

Newsletter of the AFS Ontario Chapter

President's Message

What a way to start a term as president . . . to be associated with the AFS Outstanding Chapter Award, formal announcement of the 2008 AFS Annual Meeting in Ottawa and the recent unveiling of a new logo reflecting our representation of fisheries professionals across the province. First let me introduce myself - despite my accent and use of terms strange to Ontario's, please let me assure you I am Canadian boy. However, after an undergrad degree at the University of Guelph, I left for Louisiana to pursue graduate degrees at Louisiana State University (**Geaux Tigers!!!**) and then worked on fisheries assessments in the Gulf of Mexico. The time away does lead to a few differences from the boy who grew up in southern Ontario. A common thread through my time away from Ontario, and then upon my return, was my membership in the American Fisheries Society and participation in local chapters in Louisiana and Ontario. AFS is a wonderful way to connect and maintain contact with fisheries professionals locally and internationally; it helped me maintain an Ontario connection.

Regarding the Ontario Chapter's recent successes, they would not have been possible without a group of dedicated team of volunteers – the Executive Committee (ExComm) both past and current. I would like to acknowledge key individuals who have played significant roles over the past few years, including the past presidents - Brian Hindley, Mike Roy, Rob Steele, Dave Green - and Shari Wiseman (vice president). These individuals had a vision for the Southern Ontario Chapter to become the Ontario Chapter and by reaching this goal we were further rewarded with acknowledgement from the parent society in the form of the Outstanding Chapter Award and the honour of co-hosting the 2008 AFS Annual Meeting in Ottawa. It is a pleasure to be associated with such a dedicated and enthusiastic group and I look forward to maintaining the momentum.

Despite the excellent news of the past year we had a setback over the summer with the closure of the Leslie M. Frost Centre in Dorset. It had served as the location of our Annual General Meeting (AGM) since the inception of the Southern Ontario Chapter in 1988. Its closure will leave a gap in natural resource education and outreach in the province. While we will miss the Frost Centre and its hospitality, we plan to broaden our range of meeting loca-



AMERICAN FISHERIES SOCIETY ONTARIO CHAPTER

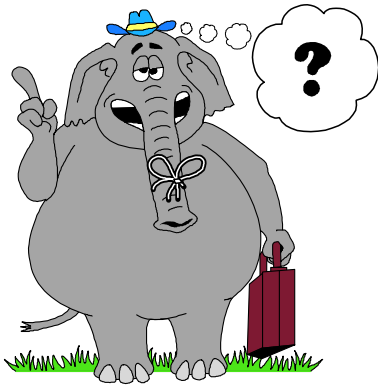
tions and move the AGM around the province, further exposing the Ontario Chapter to areas we have not been seen in as often in the past. The ExComm is working to secure a site that will provide a cost effective and comfortable setting for our 2005 annual meeting.

We also announced the creation of the E.J. Crossman Award at our 2004 AGM to acknowledge Dr. Crossman's efforts in fisheries at all levels. The award goes to the outstanding student presentation or poster at the annual meeting. In a recent note I received from Mrs. Margaret Crossman, she expressed extreme gratitude in recognizing her late husband and assured us that he would be honoured by the award.

I would like to welcome Warren Dunlop to the ExComm as president elect; with all the activities planned we will have a eventful year. I also encourage all members to visit the website (<http://www.afs-oc.org>) as it is a great resource with lots of links, current news and information. We welcome items that you feel would be of interest to our members such as meeting announcements, useful fisheries related links or other items. Please do not hesitate to contact us and we will post them on the website and/or include them in the newsletter. Finally, I want to ask you to spread the word about the Ontario Chapter and encourage colleagues and coworkers to join (especially if they are parent society members as our dues are only an additional \$5).

-Regards, Dave Stanley





Reminders

AFS-OC HISTORY:

As we enjoy our recent successes as a chapter, we are also interested in looking back at our past. We hope that any of you who have information concerning the Ontario Chapter's history will pass it on us (or at least a copy of it!). We are interested in photos, anecdotes, old documents, registration forms, or just about anything else you might have. This includes artifacts from the old Northern Ontario Chapter as well as the Southern Ontario Chapter. Bill Gardner is in the process of collecting historical information to put together a more detailed history of the chapter and he would greatly appreciate anything you have to offer. Thank you very much to those of you who have already come forward with material. Contact Bill at: history@afs-soc.org
(705) 942-2848 (work)
(705) 254-6270 (home)

We look forward to hearing from you!!!

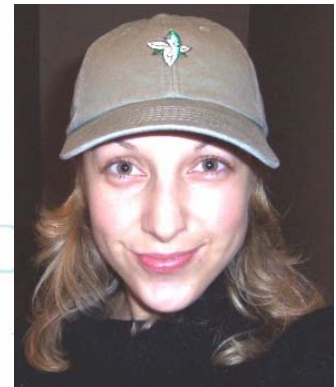
MEMBERSHIP:

Membership renewal time is upon us. Many of you will have received your renewal reminder from the parent society already. Currently, our membership sits at 111 members, which is very good but we can do better. With our chapter co-hosting the 2008 AFS Annual Meeting it is more important than ever to maintain a strong membership base. If you haven't already done so, we encourage you to log onto www.fisheries.org and renew now!



AFS-OC Swag

You know you want one! For sale next year through your AFS-OC executive committee - official AFS-OC embroidered hats! Wow your colleagues and make your friends jealous...available only at the 2005 AFS-OC Annual General Meeting.



Modeled by: Shari Wiseman, AFS-OC Vice President

Kids' Fish Art Contest - For The Kids In Your Life !

The Ontario Ministry of Natural Resources, along with a number of corporate Partners, is sponsoring an artwork contest for the design of the Young Angler's Licence.

The contest is open to all grade four to twelve students who are residents of Ontario. There are a number of great prizes, including RESP's. So, if you have any kids in your life who are interested in fish & art, get them involved in the Kids' Fish Art Contest.

The contest deadline is December 20th, 2004. Rules, prize details, entry forms and more information can be found on the contest website:
<http://fishandwildlife.mnr.gov.on.ca/contest/>

AFS-OC 2005 Annual General Meeting **March 4th-6th, 2005 "Fisheries Connections"**

The 2005 AFS-OC AGM will be held over the weekend of March 4th-6th, 2005. Your Executive Committee is already hard at work making preparations for the event. In keeping with the theme of the 2005 AFS Parent Society Annual Meeting in Anchorage (*Creating a Fisheries Mosaic: Connections Across Jurisdictions, Disciplines, and Cultures*) we've chosen the theme: "Fisheries Connections" and will be working over the next few months to put together a programme to rival the excellent one we had at the 2004 AGM.

The daytime programme will in-

clude oral and poster presentations. Student presentations will be eligible for the E.J. Crossman Award for the Best Student Oral or Poster Presentation, which was established at the 2004 AFS-OC Annual General Meeting.

The annual business meeting will be held on Saturday evening, followed by a social mixer and networking opportunities. Perhaps the "Lost Anglers" might find their way back to the meeting!

Attendance at AFS-SOC annual meetings has been on the rise for the last few years and we're hoping that the 2005 meeting will ri-

val the very successful 2004 meeting. The closing of the Leslie M. Frost Natural Resources Centre this past summer means that your Executive Committee is busy exploring a number of other excellent venues. We hope to confirm the location of the meeting in the near future (see the website for updates).

If you are interested in making a presentation (oral or poster), or have a suggestion for a topic or speaker, please contact Warren Dunlop, Ontario Ministry of Natural Resources (705-755-5944, or email: president-elect@afs-soc.org)

2004 Names of Fishes Update

Changes to the names of Ontario fishes according to Nelson et al. 2004¹

Previous Name

Name Change

blacknose dace

eastern or western blacknose dace
(based on distribution)

*Rhinichthys atratulus*²

Rhinichthys obtusus (western species)

Catostomus commersoni

Catostomus commersonii

chinook salmon

Chinook salmon

Prosopium coulteri

Prosopium coulterii

Cottus bairdi

Cottus bairdii

Myoxocephalus thompsoni

Myoxocephalus thompsonii

Stizostedion canadense

Sander canadensis

Stizostedion vitreum glaucum

Sander vitreus glaucus

Stizostedion vitreum

Sander vitreus

¹Nelson, J.S., E.J. Crossman, H. Espinosa-Pérez, L.T. Findley, C.R. Gilbert, R.N. Lea, and J.D. Williams. 2004. Common and scientific names of fishes from the United States, Canada, and Mexico. American Fisheries Society, Special Publication 29, Bethesda, Maryland. 386 p.

² Scientific name valid for *eastern* blacknose dace

Common and scientific names of fishes from the United States, Canada, and Mexico can be purchased at the AFS Bookstore (<http://www.fisheries.org/>)



Madison Follow-Up: Reflections on the 2004 Annual Meeting of the American Fisheries Society

For those of you fortunate enough to attend the 134th Annual Meeting of the American Fisheries Society in Madison you would have undoubtedly recognized the overwhelming success of the meeting, the quality of the presenters and posters, the professionalism and commitment of the Wisconsin Chapter, the beauty and class of the Monona Terrace and the friendliness and warmth of an amazing city. I was also thrilled to see the strong representation from Ontario, both in attendees and presenters. It simply was a great event that continues to set the bar extremely high for the hosts of upcoming Annual Meetings. A sneak peak was provided for the upcoming Annual Meeting in Anchorage, Alaska in 2005 – Creating a Fisheries Mosaic: Connections Across Jurisdictions, Disciplines and Cultures. If the location isn't enough to draw people, there is no doubt that the theme and supporting presentations and symposia will be outstanding.

I am pleased to report that the bid made to the Time and Place

Committee to host the 2008 Annual Meeting was a resounding success. Representatives from the Ministry of Natural Resources, the Ontario Chapter and the City of Ottawa developed and presented a very professional and unified bid that left the committee openly impressed. This bid was very well supported by the North Central Division and the Canadian Aquatic Resource Section (CARS). The Time and Place Committee was excited to inform us that the 138th Annual Meeting of the American Fisheries Society will be held August 16-20, 2008, in Ottawa. This news marks the beginning of a very involved effort to make this meeting successful. The Ontario Chapter has a very significant role, which should be incentive to maintain the momentum we have developed over the last few years. The role and responsibilities of the Ontario Chapter will be discussed and understood in the near future, so frequently check the website and newsletters for details.

During the Annual Business Meeting, the Ontario Chapter was awarded the Outstanding Chapter Award (less than 100 members) alongside the Colorado-Wyoming Chapter (more than 100 members). This certainly reflects recognition of the efforts we have made and success we have achieved as a Chapter. It also greatly helped our standing in the face of the 2008 bid. The challenge for us now is to win the Chapter of the Year Award (more than 100 members) this year and to really show them who we are and what we are capable of.

The other important message to bring back to our membership is the idea of "connections" – the theme for 2005. With Ottawa 2008 around the corner there is no better time than now to expand and improve our communication with the Parent Society, Division and Sections. There is an ever-increasing need for our membership to take charge and interact with other groups as Ontario Chapter representatives to show our support and participation in the industry.

Know Your Student Representatives

We are very happy to have 4 student representatives this year from a variety of schools. For all you student members out there, know that these reps are here to answer your questions and voice student interests or

concerns to the AFS-OC executive committee. So use them to your advantage and don't be afraid to put them to work! Contact any or all of them at:

student-rep@afs-soc.org

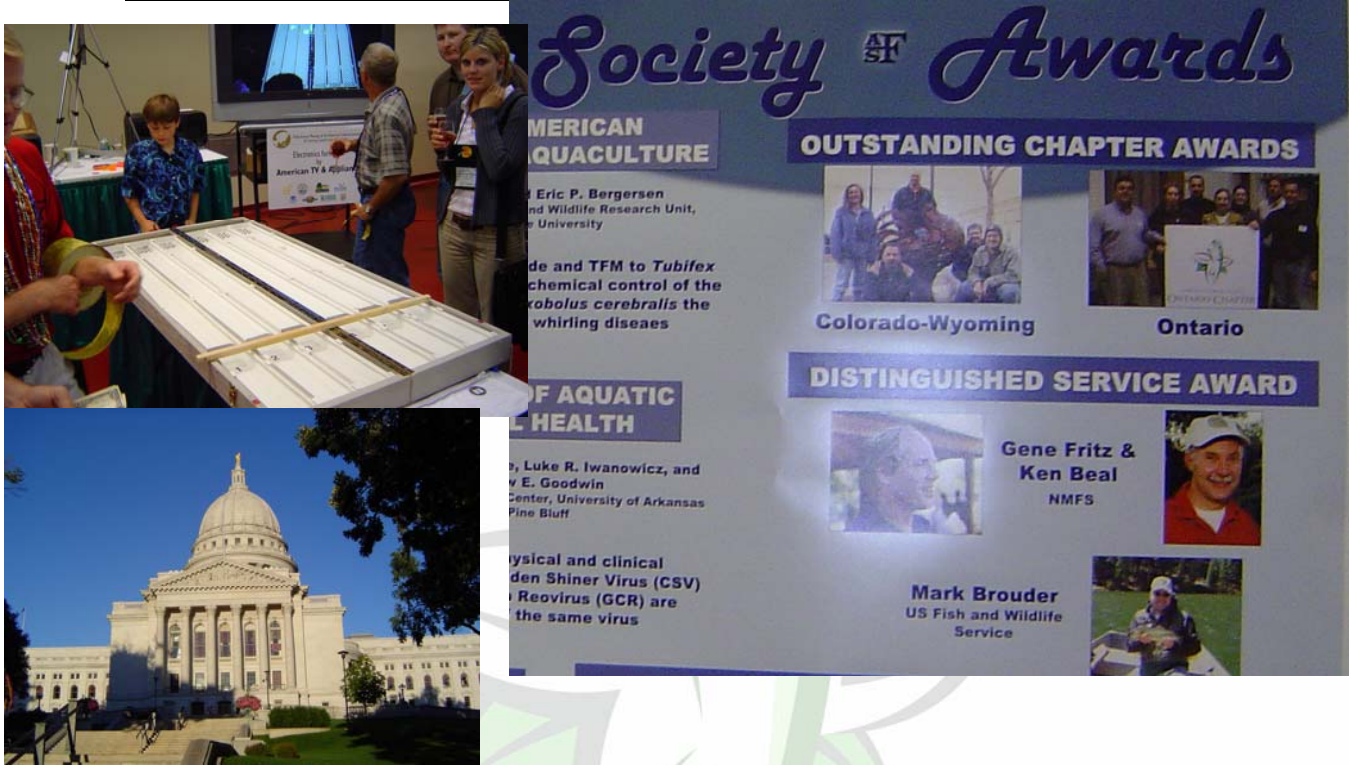
Mark Poos: University of Toronto

Nick Lapointe: University of Windsor

Lynn Bouvier: University of Guelph

Andrew Drake: University of Waterloo

Madison Follow-Up: Moments From the Meeting



Royal Ontario Museum's Ontario Fish Identification Workshop

The Royal Ontario Museum is again providing an opportunity for students and fisheries professionals to improve their fish identification skills. Staff in the Ichthyology Section will conduct 3-day workshops from April 27-29 and May 2-4, 2005 at the University of Toronto. If you

have any questions, or would like to register, contact Erling Holm or Mary Burrigge at: workshop-ichthyol@rom.on.ca 416-586-5760 (Erling) 416-586-5531 (Mary)

AMERICAN FISHERIES SOCIETY

CCFFR and SCL - Windsor, ON - January 6th-9th, 2005

We are very lucky to have the Canadian Conference for Fisheries Research (CCFFR) and the Society of Canadian Limnologist (SCL) meetings being held in Ontario this year. Windsor is host to the 2005 meetings and has planned a series of sessions with themes that we think our AFS-OC members would consider highly relevant. The sessions focus on a wide

range of fisheries topics including the following: Issues in Great Lakes Water Quality and Fisheries, Aquatic Species at Risk, Food Webs and Fisheries, as well as Fisheries Policy and the Protection of Native Fishes, amongst several other sessions.

The registration deadline is December 01, 2004 with registration being \$165 (students \$125).

After December 1st, the late registration fee is \$215 (students \$150).

Additional information can be found on their web-site: <http://www.phys.ocean.dal.ca/ccffr/> which includes a full list of session themes, registration forms, as well as, venue and hotel information.

Member Research

By Erin Dunlop, Ph.D. Candidate
Department of Zoology, University of Toronto
Research and Experience in the Young Scientist Summer Program (YSSP) , Austria

From June through August 2004, I had the wonderful opportunity to participate in the Young Scientist Summer Program (YSSP) at the International Institute of Applied Systems Analysis (IIASA) in Laxenburg, Austria. The program is held each summer and allows Ph.D. students in a variety of disciplines to conduct research at the institute under the guidance of a senior scientist. I worked with Dr. Ulf Dieckmann and the Adaptive Dynamics Network (ADN) on an evolutionary model of size-selective harvest in sport fish. This research will comprise a core component of my PhD thesis, being conducted at the University of Toronto with Drs. Brian Shuter and Helen Rodd.

Recent research has suggested that due to its highly size-selective nature, commercial fishing can cause evolution towards smaller sizes and younger ages at maturation (Grift et al. 2003, Olsen et al. 2004). Maturation earlier in life at smaller sizes will cause reduced yield and a poorer-quality fishery. Furthermore, these types of evolutionary responses can occur relatively quickly but can take a long time to reverse, which might explain the poor recovery of many exploited marine stocks (Hutchings 2000). Surprisingly, no study to date has considered that recreational fisheries may also pose a similar threat. During the YSSP this summer, I chose to study the potential for size-selective mortality by anglers to cause evolution of maturation in the smallmouth bass (*Micropterus dolomieu*), a highly targeted sport fish. I used the new concept of a probabilistic maturation reaction norm (Heino et al. 2002) to disentangle plastic effects from evolutionary responses to harvest. To explore the effects of angling harvest on the evolution of maturation reaction norms, I used an individual-based model, parameterized with data from two well-studied Ontario smallmouth bass populations (from Provoking and Opeongo lakes in Algonquin Provincial Park). The results indicate that harvest of individuals above a minimum size limit (25 cm) causes evolution of the maturation reaction norm towards smaller sizes at maturation for ages 3 and 4. Increasing the minimum size limit still causes evolution but to a lesser degree. Encouragingly, imposing a protective slot limit or combined minimum and maximum size limits, significantly reduces the speed of evolution. Therefore, viable management strategies that reduce the possible negative evolutionary effects of angling include raising the minimum size limit, imposing a protective slot limit and imposing a combined minimum and maximum size limit.

IIASA is currently accepting applications for the 2005 YSSP and interested students are encouraged to apply. I found the program to be extremely valuable and enriching. Information about IIASA, the Adaptive Dynamics Network and the YSSP can be found at: <http://www.iiasa.ac.at>

References:

- Grift, R.E., Rijnsdorp, A.D., Barot, S., Heino, M. and Dieckmann, U. 2003. Fisheries-induced trends in reaction norms for maturation in North Sea plaice. *Marine Ecology-Progress Series* 257: 247-257.
- Heino, M., Dieckmann, U. and Godo, O.R. 2002. Measuring probabilistic reaction norms for age and size at maturation. *Evolution* 56: 669-678.
- Hutchings, J.A. 2000. Collapse and recovery of marine fishes. *Nature* 406: 882-885.
- Olsen, E.M., Heino, M., Lilly, G.R., Morgan, M.J., Brattey, J., Ernande, B. and Dieckmann, U. 2004. Maturation trends indicative of rapid evolution preceded the collapse of northern cod. *Nature* 428: 932-935.

International Institute of Applied Systems Analysis
(IIASA), Laxenburg, Austria

