



Newsletter, Volume 27(2)

*newsletter formatting may change among email programs.

AFS Education Section Website: <http://www.fisheries.org/education/>

PRESIDENT'S LINE

Donna Parrish, Vermont Cooperative Fish and Wildlife Research Unit,
Donna.Parrish@uvm.edu



The Lake Placid meeting was the halfway point of my role as President of this Section. We have been accomplishing many goals, but obviously there is much more to be done. It is quite fortunate that I am working with officers and committees that have a great deal of enthusiasm for the goals of the Section. They provide the support that makes my job much easier and very enjoyable.

Last year the Section completed, continued to work on, or began new book projects. The section's emphasis on books was simply in following the lead of immediate Past-President

Chris Guy, who made books a major contribution of his presidency. At the Lake Placid meeting, the 2nd Edition of Employment in Fisheries Sciences by **Dave Hewitt**, **Al Zale**, and **Bill Pine** was available for purchase. The other books sponsored by the Section should be out in December 2006 (Analysis and Interpretation of Freshwater Fisheries Data) and December 2007 (Fisheries Techniques 3rd Edition). We are also considering options of sponsoring a new edition of Writing for Fishery Journals. **Cecil Jennings** is investigating options for this book. Two of our Section members, **Wayne Hubert** and **Mike Quist**, are beginning work on the 3rd Edition of Inland Fisheries Management in North America.

Another area of importance for the Section to address these two years has been the student paper and poster judging. **Trent Sutton** has provided a report on the 2006 meeting in this newsletter. He is proposing some major changes to what the Section can and should be doing regarding the two components of judging student presentations and posters: 1) the awards for best paper and poster and 2) providing feedback to the remainder, which is likely to number between 300 and 400 next year. Trent is proposing changes that are anticipated to ensure we do a better job of providing feedback to the

majority of students, since most student presentations do not compete at the award level. Those students whose presentations are selected to compete for an award will be at a high level of excellence and their presentations will become a highlighted part of the annual meeting. This proposal is a step in the right direction of revamping our old system that is ineffective with the increasing number of student presentations over the years.

Another issue that came up this year is that the Section is often not in compliance with its bylaws. **Tom Kwak**, President-Elect, has provided significant leadership in revising the Section's bylaws. He has worked with **Gwen White**, AFS Constitutional Consultant, on these changes. We will be sending the proposed bylaws out for Section vote very soon. Thanks to Tom for his efforts in editing the bylaws so we can have them revised this year.

At the business meeting in Lake Placid, **Kate Walker**, President of the Montana Chapter, brought forth a proposed resolution on evolution. We were asked if the Section would like to support this resolution and if we do, we would then be the entity to take it to the Society level for further consideration. **Randy Jackson**, Northeastern Division Representative, has graciously agreed to work on the resolution to prepare it for a vote of the Section. We will be sending the revised resolution out for vote hopefully before the end of the year.

Thanks to all who participated in the business meeting in Lake Placid. Next year we will try to schedule our meeting/reception for Sunday afternoon at the annual meeting. We will also try to work with the Student Subsection on scheduling their meeting at an ideal time to get more students in attendance. In this newsletter, please check out the list of leaders of this Section. These folks are busy trying to support our mission and I am very appreciative of their efforts. If your name is not on this list, you should consider becoming involved. During this next year, **Tom Kwak** (tkwak@ncsu.edu) will be trying to get new folks involved so please be ready to respond to his request.

As always, please contact me if you have any questions, suggestions, or concerns about the Section (Donna.Parrish@uvm.edu).

EDUCATION SECTION LEADERS 2006-07

President—**Donna Parrish** Donna.Parrish@uvm.edu

President Elect—**Tom Kwak** tkwak@ncsu.edu

Past President—**Chris Guy** cguy@montana.edu

Secretary Treasurer—**Steve Chipps** steve_chipps@sdstate.edu

Newsletter—**Dan Dauwalter** ddauwalt@uwyo.edu and **Becky Zeiber** rzeiber@purdue.edu

Website—**Mike Meeuwig** mmeeuwig@montana.edu

DIVISION REPRESENTATIVES

North-Central—**Mark Pegg** mpegg2@unl.edu
Northeast—**Randy Jackson** jrj26@cornell.edu
Southern—**Jill Jenkins** Jill.Jenkins@usgs.gov
Western—**Chris Myrick** Chris.myrick@colostate.edu

COMMITTEES

Membership—**Steve Lochmann** slochmann@uaex.edu
Excellent Educator Award—**Mike Quist** mcquist@iastate.edu
Skinner—**Craig Paukert** cpaukert@ksu.edu
Program—**Tom Kwak** tkwak@ncsu.edu
Student papers and poster 2006 meeting—**Trent Sutton** tsutton@purdue.edu

AD HOC COMMITTEES

Paper and poster judging changes—**Trent Sutton** tsutton@purdue.edu
Fisheries Techniques 3rd Edition—**Al Zale** zale@montana.edu
Analysis and Interpretation of Freshwater Fisheries Data—**Mike Brown**
Michael.Brown@SDSTATE.EDU

TEACHING TIPS

END OF DAYS

Dan Dauwalter, University of Wyoming, ddauwalt@uwyo.edu

What? Oh, it is just the end of the semester - not the end of days. The end of the semester can be a busy time for faculty as well as students. Your classes have fallen behind the syllabus schedule, you have to give feedback on papers and presentations that are due in your classes, you have to develop, administer, and grade final exams, and then there are grading crises. And this is just for your classes, not to mention your research and departmental committee work!

Given this end of semester mayhem, there may be an overbearing feeling that you need to ramp up and cram all of the remaining material on your syllabus into the final weeks of class. Do not do it. Students do not benefit from having a few weeks of material crammed into one because they will have little time to comprehend and digest all of the information presented. Focus the remaining time on major concepts and tying course content together. Get students to stop memorizing and start thinking about how to integrate the information they have learned throughout the semester. This will save you time while simultaneously benefiting your students.

You can also save yourself time in other ways. Have review sessions for classes instead of office hours. You will not spend time answering the same questions, and students will answer questions of other students. The same can be said for online discussion boards.

In addition to streamlining your classes, prioritize the rest of your schedule. Decide what is most important and do it. Procrastination is easily accomplished by focusing too much

attention on small details of little importance instead of completing large tasks. Tackle larger tasks first, and during parts of the day when you concentrate best. Set time limits and stick to them.

These tips are just a few examples of how to finish the semester strong – both in the classroom and out. Not only will you benefit but your students will too, which will make the transition in to the holiday season much easier!

SECRETARY / TREASURER'S LINE

Steve Chipps, South Dakota State University, Steven.Chipps@sdstate.edu.

FINANCIAL SUMMARY

August 31, 2005 to September 6, 2006

Income	
Dues	1,203.00
Book sales	22,184.25
Total	\$23,387.25
Expenses	
Bank/transfer fees	85.93
Meeting social	682.50
Excellence Award (C. Guy)	500.00
Travel (president/past president)	3,921.17
Skinner (honorable mentions)	475.00
Skinner (AFS membership)	190.00
Award plaques	125.00
Equal Opportunity Section	2,000.00
Total	\$7,979.60
Accounts (as of September 6, 2006)	
Checking	44,930.85
CD (7 mo @4.5%)	60,531.89
CD (7 mo @4.5%)	60,531.89
Total	\$165,994.63

MINUTES of the ANNUAL BUSINESS MEETING—EDUCATION SECTION

2006 Annual meeting of the American Fisheries Society
Lake Placid, New York, September 11, 2006

- I. Call to Order**—Meeting was called to order by President Donna Parrish.
- II. Introduction of Guests**—Past Presidents of the Section, Education Section officers and AFS staff were introduced by D. Parrish. Recognized Past President C. Kohler and President-elect Mary Fabrizio
- III. Determination of Quorum**— A quorum (10% of membership) was present and confirmed by J. Margraf.
- IV. Approval of Agenda**—D. Parrish introduced agenda. J. Margraf seconded approval. Motion passed.
- V. Approval of Minutes from 2005 Business Meeting**—J. Margraf moved to approve minutes from the 2005 Education Section meeting as written; B. Vondracek seconded the motion. Motion passed.
- VI. President's Comments**—D. Parrish highlighted student-related activities of the Section that included last year's symposium on writing and editing; discussed the student-mentor luncheon at the Lake Placid meeting and encouraged students and members to attend the Society Business meeting and support student awards (e.g., Skinner Awards). Attending business meetings is a good way to learn how issues are resolved. Donna introduced our two new Division Reps – Mark Pegg (NCD) and Randy Jackson (NE).
- VII. Treasurer's report**—S. Chipps presented the Treasurer's report. Total assets of the Section as of September 6, 2006 were \$165,994. Our fiscal situation is good and there were no questions from the floor.
- VIII. Report by AFS officer**---- Gwen White (AFS Constitutional Consultant) discussed current revisions to Section bylaws. Mentioned that some Sections have a line item for annual student travel support, administered by the Equal Opportunity Section (EOS). On behalf of EOS –Gwen thanked the Section for the \$2,000 student travel support to the Lake Placid meeting. It enabled five additional students to attend the meeting.

IX. Committee Reports

Newsletter: Rebecca Zeiber thanked those who contributed to the July newsletter. Rebecca and Dan Dauwalter encouraged submissions for the Fall newsletter and expect it to go out in late October 2006. Mike Meeuwig will continue as webmaster for 1 more year.

Excellence in Fisheries Education: Mike Quist noted there were four nominations for the award. He recommended changes in nomination procedures to provide additional guidance for those nominating someone for the award. Mike is looking for a Student Representative and Western Division Representative to help serve on the committee.

Skinner Committee: Craig Paukert thanked those who served on the 2006 Committee (K. Bertrand, P. Braaten, J. Hightower, J. Hoxmeier, M. Pegg, J. Vokoun, and D. Ward). The Committee received 46 applications for the Skinner Memorial Award in 2006 and was able to award 11 Skinner Awards and five Honorable Mentions. C. Paukert brought up

the issue of 'financial need' versus 'prestige' of the Award and the need to consider increased funding to Annual meetings. D. Parrish opened the floor for discussion. Ira Adelman suggested polling students for their view. J. Margraf commented that the Award came about to support [financial] travel needs of students, but as the number of applicants has increased over the years, the award has become more prestigious. We need to decide what the Award is. C. Moffitt added that it used to depend on actual financial needs of individual students, so the amount varied. D. DeVries mentioned that in the early 1990s, students would note whether they could attend the meeting without financial assistance. If award is solely 'need-based', then establish criteria and set up as a lottery; if 'merit-based', then omit financial need as a criterion. D. Wahl thinks the award should address both and should not be changed. B. Murphy concurred. J. Parkos suggested promoting the award as a merit award so travel need is not emphasized. J. Vokoun felt message is there, but big question is how much funding is needed to attend annual meetings. D. Parrish charged the Skinner Committee to work on this issue and bring to the Executive committee.

Student posters/papers: Trent Sutton noted that 83 student posters and 279 student papers will be presented at the Lake Placid meeting. A total of 247 judges volunteered to judge posters and papers. Because of the increasingly large number of student papers, we need to consider other options for paper judging. Trent posed the question – are we trying to provide feedback or discern the best scientific paper? We are not doing either job very well under the present judging system – students often receive inadequate feedback and we have no consistent set of judges. Committee will discuss several options this fall that include 1) uncoupling feedback component – so that students get feedback from audience (but are not formally judged) and 2) how to determine best paper award. One option may be to ask students if they want to be considered for an award. If so, Committee selects finalists based on abstracts and then the same judges evaluate all papers. D. Parrish opened the floor for discussion. C. Moffitt added that perhaps papers could be assigned to topic areas and that other Sections become involved in judging papers related to their expertise – might help diversify judging and have more academic merit. J. Margraf added that quality of an abstract may not represent overall quality of a presentation. Often students are finalizing data analysis/discussion between the time an abstract is submitted (January) and the talk presented (August-September). I. Adelman and J. Margraf questioned variability among judges – many do not actually see the Best Student Presentation depending on the papers they are assigned. Trent will develop new guidelines and a rubric scoring approach and present to the Executive Committee in Fall 2006.

Membership Committee: Steve Lochmann – only 1 person from Section responded to world's smallest fish 'incentive' from Section. Steve will forward to other Sections for more participation [note: see July 2006 newsletter for contest details].

Program committee: Tom Kwak – first Student-Mentor luncheon will be held at Lake Placid meeting. Over 200 students and professionals were paired up (based on scientific/career interests). Mentors (professionals) pay for lunch and will have an opportunity to share experiences/career advice with students. A similar opportunity was

held at the Western Division meeting with great success. Tom encouraged those participating to provide feedback; he acknowledged others on the Committee who helped organize the event: Mike Bailey (co-chair), Dustin Edwards, Justin Davis, Lisa Kerr, Jeff Jolley, and Ken Sheehan.

X. Ad hoc committee & Special projects

C. Paukert--- Fisheries Programs Guide now on-line and complete. Feel free to contact him for updates.

D. Hewitt ---Employment in Fisheries Science is now available through AFS publications. Dave acknowledged the joint efforts of the Education and Student-sub sections.

A. Zale --- Fisheries Techniques (3rd edition). Al said the book is proceeding. Most chapters are now in review and only a bit behind schedule. He anticipates that the third edition could be available by December 2007.

A. Zale (for C. Guy & M. Brown) --- Analysis and Interpretation of Freshwater Fisheries Data is nearing completion. Nine chapters are at the publisher (being typeset); three are in final review (technical Editor). Hope to have the book published by December 2006. Typesetting took longer than expected because of numerous equations.

XI. Report from Student Subsection

Mike Bailey highlighted the student-mentor luncheon. Served as co-chair with T. Kwak to organize the event.

XII. Awards and Recognition of Outgoing Officers

Student paper/poster awards: T. Kwak acknowledged last years award recipients for Best Student Paper and Poster Awards. They were [Best Paper] 1) Beth Gardner (Cornell University) and 2) Brandon Puckett (University of Maryland); [Honorable mention] 1) Katie Bertrand (Kansas State University) and 2) Brian Bellgraph (Montana State University). Best Poster Award went to Cari-Ann Hayer (Auburn University); Honorable mention, Donald Ratcliff (Utah State University). The membership congratulated all award winners.

Skinner awards: C. Paukert acknowledged 2006 Skinner Award Winners and Honorable mentions. All award winners were congratulated by President D. Parrish for a job well-done.

Excellence in Fisheries Education: D. Parrish asked Alicia Reed and Dave Hewitt to read the nomination letter for Dr. Joe Hightower (NC State University). They highlighted the many contributions made by Joe as an educator and mentor. Joe was presented with a \$500 award from the Section. He thanked the Section and his students and asked that award money go to support Student Sub-Unit activities at NC State.

Certificates of Appreciation: A. Zale presented a Certificate of Appreciation to Dave Hewitt for his work on the book “Employment in Fisheries Sciences”. D. Parrish presented Certificates of Appreciation to Jason Vokoun (NE Division Rep) and Brian Sloss (NCD Division Rep).

XIII. Old Business

None.

XIV. Additional Reports

Text book: S. Bonar discussed progress on the Standardization book. The book has received positive support from State agencies and is supported by eight sponsors. Forty eight authors are contributing to the book and drafts of chapters are due in early November, 2006. Scott thanked the Education section and contributing authors for their continued support of this effort.

Hutton Program: Danielle Hawkins provided an update on the Hutton Program. A revised brochure provides information on the 8 week program. To date, 56 students have participated in the Hutton program from 29 states. Recent survey results showed that over 50% are considering careers in fisheries science. The program has also helped change their view of fisheries from recreation to a more science-based career. The most limiting factor for the program continues to be financial support for students.

XV. New Business

W. Hubert discussed the need to update the second edition of Inland Fisheries Management; the book is about 10 years old and a 3rd edition is needed. Wayne agreed to serve as Co-editor of a new edition with Mike Quist.

K. Walker asked the Section to consider supporting a Resolution offered by the Montana Chapter that addresses the teaching of alternatives to evolution in science-based public school classes. The resolution would support the teaching of evolution as based in scientific theory. D. Parrish opened the floor for discussion. J. Vokoun suggested the Resolution be printed in Fisheries for feedback. C. Moffitt suggested that it would have more impact if it comes from the Education Section. There was further discussion on how the process should be handled and C. Kohler recommended that it be reviewed/approved by the Section before presenting it to the Governing Board. A. Zale moved that the [Section] proceed with the Resolution and include a draft version in the newsletter for review/comment. J. Margraf seconded the motion. Motion passed.

D. Parrish noted that Cecil Jennings would like to see a second edition of Writing for Fishery Journals; the book is an important resource for students but is 16 years old. Cecil volunteered to serve as a co-editor – with help from others who may be interested. Donna opened the floor for discussion. B. Murphy agreed the book is

outdated and a second edition would be useful. D. DeVries added that several presentations from last year's Writing and Editing symposium could serve as potential chapters. J. Vokoun added that other professional societies benefit from this book and could be used for support. C. Paukert mentioned that the Journals Committee might help with selection of editors/authors.

C. Moffitt reminded the membership of the 2007 Symposium in Halifax entitled "Global management in dynamic environments". Christine encouraged Section members and students to participate.

J. Schneider called for more support to get undergraduate students involved with annual AFS meetings. Incentives to generate interest among undergraduate students might include specialized workshops or events (e.g., quiz bowls). Jim encouraged the Section to consider group travel awards for promising undergraduate students. D. Parrish asked that the Jim work with the Membership committee to address this issue.

XVI. Adjournment

J. Margraf moved to adjourn; B. Vondracek seconded. Motion passed. Meeting was adjourned.

COMMITTEE REPORTS

PROGRAM COMMITTEE

Tom Kwak, North Carolina Cooperative Fish and Wildlife Research Unit,
tkwak@ncsu.edu

Mike Bailey, University of Maine, Michael_Bailey@umit.maine.edu

SUCCESS: First Student–Mentor Lunch in Lake Placid



The Education Section and Student Subsection sponsored and organized the first Student–Mentor Lunch at the 2006 AFS Annual Meeting in Lake Placid. Students and professionals were paired to share a meal and discuss experiences, opportunities, and challenges in fisheries careers on Tuesday, September 12, at the Hilton in Lake Placid. Students joined a fisheries professional for lunch and learned from their experience, and professionals took a student to lunch and passed on some of the mentorship that they've received over their career.

Over 200 students and professionals participated in the event, and general feedback was positive. Should we now consider this an annual event at the parent society

meeting? This activity takes a fair amount of effort to organize, but incurs virtually no expense to the Section. And in addition to hopefully enlightening some student participants, I think it was a worthwhile project to bring the Education Section and the Student Subsection together. We welcome your feedback and suggestions on the future of this event.

The Program Committee Co-Chairs (**Tom Kwak**, NC, Education Section President-Elect and **Mike Bailey**, ME, Student Subsection President) would like to thank committee members **Dustin Edwards** (CT), **Justin Davis** (CT), **Lisa Kerr** (MD), **Jeff Jolley** (SD), and **Ken Sheehan** (WV) for their energy and time in organizing the event. **Margaret Murphy** of the NY Chapter and Annual Meeting Committee served as liaison for this activity and provided important assistance and patience, for which we're also grateful. Let's hear from you if you have an opinion on this event or other activities that the Program Committee might organize in the future.

SKINNER COMMITTEE

Craig Paukert, Kansas Cooperative Fish and Wildlife Research Unit, cpaukert@ksu.edu.

The 2006 Skinner Memorial Award had 46 applicants and awarded 11 Skinner Awards and five Honorable Mentions. Each Award winner was reimbursed up to \$600.00 for their travel to the 2006 American Fisheries Society Annual Meeting September 10-14, 2006 in Lake Placid, New York. Honorable Mentions received reimbursement for their registration at the Annual Meeting. All winners (including honorable mentions) received a one-year student membership to the AFS as well.

2006 Skinner Memorial Award Winners:

Michael Bailey	University of Maine
Andrew Carlson	University of Wyoming
Bart Durham	Texas Tech University
Janice Kerns	Tennessee Tech University
Thomas Lang	University of Arkansas-Pine Bluff
Heidi Lewis	Southern Illinois University
Katherine Mills	Cornell University
Quinton Phelps	South Dakota State University
Mark Rogers	University of Florida
Jesse Trushenski	Southern Illinois University
Rebecca Zeiber	Purdue University

Honorable Mentions:

Benjamin Ciotti	University of Delaware
Robin DeBruyne	Central Michigan University
Dustin Edwards	University of Connecticut

David Rowe
William Smith

Iowa State University
University of North Carolina-Wilmington



2006 Skinner Award winners.

The Skinner Committee will be evaluating the award process in the upcoming year to determine if refinements in the dollar amount and/or scoring criteria and warranted. There was a lively discussion at the Education Section business meeting in Lake Placid about the award. The central issue is if the Skinner Award is more of a travel award (and therefore there should be more emphasis on the financial need of the student and if they have project or university funds to travel to the Annual Meeting) or if it is considered a prestige award (where more emphasis would be placed on credentials of the student and less on the financial need). Through discussions with the Skinner Committee, Education Section EXCOM, and at the business meeting, it is clear there are divergent views on the award and there is likely no one 'correct' solution. The Skinner Committee would welcome any comments regarding this issue in the upcoming months. Please send all comments to **Craig Paukert** cpaukert@ksu.edu.

BEST STUDENT PAPER AND POSTER AWARDS COMMITTEE

Trent Sutton, Purdue University, tsutton@purdue.edu

Let me start by first thanking all of the students that presented a paper and/or poster at the 2006 Annual Meeting of the American Fisheries Society in Lake Placid, New York, for a job well done. I would also like to again thank all the individuals that gave their time to help judge these presentations as your contributions are equally as important. In total, there were 256 student papers and 80 student posters presented at the meeting. Covering the 1,088 judging events (three judges per paper, four judges per poster) required 182 paper judges and 69 poster judges. The results from the judging forms have been compiled, and the feedback will be distributed to the student presenters over the next few weeks. Those evaluation forms will include a breakdown of the student score's for the various metrics (including a total score) from each judge and, if provided, written comments. As a basis for comparison, the mean total score for all student posters was 74.78 and the mean total score for all student papers was 74.30 (to avoid score inflation, we had requested that judges score the average paper a 75 out of 100). Using these scores, we were able to award the following:

Best Paper

Homel, Kris, and Phaedra Budy. Evaluating genetic population structure and movement patterns of bull trout (*Salvelinus confluentus*) in Northeast Oregon. Utah State University, Logan, Utah.

Honorable Mention, Best Paper

Durham, Bart, and Gene Wilde. A framework for the study of stream-fish population dynamics. Texas Tech University, Department of Natural Resources Management, Lubbock, Texas.

Murry, Brent, John Farrell, Mark Teece, and Kimberly Schulz. Effect of maternal size and condition on the variation in egg nutrient content and larval success in northern pike. State University of New York, College of Environmental Science and Forestry, Syracuse, New York.

Best Poster

Gulka, Ann, Leilani Courtney, and Douglas Facey. Dietary overlap between invasive white perch and three native fishes in Missisquoi Bay. Saint Michael's College, Department of Biology, Colchester, Vermont.

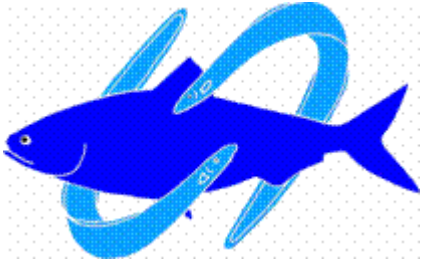
Honorable Mention, Best Poster

Nguluwe, Belita, Andrea Johnson, and Anne Richards. Comparison of two methods of aging monkfish: vertebrae vs. illicia. University of Maryland Eastern Shore, Living Marine Resources Cooperative Science Center, Princess Anne, Maryland.

Congratulations to all the winners for their hard work! The award information will also be published in a future issue of *Fisheries* and the award winners will receive a plaque and monetary gift at the 2007 Annual Meeting of the American Fisheries Society in San Francisco, California.

Since the 2006 meeting, this committee has been working with the Education Section Excom to revise the guidelines and protocols for judging student presentations at future annual conferences. A draft proposal is currently being circulated, which will be revised and published in the January 2007 issue of *Fisheries*. We request that all student presenters read this article prior to submission of their abstracts because there will be some rather significant changes implemented in terms of student judging. In short, students will be required to apply for consideration to be judged and a subset of the applications will be chosen based on the strength of their application packet (which will include an extended abstract) to participate in a symposium hosted by the Education Section. During this symposium, only selected students will present their research and a panel of judges will evaluate each student paper which will allow for consistency in the evaluation process. A similar format will also be developed for the poster session. All students will have an opportunity to receive feedback on their projects; however, this will be decoupled from the award process which will allow them to receive feedback immediately following their presentation. Keep an eye out for January 2007 issue of *Fisheries* for additional details.

MISCELLANEOUS



Challenges for Diadromous Fishes in a Dynamic Global Environment

*An International Symposium
18-21 June 2007
Halifax, Nova Scotia, Canada*

details see: <http://www.anacat.ca/index.php>

Second Call for Abstracts

**Oral Paper and Poster abstract submission is extended until
1 January 2007**

This symposium will review the current state of scientific knowledge with respect to biology, ecology, and conservation of diadromous fishes (including anadromous, catadromous, potamodromous, and amphidromous species). The symposium theme will build upon that of the very successful 1986 American Fisheries Society symposium, **Common Strategies of Anadromous and Catadromous Fishes** (*Dadswell et al. 1987. Am. Fish. Soc. Symp. 1*). However, emphasis will be expanded to address how recent alterations to the environment and human activity have affected diadromous fishes with respect to their sustainability and role in aquatic ecosystems.

Plenary Presentations

Dr. Robert McDowall

*National Institute of Water & Atmospheric
Research Ltd., New Zealand*

Dr. Thomas Quinn

University of Washington, USA

Sponsors

Northeastern Division of the American
Fisheries Society

[American Fisheries Society](#)

Sessions

Dynamic Nature of Diadromy

Roger Rulifson, session chair

Climate Change & Anthropogenic Influences

Christine Moffitt, session chair

Ocean Environment & Migration

Michael Dadswell, session chair

Linkages with Ecosystem Energetics

Richard Cunjak, session chair

Population & Habitat Restoration

Alex Haro, session chair

Socio-Economic & Bio-Political

Linkages in Management

Ronald Klauda, session chair

Ecosystem Management

Approaches for the Future

Ronald Klauda & Katherine Smith, session chairs

Salmon 2100: The Future of Wild Pacific Salmon, News Release, American Fisheries Society

The American Fisheries Society has just published a provocative new book, *Salmon 2100: The Future of Wild Pacific Salmon*. The book, the product of a 4-year international project, features the policy recommendations of 33 senior salmon scientists, policy analysts, and wild salmon advocates about how to save runs of wild salmon in the United States and Canada.

Throughout California, Oregon, Washington, Idaho, and southern British Columbia, all wild salmon runs have declined or disappeared since 1850. Billions of dollars have been spent in failed attempts to reverse the long-term decline, and each year, hundreds of millions more continue to be spent in various restoration programs. Fisheries biologists and other scientists continue to help craft restoration plans, but a fast, easy fix has remained tantalizingly out of reach. How can nearly everyone be in favor of restoring wild salmon, as opinion surveys indicate, and we devote considerable effort and resources in their recovery, but the long-term prognosis for a sustainable future appears to be so grim?

The primary goal of the book is to identify practical options that have a high probability of maintaining significant, sustainable populations of wild salmon. While the participants' conclusions were both grim and hopeful, they were unanimous in their opinion that present efforts to preserve wild salmon runs would fail. Yet they all felt that wild salmon could be saved – with the right strategy. The book does not advocate any

particular policy, but provides decision makers and the public with a diverse set of policy prescriptions that have reasonable prospects of success.

“Some of the policy options are radical and surely would be difficult to implement – especially those requiring changes in the Endangered Species Act,” said Robert T. Lackey, a senior fisheries biologist with EPA and a professor at Oregon State University and one of the editors of the book. “But it is important to remember that there are policy options that have a good chance of restoring wild salmon runs to significant, sustainable levels through 2100 and beyond.” Lackey added; “Ultimately it is the public that will decide. We have provided scientifically sound policy options that would likely be successful.”

The book may be ordered on-line for \$39.00 from the American Fisheries Society at www.fisheries.org.

EDITORS' NOTE

The newsletter should have arrived in an HTML format if you have that option available in your email program. We hope that the formatting and pictures arrived to your computer the same way we sent them, but there is sometimes no telling what goes on in the inter[net] galactic space between computers and servers. We have attempted to keep the embedded pictures from becoming attachments while sending the newsletter. However, they sometimes just seem to show up. Please let us know if this has happened to you.

We welcome any suggestions to format, content, or any other issues regarding the newsletter. Newsletter submissions are always welcome; just send them to one of us.

Newsletter co-editors,

Dan Dauwalter, ddauwalt@uwyo.edu

Rebecca Zeiber, rzeiber@purdue.edu