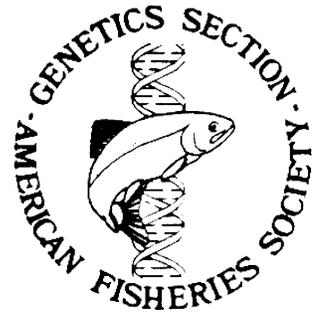




The American Fisheries Society
**Genetics Section
Newsletter**

Volume 25, Issue 1
February 2012



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President's Message

Dear Genetics Section Members,

The future of the American Fisheries Society in general and the Genetics Section in particular depends heavily on the recruitment and retention of the next generation of students and young professionals. This is a simple and true statement. Unfortunately, it poses a problem that is both complex and difficult to answer. Since my first involvement with the section this issue has been a major topic of discussion and has affected many of our decisions. We, as a section, have addressed recruitment and retention in several ways including reduced membership dues and travel grants, but more can be done. However, this is also a volunteer organization relying on "donated" resources of time and energy, so efficient action is a necessity. In the most recent issue of *Fisheries* is an article presenting the results of an informal survey of students and young professionals concerning membership in AFS, Population Characteristics of AFS Membership: Special Focus on the Millennial Generation of Fisheries Professionals (Wuellner and Jackson, February 2012, Vol. 37, No. 2, pp. 60-65). I encourage you to read the survey and consider what you hear from the respondents. After that I'd like to know what you think. How are we doing? What should we be doing? Send me an email (bill.templin@alaska.gov), post a message on Facebook (see below), or, better yet, write an opinion piece for the newsletter. Interaction on this topic now will lead to productive discussions and informed decisions at our next business meeting in August.

This year the national meeting of AFS will convene August 19-23 in the twin cities of Minneapolis and St. Paul, Minnesota. Of the 48 symposia in the schedule, two are being sponsored by the Genetics Section. The first is entitled The Role of Molecular Genetics in Fisheries Management in the Great Lakes and has been organized by **Wendylee Stott, Kim Scribner, Chris Wilson, and Brian Sloss**. The second is Teaming up Atlantic and Pacific Salmonid Biologists to Enhance Recovery of Endangered Salmon in the North has been organized by **William Ardren and John Kocik**. Further descriptions of these symposia are included in this newsletter. As usual, there is an opportunity for a student attending the national meeting to serve as an 'ad hoc' member of the section's Executive Committee. Contact me if you are interested.

The **First Annual Genetics Section Social** at the Seattle meeting was a rousing success and a great time was had by all. Since it was so well received, we plan to continue the tradition with the Second Annual Genetics Section Social at the next meeting. Planning and preparation are just beginning, but help is needed. This is a good opportunity to try out being a volunteer and it doesn't require you to live in Minnesota. Contact **Loren Miller, Meredith Bartron** or me if you have ideas and can help. You'll want to reserve an evening during the week for this opportunity to meet with friends and colleagues as we celebrate. Stay tuned for more information.

This spring is the time to elect new officers for the section under the direction of past-president **Kim Scribner**. Included in this newsletter are candidate biographies for the positions of Secretary-Treasurer and President Elect. Voting in these elections is now electronic for your convenience. I encourage you to read the information and participate in this opportunity to affect the future direction of the section.

It's time once again to encourage students to prepare submissions for the **Wright Travel Award**. For those who are new to the section, this is an annual award intended to recognize excellence in graduate-level work in fisheries genetics which also provides travel assistance for the recipient to attend the national meeting. The section has also arranged to provide a student travel award for the upcoming **Coastwide Salmon Genetics Workshop** (see announcement below). Contact **Bernie May** for more information.

After years of dedicated service, **Joel Carlin** is ready to pass the job as editor of our newsletter on to someone else. If you are looking for a way to be involved with the section and keep your finger on the pulse of the profession this is your golden opportunity. Joel has set the bar high, but he is willing to help with the transition and be a mentor for the new editor.

I was recently contacted by Sarah Fox, the managing editor of *Fisheries* about the possibility of our section providing a regular submission of news relating to genetics and fisheries. Given the increasing importance and application of genetics to fisheries, they would like to begin highlighting the Genetics Section. The article would not need to be extensive (about 120-400 words, but longer if necessary) and could be about a variety of topics: breaking news, an important study, a new technique being used, a how-to description, a good interview subject, etc. If possible they would like something monthly, but every other month would be acceptable. She has also volunteered to provide assistance with writing the article. If you would like to spearhead this effort or know someone who might, please let me know. This is an excellent opportunity to increase the visibility and relevance of our section.

Sincerely,

Bill Templin, *AFS Genetics Section President*

Apply for the AFS Genetics Section Graduate Award in Memory of James E. Wright

The Genetics Section of the American Fisheries Society is pleased to announce the James E. Wright Graduate Award. This award is presented annually by the Genetics

Section at the AFS Annual Meeting and is intended to recognize excellence in graduate-level work in fisheries genetics and to assist graduate students with travel to the national meeting. The section anticipates awarding an award for \$500 to attend the 2012 AFS annual meeting in Minneapolis/St. Paul, Minnesota. All graduate students are encouraged to apply.

Selection will be based on the following criteria:

1. Potential for success in research in fisheries genetics (60%)
2. Anticipated contribution to upcoming annual meeting, e.g. paper, poster, or other contribution (20%)
3. Service to the Society, its Sections, or Chapters (10%)
4. Demonstrated need for travel assistance (10%)

Application Procedure:

1. Applicant must be a full or affiliate member of the Genetics Section at the time of application.
2. Application package should include:
 - a. A brief curriculum vitae including anticipated degree, date of completion, and career goals.
 - b. A statement of the thesis or dissertation and abstract of progress to date.
 - c. The names and addresses of two references familiar with the applicant's background and abilities.
 - d. A statement of previous service to the Society, its Sections, or Chapters, and need for travel assistance.
 - e. A statement addressing anticipated contribution to the upcoming annual meeting.

Deadline for application is: **June 17, 2012**

All application materials should be sent via postal or email to:

Jeffrey B. Olsen, Conservation Genetics Laboratory, U.S. Fish and Wildlife Service, 1011 East Tudor Road, Anchorage, Alaska 99503. Phone (907) 786-3598, Email: jeffrey_olsen@fws.gov.

AFS Officer Elections 2012-2014

This is the official ballot for the election of the American Fisheries Society Genetics Section's President-Elect and Secretary-Treasurer for the period of 2012 to 2014. Please mark and return this ballot electronically to scribne3@msu.edu, or if you prefer to remain anonymous, print the ballot and mail to Kim Scribner, Department of Fisheries and Wildlife, 480 Wilson Rd, 13 Natural Resources Building, Michigan State University, East Lansing, MI 48824-1222. Ballots must be received either electronically or via regular mail by **March 16, 2012**.

Candidates for AFS Officer Elections: President-Elect

Applicant for President Elect: Jeff Olsen

Early in my career I worked 12 years as a fish culturist for a large scale salmon hatchery program in Prince William Sound, Alaska. During that time I became increasingly interested in the genetic concerns associated with salmon hatcheries and ultimately decided to pursue an advanced degree in fisheries genetics. After receiving my PhD from the University of Washington, I returned to Alaska and I am currently a geneticist with the U.S. Fish and Wildlife Service at the Conservation Genetics Laboratory in Anchorage. Our laboratory conducts both applied research and real-time mixed-stock evaluation to support, through genetics, conservation and management of fishes and fisheries in Alaska. I am an Associate Editor of the Transactions of the American Fisheries Society, I have chaired the section's James E. Wright scholarship committee, and I am an affiliate faculty member at the University of Alaska, Anchorage.

Now more than ever genetic data is being used to conduct research on and support conservation and management of aquatic resources. As such, I see the Genetic Section as playing an increasing important role in addressing the society's mission to improve the conservation and sustainability of fisheries resources and aquatic ecosystems by advancing fisheries and aquatic science and promoting the development of fisheries professionals. If elected, I would work to continue moving the section forward in supporting its members and addressing the society's mission. I would focus primarily on three areas. First, encourage and recruit membership. We need to continue to explore ways to increase membership especially among students and early career professionals. Second, encourage, support and recognize peer-reviewed publications. This is one of the best ways of demonstrating the use of genetic data in a conservation or management context to a broad audience. Third, encourage, support and mentor students pursuing careers in fisheries genetics. I think this is the most important role we have and I think the Genetics Section and its' members should be seen as a resource for students to help them prepare for their career.

Applicant for President Elect: Andrew Whiteley

I am currently an Assistant Professor at the University of Massachusetts Amherst, where I run a Conservation Genetics Lab. I received my PhD at the University of Montana and I did postdocs in Juneau, Alaska and Quebec City, Quebec, so I have been involved in fish genetics projects on both coasts of North America and internationally. My lab in Massachusetts focuses on applying genetic principles and techniques to various issues in fish conservation and management. Current projects include development of methods to quantify ecologically-relevant movement of various fish species through culverts, development of eDNA species-detection techniques, development of genetic methods to monitor fish populations, studies of genetic structure, and pedigree-based ecology and evolution studies of fishes.

If elected, I will continue to work to increase participation in the Genetics Section. I will build on previous initiatives to increase student participation along with initiatives to provide mentoring of new student members by active members. I will continue to promote the idea of establishing an electronic forum for announcements for the genetics section. In addition to student support for meeting attendance (Wright

Scholarship) and recognition for the best genetics paper published in an AFS journal (Phelps award), I see dissemination of information about job opportunities and other fish-genetics topics as a key function of the Genetics Section. One idea discussed at the Seattle annual meeting was to establish a listserv similar to evoldir. If a forum has not been established by the time of my Presidency, I would consider a listserv among other less email-cluttering approaches. I would also consider expanding Genetics Section co-sponsorship of new workshops. As an example, eDNA (aquatic sampling and subsequent targeting of environmentally available DNA) has become a potentially extremely important tool for native and nonnative aquatic species detection. I would determine if the Genetics Section could co-sponsor workshops already in development by other groups or at a minimum provide travel awards to such a workshop. I would consider other suggestions for workshop co-sponsorship along these lines.

Candidates for AFS Officer Elections: Secretary-Treasurer

Applicant for Secretary/Treasurer: William Eldridge

I am an Assistant Research Scientist at the Stroud Water Research Center in southeast Pennsylvania. I received a PhD in Fisheries from the UW Seattle, and an MS in Fisheries from the UMN St. Paul. I also worked as a Fishery Geneticist for the Northwest Indian Fisheries Commission in Olympia, WA. I have used genetic theory to reform hatchery practices; molecular markers to describe population structure, to assign population of origin, and for DNA barcoding; and conducted quantitative genetic modeling to assess impacts of selective fisheries. My current research is focused on fish response to rapid temperature change; evaluating the risk posed by pesticides to food fish and consumers in Costa Rica; and determining the effects of riparian habitat to stream fish community structure, function, and dispersal.

I joined the AFS Genetics Section in 1998 and have been maintaining the website since 2008. In 2010 I became an Associate Editor for the TAFS. The Genetics Section and its members have given me and other young researchers great support in our early career development. I have also benefited from the unique opportunity for informal and formal discussion among members at the annual meeting, through the newsletter, and through other Genetic Section supported events. I welcome the opportunity to give back to the fish genetics community and the Genetics Section.

Applicant for Secretary/Treasurer: Wendy Stott

I am a Research Associate at Michigan State University working out of the Great Lakes Science Center in Ann Arbor, MI. I received undergraduate and graduate degrees from Guelph University in molecular biology and a graduate degree from McMaster University where I looked at genetic variation among hatchery strains of lake trout. After completing my graduate work I joined the Ontario Ministry of Natural Resources as an assessment biologist in Algonquin Park and then as an information specialist in the Fisheries Section. In 2001, I returned to research at the Great Lakes Science Center. My current research program involves the use of molecular genetic markers to evaluate species and stock identity and to identify the origins of wild caught fish. Recent projects include, stock structure analysis of Great Lakes forage species, lake whitefish and brook trout, genetic analysis of stomach contents of deepwater sculpin, and mixed stock analysis of naturally produced lake trout from Lake Huron. I am currently an associate editor for the Journal of Great Lakes Research, a publication of the International Association of Great Lakes Research.

I have been involved in the AFS as a student in the Canadian Aquatic Resources Section and then as a member of the Genetics Section. I participate regularly in AFS meetings as a speaker and recently as a judge for the best student paper award. Participation in the AFS helps me interact with other geneticists and helps me understand the needs of the biologists and managers who interact with the Great Lakes Science Center. This position would expand my role as an AFS member, allow me to learn more about the function of different Sections, and allow me to help the genetics section continue to promote the use and understanding of genetics in fisheries management.

Vote on or before March 16, 2012

Meeting Announcement: 2012 Coastwide Salmonid Genetics

The Coastwide Salmonid Genetics Meeting is a biennial forum for presenting advances in genetic techniques as well as empirical genetic research involving salmonids. This conference aims to promote and further improve use of molecular techniques in conservation and restoration of salmonid biodiversity.

The 2012 meeting will be held from July 9th to July 12th at the University of California Davis. There are several hotels within a reasonable walking distance of Putah Creek Lodge and Buehler Alumni Center. If you prefer to stay outside of Davis there are several public transportation options for commuting to Davis and from the airport.

To register, please e-mail your name, affiliation, e-mail address, and meal preference (meat or vegetarian) to bpmay@ucdavis.edu. For payments, contact Kelly Wade at the UC Davis Department of Animal Science by e-mail (kswade@ucdavis.edu) or phone (530-752-4512) for credit card payment OR write a check payable to "Regents of the University California" and mail to: Kelly Wade, Business Office Supervisor, Department of Animal Science, University of California Davis, 1 Shields Ave., Davis, CA 95616

Registration Costs:

- Registration with wine tour \$175 (non-student)
- Registration with no wine tour \$140 (non-student)
- Registration with wine tour \$125 (student)
- Registration with no wine tour \$90 (student)
- Wine tour for SO's (\$35)

Registration fees include a conference program, lunch, and beast roast or veggie evening feast.

For more information, please see the website at http://animalscience.ucdavis.edu/Coastwide/2012_Coastwide_Salmonid_Genetics_Meeting/Home.html.

Symposium Announcement: Role of Molecular Genetics in Fisheries Management in the Great Lakes Region

In 1980, the Stock Concept International Symposium (STOCS) brought together scientists and managers from the United States, Canada, and Europe to synthesize the state of knowledge about the stock concept and examine its potential role in fisheries management and rehabilitation of fish stocks in the Great Lakes region. Genetic methods were highlighted as having great potential to describe genetic variation and population structure in aquatic species. Since STOCS molecular techniques have advanced significantly and continue to play a role in stock assessment in the Great Lakes region. Researchers across the Great Lakes have contributed collected genetic data for numerous species in all lake basins that have contributed significantly to management and rehabilitation efforts. As issues that may impact past rehabilitation efforts and pose entirely new challenges emerge, this is an excellent time to assess the role of population genetics in stock based management of Great Lakes aquatic ecosystems by reviewing past research, examining the use of molecular techniques to address current and emerging issues and to learn about novel approaches that might be used to address emerging (and continuing) challenges. Therefore, we propose a symposium to review the role of population genetics in stock based management and rehabilitation of Great Lakes aquatic ecosystems and to identify and prioritize future issues in fisheries management and rehabilitation in the region that may be addressed using genetic methods. This symposium will bring together AFS members who work in the Great Lakes region on issues concerning stock based management to share ideas and learn more about the use of molecular techniques as well as researchers and biologists who work in other regions.

Organizers:

Wendylee Stott, Michigan State Univ/USGS Great Lakes Science Center, (734) 214-7242, wstott@usgs.gov

Kim Scribner, Michigan State University, 517-353-3288, scribne3@msu.edu

Chris Wilson, Ministry of Natural Resources and Trent University, 705-755-2260, chris.wilson@ontario.ca

Brian L. Sloss, USGS WI Cooperative Fishery Research Unit, University of Wisconsin-Stevens Point, (715) 346-3522, brian.sloss@uwsp.edu

Symposium Announcement: Teaming up Atlantic and Pacific Salmonid Biologists to Enhance Recovery of Endangered Salmon in the North

Salmon hold an iconic status along the Atlantic and Pacific coasts of North America. These fish historically provided critical ecosystem services and substantial economic benefits to these regions. Over harvest, fish passage barriers, habitat destruction, in combination with other factors have resulted in extirpation of approximately 30% of Pacific and over 90% of Atlantic salmon populations in the contiguous United States. Many of these remaining native populations of Atlantic salmon, steelhead, and Pacific salmon are protected under the U.S. Endangered Species Act. Significant population

declines are also occurring on both coasts in southern Canada. This conservation crisis has resulted in extensive research on salmon to inform management decisions associated with recovery of these endangered populations.

There is a large and productive research effort in North America focused on conservation of endangered salmonid populations. Numerous partnerships are in place to facilitate collaborations among researchers within the Pacific and Atlantic salmon research communities. In contrast, opportunities for sharing information between these two communities are less structured and usually occur on a small scale.

We are organizing a symposium to bring together pairs of Pacific and Atlantic salmonid biologists to identify areas where collaboration between these research communities would be beneficial. Each member of the pair will give an oral presentation synthesizing major findings for a management or research topic from a Pacific or Atlantic salmon viewpoint. After the symposium is completed, each pair will co-author a manuscript to distill research from both viewpoints in an effort to identify new perspectives or techniques to enhance recovery of endangered salmon populations. Potential topics include: hatcheries, pelagic ecology, smoltification, fish passage, estuarine environments, ESA listing and recovery, dam removal, landlocked forms, reintroductions, genetics, freshwater ecology, life history variation, population dynamics, fisheries, contaminants, climate change, and aquaculture.

Organizers:

William R. Ardren, U.S. Fish and Wildlife Service, 802-872-0629, william_ardren@fws.gov

John F. Kocik, National Marine Fisheries Service, 207-866-7341, john.kocik@noaa.gov

Minutes from the 2011 Annual Meeting

5 September 2011, Seattle Washington

1. Call to order at 5:32 by Bill Templin – Quorum
2. Approval of 2010 minutes - Overath and Scribner
3. President's Report
 - a. No one from the section was able to attend the Governing Board retreat. The retreat focused on affiliate members to sections (passed a resolution to form committee to study), Gus Rassam retiring from AFS in 2 years, and recent AFS resolutions passed.
 - b. Section activities
 - i. Threatened and Endangered Species policy review – 2 section members are helping
 - ii. Brochure – A section brochure is under development. We are looking for help to finish. There were questions about print vs web, and possibly having a Facebook page.
4. Treasurer's Report – balance \$4,445.11
5. Committees

- a. Standing
 - i. Nominations - Kim Scribner – conducted online, seeking nominations this fall.
 - ii. Program – The Section is sponsoring three symposia and there are many other genetics talks. Recruiting is ongoing for organizers of 2012 symposia. Recommended we request no overlap of genetics symposia.
- b. Ad-Hoc
 - i. Newsletter – Joel Carlin absent. Make contributions to make his job easier.
 - ii. Membership – Kim Scribner. We have reached out to students, may have contributed to increase but we are still mostly Regular members
 - iii. Wright Travel Award – Jeff Olsen. Awards to Caroline Storer (U Washington), Emily Lescek (U Alaska-Fairbanks)
 - iv. Phelps Award – Ken Currens absent. Award to Steven Schroeder et al. Behavior and breeding success of wild and first-generation hatchery male spring Chinook salmon spawning in an artificial stream. TAFS 139:989-1003.
 - v. Website – Willy Eldridge absent. Discussed the importance of the website for Section exposure. Do we need to pay? A hard job for volunteer. Use students instead of regular members? They are often tech savvy and can add as contribution on their cv. Suggested we might offer free membership or partial meeting support to student.
 - vi. Education – no report
 - vii. Resolutions – no report

6. Old business

- a. Listserv – Kim S. The Section initiated years back but no maintenance, need gatekeeper.
- b. Area of expertise list – Bill T. We started list last year and need to add it to web site. It could provide good exposure to other sections.
- c. Other meeting opportunities – Bill T. We should look to contribute to meetings other than AFS parent, e.g., Coastwide, Chapter. Symposia, travel funds, etc.
- d. Propagated Fish in Resource Management 2. Vincent Mudrak (Fish Culture Section). Proposed workshop or symposium as follow up to Use and Effects of Cultured Fishes and PFIRM 1. Requested we add Genetics Section representative to the Steering Committee – Kim Scribner agreed to be our rep.

7. New business

- a. 1st Annual Genetics Social and Fundraiser announcement – to be held offsite at Kell's Tuesday evening.

- b. Hall of Excellence – Meredith Barton. An e-mail was sent describing a proposal for a Genetics Section Hall of Excellence. The Fish Culture and Fish Management Sections have something similar to recognize outstanding achievement. Discussion addressed the bylaws (the committee structure would become part), the nomination process (a standard form on web produced if approved) and how to vote (the committee screens, members vote. Suggestion included a limited number each year or an unlimited slate but approval based on getting a certain % of approvals – Pro sports HOF model).
- 8. Announcements - Bernie May, Coastwide 2012 in UC-Davis
- 9. Adjournment Utter, Scribner 6:34

Respectfully submitted by,

Loren Miller

Genetics Section Secretary-Treasurer

Call for a New AFS-GS Newsletter Editor

Hello,

I close this newsletter with a reflection on our President's message. Beginning professionals have a vital role to play in our section, and their absence diminishes our collective creativity, vitality and adaptability. My first experience with AFS Genetics was when, while a graduate student, I volunteered as the newsletter editor. I knew almost no one in the section (or at least, I could not associate faces with the papers I had read). Now the time has come for me to pass this on to someone else. I welcome any and all volunteers, but I specifically call on those knowledgeable in a broader range of communications. While we need someone to do a newsletter (for oldsters like I have become), I hope that a graduate student might take on the post and expand our efforts. Social media, texting and our own AFSGS smartphone app could be in the future of the section...but only if you add a (very small) amount of time and (a larger amount of) willingness to learn.

If you are interested in doing this small service, please contact myself (jcarlin@gustavus.edu) or **Bill Templin** (bill.templin@alaska.gov). I will be happy to help the new person with the next newsletter(s) if they wish.

Meanwhile, the deadline for the May 2012 issue is on or before **April 25**. Send your notices, announcements and the like to Bill Templin (bill.templin@alaska.gov).

Sincerely,

Joel Carlin

AFS Genetics Section Newsletter Editor (pro tempore)

Calendar of Upcoming Events

February-March

- 2/29 — Abstract submission deadline for **Ichs and Herps 2012**, the joint meeting of the American Society of Ichthyologists and Herpetologists, American Elasmobranch Society, and the World Congress of Herpetology. 8-14 August at Vancouver BC Canada. See <http://wch2012vancouver.com/index.php>.
- 3/2-4 — **SEEC 2012**, the Southeastern Ecology and Evolution Conference. Clemson University, Clemson SC. See: <https://sites.google.com/site/seec2012/home>.
- 3/15 — Spring application deadline for **Sigma Xi Grants in Aid of Research** undergraduate and graduate research grant program. See www.sigmaxi.org/programs/giar/index.shtml.
- 3/9 — Abstract submission deadline for the **American Fisheries Society annual meeting**. 19-23 August at Minneapolis MN. See: <http://www.afs2012.org/>.
- 3/16 — Officer Election voting deadline for **2012-2014 AFS Genetics Section**. Please see candidate biographies and voting instructions in this newsletter.
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April-May

- 4/15 — Abstract deadline for **Coastwide Salmonids Genetics 2012**, to be held 7/9-12 at UC Davis Buehler Alumni Center, Davis CA. Abstract submission deadline is April 15. See http://animalscience.ucdavis.edu/Coastwide/2012_Coastwide_Salmonid_Genetics_Meeting/Home.html.
- 4/15-17 — 68th Annual **Northeast Fish and Wildlife Conference**. Charleston Marriott Town Center, Charleston WV. See www.neafwa.org/.
- 4/23 — Deadline for poster abstracts for **SMBE 2012**, the Annual Meeting of the Society for Molecular Biology and Evolution. June 23-26 at Convention Centre Dublin, Dublin Ireland. See <http://www.smb2012.org/>.
- 4/25 — Submission Deadline for the **AFS Genetics Section Newsletter**. Contact the AFS president Bill Templin (bill.templin@alaska.gov) with news announcements.
- 4/27 — Early registration deadline for the **North American Congress for Conservation**, sponsored by the Society for Conservation Biology. Oakland CA. See <http://www.scnacongress.org/>.
- 4/30 — Early registration and student abstract/travel award deadlines for the first Joint Congress on Evolutionary Biology (aka '**Evolution 2012**'), includes the *American Society of Naturalists* (ASN), the *Canadian Society for Ecology and Evolution* (CSEE) the *European Society for Evolutionary Biology* (ESEB), the *Society for the Study of Evolution* (SSE), and the *Society of Systematic Biologists* (SSB). July 6-10 at Ottawa Convention Centre, Ottawa ON Canada. See <http://www.confersense.ca/Evolution2012/index.htm>.
- 5/25 — Final abstract submission deadline for **Evolution 2012**. July 6-10 at Ottawa Convention Centre, Ottawa ON Canada. See <http://www.confersense.ca/Evolution2012/index.htm>.
- 5/31 — Regular registration deadline for **Ichs and Herps 2012**, the joint meeting of the American Society of Ichthyologists and Herpetologists, American

Elasmobranch Society, and the World Congress of Herpetology. 8-14 August at Vancouver BC Canada. See <http://wch2012vancouver.com/index.php>.

June-July

- 6/6-10 — First Joint Congress on Evolutionary Biology (aka '**Evolution 2012**'), includes the *American Society of Naturalists* (ASN), the *Canadian Society for Ecology and Evolution* (CSEE) the *European Society for Evolutionary Biology* (ESEB), the *Society for the Study of Evolution* (SSE), and the *Society of Systematic Biologists* (SSB). Ottawa Convention Centre, Ottawa ON Canada. See <http://www.confersense.ca/Evolution2012/index.htm>.
- 6/17 — Application deadline for the 2012 Genetics Section **Graduate Award in Memory of James E. Wright**. See this issue for more details.
- 6/18-22 — **MCEB 2012**, the meeting for Mathematical and Computational Evolutionary Biology. Hameau de L'Etoile, France. See <http://www.lirmm.fr/mceb2012/index.php>.
- 6/23-26 — **SMBE 2012**, the Annual Meeting of the Society for Molecular Biology and Evolution. Convention Centre Dublin, Dublin Ireland. See <http://www.smb2012.org/>.
- 7/9-12 — **Coastwide Salmonids Genetics 2012** at UC Davis Buehler Alumni Center, Davis CA. See http://animalscience.ucdavis.edu/Coastwide/2012_Coastwide_Salmonid_Genetics_Meeting/Home.html.
- 7/15-18 — **North American Congress for Conservation**, sponsored by the Society for Conservation Biology. Oakland CA. See <http://www.scbnacongress.org/>.



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