

Newsletter of the AFS Ontario Chapter



President's Message

Greetings Folks, Happy Spring!

There are lots of interesting things going on in the Ontario Chapter these days. This newsletter contains articles on several important issues that we are facing. One of the most important issues deals with the nomination for our next President-Elect. This person will serve as President from September 1st, 2008 to August 31st, 2009, after Jack Imhof's Presidency. Please read the notice on page 5 and if you have an interest and some experience leading teams, I would encourage you to consider this position. I recently received 2 letters from the Society's head office in Bethesda, Maryland. The first letter was in regards to our recent bylaw changes, (minor housekeeping issues), while the second dealt with the creation of the Student Subunit. The letters indicated approval from the Board of Governors for changes to the bylaws, and creation and adoption of bylaws for the Ontario Student Subunit. This is great news for the Chapter, as well as the students. I would like to congratulate Lynn Bouvier who took an idea (Ontario needs a Student Subunit) and through plenty of hard work saw it come to fruition. Mary Finch-Histed (Student Subunit *pro tem* President) has written an article detailing the creation and plans for the Subunit. Planning for the 2008 AFS meeting, to be held in Ottawa August 17-21, is progressing well. The OMNR and the Chapter are co-hosting the meeting and an article on page 7 outlines the activities to date. There will be lots of opportunities (and the need) for volunteers so stay tuned. Our President-Elect, Jack Imhof, has prepared a synopsis of the Chapter AGM (held March 1-3, 2007 in Orillia). I would like to congratulate Jack for the wonderful program that

he assembled and also the entire Executive Committee for providing exceptional support to Jack including logistical and business-related work. The E.J. Crossman Award winner was Mr. Mason Marchildon while the Ontario Bass Federation Nation Award winner was Mr. Mark Poos. Congratulations to both. I encourage those who were unable to attend the AGM to read the article beginning on page 2 and also visit the website (<http://www.afs-oc.org>) where you can download a PDF of the programme. If you have an interest in being involved with biologists from other jurisdictions that work with similar species, I encourage you to check out the article on the North Central Division Technical Committees. The Chapter requires a few volunteers to sit on the various committees (see page 12). It is an exciting time in this profession, as things are finally beginning to turn around, after so many years of funding cutbacks and downsizing. Have a safe and productive field season.

Cheers,
Bill Gardner president@afs-oc.org



2007 AFS-OC AGM Synopsis

“Applying Inter-disciplinary Science on the Ground: Theory and Practice”

Despite the worst winter storm to hit southern Ontario over the past several years, almost 100 brave souls battled the elements to join us for our AGM and Workshop at Geneva Park this past March 1-3, 2007.

We on the organizing committee were listening to the weather reports over the several days preceding the meeting with some trepidation. I am an Intellicast junky and weather nut at the best of times, so watching the advance of the weather was both fascinating and worrisome. I had decided to head up by noon on Thursday and a quick perusal of the Intellicast webpage and looping radar indicated that I might make it up before the bad weather arrived. Well, due to one thing or another, I didn't leave Georgetown till 1:15PM by which time the storm had hit and the roads were already becoming slippery and dangerous. That very fine, granular snow that looks like sugar was falling and as it hit the windshield, it smeared and froze: not a good sign.



The roads were bad as I left town and headed up and across on the King Road north of Town. By the time I passed through Bolton, I was out of the storm and had clear roads and high overcast all the way to Orillia. I got into my room around 3:30PM, sat down and looked across Lake Couchiching. I could see the south end of the lake for about 5 minutes and then a great white sheet smothered the far shore and within 10 minutes the storm had caught up to me.



Our beloved leader, Bill, as well as Jon and a few other brave souls from the Executive Committee arrived near the same time. By 7:30 that evening, there were only 8 of us and I was very worried. Worried about people NOT coming AND worried about people that were coming and having to drive through the storm.

By 11:00 that night, some of our speakers and another 40 people had arrived and we knew that things would work out. I was concerned though that some had taken over 5 hours to travel what would normally have taken 2 hours.

By the next morning, more people arrived and all our speakers, both professionals and students were there, despite the horrible conditions and poor driving. As far as I know, no one, including Courtney who drove from Windsor, or the contingent that came all the way from Ottawa, had any major problems.

Our theme this year was *“Applying Inter-disciplinary Science on the Ground: Theory and Practice”*. Applying good science on the ground usually requires a multi-disciplinary team. Real life issues and management solutions are complicated and do require the expertise of a number of disciplines. Many of the major presentations and several of the student papers focused on



2007 AFS-OC AGM Synopsis ...continued



the interesting applications that can be developed when we begin working between the silos. For example, the presentations by Dr. Bill Annable on the Redhill Creek project, Wolfgang Wolter on the Natural Channel projects in southern and northern Ontario sparked some interest. Papers by both Mason Marchildon and Eric Michell focused on the activities of an engineer and geologist trying to unlock the secrets of groundwater distribution using fish scales and the functioning and characteristics of fish spawning areas using hydroacoustic Doppler technology.

Les Stanfield and Christine Tu demonstrated an approach to landscape and local habitat analysis using tools developed through the Ontario Stream Assessment Protocol. Paul Norris presented the range of opportunities for biologist becoming available as hydro-electric development occurs on the north.

Dr. Andrea Bradford, a professor of engineering from the University of Guelph presented some major work that she is doing to develop a framework for identifying environmental flow needs in rivers and streams. The role of riparian systems from a geo-chemical, biological and forestry perspective was presented by forest ecologist, Dr. Andy Gordon, and Dr. Michael Wilkie unlocked the secret of the physiological mechanism of lampricide on sea lamprey.

The remaining student papers were superb, well designed and presented. They ran the gamut from the explanation for the greenside darter paradox on the Grand River watershed, issues of conservation ecology of fish species-at-risk, to determination of the impacts of barotrauma and winter dissolved oxygen level issues in bass. All in all, it was a stimulating and interesting workshop.



I would be remiss in not placing the credit for the quality and success of the workshop on the speakers: they braved the elements and one of the worst winter storms in several years to be at the AGM and make it a success. To them, on behalf of the entire Executive Committee, I wish to pass on my thanks and appreciation.

In closing, I would like to admit that I had an ulterior motive to this workshop. The motive was to introduce many of our younger members to the relationship of other disciplines to our areas of interest and to spark interest in the Chapter in developing a set of workshops and training sessions with these other disciplines. Les Stanfield and I spoke about some ideas for a workshop next spring and the Executive Committee has endorsed the idea. The Education Subcommittee will be reviewing the idea and we will be reporting back to all of you in a later newsletter about the proposed idea. Stay tuned!



Jack Imhof

P.S. If you attended the 2007 AGM, please complete and return the survey presented on page 14 of this newsletter.

2007 AGM Student Award Winners

In honour of Dr. E.J. Crossman, the AFS-OC established the E.J. Crossman award for the Best Student Presentation at the 2004 Annual General Meeting. Dr. Crossman was well-known for his invaluable contributions to fisheries research as a world-renowned ichthyologist, coauthor of the *Freshwater Fishes of Canada*, Professor Emeritus at the University of Toronto, Curator Emeritus at the Royal Ontario Museum, and long-standing member of the American Fisheries Society.

Each year, this award is given for the best oral presentation delivered at the AGM by a graduate or undergraduate student enrolled at a university or college, with special consideration given to those projects emphasizing the research interests of Dr. Crossman. The award consists of a copy of the *Freshwater Fishes of Canada*, a one year membership with AFS, as well as a \$250.00 travel bursary to support the student's attendance to a major scientific meeting of their choice.

At the 2007 AGM, this award was presented to Mr. Mason Marchildon, a student of Dr. Bill Annable in the Department of Civil Engineering of the University of Waterloo. Mason presented a extremely interesting paper, entitled "*Hydrodynamic Properties of Brown Trout and Rainbow Trout Redds*". His abstract is printed on page 5 of this newsletter.

Mason will be using his travel bursary to support his attendance at the World Environmental & Water Resources Congress, which is hosted by the American Society of Civil Engineers and will be held on May 15th-19th, 2007 in Tampa, Florida.

The Ontario Bass Federation Nation (OBFN) sponsors an award for the best student poster. This year's winner was Mr. Mark Poos. Mark is pursuing PhD studies with Dr. Don Jackson at the University of Toronto. He presented a poster entitled "*The Mismeasure of Functional Diversity: The importance of choice*". The abstract for his poster is provided on page 6 of this newsletter.

As in previous years, the adjudicators were impressed with the quality of all the student oral and poster presentations making choosing a winner very difficult.

Warren Dunlop
past-president@afs-oc.org



Bill Gardner, Ontario Chapter President (left) and Jason Barnucz (right), presenting the OBFN Student Award to Mark Poos (middle).



Mary Finch, Ontario Student Subunit President (left), presenting the E.J Crossman Award to Mason Marchildon (right).

Member Research

M.A. Marchildon, W.K. Annable

Department of Civil & Environmental Engineering, University of Waterloo, Waterloo, Ontario, Canada, N2L 3G1

Phone: 519-888-4567 x 32955, Email: wkannabl@uwaterloo.ca

Hydrodynamic Properties of Brown Trout and Rainbow Trout Redds

This study examines the hydrodynamic properties of river spawning fish nests commonly referred to as redds. Little is known about the hydrodynamic properties, spatial location preference and persistence of such structures, relative to flow complexity and channel morphology under varying flood conditions. Many biological studies and inventories of brown trout (*Salmo trutta*) and rainbow trout (*Oncorhynchus mykiss*) have been conducted which identify that redds are typically found in riffle and run morphologies of gravel bed streams, however, the site specific fluid and sedimentological properties of fish staging locations and nest persistence remain unknown.

An approximate 1km reach of Whitemans Creek in Southern Ontario has been studied in great detail to elucidate the hydrodynamic properties of redds immediately after spawning has taken place and throughout a series of higher discharge events while the ova remain in the nests. A Pulse Coherent Acoustic Doppler Profiler (PCADP) was used in conjunction with a 20 cm square sampling grid suspended above a series of redds, in a non-invasive manner, to measure the boundary layer shear and three dimensional velocity profiles within the limits of each redd and the surrounding region. Three dimensional velocity profiles have been constructed at each redd where 210 discrete velocity profiles are measured within each nest. Pavement samples were collected in the region surrounding each redd to characterize the sediment transport processes and tractive force conditions of the channel bed proximal to each redd location.

Results are presented for the fall 2006 brown trout. Findings will be presented that address the stability of the redd shape and persistence over a series of high discharge events in addition to the flow dimension complexity in redd location selection.

Nominations Open for President-Elect

Each September a new AFS-OC Executive Committee takes over the reins. For the upcoming 2007-08 term, there will be a single vacancy – **President-Elect**. Nominations for the position opened on May 1st, 2007 and will close May 31st, 2007. An email vote will be held during the month of June.

This is a great opportunity to support your Chapter and Society. Please consider running for office. See the bylaws on our website for a full description of the duties of the position (<http://www.afs-oc.org/>). If you know a colleague that you feel would make a good Executive Officer, talk to them about running.

Stay Informed... Visit the AFS-OC website

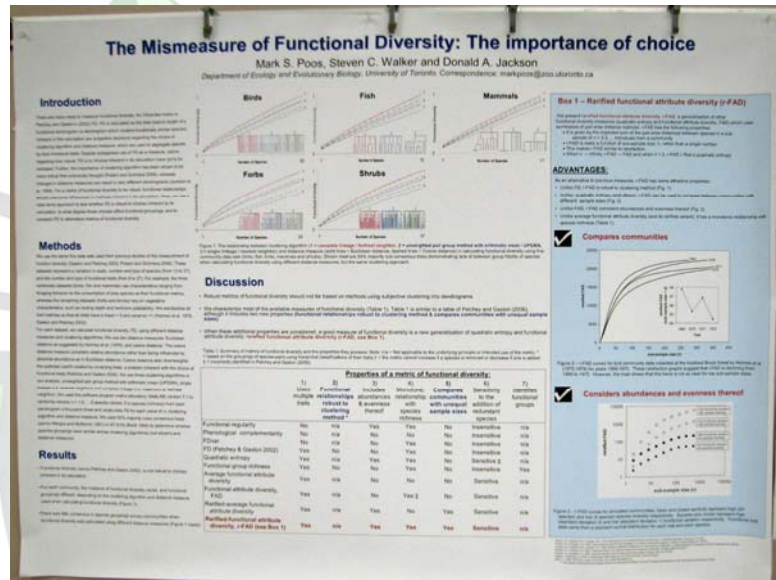
VISIT the AFS-OC website (<http://www.afs-oc.org>) often and keep up-to-date on the latest news, employment opportunities, conferences and workshops. Our webmaster works very hard to keep the information current. Check out the **Events and Conferences** page for the latest in ongoing fisheries happenings.

Member Research

Poos, M., S. Walker and D. Jackson
 Department of Ecology and Evolutionary Biology, University of Toronto, Toronto, Ontario, Canada.
 Email correspondence: markpoos@zoo.utoronto.ca

The Mismeasure of Functional Diversity: The importance of choice

Measuring of functional diversity is a means to determine potential losses in ecosystem function caused by decreasing biodiversity. To date, different approaches to quantify functional diversity have been hindered by the lack of a good metric, which encompasses the relationship between relevant functional traits of species. Recent metrics of functional diversity rely on clustering techniques, where species traits are segregated in multivariate space using the total branch length of a functional dendrogram. Such methodologies are based on the implicit assumption that the decisions inherent in the analyses are minor compared the differences among species and traits. Here, we evaluate whether current metrics of functional diversity are robust to different choices in the measure of resemblance or clustering used. We use five field data sets from previously published studies measuring functional diversity, as well as simulated data where functional relationships were pre-defined, to quantify the changes in the total branch lengths of functional dendrograms. Our results indicate that current metrics of functional diversity are not robust to decisions regarding choice of resemblance and clustering methods. The choice of clustering algorithm or distance measure not only have major impacts on the grouping of species based on functional traits, but can alter functional groups completely. As the metrics of functional diversity are used to evaluate and quantify redundancies amongst species traits, we caution researchers in their use of current metrics of functional diversity for species assessments and their related management implications.



SURVEY



**Take the
 Great Canadian Baitfish Survey
 TODAY!**

Help Fisheries and Oceans Canada, the Bait Association of Ontario, the Ontario Ministry of Natural Resources and the University of Toronto understand what, where and how Canadians use baitfish for angling.

Complete the survey at www.surveymonkey.com/bait_survey.

2007 AGM Auction

Congratulations to the 2007 AGM Auction Winners

Josef MacLeod and Amber Cornfield were the winners of the Grand Prizes at the 2007 Annual General Meeting Auction. Josef won complimentary admission to the 2007 Royal Ontario Museum's Fish Identification course (a \$425 value!), which was generously donated by Erling Holm, Assistant Curator of Fishes at the ROM. Amber won a 52 week subscription to the Globe and Mail (a \$350 value!). Congratulations Josef and Amber!

This year's Annual General Meeting Auction was extremely successful and raised over \$760. The Auction would not have been possible without the generosity of the AGM swag sponsors, who collectively donated more than 100 prizes. The funds that were raised from the auction will be used to support the newly-formed Ontario Chapter Student Subunit, which is designed to promote the involvement of students at Ontario colleges and universities in the activities of the American Fisheries Society, and in fisheries events and opportunities throughout Ontario.

Be sure to visit our web site (<http://www.afs-oc.org>) for Student Subunit updates! Cheers and many thanks to all who participated.

Andrew Drake
student-secretary@afs-oc.org



AFS 2008 UPDATE

Members of the AFS 2008 Organizing Committee met with American Fisheries Society staff April 2-4, 2007 in Ottawa. Included in the AFS delegation were Dr. Mary Fabrizio, President-Elect, and Gus Rasmussen, Executive Director. The meeting included a progress report from all committee chairs, a tour of facilities, tourist sites and possible social venues with a representative from Ottawa Tourism. Some highlights include:

- Conference will run from August 17-21, 2008.
- Official theme will be "*Fisheries in Flux*"
- The Ontario Chapter is being asked to raise approximately \$81,000. The local Chapter will receive a portion of any profits.
- Projecting 1,400-1,800 attendees.
- Major social, buffet and reception will be held on Monday night in the Great Hall at the Museum of Civilization.
- Student social will be held on Tuesday night.

Volunteers are being sought to participate and assist on any of the committees which have been established to date. These include: Social Committee (Tracy Smith), Communications Committee (Burton MacClelland), Fundraising Committee (Deb Martin-Downs), Local Arrangements Committee (TBD), Program Committee (Mark Ridgway/Nigel Lester), and the Student Committee (TBD). Please contact these committee chairs or the general meeting chair (Dave Maraldo) if you are interested in getting involved.

Keep checking the website (<http://www.afs-oc.org>) for the latest AFS 2008 developments!

AFS-OC Student Subunit News

We are official! Yea! Official status for the Student Subunit of the Ontario Chapter was granted at the end of March. All students that are members of the Ontario Chapter are now members of the newly created Student Subunit. Welcome everyone! AFS members have been very supportive of the creation of the subunit and we would like to thank: the OC Executive Committee for all their guidance, professors who signed our petitions, Lynn Bouvier for her vision and tireless support, and of course everyone who voted on the bylaw changes that allowed for the creation of the subunit.

The subunit was responsible for organizing this year's AGM silent auction. We raised \$760 thanks to the generous support of all of our sponsors and conference attendees. Thank you very much to everyone who bought tickets at the AGM.

Now that the Student Subunit is official, it is time to start fulfilling our objectives. Our goal is to encourage student participation in fisheries activities throughout the province. The subunit will have a strong presence at the 2008 AGM in Ottawa. Mike Donaldson (*pro tem* Vice President) and our faculty advisor, Dr. Steve Cooke, are involved in planning student activities and are going to rely on the subunit for support.

I encourage all student members to browse the Ontario Chapter website (<http://www.afs-oc.org>). Look for the Student Subunit page and follow the link to the Google Group discussion forum. This forum will provide the students with the opportunity to discuss fisheries-related topics and is designed to encourage cohesiveness among fisheries students across the province. We are looking for a subunit webmaster that would be interested in maintaining the subunit webpage as well as helping our AFS-OC webmaster Rob Eakins. If anyone has any web design experience and is interested in helping out, be sure to contact Rob at webmaster@afs-oc.org. This would be a great way to get involved in the subunit.

Finally, we are actively seeking new members, so if you know of any students who might be interested, please let them know about the Ontario Student Subunit!

If you have any suggestions for the subunit, please feel free to contact a member of the Subunit Executive. Contact information can be found on the Student Subunit page on the Ontario Chapter website.

Mary Finch
Student Subunit *pro tem* President
student-president@afs-oc.org



2007 John E. Skinner Memorial Fund Award

The John E. Skinner Memorial Fund was established in memory of John Skinner, former Chapter and Western Division American Fisheries Society President. The fund provides monetary travel awards for deserving graduate students or exceptional undergraduate students to attend the American Fisheries Society (AFS) annual meeting. The 2007 meeting will be held in San Francisco, California from September 2 to 6.

Any student who is active in fisheries or related aquatic disciplines is eligible to apply. Awardees are chosen by a committee of the AFS Education Section. Selection is based on academic qualifications, professional service, and reasons for attending the meeting. Travel support (up to \$800 per award) will be made available to successful applicants. Award winners will also receive a one year paid membership to the American Fisheries Society.

Completed applications must be received no later than May 11, 2007. Limit all answers to the space provided. Additional material will not be considered in evaluating applicants. The application form can be found at: <http://www.fisheries.org/afs/awards/skinner2007.rtf>

Link to award announcement (click on John E. Skinner Memorial Fund Award):
<http://www.fisheries.org/afs/awards.html>

For more information about the Skinner Award contact:

Craig Paukert
 USGS, Kansas Cooperative Fish & Wildlife Research Unit
 205 Leasure Hall, Division of Biology
 Kansas State University
 Manhattan, Kansas 66506
 785-532-6522 (direct)
 785-532-7159 (FAX)
cpaukert@ksu.edu

AFS-OC Swag! Get your Hats and Pins Here!

Impress your friends and colleagues - Support your AFS-OC now!

Ontario Chapter baseball caps and lapel pins are now available for purchase from your Executive Committee.



Cost: Baseball Cap **\$20.00**
 Lapel Pin **\$3.00**

If you would like to place an order for a baseball cap or lapel pin, please contact Heather Lynn (secretary@afs-oc.org).



The View From Up Here

The St. Marys River is only 125 km long, but what a hotbed of activity it is! As everyone knows, Lake Superior flows into Lake Huron, and the St. Marys River is the name given to the connecting channel between the two lakes. The river is essentially divided by industrial infrastructure (5 locks that span the width of the river and power generation dams) at the rapids (the **World Famous** St. Marys rapids, if you are into angling!). The story of the St. Marys river has been told in several books and articles detailing the industrial, cultural (both aboriginal and Euro-centric) and biological changes that have occurred. The river is listed as a Canadian Heritage River due mostly to the thousands of years of Aboriginal settlement and use of the river but also because it played such a significant role during the fur trade. It was during the fur trade that the first industrial development occurred when the North-West Trading Company built a canoe lock around the rapids in 1798.

The river is listed as an Area of Concern (one of 43 AOC's) by the International Joint Commission (IJC), and is recognized as a vital link in the transportation sector. Everyday there are lake freighters, tour boats, and pleasure boats that use the river for all sorts of commerce and pleasure. Of course, with all this activity brings the concern that invasive species may add to the impairments already identified by the IJC.

This summer, as in previous years, there are plans by a wide variety of agencies, for all sorts of biological studies on the river: The Department of Fisheries and Oceans' sea lamprey Control Centre and Great Lakes Lab, Environment Canada, Ontario's Ministry of Environment and Ministry of Natural Resources, Lake Superior State University, Michigan's Department of Natural Resources, the United States Fish and Wildlife Service, a number of native organizations on both sides of the river, plus many other Universities and consulting firms. All will be working on projects, collaboratively or alone, that are aimed at understanding or restoring the biological complexities of the river. There are also the numerous citizens groups, including the Binational Public Advisory Committee, the Sault

Naturalists, and the Frog Watch, all involved with projects that evaluate or enumerate the biota.

Summer sees an explosion in the number of anglers, from both sides of the river, who spend time pursuing almost every species imaginable, from Pacific salmonids to Atlantic salmon, from walleye to yellow perch. Autumn is the time when the hunters begin their use of the river for hunting waterfowl.

In spite of all of the activity on the river, the St. Marys River still attracts hundreds of bird watchers, sail boaters, SCUBA enthusiasts, swimmers, rowers, and kayakers/canoists that take advantage of the calmness and splendour of the river.

Come up (that's upstream by the way!) and see it for yourself, and if you do, please drop into the office for a cup of tea or coffee.

Until next time, happy fishin'.

Bill Gardner
president@afs-oc.org



Educational Opportunities

Ontario Freshwater Mussel Identification Workshop

JUNE 19 & 20, 2007

Canada Centre for Inland Waters, 867 Lakeshore Rd, Burlington, Ontario.

Have you ever wondered how to tell the difference between a Pimpleback and a Purple Wartyback? A Fat Mucket and a Mucket? Fisheries and Oceans Canada with support from Environment Canada and the Royal Ontario Museum/University of Toronto is pleased to present the Ontario Freshwater Mussel Identification Workshop providing you with the opportunity to refine your mussel identification skills. This two day workshop will provide an introduction to the anatomy, biology and ecology of Ontario's freshwater mussels with special emphasis on the 10 COSEWIC listed Species at Risk.

The program is organized to provide an introduction to the 41 species of Ontario mussels, provide insight into key features used in identification and maximize participants' hands-on experience. The workshop is designed around a *Species at Risk* theme and we encourage the use of non-destructive external shell characteristics for identification whenever possible. Day 1 will provide participants with an introduction to the basic biology and ecology of freshwater mussels, techniques for mussel identification, important shell features, species-specific differences, and provide key characters to be used when identifying specimens. Day 2 will permit participants to put their newly acquired skills to use during a field excursion.

The Sydenham River is the richest mussel river in Canada and will allow participants the opportunity to see up to 30 species including 9 of Ontario's mussel Species at Risk. Participants will be introduced to a variety of field sampling procedures and will be able to practice their identification skills under field conditions.

The cost for the Workshop is \$200. **Registration Deadline is May 15th, 2007.**

Please make cheques payable to the Receiver General and attach it to your registration form.

For further details contact:

Todd Morris
Great Lakes Laboratory for Fisheries and Aquatic Sciences
Fisheries and Oceans Canada
867 Lakeshore Rd,
Burlington, ON
L7R 4A6

Ph: 905 336-4734
Fax: 905 336-6437
email: morrist@dfo-mpo.gc.ca



NCD Technical Committee Update

The American Fisheries Society is divided into four Divisions (North Central, Northeastern, Southern and Western). Each Chapter is slotted into one of these Divisions. The Ontario Chapter is part of the North Central Division (NCD). One of the roles that the NCD plays is to serve as a focal point for the dissemination of information concerning important resource issues. One method that they do this is through Technical Committees. There are 7 committees and a typical representative would be someone who has either a professional or personal interest in the subject area. Recently, I have approached (or been approached by) various people about assuming a role on behalf of the Chapter. I am pleased to announce that the following people will be representing the Ontario Chapter on some of the NCD Technical Committees:

Technical Committee	Ontario Chapter Representative
Rivers and Streams	Mark Cece
Salmonid	Silvia D'Amelio
Walleye	Tim Haxton
Centrarchid	vacant
Esocid	vacant
Ictalurid	vacant
Genetics & Biodiversity	vacant

As you can see, there are some vacancies. If you would be interested in representing the Chapter on one of these committees please email me at president@afs-oc.org and I will forward your name to the chair of the committee.

2006-2007 AFS-OC Executive Committee

President	Bill Gardner	President-Elect	Jack Imhof
Past-President	Warren Dunlop	Vice President	Jon Clayton
Secretary	Heather Lynn	Treasurer	Lynn Bouvier
Northern Member-at-Large	Rob Mackereth	Membership Chair	Warren Dunlop
Newsletter Editor	Debbie DePasquale	Webmaster	Rob Eakins
Education Chairs	Dave Green; Jason Barnucz		

Student Subunit Executive (*pro tem*)

Mary Finch (President)
Mike Donaldson (Vice President)
Andrew Drake (Secretary / Treasurer)

To contact any member of the Executive Committee or Student Subunit visit our website (<http://www.afs-oc.org>).

Conference Calendar

[14th Annual International Conference on the Great Lakes / St. Lawrence River Ecosystem](#) (May 15-17, 2007) Cornwall, ON

[1st General Meeting of the Canadian Society for Ecology and Evolution](#) (May 17-20, 2007) Toronto, ON

[4th North American Reservoir Symposium](#) (June 06-09, 2007) Atlanta, GA

[2nd International Symposium on Diadromous Fishes](#) (June 18-21, 2007) Halifax, NS

[30th Congress of the International Association of Theoretical and Applied Limnology](#) (August 12-18, 2007) Montreal, QC

[137th American Fisheries Society Annual Meeting](#) (September 02-06, 2007) San Francisco, CA

[Wild Trout IX Symposium](#) (October 09-12, 2007) West Yellowstone, MT

[Mining and the Environment Conference IV](#) (October 20-27, 2007) Sudbury, ON

[14th A.D. Latornell Conservation Symposium](#) (November 14-16, 2007) Alliston, ON

[68th Midwest Fish and Wildlife Conference](#) (December 09-12, 2007) Madison, WI

[138th American Fisheries Society Annual Meeting](#) (August 17-21, 2008) Ottawa, ON

139th American Fisheries Society Annual Meeting (August 30-September 03, 2009) Nashville, TN

Ontario Freshwater Fishes Life History Database

The AFS-OC is proud to be affiliated with the Ontario Freshwater Fishes Life History Database (OFFLHD). Once hosted by the Ontario Chapter, the OFFLHD now has its own domain (www.fishdb.ca). This website is an unparalleled source of information concerning the fishes of Ontario. Researchers, consultants and students alike agree this interactive searchable database provides a valuable resource to all those interested in Ontario freshwater fishes.

The OFFLHD is a fully searchable database for all Ontario and adjacent Great Lakes freshwater fishes including introduced, extirpated and extinct species. It contains current information pertaining to life history, habitat, size and age, distribution, status, reproduction and nomenclature for 150 species, 3 subspecies and 2 established hybrids. The website also includes photographs, range maps, notes, references, glossary of terms and related web links.

Try it out for yourself by clicking the OFFLHD logo on the Ontario Chapter homepage, or directly by visiting <http://www.fishdb.ca>. Explore, learn and enjoy.

The Ontario Freshwater Fishes Life History Database was created and is maintained by Rob Eakins, webmaster@afs-oc.org.



2007 AFS-OC AGM SURVEY

2007 marked the third year that the Ontario Chapter of the American Fisheries Society has held its' Annual General Meeting in Orillia. Members of the Executive Committee felt that it was time to prepare a short survey to find out what the members thought of the event, facilities and program. Please circle your response for each question.

SPEAKERS AND PRESENTATIONS

1. I found the presentation topics worthwhile and interesting:

Strongly agree Agree Undecided Disagree Strongly Disagree

2. I would like to see more presentations added in future years:

Strongly agree Agree Undecided Disagree Strongly Disagree

3. I would like to see more presentations from students in the future:

Strongly agree Agree Undecided Disagree Strongly Disagree

FACILITIES AND FOOD

4. The accommodations at Geneva Park met my expectations:

Strongly agree Agree Undecided Disagree Strongly Disagree

5. The food at Geneva Park met my expectations:

Strongly agree Agree Undecided Disagree Strongly Disagree

6. I would prefer to stay at Geneva Park in the future:

Strongly agree Agree Undecided Disagree Strongly Disagree

OVERALL EVENT

7. The event was well organized:

Strongly agree Agree Undecided Disagree Strongly Disagree

8. I feel the AGM was too long:

Strongly agree Agree Undecided Disagree Strongly Disagree

9. I feel the cost of the AGM was too high:

Strongly agree Agree Undecided Disagree Strongly Disagree

GENERAL COMMENTS

Thank you for completing this short survey. **Please fax to Jon Clayton at (905) 670-2210.** The results will be compiled and presented in the next newsletter. If you would like to be contacted regarding your responses please include your name and email address.