



# Atlantic International Chapter

## NEWSLETTER

Vol. XXX No. 1

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### **President's Message**

First, I wish all members, their families and friends a Happy, Healthy, and Prosperous New Year! Second, I would like to thank all who attended the 2002 Annual Chapter Meeting in Tracadie-Sheila, New Brunswick, and applaud our hosts the New Brunswick Department of Natural Resources and Energy, Fish & Wildlife Branch. In particular I would like to acknowledge the hard work of Kathryn Collet (newly elected Vice-President), Pam Seymour, and Peter Cronin of the local arrangements committee, and G. Russell Danner, Brandon Kulik, Peter Cronin (again), and Joan Trial (Brandon's stand-in) for their work in pulling together the program and serving as session chairs. I would also like to thank Norm Dube, the immediate Past-President for his leadership over the past year and his help and guidance to the new President. Congratulations are also in order for Steve Shepherd who was re-elected as our Secretary/Treasurer.

This is an exciting year for the Atlantic International Chapter of the American Fisheries Society. We will be the host chapter for the 2003 American Fisheries Society Annual Meeting to be held in Quebec City, Quebec, Canada on August 10-14, 2003. This offers us an opportunity to highlight our Chapter before an International audience. We are one of two cross-border chapters in the Society. I believe we benefit from this unique affiliate by sharing of common fisheries resource issues and experiences, viewed from the independent perspectives of two great nations, five provinces, and three states. At our Annual Chapter Meetings we gather to exchange information, debate issues (these can get quite lively at times), and most importantly enjoy each others company. I also believe we all walk away from these meetings with a greater respect, understanding, and appreciation for the work we do as fisheries scientists, educators, administrators and professionals.

Did I mention the 2003 American Fisheries Society Annual Meeting? I trust most of you received my special address sent out via email last December forwarding Stephanie Lachance's request for help with the arrangements and conduct of the meeting. If not, well you're in luck for here it is again. The theme for the meeting is "Worldwide decline of wild fish populations". The host agency is the Société de la faune et des parcs du Québec, and Stephanie is the General Chair for the meeting.

Stephanie has requested help in the following areas:

1) Supporting the Annual AFS Raffle (I hope to recruit Chapter members to serve on this committee. Please contact me if you are interested in helping out or can offer a donation or contact for a raffle prize);

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There's still time to register for the 2003 meeting! THE AFS Annual Meeting—  
August 10-14 2003!

2) Finding moderators for the technical sessions (a number of members have contacted Stephanie or myself to volunteer, but I trust more help is needed);

3) Recruiting students to be paid A/V technicians (This can help the student members with the expense of attending the meeting, and in addition the Chapter will provide stipends of up to \$100 US for 5 student presenters);

4) Spreading the word about the meeting (contact Stephanie for meeting fliers, posters, and additional information); and

5) Giving lots of money (I really don't expect members to reach into their pockets and come up with a bundle of cash, but if you know of any organizations or groups that would sponsor a social or coffee break I am sure Stephanie would love to hear from you).

Contact information:

Stephanie Lachance, M.Sc., Biologiste  
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Tél: 418-521-3955 poste/ext. 4463  
Télé/Fax 418-646-6863  
courier élec/e-mail.: [stephanie.lachance@fapaq.gouv.qc.ca](mailto:stephanie.lachance@fapaq.gouv.qc.ca)

Remember, since the 2003 AFS Annual Meeting will be hosted by the Chapter, we will be combining our annual Chapter meeting with the AFS Annual Meeting (i.e., NO September Chapter meeting, but we will schedule our regular annual business meeting during the AFS Meeting). So I expect to see you all at the 2003 American Fisheries Society Annual Meeting in Quebec City, Quebec, Canada on August 10-14, 2003. I also strongly encourage (beg) you to lend a hand in any way you can. Even if you just make a couple calls and solicit some raffle prizes, it would be a great help.

Let us all join in the activities of this coming year and make the Annual Meeting one our Chapter can be proud to say "we had a hand in its success". Best Wishes in the New Year.

Larry Miller, President

### AFS Symposium on Atlantic salmon

Daniel Boisclair

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Dear colleagues, friends, and future friends,

Things went a bit faster and a bit easier than I anticipated... and that's just fine!

I am pleased to inform you that the organizers of the 2003 annual meeting of the American Fisheries Society have confirmed that the symposium titled 'Status of Atlantic salmon: populations and habitats' has been accepted and that this symposium will be part of the programme of the meeting to be held in Quebec City, August 10-14 2003. As mentioned in my last message, I have sent a copy of the proposed talks/manuscripts to the Canadian Journal of Fisheries and Aquatic Sciences. CJFAS confirmed their interest in producing a special issue of their journal based on talks presented during our symposium.

The symposium currently has 50 oral presentations by 128 authors from 8 countries (Canada, Finland, France, Norway, Russia, Spain, UK, US). An alphabetic list of authors has been attached to my message (first authors, and presumed presenters, are identified with an \*asterisk\*; do not hesitate to contact me if I have made some errors regardless of their nature). I had received 56 propositions and I would like to thank those who accepted to merge talks or to diminish the number of presentations made by them or by members of their laboratory. This allowed me to attain the target of 50 talks which, at a rate of 20 talks per day (each with 15 minutes talk + 5 minutes question period), will result in a 2.5 day symposium (no concurrent session!). The symposia will also innovate with 'freelance-speakers' -speakers who, while they are not even listed on the official programme for lack of time-slots, will have talks ready to present just in case there are cancellations! There are currently two such speakers, including myself.

Of the 50 oral presentations, 46 are expected to result in manuscripts that will be sent to CJFAS for peer review evaluation. Submission deadline is June 1st 2003. The exact procedure regarding submission will be transmitted to you in early 2003. The freelance-speakers may also submit manuscripts to be submitted in the special issue of CJFAS.

Suggestions and tips:

- 1) Start writing your manuscripts.
- 2) Do not forget to register yourself as participants to the 2003 annual meeting of the American Fisheries Society (I am not sure when the appropriate website of AFS [[www.fisheries.org](http://www.fisheries.org) ...if I remember correctly] will allow

this but I guess it will take few more months). Information about hotel reservations will also appear on this web site.

3) You do not need to try to register yourself or your talk to the symposium itself. These things will get done though me and I will send files to AFS organizers to make sure that the symposium and the fifty talks appear on the programme.

4) If you expect to present a talk in another session of the 2003 annual meeting of the American Fisheries Society, mention this to AFS organizers in charge of programme. The schedule of our symposium will not be modified to accomodate these situations but the schedule of general sessions will be (or so am I told).

Looking forward to see you all in Québec!

Very best regards,

Daniel

## CHAPTER NEWS

### Our Annual Meeting

New Brunswick was pleased to host the 28<sup>th</sup> Annual Meeting of the Atlantic International Chapter in Tracadie-Sheila, September 22-24<sup>th</sup>. Approximately 55 people came to participate in the meeting entitled "Homeland Security – Do You Know What Is In Your Water." The meeting was held at Complexe les Deux Rivières, situated on the Big Tracadie River in the Acadian Peninsula. The facility is new, casual and comfortable with great cabins and fabulous food – all the makings for a good AIC meeting.

Sunday evening saw the usual informal session with papers on striped bass, buffer zone management, mummichogs and an overview of NBDNRE's hatchery facility. This was followed up by the even more informal session



at Cabin 6 where liquid libations and merriment ensued. The weather was unseasonably warm, especially for the coast, allowing a great time to be had outdoors.

The meeting started with words of welcome from the

Honourable Mr. Elvy Robichaud, Member of the Legislative Assembly from Tracadie-Sheila. Monday was broken into two sessions "Exotic Aquatics" and "Biosecurity at Home and in the Field." A variety of interesting and informative papers were given in these sessions.

The weather again cooperated Monday evening and the majority of the crowd enjoyed a 2 hour cruise aboard "The Cajun," a replica Mississippi river boat. Some of the crowd were furiously engaged in a card game aptly named "Asshole"; while others wondered how the canal we were travelling, connecting the Big and Little Tracadie Rivers, was permitted and constructed; others still, just had fun and drank beer! It was here that we learned that the Village People and Shania Twain are, in fact, Cajun musicians.

Tuesday's session started with the Annual Business meeting followed by a panel discussion. Joan Trial chaired the panel discussion which started with State and Provincial



representatives giving short presentations on status, programs, regulatory processes, etc, related to the prevention of the spread of exotic species.

The meeting finished up with the annual raffle – lots of great prizes - where did that Bear Hat go? In a special draw, Rod MacEachern of NBDNRE won a beautiful framed print of "Red Pool" on the Restigouche River. The two raffles together raised approximately \$600. Can. (which must be about a couple thousand US!).

In all, it was a successful meeting and, as usual, a good time to gather, chat, network, learn, etc. For those who like numbers, there were 21 AIC members and 34 non-members in attendance. Hopefully, some of the 34 were since inspired to become members of the Chapter. As for representation, some States were under travel restrictions and some familiar faces were unable to attend. NB led the pack with 37 attendees, 9 from ME, 5 from NS, 2 from PQ and 2 from VT.

### NEW BRUNSWICK

The New Brunswick Department of Natural Resources and Energy, Fish & Wildlife Branch, recently hired Mary Sabine to fill the position of Inland Fisheries Biologist, specializing in population biology and management. Mary received her MSc. from the University of New Brunswick in 1998. She has had considerable and varied experience in fisheries management activities in the province. In particular, her skills in GIS and data management are a great asset to the Fisheries Program. Many of you had the opportunity to meet Mary at the AIC meeting in Sept. 2002. We have since recruited her as an AIC member. Welcome!

### NEWFOUNDLAND AND LABRADOR

#### Loss of salmonid habitat in Labrador due to faulty culvert installations.

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Labrador Métis Nation,  
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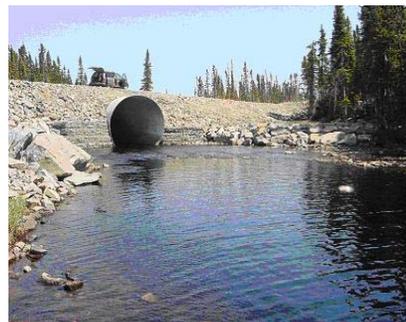
Richard L. Haedrich,  
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Newfoundland, St. John's. Nfl. A1B 5S7.  
(709) 737-8833.  
haedrich@morgan.ucs.mun.ca

Incorrectly installed culverts have led to loss of numerous potential rearing and spawning streams for salmonids in Newfoundland and Labrador, with loss of anadromous salmonids in some streams. In order to assess possible environmental effects on streams of the new Labrador Highway in southern Labrador, from June 26<sup>th</sup> to July 10<sup>th</sup>, 2002, we conducted a survey of stream crossings over about 210 km of road, constructed in 2001 and 2002 (part of phase 2 of the Trans Labrador Highway, TLH). We found that 51% of crossings on permanent streams presented barriers to fish migration, and only two out of

45 culverts examined were of open bottom types, which are the recommended types by the Department of Fisheries and Oceans (DFO). None of the pipe culverts was embedded, as is required to conserve productive capacity of fish habitat, resulting in the loss of 3000m<sup>2</sup> of fish stream habitat by the culverts themselves. Loss of spawning and rearing habitat was greater. Published guidelines for installation of stream crossings by DFO are explicit, but frequently are ignored, with resulting negative effects on the fishery resource. As a result of our study DFO will be undertaking a Comprehensive Study of stream crossings by the TLH in 2003, and where applicable remediation or compensation will be undertaken as is stipulated under the "No net loss of fish habitat" policy of the Canadian Fisheries Act. The study was supported by the "Coasts Under Stress" research project, Memorial University of Newfoundland, in co-operation with the Labrador Métis Nation.



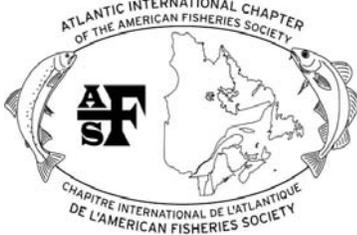
Charlottetown Brook. Depth <1 cm. Drop of 35 cm on to rocks. About 3/4 of the flow was under the culvert. High gradient. We saw four ~12 cm trout in the pool at the outlet. Small streams similar to this one are important rearing areas for small salmon and trout, but such improperly placed culverts obstruct migration.



Inlet of the pipe culvert at Shinney's Brook, installed on a previous riffle area. The culvert is not properly sized for the stream, is not embedded and creates a velocity barrier for upstream migration of small fish. Salmon spawning and rearing habitat (442.6 m<sup>2</sup>) and riparian vegetation has been lost. A bridge spanning the river should have been built here.

## AIC Logo

At the 2002 AIC meeting, it was requested that the AIC logo be revised and that we vote on the new logo at the parent meeting in 2003. Two logos are included below. We can use either of these or make revisions. Please take a look at these and let's vote on it is August.



### Editor's Notes: Newsletter Available on the Website

Those of you that would like to save the society paper and postage, please let Scott Decker ([SDecker@WILDLIFE.STATE.NH.US](mailto:SDecker@WILDLIFE.STATE.NH.US)) know you want the e-version of the newsletter. Scott will remove your name from the paper mailing list. Currently the newsletter costs over US\$1/issue to print and mail. Shawn Good sends out an e-mail notification to all AIC members when the newsletter has been uploaded to the AIC website. You need only to click on the current newsletter and download it. The newsletter is in an Adobe Acrobat file format, so it can be viewed and printed easily.

**Many thanks** to those of you who have submitted articles and reviews. The newsletter is our primary outlet for sharing information with those members who cannot attend our annual meeting, so it is important to spread the word about projects happening in your region.

**As a reminder, I take submissions anytime throughout the year. You can contact me via e-mail:**  
[Jmagee@gomezandsullivan.com](mailto:Jmagee@gomezandsullivan.com)  
 or by phone: (603) 529-4400

## AIC Bibliography

To save on mailing costs, the bibliography is now available on the chapter website. New submissions will be posted in the current newsletter and on the website. Please send your submissions directly to me and Shawn Good ([shawn.good@anr.state.vt.us](mailto:shawn.good@anr.state.vt.us)).

### Website News

Shawn P. Good  
 District Fisheries Biologist (a.k.a. *The Webmaster* – **insert requisite ooh's and ahh's here**)  
 Vermont Department of Fish and Wildlife

As many of you know, I've been managing the AIC website ([www.fisheries.org/aic](http://www.fisheries.org/aic)) for a couple of years now. So far, I believe I've developed a fairly decent website, but I've largely done this on my own with little input from other members in terms of structure. I would like to take this opportunity to point out that this is the *Chapter's* website, not mine, and I'm always looking for input, suggestions, and ideas on how to make the website better and more attentive to the needs of our members. One of the benefits of the AIC having it's own website, as I see it, is that it gives us an immediate means of information dissemination, and I'd like to urge our membership to begin taking better advantage of this site and it's potential. Updating the website is really quite a simple task. So, when members have meeting announcements, job postings, additions to our bibliography, or any other pertinent information they would like to have available to our membership and other "surfers", then please send it to me and I will post it. I can take documents in Microsoft Word or WordPerfect format, I can convert either to PDF, I can post data and spreadsheets for downloading. Perhaps you have some interesting photos of meetings or projects. Perhaps you have a contribution to the "Fishy Humour" page .... the possibilities are endless.

On that note, I'd also like to remind you all that I have not yet received a summary or photos from the 28<sup>th</sup> Annual AIC meeting that was held in New Brunswick. As I wasn't there, it would be difficult for me to write one! Anyone like to take a stab at that? If you'd like to see last year's summary, visit <http://www.fisheries.org/aic/27thannualaicmeeting.htm>. The photos from that meeting are posted at <http://www.fisheries.org/aic/27thaicmeetingphotos.shtml>. I'm willing to post similar information for all of our annual meetings – but I need the material forwarded to me.

Finally, I'd like to talk about the newsletter. The annual

printing and mailing costs of paper copies of the newsletter is a substantial outlay for the Chapter each year. We'd like to begin reducing these costs as much as possible, and the website is the perfect way to do so. As each issue of the newsletter is completed, I make it available for downloading on the website in PDF format. E-mail notifications are then sent to all AIC members once the newsletter is uploaded. Members can then go to the website and download and print their own copy. Over the last year or so, a handful of members have indicated they preferred this method, and requested to be taken off the paper-copy mailing list. Ultimately, we'd like to get to the point where everyone downloads their own newsletter from the website.

There is one significant limitation to this method however – outdated membership (e-mail) information. The most recent membership list sent to Scott Decker, our membership officer, indicated there were 266 paid AFS members in the AIC. I only have e-mail addresses for 197 members. Furthermore, recent e-mailings to this list have resulted in an increasingly amount of “undeliverable” messages being returned to me – 60 from the last bulk e-mailing. This means that out of 266 AIC members, I can only reach 137, or just over 50%, by e-mail.

There are several things I would like to ask from our membership :

Go to <http://www.fisheries.org/aic/aicmembers.shtml> and verify that we have your correct information. To change or update any information, please click on the link to the right or go to <http://www.fisheries.org/aic/aicmembupdate.htm>.

Our main source of membership information comes from the AFS Parent Society each year. Please visit the AFS membership page at <http://216.200.67.182/> and verify online that your information is correct with the Parent Society. If changes need to be made, you can do it right there, online. When updating your member information, or renewing your annual membership, please remember to include an e-mail address. The e-mail column in the Excel membership spreadsheet we receive from the Parent Society is blank for many of our members. If you prefer not to give the Parent Society your e-mail address, consider sending it to me via the update form on our website (above in (1)).

In the future, if you move or your e-mail address changes, please send me the new information at your earliest convenience. I will forward your new information to Scott Decker, Membership Coordinator, as well. Be sure to update your information online with

the Parent Society as well.

Send me an e-mail indicating your preference for receiving newsletters : a) paper copy by mail or b) e-mail notification and download from the website. I will forward the results to John Magee, the newsletter editor.

If your name appears on the following list, I don't have your e-mail address ! Please send it to me.

Anderson, Milton  
 Arnold, Stephen  
 Bergeron, Jacques  
 Bourque, Peter  
 Cawthorn, Richard  
 Cheverie, Charles  
 Connell, Chris  
 Countryman, William  
 Cross, Charles  
 Currie, Rodney  
 Desrochers, Denis  
 Downey, Philip  
 Frechette, J.L.  
 Gersmehl, John  
 Gillis, Gregory  
 Gleeson, Lawrence  
 Hawkes, James  
 Hein, Marc  
 Howell, Hunt  
 Keleher, William  
 Knight, Alexis  
 Kovacs, Tibor  
 Lawson, Douglas  
 McKeon, Joseph  
 Nelson, John  
 Newsome, G.  
 Normandeau, Donald  
 Parent, Serge  
 Parker, Walter  
 Stevenson, David  
 Vaillancourt, Joseph  
 Verrault, Guy  
 Whelan, Daryl  
 Wright, Pat

Read carefully through the following list. These are e-mail addresses that have been returned to me as “undeliverable”. If your e-mail address appears on the list, please send me your new one, or correct the typo in the existing one. If your e-mail is NOT on this list, but you recognize one or more, please let the appropriate person know I'm looking for their correct e-mail address !

104653.163@compuserve.com  
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 wingerr@athena.nwafc.nf.ca  
 ychen1@maine.edu

Encourage other members that may not see this newsletter to follow the above steps.

Thanks for bearing with me. Let's all make our website great !

Shawn P. Good, Webmaster  
[shawn.good@anr.state.vt.us](mailto:shawn.good@anr.state.vt.us)

### *National Chapter News*

*Hannelore Quigley  
 Marketing Coordinator  
 American Fisheries Society  
 5410 Grosvenor Lane  
 Bethesda, MD 20814  
 Phone (301) 897-8616, Ext. 214  
 Fax (301) 897-8096*

AFS Members: please make sure to renew your membership for 2003. All forms are available at <http://www.fisheries.org/membership/choicenew.shtml>, whether it's to pay online, print and fax payment, or to be invoiced for your dues.

New Book Release from AFS:

*Sustaining North American Salmon: Perspectives Across Regions and Disciplines*

U.S. and Canadian fisheries professionals from multiple disciplines examine the history, current knowledge, and research needs of fisheries stakeholders, managers, and policy makers regarding salmon ecology, policy, and management in North America. This book offers a greater understanding of the complexity and repercussions of salmon management, currently a controversial issue between Canada and the United States. Information needs from biological, social, and economic perspectives are identified, enabling managers and policy makers to develop an action agenda to acquire and utilize this information.

This excellent reference for the management of salmon presents a synthesis of the history, ecology, sociology,

economics, politics/institutions, and the future of one of the most economically and culturally significant fishes in America.

413 pp., paper, November 2002

Stock #: 550.39

List price: \$69

AFS member price: \$48

ISBN# 1-888569-40-9

To order:

Online: [www.fisheries.org/cgi-bin/hazel-cgi/hazel.cgi](http://www.fisheries.org/cgi-bin/hazel-cgi/hazel.cgi)

Phone: (678) 366-1411, or Fax: (770) 442-9742

Email: [afspubs@pbd.com](mailto:afspubs@pbd.com)

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Call for Papers

The American Fisheries Society (AFS) will convene its 133rd Annual Meeting at the Québec City Convention Center in downtown Québec, 10-14 August 2003. The meeting's theme is Worldwide Decline of Wild Fish Populations. The theme addresses the identification and explanations of potential factors that may be contributing to the decline of marine and inland fish populations. The scientific program will include 3 types of sessions: Symposia : accepted proposals from individuals or groups of oral presentations or posters around a common theme. Submit by 23 December 2002. Contributed Papers : accepted abstracts of oral presentations by individuals or groups organized and scheduled into sessions by the Quebec Program Committee. Submit by 20 January 2003. Posters : accepted abstracts for posters displayed to facilitate discussion between presenters and attendees. Submit by 20 January 2003 - Poster tips For more information on submitting a paper or poster, visit [http://www.fapaq.gouv.qc.ca/en/AFS\\_congres/appel\\_A.htm](http://www.fapaq.gouv.qc.ca/en/AFS_congres/appel_A.htm).

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The Hutton Junior Fisheries Biology Program

The Hutton is an educational program for high school students designed to develop interest in a career in fisheries among groups underrepresented in the fisheries profession, including minorities and women. AFS encourages its members to consider mentoring a student during the summer of 2003.

For information on how you can get involved, go to <http://www.fisheries.org/Hutton.shtml>, or contact Christine Fletcher at [cfletcher@fisheries.org](mailto:cfletcher@fisheries.org), phone: 301-897-8616, ext. 213.

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What's new at AFS? Read all about it at <http://www.fisheries.org/WhatsNew.shtml>

The AFS Online Bookstore is a valuable resource for all fisheries and aquaculture related books: <http://www.fisheries.org/cgi-bin/hazel-cgi/hazel.cgi>

AFS Job Center Online (and other employment resources): <http://www.fisheries.org/jobs.html>

Renew your AFS Membership online at <http://www.fisheries.org/forms.shtml>

Don't forget to browse featured articles from the latest issue of FISHERIES magazine at: <http://www.fisheries.org/fisheries/fishery.shtml>

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## **CLASS OF INTEREST**

### **Origin, Distribution, and Identification of Northeastern U.S. Freshwater Fish Assemblages**

**June 1 - 7, 2003 EAGLE HILL SEMINARS, Steuben, Maine**

**(Contact: Humboldt Field Research Institute 207-546-2821)**

This week-long classroom/laboratory/field seminar, specifically designed for State and Federal fishery resource agency biologists and fishery consultants, will offer a comprehensive study of northeastern United States fish assemblages - their historical origins, current distributions, habitat assessment, conservation status, and taxonomy-identification, inclusive of diadromous species. Resident fish assemblage habitat requirements, in both streams and lakes, will be studied and the development of Indices of Biological Integrity (IBI) and EPA Rapid Bio-assessment Protocols (RBPs) reviewed. Well-preserved specimens of over sixty representative fish species, with an emphasis on non-game fishes, will be available for laboratory taxonomic study. Field trips to local ponds and streams, including night-time and daytime lake beach seining, will ensure hands-on experience in collecting fresh fish specimens. Classroom discussions will be based on a review of recent and relevant scientific literature, taking into account individual fishery interests and the desires of participants.

Dr. David Halliwell is a certified (American Fisheries Society) fisheries professional specializing in fish taxonomy, distributions, and habitat assessments, and is currently employed as an Aquatic (Lakes) Biologist with Maine DEP in Augusta. He has spent over two decades investigating the niches of freshwater fishes while working with Northeastern state and federal fish and water quality agencies. Pertinent studies include researching fishery-related acid rain impacts, aquatic habitat restoration, hydropower-flow issues, and forestry-use practices. He has considerable experience teaching University and field courses related to fish and wildlife in RI, CT, MA, NY, and ME, and is co-author of *Inland Fishes of Massachusetts*.

In 2003, Rich Langdon (M.S. in Fisheries Science from Humboldt State University, CA) will co-instruct this seminar, also providing over two decades of experience as a aquatic biologist, for state agencies and private consulting firms. Rich has been with Vermont DEC for the past 22 years and specializes in conducting biomonitoring studies for fish assemblages in running waters. He has developed modifications of the Index of Biotic Integrity for Vermont streams and has adapted them to numeric biocriteria for use in Vermont Water Quality Standards. His research interests include the classification of running water fish assemblages, post glacial fish distribution patterns in western New England, and is currently co-authoring the book, *The Fishes of Vermont*.

**Note!** A 15% discount applies to all agency/company participants in this region-wide seminar, while a 30% discount will be applied for two or more participants from any single agency/company (no other discounts apply). All participants will receive a comprehensive course notebook and a copy of the recently published, *Inland Fishes of Massachusetts*.



**Atlantic International Chapter Newsletter**

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