



Update

Electronic Newsletter for AquaNet Members
April 15, 2002

Important Dates

May 3, 2002 - Conference Call

Board of Directors Meeting
to approve progress on Mid-Term Review

May 24, 2002 - Toronto, ON

Research Management Committee Meeting

June 21, 2002 - St. John's, NF

Board of Directors Meeting
to review Mid-Term Submission Document

September 2002

NCE Review Panel meets with AquaNet
Mid-Term Review Committee

December 2002

NCE's Announcement on AquaNet's Mid-term
Review & Funding for 2003 - 06

Announcements

Administrative Centre

Welcome to the latest issue of **Update**. This newsletter is the main internal communications avenue for AquaNet members. The deadline for submissions is the 15th of each month with **Update** distributed 3-4 days later. Submissions / questions can be sent to info@aquanet.ca

Message from the Scientific Director

A first draft of the mid-term review document is almost complete. Our target date is to release the sections entitled *Six Key Accomplishments*, *Progress Report*, and *Updated Strategic Plan* to the Board of Directors, the Research Management

Committee and the Mid-term Review Committee on April 19, 2002. The Board will meet by teleconference on May 3, 2002 to discuss the general direction of the document. I am happy to share this document upon request with interested Network Investigators.

William Driedzic

Manager of Partnership Development

On behalf of AquaNet, I would like to welcome three new AquaNet affiliates to the AquaNet community. They are Atlantic Ocean Farms, Lindo and Laurie Pitcher and the IWK Health Centre.

Atlantic Ocean Farms is one of Newfoundland's oldest and largest mussel culture companies. Lindo and Laurie Pitcher operate a private cod operation in eastern Newfoundland. The IWK Health Centre which is located in Halifax Nova Scotia provides quality care to children, women and families in the three Maritime provinces and beyond. As a tertiary care health centre dedicated to education, research, family centred care and health promotion, the IWK proudly promotes a mission of caring, learning and advocacy.

Gordon Deveau

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Publications / Media Reports Relating to AquaNet Research

If you have had a paper published or a press release issued on your AquaNet-funded research project, please send us a copy for our records. We are always interested in receiving news reports about AquaNet researchers.

Research Funding 2002 - 2003

At the March 8 meeting of the Board of Directors, four new projects in the Socio-Economic Aspects Theme were recommended for funding by the Research Management Committee. The Board of Directors adopted the recommendation of the RMC to award funding to these four new projects. They are:

SE 9: Network Governance and “Smart Regulation” for the Development of Sustainable Shellfish Aquaculture in Canada

Jeremy Rayner, Malaspina University-College
Rick Rollins, Malaspina University-College
Bill Pennell, Malaspina University-College
Chris Tollefson, University of Victoria
Michael Howlett, Simon Fraser University
Peter Clancy, St. Francis Xavier University

SE 10: Addressing Complexity and Context for Aquaculture Sustainability in Canada: Analytic, Assessment and Educational Tools

Scott Slocombe, Geography and Environmental Studies Department, Wilfrid Laurier University

SE 11: Property Rights, Aquaculture and Mariculture: A Multidisciplinary Analysis of the Institutional Changes Arising from Changes in Ocean Resource Use Practises (Quebec and New Brunswick)

Jean-Paul Vanderlinden, Université de Moncton
Jean-Claude Brêthes, Université du Québec à Rimouski
Omer Chouinard, Université de Moncton
Nicolas Landry, Université de Moncton
Ibrahim Ouattara, Université de Moncton
Claude Rioux, Université du Québec à Rimouski
Brad Walters, Mount Allison University
James Wilson, Université du Québec à Rimouski

SE 12: Hierarchies of Objectives and Criteria as a Basis for Salmon Aquaculture Risk Management Decisions Involving Multiple Stakeholders

Tim McDaniels, The University of British Columbia
Hadi Dowlatabadi, The University of British Columbia
Keith Hipel, University of Waterloo

AquaNet Distinguished Lectureship Series Call for Nominations

The **AquaNet Distinguished Lectureship Series** provides a forum through which esteemed aquaculture experts can foster awareness and promote discussion of issues that are key to the long-term sustainability of Canadian aquaculture.

The 2001 Distinguished Lecturer was Dr. James Tidwell, who addressed the *Relative Impacts and Contributions of Aquaculture and Capture Fisheries*.

AquaNet is currently seeking nominations for the second Distinguished Lecturer who will give the opening presentation of our next AquaNet Annual Research Conference.

Any AquaNet researcher or committee member may submit a nomination.

Procedure:

Official nominations should be submitted directly to the Education Officer and must include a completed nomination form.

AquaNet II

The Second Annual Research Conference for AquaNet will be held Sept. 14 -17, 2002 at the Delta Beausejour in Moncton, NB.

A template for this meeting has been developed after consulting various individuals including the Theme Leaders, the Chair of the Education Committee, and reviewing the surveys submitted on AquaNet I.

A series of sessions developed by each of the Themes will be held consisting of a 40-minute introductory talk followed by two 20-minute presentations. The introductory talk will take the audience from the basics to a current state of understanding on a particular topic. The two follow-up presentations will likely be made by Post-Doctoral Fellows or graduate students in the area addressed by the introductory speaker.

A special industry session is planned for the first day of AquaNet II. This session is being spear-headed by

For a summary of nomination criteria, the nomination form and further information on the lectureship series, please visit the following link

www.aquanet.ca/conference/aquanet1/lectureship.html

The deadline for nominations is May 15, 2002

For further information contact

Melissa Struthers, Education Officer
tel: 709-737-8093
e-mail: mstruthers@mun.ca

**See you at AquaNet II in
Moncton, New Brunswick
September 14 - 17, 2002**

**Nous espérons que vous serez des
nôtres pour AquaNet II, qui se tiendra
du 14 au 17 septembre 2002,
à Moncton, au Nouveau-Brunswick.**

industry representatives that currently sit on the AquaNet Board of Directors.

Due to the resounding success of the poster session last year, we plan to expand the poster session to two afternoons.

The remainder of the conference schedule will include the *AquaNet Distinguished Lectureship*, Education Committee Report, Theme / Sub-Theme Meetings, several industry-oriented activities and a PDF / graduate student one-day pre-conference workshop.

It is anticipated that the First Announcement of AquaNet II will be made in early May listing the session titles and the invited speakers.

As details are finalized, they will be announced here and on the website.

Education Committee News

AquaNet Request for Workshop Proposals (Deadline: March 31, 2003)

AquaNet is seeking proposals to develop and deliver practical workshops designed to promote and assist the Canadian aquaculture sector. AquaNet is prepared to fund up to half the costs of each workshop to a maximum of \$6,000, the balance coming from industry and other sources. This fund is intended to support workshops, and is not intended to support symposia, conferences or annual general meetings.

To promote knowledge transfer from the research generated from AquaNet research to the aquaculture sector, workshop proponents are encouraged to consider **AquaNet researchers** as keynote speakers for workshops whenever **possible and appropriate**.

Please visit the following link for further information and proposal guidelines:

www.aquanet.ca/education/workshops.html

Proposals will be received and evaluated on an on-going basis until March 31, 2003 or until all funds for this initiative have been committed.

Please direct inquiries and proposals to the attention of:

Melissa Struthers, Education Officer

Phone: (709) 737-8093
Fax: (709) 737-3500
E-mail: mstruthers@mun.ca

AquaNet Sponsored Workshops

Upcoming

1. **The Canadian Aquaculture Institute** will deliver a **Basic Introduction to Recirculation in Aquaculture** workshop on May 9-10, 2002 in Cardigan, PEI. To register, or for further information please contact the workshop organiser,

Kelly Cantelo tel: 902-628-4335
e-mail kcantelo@upe.ca
or Melissa Struthers tel: 709-737-8093
e-mail: mstruthers@mun.ca

2. **The Marine Institute**, in collaboration with Université du Québec à Rimouski and the Norwegian College of Fishery Science will deliver a **Wolffish Culture** workshop. This workshop is scheduled to take place on June 3-4 in Rimouski, QC. For further information please contact the workshop organiser,

Laura Halfyard tel: 709-778-0363
e-mail: Laura.Halfyard@mi.mun.ca
or Melissa Struthers tel: 709-737-8093
e-mail: mstruthers@mun.ca

As a note, other aquaculture organizations have also identified wolffish culture as an important workshop topic. The Norwegian Trade Council is organizing a workshop entitled *Improving the Knowledge Base Between Canada and Norway* for May 10 in Halifax which will include a new species section focussing on wolffish culture.

Please visit the following link for updated information on AquaNet sponsored workshops.

www.aquanet.ca/education/workshopinfo.html

Training Success Story

Dr. Gregory Page has just accepted a fish nutrition scientist position with **Shur-Gain AgResearch** (Guelph, ON, a division of MapleLeaf Food). Shur-Gain is the industrial partner for the AquaNet Environmental Integrity project - *Improving Amino Acid Utilization in Salmonid Fish: A Key Factor to Improving Feed Efficiency and Reducing Waste Outputs in Marine and Freshwater Salmonid Fish Culture*.

AquaNet funding made it possible to lure Greg back to Canada from Europe to begin work as a post-doctoral fellow on the above AquaNet project. Shur-Gain, their industrial partner, took notice of Greg's great potential and offered him a job at the first opportunity to do so.

The attraction and retention of outstanding aquaculture researchers and other such highly qualified personnel is a key priority of AquaNet.

Congratulations and good-luck to Dr. Page and Shur-Gain!

Travel Scholarships

AquaNet Sponsored Workshops

Kelley Baltzer (Dalhousie University), **Jason Pootoolal** (University of Guelph) and **Greg MacCullum** and **Garth Arsenault** (University of Prince Edward Island) have been approved to attend the **Basic Introduction to Recirculation in Aquaculture Workshop** in Cardigan, PEI to learn about maintaining high levels of water quality in recirculation systems.

Non-AquaNet Sponsored Workshops

Meaghan MacNutt, The University of British Columbia, has been approved to attend **Fish 565 - Fish Swimming: Kinematics, Ecomorphology, Behaviour and Environmental Physiology** in Washington, DC to study the kinematics and performance of swimming in fish, the ecomorphology of fish locomotion, locomotor strategies, metabolic aspects of fish swimming and the effect of various environmental factors on fish swimming.

Paula Azevedo, **Pedro Encarnacao** and **Kanako Watanabe**, University of Guelph, have been approved to attend the **Mediterranean Fish Nutrition** in Rhodes, Greece to gain further knowledge on the efficiency of amino-acid and energy utilization in finfish.

Jean-Sebastien Lauzon, University of New Brunswick, has been approved to attend a **Mathematical Biology Summer Workshop** in Edmonton, AB to study mathematical modelling technologies in relation to mussel population dynamics.

Placements

Vikki Eborall, University of New Brunswick, has been approved to participate in a *research placement* at the **Institut de Ciències del Mar** in Barcelona, Spain to learn techniques for assessing aromatase activity and localization in relation to investigating the role that this enzyme plays in controlling sex in halibut.

Dorothee Schreiber, The University of British Columbia, has been approved to participate in an *industrial placement* with **Marine Harvest Canada** in Campbell River, BC to study the daily activities on a salmon farm in support of her research project, which addresses use of 'frames' or central organizing ideas in relation to the British Columbia aquaculture industry.

Joanne Harding, Marine Institute of Memorial University, has been approved to participate in an *industrial placement* with **Helm and Associates**, in conjunction with the **Bermuda Biological Station for Research** in Ferry Reach, Bermuda to gain experience in a commercial scallop hatchery / nursery and growout system using intensive and extensive culture techniques and as well, to study the effects of different culture techniques on animal stress levels.

For further information on AquaNet training initiatives, please visit the following link

www.aquanet.ca/education.html

or contact

Melissa Struthers, Education Officer
tel: 709-737-8093
e-mail: mstruthers@mun.ca

Positions Available

Aquaculture Technician

Fairmont Kenauk au Chateau Montebello is one of North America's largest and longest established private fish and game reserves with more than 60 lakes and 270 square kilometers of carefully protected wildlife habitat. The company is owned by Fairmont Hotels and Resorts and it operates an intensive fish culture station for the purpose of stocking its' own lakes for sport fishing, as well as supplying trout to the food service market.

Responsibilities include: day to day care of 3 species of trout from egg to market size as well as maintenance of the farm. The farm is located near Montebello, Quebec, halfway between Montreal and Ottawa.

Requirements: The ideal background will include: technical training in aquaculture and/or a related field and/or experience on a trout farm; bilingual; able to work independently; able to interact with the public in an Eco-tourism setting; have a love of the outdoors; able to live on site.

Application Period: position to be filled immediately (April 2002)

Apply to Deborah Perzow by fax: 819-423-5277 or e-mail: deborah.perzow@fairmont.com

Commercial Aquaculture Advisor - Zambia

VSO Canada is an international development organization that works through volunteers. We are seeking an **experienced** aquaculturist for a challenging 2-year placement as a Commercial Aquaculture Advisor in Zambia.

The purpose of this placement is to facilitate the continuation and expansion of a 20-person aquaculture enterprise and to provide training to staff in modern production techniques.

Working alongside staff at Macadamia Farms, the Commercial Aquaculture Advisor will undertake the following Key Responsibilities:

- management of 16 HA of production ponds rearing carp and tilapia
- management of 30x200 sq. metre breeding ponds
- management of 14x1/2 HA fingerling ponds
- providing professional advice on the establishment of an environmentally controlled breeding unit
- training of farm staff in modern production techniques

The placement is based in Kitwe, Zambia, a small city about 5 hours from Lusaka. Kitwe has access to several amenities, including shopping areas, hotels, banks and a post office.

VSO provides a comprehensive package of practical support that includes return airfare, training, accommodation and a modest living allowance.

For more information, please contact VSO Canada today, quoting reference NR0313:

VSO Canada
151 Slater Street, Suite 806
Ottawa, Ontario K1P 5H3
Tel: 1-888-876-2911
Fax: 1-613-234-1444
inquiry@vsocanada.org
www.vsocanada.org

Conference Announcements

Basic Introduction to Recirculation in Aquaculture

This will be a two day basic introduction workshop to recirculation. It will compare flow through systems to recirculation systems, and outline the overall benefits of recirculation to aquaculture. Lectures will be followed by hands-on laboratories.

May 9-10, 2002
Cardigan Fish Hatchery, Cardigan, PEI

For more details and to register, please visit the
Canadian Aquaculture Institute's Website at
www.upei.ca/~cai
or contact
Kelly Cantelo at 902-628-4335
kcantelo@upei.ca

International Congress on the Biology of Fish

July 22-26, 2002
Vancouver, Canada

There are over 20 Symposia planned, all of which will
have published proceedings.

For further information, check out the website at
www.fishbiologycongress.org

Symposium on Impacts of Myxozoan Parasites in Wild and Farmed Finfish

Malaspina University-College, in partnership with
Fisheries and Oceans Canada, is pleased to offer a
3-day symposium on the Impacts of Myxozoan Parasites
in Wild and Farmed Finfish.

The symposium will take place in Nanaimo, BC from July
31st to August 2nd, 2002. This event will include a one
day workshop on Kudoa.

For details, visit the website at:

<http://web.mala.bc.ca/faep/myxozoa.htm>

Aquaculture Canada 2002

The 19th Annual Meeting of the Aquaculture Association
of Canada, Aquaculture Canada 2002, will be held in
Charlottetown, PEI, at the Delta Prince Edward, 17-20
September 2002.

The theme is "Finding Solutions, Creating Sustainable
Wealth". You are invited to join us for this national forum
on the business, science and technology of Canadian
aquaculture.

A comprehensive technical, industry-oriented program
will be centered around the theme. Special symposia and
workshops will highlight achievements and successes by
various sectors of the Canadian aquaculture industry.
The First International Mussel Forum is being planned in
conjunction with AC02. A trade show organized by the
PEI Aquaculture Alliance and a full social program will
provide ample opportunity for networking and information
exchange.

Aquaculture Canada 2002 will be co-hosted by the
Aquaculture Association of Canada, the PEI Aquaculture
Alliance, and the PEI Dept. Fisheries, Aquaculture and
Environment.

For more information or to be put on the
distribution list, contact the
Aquaculture Canada 2002 Secretariat at:
(506) 529-4766
aac@mar.dfo-mpo.gc.ca
<http://www.mi.mun.ca/mi/aac>

**Many of the announcements and
news articles are
provided courtesy of:**

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