



# AFS GENETICS SECTION NEWSLETTER



Volume 19, Issue 4  
August 2006

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## President's Message

Dear Genetics Section Members,

I'm looking forward to the upcoming **annual meeting in Lake Placid**, now about five weeks away. The annual meeting is often held in some pretty neat locations, but in 2005 and 2006 I think we're getting to enjoy two of the best: Alaska and the Adirondacks. The Adirondacks are, of course, a national treasure, and the meeting appears to be shaping up nicely. The Section is co-sponsoring two symposia at this year's meeting. These symposia are "**Risks to Migratory Life Histories of Trout and Char: A Call for Research, Assessment and Conservation**," and "**The Role of Hybridization in Evolution, Ecology, and Conservation of Fishes**." The migratory life history session is being organized by Kitty Griswold (current Section Secretary-Treasurer), Robert Gresswell, Jack Williams, and Jason Dunham; and the hybridization session is being organized by Ed Heist (Section President-Elect) and me (current Section President). Descriptions of these symposia can be found on the meeting website ([www.afslakeplacid.org/Prog\\_SymposiaTitles.htm](http://www.afslakeplacid.org/Prog_SymposiaTitles.htm)). I hope that when you can find time between hikes or boating trips around Lake Placid you'll be able to attend many of the interesting talks and posters to be presented in these sessions.

I'm pleased to announce that the Section has reached decisions on the winners of its **Stevan Phelps Memorial Award** and its **James Wright Student Travel Award** for 2006. The winners are identified in this newsletter, below. I'm grateful to the members of both award committees for their efforts in evaluating all the excellent submissions this year. Please consider joining one of these committees in the future; it's a fun and rewarding experience. I will make the 2006 award announcements at our **annual Section meeting** in Lake Placid, which will be held from **3 to 5pm, Sunday, 10 September**, in the Grandview B room of the Crowne Plaza Hotel. I hope to see you there.

Section members have voted in a **new President-Elect and Secretary-Treasurer**. Nominating Committee chair Lisa Seeb counted a total of 26 members that contributed mail-in ballots for this election by the 15 July deadline. The election results are summarized in this newsletter, below. I will announce these election results at the Section meeting in Lake Placid on 10 September.

We're always interested in your comments on Section elections and ways to improve the process. Based on several requests and an unofficial canvassing of Section members, I will be asking the AFS Governing Board at their annual meeting in Lake Placid to amend the Section's by-laws to permit electronic voting, which will help to increase participation in the process. If you have additional suggestions, please pass them along to Ed Heist or me.

If you haven't already noticed, our website (redesigned by Jeff Stein in 2005) was recently updated; please take a moment to view it at [www.fisheries.org/genetics](http://www.fisheries.org/genetics). We are adding content all the time, thanks to the efforts of our "temporary" webmaster Dan Moore and newsletter editor Joel Carlin. (PS - The Section is seeking a new webmaster; please contact Ed Heist or me if you know someone who is interested.) On the site we provide a link to the AFS jobs board, and an events calendar to keep you apprised of upcoming items of interest. We also have a "hot topics" section for short communications or if you want to sound off on a topic. Content and feedback are always welcome.

Sincerely,  
Jeff Hard, AFS Genetics Section President

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## Stevan Phelps Memorial Award

The Phelps Award Committee has reached its decision on a winner for the best genetics publication in the AFS Journals in 2005. The Committee was composed of Ken Currens, Bernie May, and Fred Utter (chair). The winning paper for the Phelps award, selected from 31 candidate papers, is:

**Anthony J. Gharrett, Andrew P. Matala, Eric L. Peterson, Andrew K. Gray, Zhouzhou Li, and Jonathan Heifetz. 2005. Two genetically distinct forms of rougheye rockfish are different species. *Transactions of the American Fisheries Society* 134:242-260.**

Congratulations to Tony and his coauthors on this excellent paper!

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## James Wright Graduate Travel Award

The Wright Award Committee has reached its decision on the winners of this year's graduate travel award. The Committee was composed of Mike Canino, Jeff Olsen (chair), and John Wenburg. This year we have two co-winners for the award: **Melinda Baerwald** and **Molly Stephens**, both graduate students with Bernie May at the University of California at Davis.

Congratulations to both Melinda and Molly!

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## Section Officers Election Results

This year we had two excellent candidates that agreed to run for each of the Section's offices: Helen Neville (University of Nevada Reno) and Kim Scribner (Michigan State University) standing for President, and Loren Miller (University of Minnesota) and Bill Templin (Alaska Department of Fish and Game) standing for Secretary-Treasurer.

**Kim Scribner** has won the election for President-Elect, and **Bill Templin** the election for Secretary-Treasurer. The President-Elect will take office in two years at the annual meeting in Ottawa, and the Secretary-Treasurer will take office at this year's meeting; each term is for two years. My thanks go to all four candidates for participating and to Lisa Seeb, Nominating Committee chair, for managing the voting process. By next time, we hope that Section members can exercise their voting rights using an electronic ballot.

Sincerely,  
Jeff Hard, AFS Genetics Section President

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## AFS Single Nucleotide Polymorphism Workshop II Update

Hi all:

I'm happy to announce that **SNP Workshop II** will be held at the Alyeska Prince Hotel, near Anchorage, 21-22 September. Like last year, we plan to have a mixture of oral presentations and breakouts to discuss SNP applications in population management and conservation. The meeting is co-hosted by Alaska Department of Fish and Game and the Genetics Section of the American Fisheries Society.

In addition to sponsoring the meeting rooms and invited speaker travel again this year, Applied Biosystems is also supporting three young investigator awards for students or post docs: two \$1000 travel awards to assist travel to attend the

workshop and present papers and one \$4000 TaqMan award to support SNP research. Contact Shawn Narum ([nars@critfc.org](mailto:nars@critfc.org)) for application details for the travel scholarships, and contact Tony Dodge ([dodgeth@appliedbiosystems.com](mailto:dodgeth@appliedbiosystems.com)) for details on the TaqMan award.

Hope to see you at Alyeska,  
Jim

James E. Seeb, PhD  
Chief of Research for Anadromous Fisheries  
Alaska Department of Fish and Game  
Gene Conservation Laboratory

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## Is Your AFS Information Accurate?

As newsletter editor, I test out AFS' knowledge of its members four times a year. And every time I send a newsletter out, a few get bounced back. Also, we get an update from AFS on who has paid their dues but mistakes can of course happen there as well. Thus I would appreciate your examining the names and emails below and sending them or me an update. Many of these people have working email addresses but use spam-blockers that won't allow the newsletter go through. Many of the names and emails are on the AFS-GS list of members, but perhaps their dues are not up to date, or the AFS records are not up to date.

Please, if you know the correct emails for any of the people below, please forward this message to them. Ask that they contact AFS or myself or both – everybody should be able to stay in touch by receiving the newsletter and other important items! Specifically, they should check a) their membership status with AFS, b) if AFS and myself have their correct email address, and c) if their spam blocker will allow them to receive section emails.

Joel L. Carlin, AFS-GS Newsletter Editor  
[jcarlin@gustavus.edu](mailto:jcarlin@gustavus.edu)

Persons whose e-newsletters were "undeliverable" and/or weren't on the last official membership list:

Anne Cooper	Richard Moccia	Todd R Seamons
Sam Dennison	Masahiro Sakai	Joe Sullivan
Ian Fleming	Kim Scribner	Jeff Stein
Garth Gale	Kevin Page	John Umek
James Graybill	John Paret	Filip Volckaert
John Hyde	Scott Pavey	Claus Wedekind
Anne Kapuscinski	Roscoe Perham	Julien Holt Williamson
Devon Keeney	Jocelyn Poissant	Carol Wood
Jeff Kopplman	Wesley Porak	
James McMenemy	Caird Rexroad	

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## Have You Checked Out the AFS-GS Webpage Lately?

In April I became the interim webmaster for the genetics section website. The home page has been updated as well as the current newsletters and award presentations. Also, many of the archived newsletters are available online. Stale web pages are boring so please feel free to send me updates you would like to see posted! Mail them to: [dan\\_moore@fishgame.state.ak.us](mailto:dan_moore@fishgame.state.ak.us).

Sincerely,  
Dan Moore

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## Graduate Student Assistantship Available

**Graduate Position – Sturgeon Genetics:** A Ph.D. research assistantship including stipend and tuition waiver is available to begin January 2007 in the laboratory of Dr. Ed Heist at Southern Illinois University Carbondale (SIUC) in collaboration with Dr. David Galat at the University of Missouri. The project will involve development of Single Nucleotide Polymorphism (SNP) markers in river sturgeons of the genus *Scaphirhynchus* in relation to conservation of the endangered pallid sturgeon (*S. albus*). This project will form part of a doctoral dissertation in the Department of Zoology (<http://www.science.siu.edu/zoology/>) in conjunction with the Fisheries and Illinois Aquaculture Center (<http://fisheries.siu.edu/>). The ideal candidate will have prior experience with molecular genetics techniques (e.g. DNA sequencing and/or cDNA library construction) and will have an interest in the use of molecular genetics in conservation and fisheries management. Interested students should contact Dr. Ed Heist at [edheist@siu.edu](mailto:edheist@siu.edu).

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## A Blissful Ceremony?

Mr. and Mrs. American Fisheries Society Genetics Section joyfully announce the engagement of their daughter, the AFS Genetics Section Newsletter, to your announcements. The nuptials commence upon the news deadline of **October 27**. The officiating minister can be reached for grant announcements, job ads and symposia topics at [jcarlin@gustavus.edu](mailto:jcarlin@gustavus.edu).

PS – A punk/polka reception will be held shortly thereafter and guests are encouraged to dress in the theme of puce with jaundiced yellow.

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## Calendar of Upcoming Events

### August 2006

- Aug 6-11 — Annual meeting of the Ecological Society of America, **ESA 2006**. Memphis, Tennessee. See [www.esa.org/memphis/](http://www.esa.org/memphis/).
- Aug 10 — Final (extended) registration deadline for "**Hybridization in Animals** - Extent, Processes and Evolutionary Impact." To be held at the J.W. Goethe University, Frankfurt am Main, Germany from 12-15 October. See [www.hybridization.uni-frankfurt.de/](http://www.hybridization.uni-frankfurt.de/) for details.
- Aug 14 — Registration deadline for the 2006 North American Native Fish Association **NANFA National Convention**, to be held 14-18 Sep 2006 in Cape Girardeau, Missouri. See [www.nanfa.org/convention/2006.shtml](http://www.nanfa.org/convention/2006.shtml).
- Aug 19 — Symposium proposal deadline for the 2008 annual meeting of **SICB**, the Society of Integrative and Comparative Biology to be held Jan 2-6 2008 in San Antonio TX. See [www.sicb.org/meetings/2008/index.php3](http://www.sicb.org/meetings/2008/index.php3).
- Aug 21-25 — UCLA Statistical Genetics group short course on **statistical genetics**. UCLA campus, Los Angeles CA. See [www.genetics.ucla.edu/courses/statgene](http://www.genetics.ucla.edu/courses/statgene).
- Aug 22-26 — First **European Congress of Conservation Biology**: Diversity for Europe, Eger, Hungary. Symposia include "Conservation of Marine Biodiversity" and "Diversity of important transboundary wetlands of Europe." See [www.eccb2006.org](http://www.eccb2006.org).
- Aug 25 — Registration and abstract deadline for **SNP Workshop II**. To be held 21-22 Sep, Alyeska Resort, Girdwood, Alaska. See [www.cf.adfg.state.ak.us/geninfo/research/genetics/workshop/snpworkshop06.php](http://www.cf.adfg.state.ak.us/geninfo/research/genetics/workshop/snpworkshop06.php) for details and updates.
- Aug 25 — Abstract deadline for the 99th annual meeting of the **National Shellfisheries Association**. To be held Feb 26-Mar 2 in San Antonio, Texas. See [shellfish.org/meetings.htm](http://shellfish.org/meetings.htm).
- Aug 31 — Registration deadline for **ICES 2006** International Council for the Exploration of the Sea Annual Science Conference, Sep 19-23 in the Netherlands. See [www.ices.dk/iceswork/asc/2006/index.asp](http://www.ices.dk/iceswork/asc/2006/index.asp).
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### September 2006

- Sep 5 — Abstract deadline for annual meeting of the Society for Integrative and Comparative Biology, **SICB 2007**. 3-7 Jan 2007 at the Phoenix Convention Center, Phoenix Hyatt Hotel, Phoenix AZ. See [www.sicb.org/meetings/2007/index.php3](http://www.sicb.org/meetings/2007/index.php3).

- Sep 9-12 — Symposium on **Genomics and the Life Aquatic**, University of Washington's Friday Harbor Laboratories, Friday Harbor WA. See [depts.washington.edu/fhl/centsymp/2006genomics.html](http://depts.washington.edu/fhl/centsymp/2006genomics.html).
- Sep 10-14 — **AFS 136th Annual Meeting**, Olympic Village, Lake Placid NY. See [www.afslakeplacid.org](http://www.afslakeplacid.org).
- Sep 10 — **AFS Genetics Section Annual Meeting**. From 3:00-5:00 p.m. Grandview B room of the Crowne Plaza, Lake Placid NY. See [www.afslakeplacid.org](http://www.afslakeplacid.org) and [www.fisheries.org/genetics/index.shtml](http://www.fisheries.org/genetics/index.shtml) for updates.
- Sep 11-15 — Advanced course on **Design and Analysis of Ecological Experiments**. Univ. Algarve, Faro Portugal. See [www.ualg.pt/ccmar/maree/education.php](http://www.ualg.pt/ccmar/maree/education.php).
- Sep 14-18 — 2006 North American Native Fish Association **NANFA National Convention**, Cape Girardeau, Missouri. See [www.nanfa.org/convention/2006.shtml](http://www.nanfa.org/convention/2006.shtml).
- Sep 18-21 — Third International Symposium on **Stock Enhancement and Sea Ranching**. Westin Seattle Hotel, Seattle, WA. See [www.searanching.org](http://www.searanching.org).
- Sep 19-23 — **ICES 2006** International Council for the Exploration of the Sea Annual Science Conference, the Netherlands. Theme sessions include "Evolutionary effects of exploitation on living marine resources." See [www.ices.dk/iceswork/asc/2006/index.asp](http://www.ices.dk/iceswork/asc/2006/index.asp).
- Sep 21-22 — **SNP Workshop II**, Alyeska Resort, Girdwood, Alaska. See [www.cf.adfg.state.ak.us/geninfo/research/genetics/workshop/snpworkshop06.php](http://www.cf.adfg.state.ak.us/geninfo/research/genetics/workshop/snpworkshop06.php) for details.
- Sep 30 — Poster abstract deadline for the Asia-Pacific Bioinformatics Conference, **APBC 2007**, to be held in Hong Kong from 15-17 Jan 2007. See [www.cs.hku.hk/apbc2007](http://www.cs.hku.hk/apbc2007).
- Sep 30 — Abstract deadline for **Arabian Seas International Conference on Science and Technology of Aquaculture, Fisheries, and Oceanography**, Kuwait from 10-13 Feb 2007. See [www.kisr.edu.kw/stafo/](http://www.kisr.edu.kw/stafo/).
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## October 2006

- Oct 7-9 — The 52nd Annual Systematics Symposium, Missouri Botanical Garden, **Reconstructing Complex Evolutionary Histories: Gene-Species Trees, Historical Biogeography, and Coevolution**. See [www.mobot.org/MOBOT/research/symposium/welcome.shtml](http://www.mobot.org/MOBOT/research/symposium/welcome.shtml)
- Oct 12-15 — International symposium on "**Hybridization in Animals** - Extent, Processes and Evolutionary Impact." J.W. Goethe University, Frankfurt am Main, Germany. See [www.hybridization.uni-frankfurt.de/](http://www.hybridization.uni-frankfurt.de/) for details.

- Oct 15 — Application deadline for **Sigma Xi Grants-in-Aid**. See [www.sigmaxi.org/programs/giar/index.shtml](http://www.sigmaxi.org/programs/giar/index.shtml).
- Oct 17-20 — **15th International Salmonid Conference** sponsored by the Fisheries Management Section, Newcastle, UK. See [www.associationofrivertrusts.org.uk/salmonid\\_conf/index.htm](http://www.associationofrivertrusts.org.uk/salmonid_conf/index.htm).
- Oct 27 — Deadline for submitting news to the **AFS Genetics Section Newsletter**.
- Oct 30 - Nov 3 — International Council for the Exploration of the Sea **ICES Symposium** on Fishing Technology in the 21<sup>st</sup> Century: Integrating Fishing and Ecosystem Conservation, Boston, Massachusetts. See [www.ices2006boston.org](http://www.ices2006boston.org).
- Oct 31 — Abstract submission deadline for the 3rd Biennial Conference of the **International Biogeography Society**, to be held 9-13 January 2007 at Puerto de la Cruz, Tenerife, Canary Islands. See [www.biogeography.org/meetings.htm](http://www.biogeography.org/meetings.htm).
- Oct 31-Nov 3 — 24th **Lowell Wakefield Fisheries Symposium** "Resiliency of **Gadid Stocks** to Fishing and Climate Change." Alaska Sea Grant College Program. Hotel Captain Cook, Anchorage, AK. See [www.uaf.edu/seagrant/Conferences/gadids/index.html](http://www.uaf.edu/seagrant/Conferences/gadids/index.html).
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## November 2006

- Nov 1—Poster abstract deadline for the first international summit on **Evolutionary change in human-altered environments**, on Feb 8-10 2007. Sponsored by the Institute of the Environment, University of California, Los Angeles. See [www.ioe.ucla.edu/cTR/ioesymposium.html](http://www.ioe.ucla.edu/cTR/ioesymposium.html).
- Nov 3-5 — 4<sup>th</sup> Symposium on **Genes in Ecology, Ecology in Genes**. Sheraton Overland Park Hotel, Overland Park KS. See [www.k-state.edu/ecogen/symp2006.html](http://www.k-state.edu/ecogen/symp2006.html).
- Nov 5-8 — 60th Annual **SEAFWA** (Southeastern Association of Fish and Wildlife Agencies) Conference: Wildlife Management in the Next New World, Norfolk, VA. See [seafwa2006.org](http://seafwa2006.org).
- Nov 5-10 — 59th meeting of the **Gulf and Caribbean Fisheries Institute**. Large Pelagic Fishes in the Caribbean Sea and the Gulf of Mexico: Current Status and Integrated Management. Belize City, Belize. See [www.gcfi.org](http://www.gcfi.org).
- Nov 17—Deadline for the NSF **DDIG grant** (Doctoral Dissertation Improvement Grants in the Directorate for Biological Sciences). See [www.nsf.gov](http://www.nsf.gov).
- Nov 19-22 — **Aquaculture Canada 2006**, 23rd Annual Meeting of the Aquaculture Association of Canada. Westin Nova Scotian Hotel, Halifax, Nova Scotia. [www.aquacultureassociation.ca/ac06/welcome.html](http://www.aquacultureassociation.ca/ac06/welcome.html)
- Nov 29-30 — Tenth **Flatfish Biology Conference**. Water's Edge Resort, Westbrook, CT. See [www.mi.nmfs.gov/flatfishbiologyworkshop.html](http://www.mi.nmfs.gov/flatfishbiologyworkshop.html).



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