, California on Saturday, March 16<sup>th</sup>. The meeting will begin at 8 a.m. with a plenary session. Following the plenary session will be a general session and special sessions on estuaries and steelhead research along the northern coast of California. An awards banquet will follow.

Please submit abstracts (300 words or less) in Word or Wordperfect format to Ethan Bell ([ethan@stillwatersci.com](mailto:ethan@stillwatersci.com); 850 G St, Suite K, Arcata CA; 822-9607).

The Humboldt Chapter is also hosting a statistical workshop on Friday, March 15<sup>th</sup>. The workshop is being instructed by Dr. David Hankin and will address sampling design and theory, emphasizing difficulties in sampling small populations and differentiating juvenile steelhead and cutthroat trout. The workshop will be limited to 24 participants and registration is \$100.00. For more information, contact Monica Hiner ([monica@northcoast.com](mailto:monica@northcoast.com); 15900 Highway 101 North, Klamath, CA; 707-482-2841).

## CONFERENCE ANNOUNCEMENT

The Desert Research Institute will be hosting a conference on "Spring-Fed Wetlands: Important Scientific and Cultural Resources of the Intermountain Region," on May 7-9, 2002, in Las Vegas, NV. It will be organized as a workshop where scientific and cultural values of springs are discussed, and future information, management, and research needs are identified. A field trip will visit Ash Meadows National Wildlife Refuge, Nevada, which is one of the largest spring provinces in the western U.S. Formal presentations will be followed by a facilitated workshop to foster discussion among stakeholders. Posters that consider spring topics are invited, and sessions will examine:

**Ecology:** Importance of springs to endemic and wide ranging plant and animal species, ecological characteristics of aquatic and riparian systems, biogeographical considerations, ecosystem response to cultural uses.

**Hydrology/Geology:** Relationships between springs and aquifers, geochemical characteristics, resource persistence, local and regional ecology.

**Paleohydrology/Paleoecology:** Influences of ancient climates on biological communities and ground water resources.

**Cultural Use:** Historical and prehistoric uses, importance to rural and urban lifestyles and economies, and relevance of State water rights

**Resource Management:** Current and past environmental conditions, current and past management direction, rare species conservation, restoration priorities and methods.

The fee for the conference is \$175. For more information contact Don Sada, Desert Research Institute, 775/673-7359, e-mail [dsada@dri.edu](mailto:dsada@dri.edu), or visit the Desert Research Institute's website at <http://www.dri.edu/conferences/springfedwetlands/>

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## FISHLINK SUBLEGALS 12/28/01

Excerpts from IFR & PCFFA e-mail newsletter

4:25/04. BOXER INTRODUCES SENATE SALMON FUNDING BILL: On 13 December, U.S. Senator Barbara Boxer (D-CA) formally filed a separate Senate alternative version of the salmon recovery funding bill by Representative Mike Thompson Bill (D-CA), H.R. 1157, which passed the House of Representatives on 13 June by a vote of 418 to 6. The Boxer bill, slightly different from Thompson's bill (now also in the Senate), is also called the "Pacific Salmon Recovery Act," S. 1825, and would allocate 85 percent of up to \$350 million year for five years to five west coast states (Alaska, California, Oregon, Washington and Idaho), with the additional 15 percent divided among many Tribes, as a federal share of state-based salmon restoration efforts in those states. The bill was co-sponsored by Senators Dianne Feinstein (D-CA), Ron Wyden (D-OR), Gordon Smith (R-OR), Larry Craig (R-OR) and Mike Crapo (R-ID). Idaho wants some of the salmon restoration money to deal with its Snake River salmon issues. Currently Congress is appropriating these funds on an ad hoc basis (omitting Idaho) and, though independent statutory authority is technically not required, putting authority on record with a strong vote in Congress would institutionalize the federal salmon recovery funding program and give it an advantage in future budgeting conflicts, likely if current projections that the U.S. federal budget will slide into deficits over the next few years are correct. The bill can be reviewed by bill number search at: <http://thomas.loc.gov>.

4:26/10. SACRAMENTO WINTER-RUN CHINOOK NUMBERS UP: While scientists have called into question the efficacy of plans for restoring salmon populations in the Columbia River Basin (see Sublegals, 4:24/05), efforts at restoring the Sacramento River's winter-run chinook, the first Pacific salmon listed under the Endangered Species Act (ESA), appear to be succeeding. The San Francisco Chronicle, in a 19 December article, confirmed earlier reports in Sublegals of a substantial increase in the number of winter-run returning to spawn in a reach of the Sacramento below Keswick Dam (a flow regulating dam below Shasta reservoir). According to the Chronicle report, the number of winter-run spawners has increased from 800 in 1996 to 11,000 this year, a 14-fold increase in the past five years.

Winter-run chinook were first petitioned for ESA listing in 1986 by the American Fisheries Society (AFS) when the number of adult spawners had fallen to 2,000 fish (down from 120,000 in 1969). The National Marine Fisheries Service (NMFS) fought the listing, choosing to go with its "10-point handshake" a voluntary and unenforceable agreement that ultimately did nothing but restrict fishing (AFS made clear in its petition that fishing was not contributing to the run's decline). In 1989, however, when the numbers were down to 400, the California Fish & Game Commission listed the run under California's Endangered Species Act (CESA) and NMFS then had no choice but to follow with a federal listing. In 1991, when numbers fell to 191 fish and the run

appeared on the verge of extinction, PCFFA's late President Nat Bingham brought the responsible agencies together with scientists and fishing groups to form the Winter-Run Captive Broodstock Committee and initiated actions to protect the fish in river. Although there have been some restrictions placed on commercial and recreational salmon fisheries, actions responsible for the winter-run turn-around undertaken pursuant to the ESA include: cold water releases from Shasta Dam; installation of effective fish screens at the Glen-Colusa and Anderson-Cottonwood Irrigation Districts; lifting of the gates at the Red Bluff Diversion Dam during migration; controlling toxic mine tailing waste water from the Iron Mountain mine site; and curtailment of state and federal water pumps during migration through the Sacramento-San Joaquin Delta. To see the San Francisco Chronicle article, go to: <http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2001/12/19/SP122063.DTL>.

4:26/08. ESA PETITION DISPUTES LISTING OF HATCHERY FISH: A coalition of fisheries and conservation organizations led by Trout Unlimited that includes both PCFFA and IFR filed a detailed biological briefing with the National Marine Fisheries Service (NMFS) on 19 December disputing the current NMFS policy of even including hatchery fish in the genetic conservation unit (or "ESU," for "evolutionarily significant unit") which the federal Endangered Species Act (ESA) is then used to protect. Currently NMFS sometimes includes them and sometimes does not. The result of this confusing inclusion policy was the recent decision by U.S. Federal Court Judge Michael Hogan in the Alsea Valley Alliance case that threw out ESA protections for the Oregon Coastal Coho ESU, a ruling then appealed by many of these same organizations (but not by NMFS), and then ESA protections were reinstated by the Ninth Circuit Court of Appeals pending the appeal (Sublegals 4:11/02; 4:13/01; 4:18/02, 4:20/08; 4:24/19). The group's briefing questions whether hatchery fish should be included in an ESU at all except in the rarest of circumstances. Originally intended to be a petition for relisting of the Oregon coastal coho, the timely reinstatement of ESA protections by the Ninth Circuit Court of Appeals made such a petition unnecessary. The petition was submitted instead as part of the record for the review of its hatchery stock inclusion policy that NMFS is undertaking in lieu of an appeal. For more information see Item 9 in the 21 December issue of the Columbia Basin Bulletin, available from: <http://www.cbbulletin.com>.

4:21/17. CALIFORNIA WATERSHED PROJECT FUNDING DATABASE: A potentially valuable new tool for identifying watershed restoration project funding is the California Watershed Foundation Funding Database, a combined project of the California Resources Agency, California State University at Chico and InfoEd. Though specific to California, it is the first statewide web searchable database of watershed restoration funding sources currently available. Organizations that are involved in watershed restoration funding generally are particularly encouraged to visit the website at: [http://watershed.ecst.csuchico.edu/new\\_spin/spinmain.asp](http://watershed.ecst.csuchico.edu/new_spin/spinmain.asp). An online form is available for entering new programs into the

index at: [http://watershed.ecst.csuchico.edu/new\\_spin/sendmail1.asp](http://watershed.ecst.csuchico.edu/new_spin/sendmail1.asp). Please direct comments on the website back to Kristin Carter at: [kcooper-carter@csuchico.edu](mailto:kcooper-carter@csuchico.edu).

4:21/19. NMFS SALMON SCIENCE PANEL CHASTIZES NMFS FOR POOR MANAGEMENT: An independent science review panel, the Salmon Recovery Scientific Review Panel (RSRP), has issued a report severely criticizing the National Marine Fisheries Service (NMFS) for its lack of a scientifically credible rationale for allowing high levels of harvest on certain ESA listed fish, as well as its ongoing failure to account for loss of habitat, hydropower and hatchery impacts on salmon runs as part of its analysis of harvest options and tradeoffs. The report, dated 27-29 August but released only recently, also faults NMFS for failure to use the best available population models to predict escapement, failure to collect the data necessary to make good management decisions, and failure to include in its procedures for setting allowable harvests the data assessing the impacts from hydropower dams, loss of habitat and other non-harvest factors so that the impact of all factors could be compared. The Panel also noted the need to design in a sufficient time period in which to test whether true recovery has been achieved, so that the cyclical nature of ocean conditions does not lead to false impressions based on a few good years. The full report is available at: <http://research.nwfsc.noaa.gov/cbd/trt/rsrp.htm>.

4:21/08. PUBLIC SCOPING MEETINGS FOR MARINE SANCTUARY JOINT MANAGEMENT PLAN REVIEW, BOUNDARY LINE LIKELY TO BE MAJOR ISSUE: A series of 20 scoping meetings for the Gulf of the Farallones National Marine Sanctuary (NMS), Cordell Bank NMS and Monterey Bay NMS begins 28 November in Santa Cruz and ends 17 January in San Jose. The meetings are to receive public input on the management plan review for the three NMS located along California's north central coast. Members of the public, fishermen and others will have the opportunity to comment on the plan and the sanctuaries. The fishing industry had been one of the major proponents of the sanctuary designations for these waters in order to protect important fishing grounds from proposals at the time for oil drilling, deep sea mining and even the scuttling of decommissioned nuclear submarines in these waters. One of the major issues is likely to be the boundary line between the Gulf of the Farallones and Monterey sanctuaries. Fishermen, the counties of Marin, San Francisco and San Mateo, as well as some conservation groups have pressed to adjust the boundaries between the two sanctuaries at Ano Nuevo, which not only demarks the geographic and ecological boundary between the two sanctuaries, but the political one as well (it is the boundary line between San Mateo and Santa Cruz counties).

Persons unable to attend any of the scoping sessions may submit comments by e-mail to [jointplancomments@noaa.gov](mailto:jointplancomments@noaa.gov) or on their website. The comment period remains open until 31 January 2002. To see the full schedule of 20 meetings, make a comment, or read about the management plan visit their website at: <http://sanctuaries.nos.noaa.gov/jointplan>

## EXOTIC/INVASIVE SPP

### 4:21/12. AQUATIC INVASIVE WEED THREATENS FISHERIES:

The U.S. Fish and Wildlife Service is warning against the spread of a Brazilian exotic weed, *Salvinia molesta*, which has recently arrived in The U.S. Craig Springer said that the invasive plant, also known as giant molesta, "could impact our economy by causing irreparable damage to The environment, affecting hunting and fishing, farming and hydropower." Giant molesta grows phenomenally quickly, doubling its area in as little as a week. It grows in 3-foot thick mats that can block out all sunlight below, killing beneficial plants, bugs and fish. Farming and water-dependent economies in Australia and Africa have been decimated by infestations of this vegetative menace. It is almost impossible to mechanically remove because the mats weigh around 36 tons/acre and it will regrow from small shredded pieces. *Salvinia molesta* has already appeared in southern states from California to North Carolina; coastal inland waters of Oregon and Washington are also at risk. The best defense against invasion is early detection and prevention. The U.S. Fish & Wildlife Service encourages fishermen to immediately report any suspected sighting toll-free to the Aquatic Nuisance Species Hotline 1(877)STOP-ANS. For additional information, contact Bob Pitman at 505/248-6471 or: [bob\\_pitman@fws.gov](mailto:bob_pitman@fws.gov).

## CONFERENCES

4:21/04. FOURTH ANNUAL SALMON OCEAN ECOLOGY CONFERENCE IN JANUARY: The 4th Annual Salmon Ocean Ecology Meeting will take place on 15-16 January, 2002, at the National Marine Fisheries Service (NMFS) Santa Cruz, California Laboratory. Following on previous meetings in Newport, Seattle, and Nanaimo, B.C., this is the fourth in a series of informal meetings designed to foster communication among researchers working on the ocean ecology of Pacific salmonids. The purpose of the meeting will be to highlight work in progress, including presentations of speculative and "not-quite-polished" results. The first day of the meeting will be devoted to the theme "Adaptations of Pacific Salmon to Extreme Ocean Environments." The second day will be devoted to more general ecosystem observations and ecological papers. The first Conference announcement and more information is available on their website at: <http://www.pfeg.noaa.gov/events/SalmonMeeting>.

4:21/07. CALIFORNIA WATER POLICY CONFERENCE: "The Price of Water: Are We Counting All the Costs?" is the theme of the California Water Policy Conference being held 6-7 December in Los Angeles. The conference includes workshops on privatization and deregulation, water use efficiency, CALFED and watershed management. For more information, go to: <http://www.cawaterpolicy.org>.

4:21/09. SUSTAINING SEASCAPES CONFERENCE SCHEDULED FOR 7-8 MARCH 2002: The Center for Biodiversity & Conservation (CBC) will host their seventh

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annual spring symposium, 'Sustaining Seascapes: The Science & Policy of Marine Resource Management.' The symposium will explore the conservation of marine biodiversity and fisheries through the integrated design of marine protected areas (MPAs), MPA networks, and other complementary coastal management frameworks. Topics will include an overview of marine fisheries and biodiversity; the economics of coastal zones; fisheries, tourism, and other sectors, and; analytical and practical approaches to linking social and ecological systems. To register, please contact: Central Reservations, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024, Tel: (212) 769-5200 or (212) 769-5272. For more information visit <http://research.amnh.org/biodiversity>

Source:

NEWS, COMMENTS, CORRECTIONS: Submit your news items, comments or any corrections to Allison Vogt, Editor at: [ifrfish@pacbell.net](mailto:ifrfish@pacbell.net) or call the IFR/PCFFA office with the news and a source at either: (415) 561-FISH (Southwest Office) or (541) 689-2000 (Northwest Office).

## Keeping Our Waters Clean

TECHNO 2100 TV Special premieres on December 8, Boca Raton, FL ? All of us have seen beautiful bodies of water with a "No Fishing" sign because the lake or river was too polluted to support healthy aquatic life. Fortunately, there's an effort in progress to clean up those bodies of water and keep them clean for future generations to enjoy. However, in order for this effort to be successful, everyone from farmers to developers to government workers and community leaders must play a role.

The Clean Water Act establishes water quality standards and the TMDL program. A TMDL, or Total Maximum Daily Load, is a calculation of the total amount of pollutants a body of water can contain and still remain safe for aquatic life, marine life and outdoor activities including fishing and swimming.

TECHNO 2100: Keeping Our Waters Clean explains TMDL's and what we all must do to help. This 60-minute special explores the need for ongoing research into potential water pollutants and the importance of cooperation between farmers, ranchers, city leaders, state officials and government agencies. This program premieres Saturday, December 8, 2001 at 1:00 PM Eastern, 12:00 PM Central, 11:00PM Mountain and 10:00PM Pacific Time, and will air again in syndication. For station information or to order a VHS copy of the program, call ITV at 1-888-380-6500, or visit <http://www.itvisus.com> on the Internet.

## Your Chapter Needs You!

Tom Lambert, Bylaws and Nominations Committee Chairperson

The Cal-Neva Chapter is seeking candidates to run for President-elect and Secretary for the March 2002 election. This is a great opportunity to hone your planning and leadership skills as well as provide a valuable service to the Chapter and AFS. Previous EXCOMM experience is desirable but not necessary. The candidate who becomes President-elect will help organize the 2003 annual meeting of the Western Division, AFS, which will be held jointly with the Cal-Neva Chapter, in San Diego in April 2003. The successful candidate for Secretary will keep the official Chapter records during their two-year term. Members interested in running for either office should immediately contact Tom Lambert at (707) 829-7882 or by e-mail at [lambert5@pacbell.net](mailto:lambert5@pacbell.net).

## Draft Guidance Released on Wetlands and Non Point Source Pollution

11/6/01. EPA has put up a draft guidance which is intended to provide technical assistance to State, local, and tribal program managers and others on the best available, economically achievable means of reducing nonpoint source pollution of surface and ground water through the protection and restoration of wetlands and riparian areas, as well as through the implementation of vegetated treatment systems. The deadline for comments is February 4, 2002. Comments may be sent to Christopher Solloway of EPA's Nonpoint Source Control Branch at [solloway.chris@epa.gov](mailto:solloway.chris@epa.gov) For additional information visit <http://www.epa.gov/owow/nps/wetmeasures>

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## Security Concerns

Librarians fear censorship as U.S. restricts records on water system

San Jose Mercury News - 12/6/01

By John Woolfolk, staff writer

A recent federal order for libraries to destroy copies of a public water supply database is raising new concerns about how far authorities will go to restrict information in the name of national security.

Critics say ordering libraries to destroy public records goes beyond controversial efforts to purge sensitive information from government Web sites and raises the specter of boundless censorship. "It is very troublesome," said Prue Adler, associate executive director of the Association of Research Libraries. "It's not a direction libraries are comfortable with." There were no reports of librarians refusing the order, but it has drawn protest from coast to coast. "As a librarian, I feel we should have freedom of information," said San Jose State University librarian Sue Kendall, who grudgingly cut up the school's copy of the CD-ROM database. "That's what makes our country great."

At issue is an obscure electronic database, "Source-Area Characteristics of Large Public Surface-Water Supplies in the Conterminous United States," issued by the U.S. Geological Survey in 1999. As part of a move to "scrub" government Web sites for sensitive information in light of the Sept. 11 terrorist attacks, the USGS decided the CDs also posed a security threat. Federal officials on Oct. 12 ordered all 335 libraries nationwide that received the discs "to destroy all copies."

"Librarians whose job is to make information public certainly questioned that," said Francis Buckley Jr., superintendent of documents at the government printing office, who issued the order. "But documents we send out are still the property of the government, and if we ask for a document to be withdrawn, it should be." The government occasionally recalls publications when they are found to contain errors or become outdated, but Buckley couldn't recall any pulled for security reasons.

USGS hydrologist Glenn Patterson said the CD was compiled to help those researching improvements in water supply safety, but it also could help terrorists. While it contained no analysis of vulnerable points of the system, it

documented locations of such critical infrastructure as intake pipes, Patterson said. The USGS may later issue a more limited version, he said. "Sometimes, we have to recognize that there's a security interest in being more restrictive," Patterson said.

No one knew of any researcher whose work was jeopardized by the order, but librarians and others cited a host of concerns. Because authorities haven't specified what constitutes a security threat, there is a worry more orders will follow. "I think the concern is what else the government would want us to return," said John Creaser, who oversees the University of California-Berkeley's earth sciences and map library. Others question the threat posed by the CD, which seemed to contain no real secrets but merely compiled information already published by others. What's more, the order may not be fully effective.

Authorities conceded there's no guarantee bootlegged copies of the CD aren't still out there. "This just a cosmetic answer to a very difficult situation," Kendall said.

## San Francisco Airport Considering 900 Acres of Bay Fill for Expansion

Officials at the San Francisco International Airport are seeking to create marshland and expand wildlife habitat adjacent to the 16,500-acre San Pablo National Wildlife Refuge, reports the Alameda County Newspaper (12/5/01). The restoration of about 1,100 acres of marsh would take place on the 4,300-acre Skaggs Island in Sonoma County. According to the newspaper, the nine-year, \$9.4 million dollar marshland creation project would inundate

thousands of acres of farmland, increase fish and wildlife habitat, and complement the habitat of the nearby Refuge. In return, airport officials may want to fill in as much as 900 acres of the Bay for new runways. Save the Bay, a local environmental group, expressed concerns and charge that the mitigation plan is premature. To read the complete article and other clippings on the topic visit <http://www.aswm.org/011220a.htm>

## Trout Unlimited Applauds Introduction Of Pacific Salmon Recovery Act

[Trout Unlimited press release] 12/13/01 — Portland, OR — Officials with Trout Unlimited, the nation's leading trout and salmon conservation organization, today applauded the introduction by Sen. Barbara Boxer (D-Calif.) of

legislation intended to fund salmon recovery along the Pacific coast and inland to Idaho. The “Pacific Salmon Recovery Act,” co-sponsored by Sens. Craig (R-Idaho), Crapo (R-Idaho), Feinstein (D-Calif.), Smith (R-Ore.) and Wyden (D-Ore.) would fund a truer representation of the Pacific salmon’s historical habitat by including river drainages in Idaho - excluded from previous Pacific salmon funding bills. Only the coastal states of Alaska, Washington, Oregon and California had been eligible for Pacific salmon recovery funding bills in the past. The Pacific salmon’s historical range takes them well into the Snake River basin into central Idaho. Once passed, the Pacific Salmon Recovery Act could authorize \$350 million in funding. To view the full text of the bill [S.1825] visit <http://thomas.loc.gov/cgi-bin/bdquery/z?d107:s.01825>:

### Oregon Coast Coho Again Protected

[Earth Justice press release] 12/14/01. San Francisco, CA— The Ninth Circuit Court of Appeals today issued a decision reinstating federal protection for Oregon coast coho salmon. The decision stays a September district court ruling that stripped Oregon coast coho of legal protections, and it will halt federal timber sales that are currently harming salmon spawning streams. For the complete article visit <http://www.earthjustice.org/news/display.html?ID=278>

### Request for Proposals

The NFWF Five Star Restoration Challenge Grant Request for Proposals is now accepting proposals for small scale community-based restoration grants. The closing date is **March 1, 2002**. This grant program is funded in part by the NOAA Community-Based Restoration Program and EPA. The RFP, the application, and a 5-star fact sheet may be downloaded from our website [www.nmfs.noaa.gov/habitat/restoration](http://www.nmfs.noaa.gov/habitat/restoration) or from the NFWF website [http://www.nfwf.org/programs/grant\\_apply.htm](http://www.nfwf.org/programs/grant_apply.htm).

### AIFRB Agrees to Judge Student Papers and Posters at the Annual Meeting

Tom Keegan, Director of the Northern District of AIFRB (American Institute of Fishery Research Biologists) has confirmed that AIFRB will again organize the judging of student papers at the upcoming AFS Cal-Neva Chapter meeting. Last year a total of 16 people judged at least three papers each. There was a core of about 4 people who collectively judged all the student papers. Prizes are: \$100 for best paper; \$100 for best poster; and \$50 for runner up to best paper. According to Tom, “It is quite an effort, though an important one, and one that we enjoy doing.” If you are interested in helping with the judging, please contact: Tom Keegan ([TKeegan@ecorpc consulting.com](mailto:TKeegan@ecorpc consulting.com)).

### Aquaculture Conferences

January 27 - 30, 2002—Aquaculture America 2002, Town & Country Hotel, San Diego, California. The national annual conference and exposition of the U.S. Chapter of the World Aquaculture Society, the National Aquaculture Association and the U.S. Aquaculture Suppliers Association. Visit [www.was.org](http://www.was.org) to register online, or contact Aquaculture America 2002, Conference Management, 2423 Fallbrook Place, Escondido, CA USA 92027. Tel: (760) 432-4270. Fax: (760) 432-4275. Email: [worldaqua@aol.com](mailto:worldaqua@aol.com).

February 11 - 15, 2002—Ocean Sciences 2002, “Mariculture and its Impacts on the Marine Environment: What We Know and What We Don’t”, Honolulu, Hawaii. Contact Dror Angel, AGU Meetings Department. Tel: (202) 462-6900, or toll-free 1-800-966-2481. Email: [meetinginfo@agu.org](mailto:meetinginfo@agu.org). Website: [www.agu.org/meetings/os02top.html](http://www.agu.org/meetings/os02top.html).

February 12 - 14, 2002—Summit on Aquaculture and Communications: Water Farming and the World’s Food Future. The Oldways Preservation and Exchange Trust Water Farming Initiative Project in association with National Fisheries Institute and National Aquaculture Association. Renaissance Harbor Place Hotel, Baltimore, Maryland. Call Annie Bonney (617) 896-4866, web: [www.oldwayspt.org](http://www.oldwayspt.org) Program: [www.oldwayspt.org/wf/wfprog.html](http://www.oldwayspt.org/wf/wfprog.html).

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## Attention AFS Section Presidents

Please share the following information on the Hutton Program with your members: Recruiting of students and mentors is underway for the 2002 Hutton Junior Fisheries Biology Program. The program is designed primarily to develop interest in the fisheries profession among underrepresented minorities and women and provides high school students with a professional mentor and a summer-long, hands-on experience in fisheries science. A scholarship of up to \$3,000 is provided to students accepted into the program. The deadline for mentor and student applications is March 1, 2002. More information and application materials are available on the AFS website at: [www.fisheries.org/Hutton.shtml](http://www.fisheries.org/Hutton.shtml). If you have any questions about the Hutton Program, contact Jan Lubeck at 301/897-8616, ext. 206 or by email to [jlubeck@fisheries.org](mailto:jlubeck@fisheries.org).

## Membership Committee Activities

The Chapter closed 2001 with 481 members. Membership continues to be dominated by California as it has 450 of the 481 members and Nevada only 17. Hopefully, our annual meeting in Tahoe City will promote increased participation from Nevada. So what about the other 14 members, you ask? Well, they are from Washington (4), Oregon (3), Utah (2), and one each from Colorado, Connecticut, Kentucky, Massachusetts, and Montana! These membership statistics reflect a significant revision of our membership database in which we removed a large number of inactive accounts and also updated contact information. Coming soon is an e-mail list which will be used solely by the Executive Committee to communicate information directly relevant to the Chapter to the membership in a timely manner (e.g. annual meeting time and place announcements). To maintain the list as a meaningful tool and to keep it from becoming another e-mail nuisance, it will not be a bulletin board for members to post information! Every Chapter member that has provided an e-mail address with their application will be automatically added to the list. The list is sponsored and will be housed by the parent AFS society in Bethesda, Maryland.

## Volunteers Needed for the Annual Meeting

The annual meeting will be here before you know it and once again we will need an army of volunteers to help stage the event. Student volunteers can earn reduced or even

waived registration fees for working at the meeting. This has always been an excellent opportunity for students to attend the meeting at little or no cost and to meet new people. Working two hours waives the symposium fee (Thursday), working four hours waives the annual meeting fee (Friday and Saturday), and working six hours waives fees for the entire conference! Contact Fred Feyrer ([ffeyrer@water.ca.gov](mailto:ffeyrer@water.ca.gov), 916-227-2552) if you are interested in volunteering.

## Raffle Prizes Needed

The Chapter Annual Meeting on April 18-20, 2002, is rapidly approaching and donations for raffle prizes are needed! In past years, raffles during the banquet have been one of the meeting highlights. Not only are they fun and exciting, but are great for raising funds for Chapter activities. If you have any good ideas for raffle prize donations or ones that we can purchase at a discount, please contact our raffle chairman, Nick Villa, at [Nvilla@dfg.ca.gov](mailto:Nvilla@dfg.ca.gov) or (916) 651-6744. We are going back to the good old days with the return of the raffle tag team champions, Villa and Pickard!

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**MINUTES of the EXECUTIVE COMMITTEE  
MEETING  
CALIFORNIA-NEVADA CHAPTER, AMERICAN  
FISHERIES SOCIETY**

Blue Frog Grog & Grill, Fairfield. December 18, 201,  
6:30 p.m.

Attendees: Larry Bown (President), Chuck Knutson (President-elect), Amy Harris (Treasurer), Fred Feyrer (Membership), Dan Logan (Policy & Resolutions), Tom Lambert (Nominations & Bylaws), Kathy Hieb (Continuing Education), Dave Manning (Time & Place), Pat Coulston (Awards), Sharon Shiba (T-shirt Sales), Martin Koenig (Cal-Neva Student Subunit President).

Call to Order: Larry Brown called the meeting to order at 6:40 p.m.

Verification of Quorum: A quorum was present.

President's Report: Larry Brown.

1. New EXCOMM member - Larry welcomed Tom Lambert as the new Nominations & By-laws Chair.

2. Northern pike - Larry tried unsuccessfully to contact Diana Jacobs. Larry is leaving on vacation and asked Dan Logan to contact Ted Frink and Elise Holland to make sure that Diana is contacted about pike and a meeting between CDFG and the Chapter.

3. Save the Bay Committee - Cynthia Kohler (through Dennis McEwan) asked Cal-Neva to endorse the Save the Bay study titled "Putting it Back Together." Details are available at [www.saveSFBay.org](http://www.saveSFBay.org). Because the study involves primarily policy approaches to achieving restoration rather than technical issues, Larry recommended that the Chapter not endorse the Save the Bay proposal at this time.

4. Green sturgeon - The National Marine Fisheries Service (NMFS) has accepted a petition to list green sturgeon under the Federal Endangered Species Act. Larry asked Dan Logan to write an article for *Pisces* describing the process that NMFS undertakes during the listing process, and directing interested Chapter members to the

listing proposal and forthcoming status review.

5. Keynote speaker for annual meeting - Charles Goldman accepted the Chapter's request to serve as keynote speaker for the annual meeting. The Chapter will waive lodging, registration, and meal fees for Goldman for his service. However, the Chapter will not provide an honorarium.

**President Elect's Report:** Chuck Knutson

1. Annual meeting call for papers - The first call for papers appeared in the November issue of *Pisces*. A second call will appear in the January issue.

2. Annual meeting session titles - Chuck will encourage each session chair to submit titles early.

3. Annual meeting speakers' reception - Bill Sommer (CDFG) suggested a speakers' reception at the annual meeting. After discussion, the EXCOMM reached a consensus decision that a speakers' reception would duplicate the Chapter social; therefore, the Chapter should not have a separate speakers' reception.

4. Annual meeting vendors - The vendors process is underway and going smoothly. The Chapter will waive meal expenses, including the banquet, for one person from each vendor. For additional persons from any vendor, the Chapter will charge normal rates. Gary Smith (CDFG) should appear on the vendor recruitment announcement. Chuck will send the vendor recruitment announcement to Dave Manning for review.

5. Annual meeting registrar - Judy Urrutia (CDFG) will handle registration for the annual meeting. The Chapter will waive all registration, lodging, and meal fees for Judy. If Judy has assistants, the the Chapter will waive registration fees for those assistants.

6. Annual meeting program - Jim Orsi will lay out and print the program for the annual meeting. Chris Dewees wants to submit artwork for the program cover.

7. Annual meeting raffle - Nick Villa will organize the raffle at the annual meeting. Larry Brown

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requests that Chuck write a note for *Pisces* requesting donations of raffle prizes.

8. Annual meeting facility - chuck Knutson will meet with David manning at Granlibakken Resort to see the facility.

9. State of California employee participation in annual meeting - Budgets for most state agencies are tight this year and funding for travel or education may be reduced. Therefore, attendance may be down this year.

10. Officers for EXCOMM for 2002-2004 - Jim Steele will run for Secretary and Paul Kubichek will consider running for a "small" office.

Past-President's Report: Elise Holland was absent.

Treasurer's Report: Amy Harris

1. Annual meeting registration form - Amy handed out a draft of the registration form for the 2002 annual meeting. She asked for input on format and numbers.

2. Annual meeting registration fees - with one change, registratio fees will cost the same as last year. The change is that the Chapter will now offer retired participants a 50% discount on registration. Registration fees will include meals but not lodging. Also, on-site regisstrants will miss dinner the night they register; however, all other meals will be included. The Chapter will not discount registration fees for missed meals.

3. 2002 budget - Amy sent out an e-mail message asking EXCOMM members to review proposed budgets for their relevant committes or positions. Few members have responded. Amy requested that EXCOMM members review her proposed budget and submit comments to her.

4. Reimbursement for meals for Chapter business - Amy has received questions about the amount of money the Chapter will reimburse EXCOMM members for meals during Chapter business.

5. Motion: Larry Brown moved that the Chapter

establish a standard meal per diem of \$45 - unless receipts are submitted for additonal fees.

Second: Amy Harris seconded the motion.

Vote: Passed unanimously.

6. Year 2001 taxes - Amy will contact the accountant to insure timely completion of tax forms.

Secretary's Report: Mike Saiki was absent.

Pisces: Jim Orsi was absent.

Finance: Wayne Lifton was absent.

Policy and Resolutions: Dan Logan

1. Northern pike - Dan had a phone conversation with Ted Frink and Frink has offered to lead the Chapter's effort to respond to northern pike concerns. Frink and Logan were to meet tonight (12/18/01) at 5 p.m. to discuss the issue and to formulate a plan to address the desires of the Chapter for some resolution. However, Frink did not show. Logan will reschedule a meeting with Frink before mid-January.

2. Larry Brown asked Logan to contact Frink and Elise Holland via e-mail and to encourage Frink and Holland to contact Diana Jacobs (CDFG) to arragne ameeing between CDFG and the Chapter to discuss the eradication of northrn pike from California.

3. Diana Jacobs (Science Advisor to CDFG Director), through Elise Holland, has asked for the Chapter's participation in meetings in Portola. Larry Brown said that he would contact Michael Marchett, Chico State University, to see if he is interested in representing the Chapter.

Nominations/Bylaws: Tom Lambert had nothing to report.

Membership: Fred Feyrer

1. Chapter membership e-mail list - Fred will update the list soon.

2. Benefits of membership - Fred will disstribute information on AFS membership benefits to

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EXCOMM members for recruiting purposes.

3. National AFS award for recruiting - Kathy Hieb won an award from national AFS for recruiting new members.

4. Encourage coworkers to join AFS and Chapter - Fred suggested we make a personal appeal to coworkers to join AFS and the Chapter.

Continuing Education: Kathy Hieb

1. Year 2001 activities - Five classes undertaken this year; four stream bioassessments courses and one biostatistics course.

a. Net for biostatistics course - \$3400.

b. Net for bioassessment course - 10% of tuition fees - total not available yet.

2. Upcoming courses - stream modeling, stream bioassessment, introductory biostatistics, intermediate biostatistics, and aquatic telemetry (at Granlkbakken the day before the annual meeting). Kathy will place a request in *Pisces* asking for input on additional courses.

FIN: Robert Blizzard was absent.

Conservation: Ted Frink was absent.

Time and Place: Dave Manning

1. Location of 2003 annual meeting - in conjunction with Western Division AFS - David Manning will meet with Tom McMahon (Western Division President-elect) in San Diego during Dec. 26-28 to tour motels, conference centers, restaurants, and other facilities.

a. Hyatt Hotel has offered 100 rooms at the federal per diem rate and 200 additional rooms at the federal per diem rate plus \$29.

b. April is the likely month - not during Spring Break though.

2. Splits with Western Division at 2003 meeting - On a regularly scheduled monthly conference call, Larry Brown and Tom McMahon will discuss splits of money, conference facilities, arrangement responsibilities, and program development for the 2003 joint meeting.

Awards: Pat Coulston

1. 2001 recipients - Pat has received limited response to his request in *Pisces* for nominations.  
a. No nominees for Conservation Award and only 1 nominee for Professional Achievement Award.

b. Pat will try to garner Nevada nominees - a closer tie into the meeting location.

c. Pat will have nominee bios for the January EXCOMM meeting.

2. Motion: Pat moved that the Chapter pay for the banquet, one night of lodging, and meeting registration for winners of the Conservation Award.

a. Second: Larry Brown seconded the motion.

b. Vote: Passed unanimously.

T-Shirt sales: Sharon Shiba

1. Annual meeting give-aways - Sharon distributed a handout illustrating some promotional mugs that could be used as give-aways. The cost depends upon style and number purchased. Sharon will contact the supplier to get an estimate for mugs to include a variety of California native fish. If the total cost is relatively high, the registration fees may have to be increased to cover the cost of giving away the mugs.

2. Polarfleece vests - Sharon showed an example of a Polarfleece vest that the Chapter could sell as a fund-raising activity. The cost through Lands End, would be about \$40 for the vest, \$5-6 for embroidery, and a variable set-up fee. Discounts are available for orders over \$1000. The retail cost would be relatively high.

3. T-shirts - Sharon will review the Chris Van Dyck's illustrations from *Inland Fishes fo California* and make a recommendation to the EXCOMM for use on futre t-shirts.

Cal-Neva Student Subunit: Martin Koenig

1. Field activity - Subchapter members will be participating in a research project on Putah Creek in January or February. They want to

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search for evidence of spawning salmon.

2. Presentation for January 2002 meeting - Levee breaching and its effect on native fish.

New Business: None.

Old Business:

1. Student scholarships - Fred Feyrer will submit ideas to the EXCOMM.

2. End of year finances - Kathey Hieb said that the Chapter may have too much money on the books at the end of the fiscal year.

a. Ideas to spend down surplus money include i) offering additional scholarships, ii) supplementing Chapter member cost for the second edition of *Inland Fishes of California*, iii) offer research grants, or iv) offer a one-day symposium on a relevant topic at no cost to Chapter members.

b. Larry Brown requested that EXCOMM members bring ideas for spending down surplus money to the next EXCOMM meeting.

Future Meetings: The next EXCOMM meeting was scheduled for Tuesday, January 15, 2002, at 6:30 p.m. The scheduled meeting place is the Blue Frog Bar & Grill in Fairfield.

Larry Brown adjourned the meeting at 8:33 p.m.

Submitted by: Mike Saiki (from meeting notes taken by Dan Logan).

**American Fisheries Society- California Nevada Chapter**  
**36<sup>th</sup> Annual Meeting and Symposium**  
**"Human Impacts on Aquatic Resources"**  
 April 18, 19, 20, 2002  
 Granlibakken Conference Center, Tahoe City, California



**Registration Form**

**Name:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**City** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

Pre-registration **MUST** be postmarked by March 15. Registration after March 15 will be accepted on-site, according to the rates shown below. Registration for the symposium and/or the annual meeting includes the purchase of a meal package. Payment can be made by check (payable to Cal-Neva AFS) or credit card (no purchase orders).

	<b>Symposium: Thursday, April 18</b>		<b>Annual Meeting: Friday, April 19 and Saturday, April 20</b>	
	Postmarked by March 15:	On-site Registration:	Postmarked by March 15:	On-site Registration:
<b>Member*</b>	\$105	\$130	\$195	\$245
<b>Non-member</b>	\$130	\$155	\$220	\$270
<b>Student</b>	\$50	\$75	\$80	\$130
<b>Retired</b>	\$70	\$95	\$130	\$180

These rates include the registration cost and the meal packages (\$40 for symposium, \$70 for annual meeting). Registration for the symposium includes the following meals: Wednesday dinner, Thursday breakfast and lunch. Registration for the annual meeting includes the following meals: Thursday dinner, Friday breakfast and lunch, Friday banquet, Saturday breakfast.

*\*Member discounts are for members of both National and Cal-Neva AFS.*

**Symposium Subtotal** \$ \_\_\_\_\_  
**Annual Meeting Subtotal** \$ \_\_\_\_\_  
**Annual Chapter Dues (\$10.00)** \$ \_\_\_\_\_  
 (If not paid through National membership)  
**Total Amount Enclosed** \$ \_\_\_\_\_

Mail completed form and fees to: Judy Urrutia, 1892 Rutherford Rd, Gridley, CA 95248.  
 (916) 653-5686. [Jurrutia@dfg.ca.gov](mailto:Jurrutia@dfg.ca.gov)

Credit Card Information:

Name (as it appears on the card): \_\_\_\_\_

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Credit Card Type (VISA / MC): \_\_\_\_\_ Credit Card Number: \_\_\_\_\_  
Expiration Date: \_\_\_\_\_ Amount: \_\_\_\_\_ Signature: \_\_\_\_\_

Refund Policy: 80% refund if notified by email (Jurrutia@dfg.ca.gov) by March 20. After March 20, refunds will be given for hardship cases only, at the discretion of the meeting chair.

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# 2000–2001 Cal-Neva Chapter Executive Committee

## Chapter Officers

President	Larry Brown	lrbrown@usgs.gov	(916) 278-3098
President-elect	Chuck Knutson	cknutson@dfg.ca.gov	
Past President	Elise Holland	Elise.Holland@tpl.org	(415) 495-5660
Treasurer	Amy Harris	amyh@scwa.ca.gov	(707) 547-1958
Secretary	Michael Saiki	michael_saiki@usgs.gov	(707) 678-0682 ext. 617

## Committee Chairs

Membership	Fred Feyrer	ffeyrer@water.ca.gov	(916) 227-2552
Finance	Wayne Lifton	wlifton@entrix.com	(925) 935-9920
Bylaws and Nominations	Tom Lambert	lambert5@pacbell.net	
Conservation	Ted Frink	tfrink@water.ca.gov	(916) 327-1648
Fisheries Information Network	Robert Blizard	Robert_Blizard@dot.ca.gov	(510) 286-6238
Continuing Education	Kathy Hieb	khieb@delta.dfg.ca.gov	(209) 942-6078
Awards	Pat Coulston	pcoulsto@dfg.ca.gov	(831) 649-2882
Policy and Resolutions	Dan Logan	dan.logan@noaa.gov	(707) 575-6053
Time and Place	Dave Manning	swcafish@eudoramail.com	(707) 547-1988
Sacramento-Davis Subunit	Martin Koenig	mkoenig@ucdavis.edu	
Newsletter Editor	Jim Orsi	jjorsi@aol.com	

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