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Aquaculture Canada^{OM} 2011

Aquaculture Canada 2011 will be held at the Loews Hôtel Le Concorde at the gates to Old Québec in Québec City, May 8-11, 2011. Join us in this historic city to learn the latest developments in aquaculture at the centre of Québec's freshwater aquaculture industry and within reach of the marine waters. An exciting programme is under development that will include a diversity of themes and disciplines, highlighting Québec's unique strengths in aquaculture but also retaining an international perspective.

Aquaculture Canada 2011 se tiendra à l'Hôtel Loews Le Concorde aux portes du Vieux-Québec à Québec, du 8 au 11 mai 2011. Rejoignez-nous dans cette ville historique au coeur de l'industrie piscicole québécoise et au seuil de l'industrie maricole pour discuter des développements en aquaculture. Un programme passionnant est déjà en cours d'élaboration et qui comprendra une grande diversité de thèmes et de disciplines, en soulignant les atouts uniques du Québec en aquaculture mais aussi en conservant une perspective internationale.



Have you met the new 2010- 2011 AAC Board of Directors ?

The AAC's Board of Directors (BOD) are elected by Association members annually. The BOD helps to lead the Association in conjunction with the AAC President (Tillmann Benfey), Vice President (Joy Wade), Secretary (Shelley King) and Treasurer (Caroline Graham). The AAC would like to welcome the following members to the BOD for 2010-2011. [Click here to read their Biographies](#)



Tim Jackson



Gehan Mabrouk



Céline Audet



Shelley King

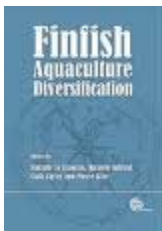


David McCallum



A bald eagle pays a visit to a Marine Harvest site in BC (courtesy, of Marine Harvest)

AAC Book Review



Finfish Aquaculture Diversification

N. Le François, M. Jobling, C. Carter and P. Blier (editors)

CAB International 2010

(ISBN 978-1-84593-494-1)

The recent book “Finfish Aquaculture Diversification” is much more than what the title suggests. It is a comprehensive text (680 p) incorporating a broad, but in-depth, perspective on the diverse topic of diversification in aquaculture. Most books on this topic focus mainly on species diversification but editors Le François, Jobling, Carter and Blier have selected international experts to thoroughly address current themes pertaining to environmental issues, nutrition, health management, culture species, marketing and certification, just to name a few of the various topics covered.

Well known scientist, Malcolm Jobling, sets

the standard with engaging and extensively referenced introductory chapters on emerging scientific technologies rarely encountered in mainstream literature. The book is divided into four sections. The introductory section includes an initial 4 chapters on topics ranging from abiotic water quality issues, fish welfare concerns, feeding systems, finfish attributes required for successful farming. The proceeding chapters of this section address diversification strategies as part of the overall agribusiness developmental process and are backed with several case-studies. Topics included are: strategic processes for new species selection, communization and market considerations.

This leads nicely into the largest section describing a vast array of species with a detailed overview of their specific life history traits, culture requirements, broodstock management and marketing opportunities. Extensive appendices expand on this information with concise technical fact sheets on each species covered. The third section is a thorough treatise with examples on marketing and economic analysis including an

overview of the fish marketing decision process in a constantly changing environment within the product life cycle. The last section focuses on future perspectives such as those applied to new containment technologies including offshore and recirculating aquaculture systems, by-product development, value added marketing, and organic and ecolabelling.

This book offers a significant amount of current information and valuable references for the academic and scientific communities, as well as for professional fish farmers. Commercial fish farmers considering expanding their operations with a new culture species or a new product line would be wise to peruse this text since it contains relevant insights and factors that should be carefully considered prior to investing resources.

Reviewed by Debbie Martin-Robichaud (Research Scientist, Aquaculture and Biological Interactions Section, Fisheries and Oceans Canada, St. Andrews Biological Station)



Assistant Editor and Illustrator, Arianne Savoie (left), Co-Editor, Pierre Blier (middle) and Primary Editor, Nathalie Le François (right) show off their new book

Welcome Baby Wong

The AAC would like to welcome its newest honourable member, Anna Sau Chi Wong. Anna was born on April 21st to AAC Office Administrator Catriona Wong and her husband David. Catriona is presently on maternity leave with baby Anna.

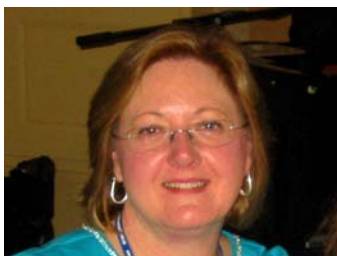


Anna Sau Chi Wong



Catriona opening a gift (a stuffed toy and children's books from Benjamin's Books of Rothesay, NB) for Baby Anna, from the AAC Board

Welcome Candace



We'd also like to introduce you to Candace Durston, if you have yet to meet her. Candace is filling in for Catriona at the AAC Office.

Student Endowment Fund Donors (over the past year)

Chris Oikawa, Jennifer Lee, Glen Gateley, Alistair Struthers, Rogers Hunka, Thomas Barr, Sharon McGladdery, G.W. Friars, Alan Kenney, Cyr Couturier, Santosh Lall, Tim DeJager, Keith Rideout, Aquabiotech, Iola Price, Julian Hynes, Jay Parsons, Atlantic Provinces Council on the Sciences, John Anderson, Duane Barker, University of Guelph - Aquaculture Centre, Cyr Couturier, Neil Bourne, Larry Hammell, RDI Strategies Inc., Velmurugu Puvanendran, John Lumsden, John Himmelman, Chris Bridger, Marshall Giles, Andrew Vickerson, Vancouver Island University, Shawn Robinson and Thierry Chopin

Thank you!

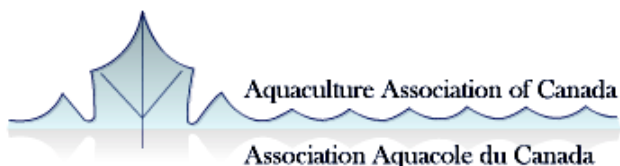
Did you donate to the Student Endowment Fund this past year and we missed you in the Watermark? Let us know!

Watermark Production and Editing

Gregor Reid
Candace Durston

Contributors
Debbie Martin-Robichaud
Tillmann Benfey
Catriona Wong

AAC Board of Directors
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President-elect: Tim Jackson
Vice President: Joy Wade
Secretary: Shelley King
Treasurer: Caroline Graham
Past President: Cyr Couturier
Board of Directors: Céline Audet, David McCallum, Shelley King, Tim Jackson, and Gehan Mabrouk



Aquaculture Canada^{OM} 2010: The Misquotes



Aquaculture Canada^{OM} 2010

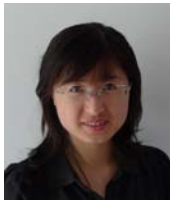
Student Awards

Best Oral Presentation



Jessica Whitehead (University of New Brunswick)
Gynogenesis and the genetic basis of sex determination of Atlantic cod (*Gadus morhua*)

Best Poster Presentation



Peng Zhao (Memorial University)
Effect of finfish aquaculture operations on biochemical composition and growth of algae

Student Travel Awards

Andrea Bartsch, Colin Novak, Laura Braden, Charles Sacobie, David Deslaurier, Jessica Whitehead, Nathaniel Feindel, Song Lin, Stefanie Colombo, Jiselle Bakker, Peter Sykes, Tyler Pickering, Adeline Piot, Francois Larouche, Hamza Seghouani, Martin Jette, Pauline Robert, Sarah Granier

Lifetime Achievement Award

Al Castledine

Al Castledine retired in the spring of 2010 from his position as Director of Aquaculture Policy, British Columbia Ministry of Agriculture and Lands. A degree in English and a desire to experience some of the world took him to Tanzania, East Africa with CUSO for several years in the early 1970's teaching English and Biology in a boys' secondary school. It was there that the idea came up to come back to Canada to pursue a passion for fish with the hope of some day returning to Tanzania to work on artisanal aquaculture. This was a simple, perhaps naïve, idea that has taken a number of twists over the years given the complexity of marriage, children and work. After Tanzania, a couple of years of undergraduate courses lead into a Master's Program in fish nutrition at the University of Guelph followed by a year's research on Asian carps in Malaysia compliments of a CIDA scholarship. Then off to the University of Victoria for a PhD in biochemistry focusing on fat metabolism in rainbow trout supported in part by NRC. A year in Ottawa (1981-1982) working with the Department of Fisheries and Oceans producing a report on the fish feed industry, amongst other duties, followed. Then off to Ontario from 1982 until 1987 as an aquaculture extension biologist with

the Ontario Ministry of Natural Resources. In 1987 the opportunity to return to the west coast came up initially as aquaculture production specialist with the British Columbia government succeeded by various roles including both management and Director positions in seafood and aquaculture development in marine and fresh waters. In 2001, Al worked with DFO in Ottawa in an interchange agreement – it was an exciting time – the federal aquaculture policy framework was being developed, the Office of the Commissioner for Aquaculture Development was in full swing and many other new initiatives were being discussed and implemented.

Indeed, the ten years between 1999 and 2009 saw a lot of engagement by the Provinces with the federal government on aquaculture through the Canadian Council of Aquaculture Ministers Aquaculture Task Group (Al co-chaired the Task Group for a number of years). This Task Group provided an opportunity for the Provinces to shape and to support a number of key federal initiatives such as the National Aquatic Animal Health Program, the Aquaculture Collaborative Research and Development Program, and the significant resources currently deployed within the Department to support industry Market Access Program among others.

Several years ago, as Director of Aquaculture Policy in British Columbia, Al took the initial first steps toward aquaculture development focused on communities and area and ecosystem based approaches to management. Two conventional industry development positions were re-profiled to focus on social licence issues. These actions are recognition that social licence and not technology (at the moment) is the most important factor hindering further growth of aquaculture in British Columbia (and probably lots of other places).

Al was, for many years a member of the British Columbia Institute of Agrologists, taking the steps to qualify to become a member because of the logical connections between aquaculture and agriculture (the irony of the recent British Columbia court decision declaring aquaculture to be a fishery, notwithstanding). He may have been the first Professional Agrologist in Canada to come from an aquaculture background and was recognized as Agrologist of the year for Victoria and the Islands Branch in 2000.

Al has been a member of AAC for many years and served on the Board in several capacities and as president in 1994-1995.

He would like to recognize the many wonderful and talented people he has met and worked with in what has been a very challenging and rewarding 35 years in aquaculture research, extension and management. As for Tanzania, Al and his wife Birgit, headed there in June 2010 to explore volunteer opportunities with high hopes that these will concern aquaculture.