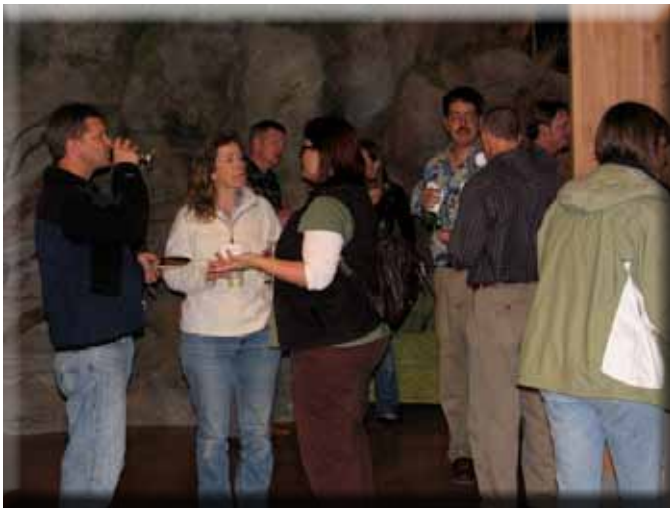




# PISCES

Volume 39, Number 3, Late Fall 2010



## President’s Message: We Can’t Do It Without You.

*Mark Gard, Chapter President*

I begin my president’s message by paraphrasing President John F. Kennedy, “it’s not what your chapter can do for you, it’s what you can do for your chapter.”

Our chapter is successful through the volunteer efforts of our membership. I would like to thank all of the chapter members that have stepped up over the years as members of the executive committee, members of the planning committees, chairs of technical

sessions, presenters of posters and oral presentations, and last but not least, all of the members that attend our annual chapter meetings. But we still need more help. We’re looking for folks to step up to be the chairs of the conservation, membership and bylaws & nominations committees. I would like to thanks Chuck Knutson and Tom Lambert who have been chairing the conservation and bylaws & nominations committees for many years, but now it’s time for others to step up and take on these responsibilities. And you may ask what do these committees do?

The Conservation Committee reviews fisheries legislation, issues and environmental recommendations and policies of the Society and other organizations. This Committee submits review statements as verbal testimony, written or electronic comment letters, letters to editors of newspapers or position statements on aquatic environmental issues with suggested actions for approval and signature by majority

## *Inside this Issue*

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vote of the Executive Committee or by majority vote of the Chapter membership at the next general membership meeting. The Conservation Committee Chair represents the Committee on the Chapter's Executive Committee and regularly provides updated information for inclusion on the Chapter website, write Committee articles for publication in Pisces and serve as the Chapter representative on the Environmental Concerns Committee of the WDAFS.

The Bylaws and Nominations Committee submits to the Executive Committee a slate of candidates for specific Chapter offices. The names of at least two Full Members are submitted for each office to be elected. The nominations and a short biographical sketch of each nominee are circulated to the general membership at least 30 days before the general membership meeting. Additional nominations may be placed on the Bylaws and Nominations Committee's slate upon the signature approval of five Chapter members, provided prior approval of the nominee has been obtained. Such additional nominations must be submitted to the Bylaws and Nominations Committee at least 60 days before the general membership meeting. The Bylaws and Nominations Committee periodically reviews the Chapter Bylaws and presents them to the Executive Committee for approval at least 60 days before the general membership meeting.

The Membership Committee promotes and expands Chapter membership by identifying and implementing efforts to increase the enrollment of new Chapter members, creating and carrying out recruitment actions or projects and assisting other AFS recruitment efforts when possible. To maintain a current Chapter membership roster the Membership Committee manages the Chapter list server, moderates all messages submitted for posting through the list server, grants full posting rights to certain Chapter elected officers, and configures the Chapter list server on start up.

If conservation, membership and bylaws & nominations committee chair positions sound like something you would be interested in you can contact me directly now or at the annual meeting in Folsom. See you all March 31 – April 2 at the Lake Natoma Inn, and I look forward to a highly attended and valuable meeting! Registration information can be found at the CalNeva website <http://www.afs-calneva.org/>



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## **New Officer Officially Joins Executive Committee**



**Mike Saiki** [saikifish@att.net](mailto:saikifish@att.net)  
**President-Elect**

*Mike has been a member of the American Fisheries Society since 1975. Mike earned a Ph.D. from the University of Arizona where he conducted graduate research on fishes in a mitigation backwater along the Lower Colorado River. After graduation, Mike accepted a position as a fishery biologist with the USFWS Fish-Pesticide Research Laboratory at their Research Field Unit in Dixon, California, where he investigated environmental contaminants associated with agricultural drainwater and acid-mine drainage. Even though Mike has remained in Dixon his entire federal career, which now spans more than three decades, organizational changes have allowed him to work for two other research centers. Mike's current affiliation is with the USGS Western Fisheries Research Center at their Dixon Duty*

*Station. Although still involved with investigations on contaminants such as heavy metals and selenium, his research interests have expanded to include life history and ecological studies of native species such as the Santa Ana sucker, the desert pupfish, and the California freshwater shrimp. Mike recently completed work on fish-use of former salt ponds that are undergoing restoration in San Francisco Bay.*



## California-Nevada Chapter, American Fisheries Society

October 5, 2010

Mr. James Marshall, PE  
California Regional Water Quality Control Board –  
Central Valley Region  
11020 Sun Center Drive, # 200  
Rancho Cordova, CA 95670 – 6114

Subject: Renewal of NPDES Permit CA0077682 for Sacramento Regional County Sanitation District's Sacramento Regional Wastewater Treatment Plant

Dear Mr. Marshall:

I am writing on behalf of the California-Nevada Chapter of the American Fisheries Society (AFS). The American Fisheries Society, founded in 1870, is the oldest and largest professional fishery organization in North America. Our membership includes biologists, aquaculturists, academics, consultants, and others committed to science-based fisheries management and conservation. The Chapter consists of 425 members from California, Nevada and other states. AFS has an international reputation as the premier science-based organization dealing with fisheries, and collectively we speak for this resource at every level of government. Because the AFS relies on peer-reviewed science, the public at large knows that when AFS makes a presentation on any particular issue there is no hidden political agenda; our focus is on what is best for the resource. An important aspect of our mission is to promote progress toward sustainable aquatic ecosystems and thus, fisheries. We support protecting fishery resources and their habitat for future generations to enjoy.

The California-Nevada Chapter of the American Fisheries Society (AFS) submits these comments on the tentative NPDES Permit (NPDES Permit No. CA0077682) renewal package for the Sacramento Regional County Sanitation District's (SRCSD) Sacramento Regional Wastewater Treatment Plant (SRWTP), issued September 3, 2010. AFS is concerned about fish and wildlife resources that could be negatively affected by implementation of the final NPDES permit for SRWTP.

The SRWTP provides wastewater treatment service to the Cities of Sacramento, Folsom, West Sacramento and the Sacramento Area Sewer District. The Sacramento Area Sewer District service area includes the Cities of Elk Grove, Rancho Cordova, Citrus Heights, as well as portions of unincorporated areas of Sacramento County. The population served is approximately 1.3 million people. The SRWTP discharges to the Sacramento River just downstream of the Freeport Bridge via an outfall diffuser. Although the current average dry weather flow is approximately 141 mgd, the SRWTP has a design capacity of 181 mgd, and had proposed to expand the treatment plant capacity to 218 mgd but withdrew its request in June 2010.

The Sacramento River at Freeport is within the designated critical habitat for five federally listed fish species, including winter-run and spring-run Chinook salmon (*Oncorhynchus tshawytscha*), steelhead (*O. mykiss*), delta smelt (*Hypomesus transpacificus*), and green sturgeon (*Acipenser medirostris*). Our comments focus on potential negative effects the permit could have on fish and wildlife, particularly the decline of pelagic organisms (a.k.a. POD) in the Sacramento-San Joaquin Delta.

AFS recommends that acute and chronic water quality criteria for most toxicants be met at the discharge point and that acute and chronic mixing zones not be permitted, particularly for ammonia. Recent studies suggest that the form and quantity of anthropogenic nitrogen are concerns for the health of the Delta. The SRWTP discharges approximately 14 tons of ammonia daily to the Sacramento River. Although there is little evidence of current ammonia-caused acute or chronic toxicity to fish, low levels of ammonia can inhibit nitrate uptake and possibly reduce spring algal blooms in the Delta. If production and standing

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biomass of diatoms are reduced in Suisun Bay, energy availability at the base of the Delta food web would also be reduced. According to some experts, nitrogen levels in the Delta now favor blue-green algae and flagellates, and still other experts have shown that the algal community in the Delta has already changed from primarily diatoms to mostly flagellates and blue-green algae.

Because of the large design capacity for discharge (181 mgd) and the probable negative effects from ammonia on ecology of the Sacramento-San Joaquin Delta, AFS supports the need for tertiary (nitrification, denitrification, and filtration) treatment for the SRCSD SRWTP. Other POTWs with less discharge and impact potential already incorporate tertiary treatment. Tertiary treatment will reduce or remove ammonia, reduce the oxygen demand of the effluent, reduce nitrosoamines, reduce nitrate, and reduce total organic carbon, copper, mercury, phosphorus, and TSS.

These improvements to the SRWTP effluent stream will require significant upgrades. It is reasonable to expect these upgrades to take 10 years to complete.

Consistent with your request, our comments are summarized in the attached table. We appreciate the opportunity to comment on this tentative NPDES Permit renewal package. We look forward to the opportunity to comment on future actions associated with this permit. If you have any questions or comments about this letter, please contact Chuck Knutson at (916) 441-4414.

Sincerely,

Mark Gard, President  
California-Nevada Chapter  
American Fisheries Society

Attachment

## **Conservation Committee Report**

by Chuck Knutson, Conservation Committee Chair

The letter attached above is the final letter regarding Sacramento's wastewater discharge that was sent to the regional water quality board from our chapter. Brian Finlayson stepped up with much needed input in this process. Below is the contents of an email by which I initiated this process which provides some background to the issue.

*It seems important that the Chapter analyze and comment on this new draft permit for the Sacramento regional sewage discharge, as the proposed new terms may have important implications for the future of the Delta ecosystem.*

*Because of its long length, you may have to copy and paste the complete website address for the Sacramento Bee article before hitting the return key.*

<http://www.sacbee.com/2010/09/04/3005002/state-board-wants-sacramento-to.html>

*Does anyone, especially one who has a strong water quality background, in the Chapter leadership want to help on this project? We have about a month to comment, so we should start right away.*

*Chuck Knutson, Chair*

*Cal-Neva Chapter Conservation Committee*

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## AMERICAN FISHERIES SOCIETY



### FISHERIES RESEARCH AND MANAGEMENT FOR A CHANGING WORLD—THE IMPORTANCE OF INNOVATION, ADAPTATION, AND PARTNERSHIPS

45<sup>th</sup> Annual Conference of the California-Nevada Chapter  
March 31-April 2, 2011  
Lake Natoma Inn, Folsom, California

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#### FIRST CALL FOR PAPERS AND POSTERS

##### **Conference Background**

The theme of the 45<sup>th</sup> Annual Conference of the California-Nevada Chapter of the American Fisheries Society, “Fisheries Research and Management for a Changing World—The Importance of Innovation, Adaptation, and Partnerships,” is intended to focus on challenges created by new and existing threats to aquatic ecosystems (including invasive species, habitat degradation and loss, over-exploitation, etc.), the reality of global climate change and its predicted long-term environmental consequences, and our currently grim economic outlook, that directly or indirectly affect fishery resources in California, Nevada, and elsewhere, and our ability to manage them. This call for papers seeks oral and poster contributions relevant to the conference theme on topics such as the following: Anadromous and Estuarine Fishes; Desert and Other Inland Fishes; Fish Culture, Health, and Genetics; Habitat Restoration and Water Quality; Marine Fishes; and Native/Nonnative Fish Interactions. In addition, oral presentations are needed for a special one-day symposium on Bioengineering and related issues.

##### **Abstract Submission**

Abstracts are due February 1, 2011. Abstract submission must include:

1. Type of presentation preferred (oral or poster);
2. Topic area from above list, or suggest topic;
3. Title, in upper/lower case type using as few words as possible;
4. Author(s) name(s) as they should appear in the abstract book, full affiliation and mailing address, and phone, fax, and email address;
5. Name of presenter and contact person if different from first author;
6. Text of abstract in 300 words or less; and
7. **Important:** Write “Cal-Neva AFS Abstract” in subject line of email.

Please email abstracts to: Mike Saiki, President-Elect, Cal-Neva AFS, at [saikifish@att.net](mailto:saikifish@att.net).

## 45th Annual CalNeva Conference Registration - now online

March 31-April 2, 2011

Theme: Fisheries Research And Management For A Changing World—  
The Importance Of Innovation, Adaptation, And Partnerships

### Conference Registration

	<u>Early</u>	<u>Late</u>
Member	\$175	\$200
Non-member	\$200	\$250
Student	\$35	\$50
Retired AFS member	\$75	\$100
Spawning run (Apr 02, 2011)	\$25	

### Symposia and Continuing Education

Bioengineering Symposium (3/31 AM)	\$40
Water Quality Regulation Symposium (3/31 PM)	\$40
IEP Symposium (3/31 AM and PM)	\$80
Electrofishing Continuing Education Class (3/31 AM )	\$45
Fish Monitoring / Permits Education Class (3/31 PM)	\$45

Register soon at the CalNeva website <http://www.afs-calneva.org/> - all costs increase after March 1st.

## Student Subunit Update - Sacramento - Davis

by Felipe La Luz, Secretary, Subunit Secretary

We've been quite busy out on the UC Davis Campus, with a new set of officers, exciting new projects and some great guest speakers. We are lucky to have a wide range of academic experience levels in our new group. Webmaster Brian Williamson is in charge of the Sac-Davis chapter website as well as our ventures in to social media. Look for us on Facebook. Both the Vice-President Candice Young and the secretary, myself are fourth year UCD undergraduates, Candice in Biological Sciences and I focus on WFCB with an emphasis on fisheries. The treasurer Patrick Kilduff is a second year doctoral student and the President Sarah Lesmeister is a graduate student here at UCD. This broad mix has helped us in one of our goals of creating connections between students and researchers.

Between the five of us we have been able to add some fun activities to our already exciting year. We are going to keep the classics going like our live fish display at UCD Picnic Day and the Kindergarten Outreach Fieldtrip at the end of the year. We have also added a guest lecture series to our quarterly meetings. This fall it was Dr. Nann Fangue of the UCD WFCB Dept. She led a very interactive discussion about research methods and challenges in the field of fisheries biology. While no official plans have been set, we are trying to set up an internship program for undergraduates. Our goal is to develop a program that will bring students and researchers together and to help a new generation of fisheries biologists start their careers with as much experience as possible.

We are also looking forward to meeting all of you at the Cal-Neva Annual Conference in Folsom this Spring. Please feel free to contact us via email:

[afs.davis.sacramento@gmail.com](mailto:afs.davis.sacramento@gmail.com)

Or find us on Facebook



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## Student Subunit Update - Humboldt



by: Robert Parker,  
President

HSU Student  
Sub-unit  
of the  
California-  
Nevada

It's amazing  
how rapidly

time passes while maintaining a full undergraduate schedule combined with an independent research project. This isn't even considering family obligations (both myself and Treasurer Nathan Cooley are parents) or time spent for a bit of fishing. Now that we've arrived at winter break there is a good opportunity to reflect on what we have accomplished together during the past semester as the Humboldt State University Student Sub-unit of the Cal-Neva Chapter of the American Fisheries Society, and more importantly look ahead to the future of our group.

Firstly, new officers were welcomed in at the beginning of the fall semester. Sam Matulich is our current Vice-president and, as mentioned previously, our Treasurer is Nathan Cooley. All of our officers are graduating seniors this academic year. This situation differs from previous years and as such we have tried to concentrate on broader objectives of what we can accomplish in order to leave behind a growing and active sub-unit in the long-term once we move on to our respective careers. Much of our efforts over the past semester have targeted the need to establish a more academic focus for the sub-unit and to support it through better communications and student participation. In these areas we've met with success - attendance at our bi-weekly meetings has increased, email lists have been brought current, and we established a Facebook page as principal means of sharing information. You can access this page most simply by entering "American Fisheries Society Humboldt State" in the Facebook search tool (the URL is quite lengthy). Social and networking

activities were also on our agenda. In what has now become a tradition in HSU's Fisheries Biology Department, the sub-unit hosted our annual Professor Appreciation Barbeque. The event was well attended by faculty, department staff, and students alike, providing a great opportunity for all of us to get together and socialize outside of the classroom environment.

Fundraising has also been an important concern for the sub-unit. A decision was made to try something new for the first half of the year, prompted by Heather Daniels, who has continued to be an invaluable member of our group. The sub-unit produced pub-style pint glasses, featuring our new logo. The glasses were sold out almost as quickly as they arrived, earning a nice profit. We have, as in past years, also continued to support Humboldt State's FLW Bass Fishing team. In September the team of sub-unit members Derrick Hicks and Jennifer Edgar placed 3rd in a competition held at Roosevelt Lake, Arizona. Derrick and Jennifer wrapped up the season placing 10th in the Western Regional Finals, which were held in December at Folsom Lake, California. The team donated a substantial portion of their contest winnings to the sub-unit for which we are very grateful. All of the funds raised during the fall semester will be used to support ongoing sub-unit activities and investments in future fundraising items.

Looking ahead toward the spring 2011 semester we have high hopes for building upon the foundation laid during the past months. The sub-unit will be sponsoring a student writing contest based on the 2010 AFS national contest, a first at HSU. We will be awarding a small scholarship to the winner of the contest and hope to establish this as a yearly opportunity for students to hone their writing skills and possibly earn funding important to their academic endeavors. Inherent to our mission, we plan to foment partnerships with a number of non-profit fisheries conservation organizations in our region. These collaborations will hopefully lead to volunteer opportunities for our members in areas such as hands-on restoration, monitoring, and assistance in research. The sub-unit also plans to provide at a minimum partial funding for undergraduate fisheries students to attend the upcoming 45th Annual AFS Cal-Neva Chapter conference in Folsom, California. In stressing the importance of participating in this type of event during one's academic career we anticipate substantial interest from our members in attending the conference this year. We're looking forward to seeing all of you there!

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## ***Notes from the Field***

*We want to hear from you! Send your stories, photos, essays, and opinions.*

**Guidelines:** Contributions for “Notes from the Field” should be submitted to Tim Heyne, Newsletter Editor ([theyne@dfg.ca.gov](mailto:theyne@dfg.ca.gov)), in the body of an email or as an attachment in MS Word, Word Perfect, or Portable Document Format (PDF). There is no length limit to contribution, but files should be 6 MB or *smaller*.

*Submissions for the next issue of Pisces are due by Feb 20, 2011.*

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### **Upcoming Meetings:**

**29th Annual Salmonid Restoration Conference March 23-26, 2011 in San Luis Obispo**

**45th Annual Cal-Neva Conference at Lake Natoma Inn, Folsom, California, March 31 - April 2, 2011**

**141st Annual Meeting of the AFS , September 4 – 8, 2011 ~ Seattle, WA.**

**Theme: New Frontiers in Fisheries Management and Ecology: Leading the Way in a Changing World**

### **CHAPTER SEEKS AWARD NOMINEES**

One of the highlights of the Chapter’s Annual Meeting is the presentation of awards to deserving individuals for their professional excellence and fisheries conservation efforts. Your Chapter Awards Committee is currently seeking nominees for awards to be presented at the 2011 Annual Meeting to be held at the Natomas Inn (Sacramento) March 31 – April 2. Five categories of awards are presented by the Chapter. They are:

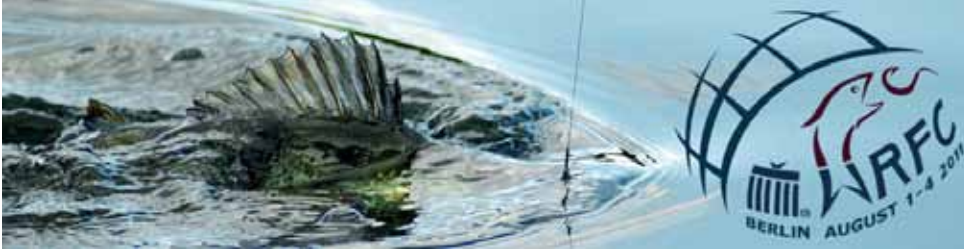
- 1) Distinguished Professional Achievement – recognizing chapter members for professional excellence in research, management, education, publication, or outstanding contributions to the profession or fisheries conservation.
- 2) Special Contribution – recognizing members and others for outstanding service to the Chapter.
- 3) Conservation Achievement – recognizing non-member individuals or groups for outstanding contributions or service to fisheries conservation.
- 4) Award of Excellence – recognizing a Chapter and Parent Society member for exemplary depth and breadth of professional achievement, combined with significant publication and/or conservation activities, and participation in Chapter activities. Nominees for this award should have achieved statewide recognition as a major authority or guiding force in California and/or Nevada fisheries management and science.
- 5) Award for Scientific Journalism – recognizing journalists whose work is particularly accurate and effective in conveying information to the public regarding fisheries science or conservation.

The Awards Committee is requesting the help of Chapter members in the task of identifying award nominees. Suggestions for award nominees should be conveyed to the Awards Committee Chairperson, Pat Coulston, by December 17, 2010. Pat can be reached by phone at (831) 227-9495, or by E-mail at [pcoulston@dfg.ca.gov](mailto:pcoulston@dfg.ca.gov). Please take this opportunity to recognize an accomplished colleague, citizen, or journalist who is active and effective in fisheries conservation or science.

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## *News Releases and Announcements*

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The 6th World Recreational Fishing Conference (WRFC) will be held at Humboldt-University Berlin from August 1 – 4, 2011 organized by the Leibniz-Institute of Freshwater Ecology and Inland Fisheries ([www.igb-berlin.de](http://www.igb-berlin.de)), Humboldt-University and the German Angler Association. The

conference theme is “Toward Resilient Recreational Fisheries”. Abstract submission is now open and you are cordially invited to submit your paper or register as a delegate without given a paper to attend this unique scientific meeting in the vibrant and culturally rich German capital during beautiful summer time of 2011.

Please circulate this First Call for Papers widely in your network and country including academia, management, NGOs and industry dealing with, or interested in, recreational fisheries science, policy and management, and consider submitting your paper to this important venue.

The WRFC is the only scientific venue world-wide bringing together scientists, managers, NGOs and policy-makers in the specific context of recreational fisheries. The conference is a standard scientific meeting with short scientific presentations and discussions in English without any translations. Key note speakers are Dr. John Post, Brad Gentner and Dr. Zeb Hogan. Please visit [www.worldrecfish.org](http://www.worldrecfish.org) to learn about our esteemed key note speakers and their lecture topics ranging from sustainability issues to economics and conservation. The proceedings of the scientific meeting are to be published after peer review in the impact factor journal *Fisheries Management and Ecology*.

High-quality abstracts from a range of scientific disciplines as well as management-oriented case studies dealing explicitly with issues in recreational fisheries are strongly encouraged to be submitted. We are particularly seeking to bring together various scientific disciplines such as fisheries biology, human dimensions, economics, anthropology and policy sciences to encourage interaction across disciplines and between science, management, industry and management practice. See [www.worldrecfish.org](http://www.worldrecfish.org) for further details, including programme content, preliminary theme sessions and contributed session topics. Please make sure to tailor your abstracts to one of the various theme and contributed session topics. We will offer sessions pending on the number of suitable abstracts received. The issues covered are broad enough to accommodate a range of topical papers and papers from both natural and social scientific perspectives.

Abstract submission is possible until March, 1, 2011 (closing deadline). You may also register preliminarily as an attendee without submitting an abstract. Early abstract submission is preferred to help in conference planning. Presentation format includes either 15 min. presentation or posters. An international scientific board will be evaluating abstract submissions and compose a preliminary programme around theme sessions and contributed sessions. Notification of abstract acceptance will be completed until April, 1, 2011.

You have to submit abstracts and register through the website [www.worldrecfish.org](http://www.worldrecfish.org). Please do not email abstracts.

Registration by payment is not needed at this stage. A personal account upon registration will be created, which can be used to finish the registration by payment (deadline May, 15, 2011). We are currently finishing the budgeting and the likely conference fees will range between 200 and 400 € per person depending on student status. Details will be announced later in 2011 at [www.worldrecfish.org](http://www.worldrecfish.org). There are currently no travel stipends available, but as sponsoring money becomes available the conference organizers consider developing a travel scholarship programme. Regularly visit [www.worldrecfish.org](http://www.worldrecfish.org) to stay informed about news. You may want to register to the newsletter updates. If you have any questions, or would like more information, please contact Eva-Maria Cyrus (assistant, [cyrus@igb-berlin.de](mailto:cyrus@igb-berlin.de)) or Robert Arlinghaus (conference programme chair, [arlinghaus@igb-berlin.de](mailto:arlinghaus@igb-berlin.de)).



Win the honor of having  
YOUR writing published  
In Fisheries!

## Student Writing Contest Now Accepting Submissions

### Submission deadline

April 15, 2011

### Submissions should be directed to:

Walt Duffy

California Coop Fish &  
Wildlife Unit, Humboldt  
State University, Arcata, CA  
95521

### Questions?

Call Walt Duffy at (707) 826-  
5644 or email  
walter.duffy@humboldt.edu

The **American Fisheries Society Student Writing Contest** recognizes students for excellence in the communication of fisheries research to the general public.

Undergraduate and graduate students are encouraged to submit a 500- to 700-word article explaining their own research or a research project in their lab or school. The article must be written in language understandable to the general public (i.e., journalistic style). The winning article will be published in ***Fisheries***.

Students may write about research that has been completed, is in progress, or is in the planning stages. The papers will be judged according to their quality and their ability to turn a scientific research topic into a paper for the general public and will be scored based upon a grading rubric. Check the AFS Web site ([www.fisheries.org](http://www.fisheries.org)) awards page for the grading rubric.

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# MARINE FISHERIES SECTION

of the American Fisheries Society

The Steven  
Berkeley  
Marine  
Conservation  
Fellowship

This fellowship was created by AFS in 2007 to honor the memory of Steven Berkeley, a dedicated fisheries scientist with a passionate interest in integrating the fields of marine ecology, conservation biology, and fisheries science to improve fisheries management. Berkeley was a long-time member of AFS and a member of the first Board of Directors of the Fisheries Conservation Foundation. The fellowship comprises a competitively based \$10,000 award to a graduate student actively engaged in thesis research relevant to marine conservation. Research topics may address any aspect of conservation; a focus on fisheries issues is not required.

For more information and application requirements see:

[http://fishweb.ifas.ufl.edu/mfs/index\\_files/Berkeley\\_Fellowship.htm](http://fishweb.ifas.ufl.edu/mfs/index_files/Berkeley_Fellowship.htm)

Send electronic applications and recommendations, to be received no later than

February 1, 2011 to: Howard Williams, [hwilliams@fisheries.org](mailto:hwilliams@fisheries.org)



Additional presenters are being sought for the symposium, “Innovations in Electrofishing Technology and Techniques,” proposed for the 2011 AFS Annual Meeting in Seattle. The aim of this symposium is to summarize recent innovations in electrofishing-related technology and the ways in which electrofishing concepts are being applied. Examples include invasive species control, marine mammal predation deterrence, fisheries management and fish guidance, eradication of exotics, and new technology for power output quantification and standardization. Those interested in participating should provide the co-organizers (Jim Reynolds, [jbreyolds@alaska.edu](mailto:jbreyolds@alaska.edu); and Carl Burger, [cvburger@smith-root.com](mailto:cvburger@smith-root.com)) with a title and 1-2 sentences about their proposed presentation.

Carl Burger, Senior Scientist

Smith-Root, Inc.

14014 NE Salmon Creek Avenue

Vancouver, WA 98686 USA

360-573-0202 Ext 112

PS: If you would personally like to examine our progress to date, here is a link that will take you there.

<http://afs.confex.com/afs/2011/symp/sessions/index.cgi?username=1536&password=490767>

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## 2010-2011 Cal-Neva Chapter Executive Committee

### Chapter Officers

President	Mark Gard	<a href="mailto:Mark_Gard@fws.gov">Mark_Gard@fws.gov</a>	(916) 414-6589
President-elect	Mike Saiki	<a href="mailto:saikifish@att.net">saikifish@att.net</a>	(703) 648-5993 ext. 617
Past President	Michelle Workman	<a href="mailto:michelle_workman@fws.gov">michelle_workman@fws.gov</a>	(209) 365-1486
Treasurer	Stephanie Theis	<a href="mailto:Stephanie.R.Theis@us.mwhglobal.com">Stephanie.R.Theis@us.mwhglobal.com</a>	(916) 418-8424
Secretary	Barbara Martin	<a href="mailto:bmartin@usgs.gov">bmartin@usgs.gov</a>	(703) 648-5993 ext. 612

### Committee Chairs

Membership	Vacant		
Finance	Wayne Lifton	<a href="mailto:wlifton@entrixx.com">wlifton@entrixx.com</a>	(925) 935-9920
Bylaws and Nominations	Tom Lambert	<a href="mailto:lambert5@pacbell.net">lambert5@pacbell.net</a>	(707) 829-7882
Conservation	Chuck Knutson	<a href="mailto:knutson1@surewest.net">knutson1@surewest.net</a>	(916) 441-4144
International	Lourdes Ruge	<a href="mailto:lrugge@ecorpconsulting.com">lrugge@ecorpconsulting.com</a>	(916) 782-9109 ext. 256
Continuing Education	Norm Perferrada	<a href="mailto:normponferrada@gmail.com">normponferrada@gmail.com</a>	
Awards	Pat Coulston	<a href="mailto:pjcoulston@sbcglobal.net">pjcoulston@sbcglobal.net</a>	(831) 649-2882
Trade Show	Zac Jackson	<a href="mailto:Zachary_Jackson@fws.gov">Zachary_Jackson@fws.gov</a>	
Policy and Resolutions	Alice Berg	<a href="mailto:Alice.Berg@edaw.com">Alice.Berg@edaw.com</a>	
Local Arrangements	Francine Mejia	<a href="mailto:fmejia@water.ca.gov">fmejia@water.ca.gov</a>	
Nevada Liaison	Jim Reynolds	<a href="mailto:ffjbr@uaf.edu">ffjbr@uaf.edu</a>	(775) 777-9104
Sacramento-Davis Subunit	Sara Lesmeister	<a href="mailto:salesmeister@ucdavis.edu">salesmeister@ucdavis.edu</a>	
Humboldt Subunit	Robert Parker	<a href="mailto:rparkernomads@gmail.com">rparkernomads@gmail.com</a>	
Reno Subunit	John Umek	<a href="mailto:johnumek@gmail.com">johnumek@gmail.com</a>	
Hawaii Subunit	Vacant		
Newsletter Editor	Tim Heyne	<a href="mailto:theyne@dfg.ca.gov">theyne@dfg.ca.gov</a>	(209) 853-2533x1#

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