

# NEWSLETTER Winter 2007

## Message from the President

Happy new year!

It has been a great year for the Physiology Section of AFS, so before we begin to look ahead, lets reflect back for a moment on 2006.

Of course, the highlight for the Section in 2006 was the VIIth meeting of the International Congress on the Biology of Fishes, which was held last July in St. Johns, Newfoundland. The Congress was attended by 513 delegates (and 18 guests) from 32 different countries. Of the 513 delegates, 339 (67%) were students. The Congress presented 24 symposia that ranged in scope from ecological (“Telemetry:Tracking Fish in Nature”) to molecular (“Genomic and Proteomic Approaches in Fish Biology”). A good time was had by one and all.

A large number of individuals worked very hard to make this meeting a success, and co-hosts Bill Driedzic and Kurt Gamperl, as well as perennial congress organizer Don MacKinlay deserve special thanks for their hard work in the organization of a truly spectacular Congress. Top left co-host Bill Driedzic addresses the congress attendees, right Congress Organizer Don MacKinlay enjoying himself at the Congress banquet, lower left, Congress co-host Kurt Gamperl (left) and Jay Nelson strike a handsome pose.

### Student Awards

The Physiology Section of the American Fisheries Society was able to award \$33,000 US to students and post-doctoral fellows to attend the Congress and present their research. The source of this largesse was a generous \$9300 allocation from the Executive Committee of the Physiology Section and grants of \$14000 and \$10000 awarded to Jay Nelson from the United States National Science Foundation and Department of Agriculture, respectively (Jay is pictured above with Kurt Gamperl).

Travel award recipients included: Amelie Gravel, Brian Sardella, Bruce Gavin Marshall, Caroline Mimeault, Catarina Isabel de Matos Martins, Chelsie Estey, Christopher Cooper, Corey A. Handelsman, Cory Suski, Damien Raingear, Donald E. Portz, Eider Bilbao, Emily Coolidge, Fumi Katoh, Haude Levesque, Jane Windfeldt Behrens, John William Mandelman, Katherine I.R. Butts, Keith B. Tierney, Koji Murashita, Linda Hanson, Martin Tresguerres, Mason Dean, Mélanie Dionne, Nathan Miles, Neelakanteswar Aluru, Paul Ashley, Paul Craig, Rikke Birkedal, Rosalind A. Leggatt, Steven J. L. Xu, Tracey S. Momoda, Wendy Tymchuk, William Tse Ka Fai, Zerihan Desta.

Some of the travel award recipients pose for a photo with Jay Nelson.

In addition to the travel awards given to students, awards were also given out to

students who were judge to have the best students posters or oral presentations. Award recipients (O indicates oral presentation, P indicates poster) were and the symposium in which they presented were: Advances in Fish Biology, Jason Treberg (O), Rainie Sharpe (P); Biomarkers of Environmental Pollution in Fish, Bones and Teeth, Eider Bilbao (O); Biomineralisation in Fish from Microscopy to Design of Materials, Mason Dean (P); Capture and Discard/Release of Fish: Behavioural and Physiological Aspects, John Mandelman (O); Cardiovascular Physiology, Erik Sandblom (O); Early Life History Stages of Fish, Shaun Killen (O); Genetically Modified Fish: Effects of Ectopic Gene Expression on the Biology of Fishes, Peter Raven (O), Rosalind Leggatt, (P); Hypoxia Tolerance in Fish: Effects of Chronic and Intermittent Hypoxia, Jane Windfeldt Behrens (O); Impacts of Contaminant Exposure on Fish; Molecular Mechanisms to Ecotoxicology, Rainie Sharpe (O), Andrea Lister (P); Integrative Physiology of Migrating Fishes, Aurelie Vettier (O), Aurilie Vettier (P); Ion and Acid-Base regulation in fish, Martin Tresguerres (O); Linking Fish Biology to Improved Performance in Finfish Aquaculture, Mohammad Ali Nematollahi (O), Christine Verhille (P); Molecular, Cellular and Neuroendocrine Responses to Stress in Fish, Russ Carpenter (O), Amelie Gravel (P); North Atlantic Fish, Isabel Costa (O), Marieve Desjardins (P); Olfactory and Chemosensory Communication in Fish: From Mechanisms to Behavior, Jenifer McIntyre (O), Hiroshi Hino (P); Proteomic and Genomic Approaches in Fish Biology, Kristina Vuori (O); Telemetry: Tracking Fish in Nature, Matthew Windle (O); Tropical Fish Biology, Monika Patel (O), Nishlanha Ana Dos Anjos (P); Welfare of Fish, Sofia Brockmark (O), Natalie Newby (P).

Some of the student awardees take a moment and pose for a photo with Section President Alan Kolok.

The students were not the only individuals that received honors at the Congress. At the AFS Physiology Section meeting, Jay Nelson received the Distinguished Service Award, and the past president plaque was awarded to Dr. Kurt Gamperl. At the Banquet Tony Farrell and Pat Walsh received the Award of Excellence in Fish Physiology.

A meeting of the minds. Left hand photo. From left to right, incoming Physiology Section Secretary/Treasurer Matt Mesa, shares a beverage with 2008 Congress Host Alec Maule, ex-Secretary/Treasurer Terry Barry, and Distinguished Service Award recipient, Jay Nelson (right).

Award of Excellence in Fish Physiology award recipient Tony Farrell shares a moment with Chris Kennedy and Trish Schulte.

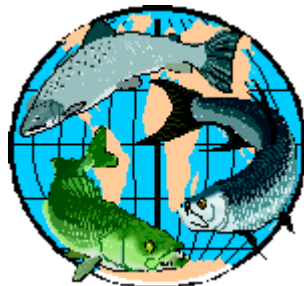
While the VII International Congress was a great success, the future of the Physiology Section looks equally bright. Our perennial Secretary/Treasurer, Terry Barry, after many years of service to the Section has stepped down from the position, Many thanks to Terry for all of his years of service.

The position of secretary/treasurer is now in hands of Matt Mesa, who began his tenure in the position this month.

**Upcoming meeting and symposia that may be of interest include:**

- The Physiology Section will be co-hosting a research symposium with the Fish Culture Section at "Aquaculture 2007" (March 1 & 2, 2007, San Antonio, TX). The title of the symposium is "Physiological Insights Toward Improving Fish Culture". An impressive group of scientists will be participating (~50 talks). See the line up at <http://www.fisheries.org/units/phs/papers.htm>
- The Physiology section will be hosting a research symposium at the 2007 annual American Fisheries Society meeting in San Francisco (September 2-6) entitled "A tribute to Joe Cech" (does anyone have the exact title here?). Consult the AFS web page for details in February.
- Details on the 8th International Congress on the Biology of Fishes will be available soon, as will a call for symposium titles. Consult the website listed below for details.

That's all for now. Have a prosperous New Year and we look forward to seeing you in Portland.



**Congress on the Biology of Fish  
Portland, Oregon, USA**

**July 28 – August 1, 2008  
Doubletree Hotel**

**Meeting Information &  
Call for Symposium Proposals  
available March 2007 via:**

<http://www-heb.pac.dfo-mpo.gc.ca/congress/>