

FISHBYTES

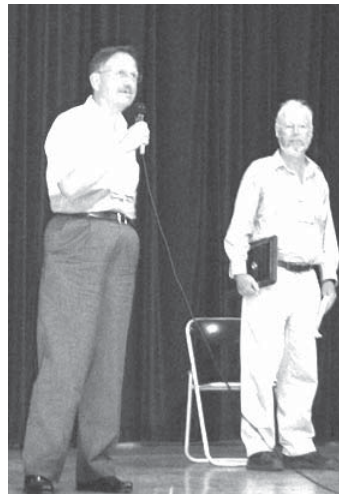
THE NEWSLETTER OF THE FISHERIES CENTRE – UNIVERSITY OF BRITISH COLUMBIA
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International Institute of Fisheries Economics and Trade Conference Tokyo University of Marine Science and Technology 26-29 July 2004

by Dale Marsden and Ussif Rashid Sumaila

The International Institute of Fisheries Economics and Trade, better known to its members as IIFET, held its biennial conference in hot, muggy Tokyo in July. The conference brought about 400 researchers and practitioners from around the world to a small university campus on the southern edge of Tokyo. The theme of the conference was "What are Responsible Fisheries?", and this main theme, as well as 13 sub-themes, was addressed in more than 300 talks and about 30 posters.

As with most international conferences, the presentations varied widely in their scope and in their approach. The opening keynote speech by Ichiro Nomura, Assistant Director-General of the FAO Fisheries Department, provided a broad overview of some of the issues facing the world's fisheries if they are



Gordon Munro after receiving the IIFET Distinguished Service Award from IIFET president, Harry Campbell. The award recognizes his contributions to the theory and application of economic science to fisheries industries, trade, management, and policy. Photo by Dale Marsden.

to be sustainable. A key issue he emphasized is the linkage between fishing fleet overcapacity, Illegal, Unregulated and Unreported (IUU) fishing, and fisheries subsidies: an issue that is at the core of our work at the Fisheries Centre. The conference then broke out into six concurrent sessions, addressing sub-themes such as fisheries management, international trade, aquaculture, and bioeconomic analysis. The presentations ranged from straightforward descriptions of the fishing industry in a given country to theoretical models of fisheries and markets. One particularly lively topic was the "quotas versus fees" debate in the Fisheries Management sub-theme.

Five members of the Fisheries Centre, all associated with the Fisheries Economics Research Unit (FERU – www.feru.org), attended the conference. Ussif Rashid Sumaila presented an economic analysis of IUU fishing that he, Jackie Alder and Heather Keith have been working on (see *Sea Around Us* newsletter, Issue 24). Gordon Munro co-authored a paper, presented by Kathy Miller, examining the implications of climate change for transboundary fish stock agreements. Bioeconomic modelling work on the Pacific Whiting fishery in the western United States was the subject of the presentation by Gakushi Ishimura, while Dale

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Marsden presented his preliminary work examining relationships between international trade and fish biomass in Canadian waters. Finally, Claire Armstrong, from the University of Tromsø and who recently became an Adjunct Professor of the Fisheries Centre, presented two papers on the bioeconomics of marine reserves. As at any conference, there was ample opportunity to catch up with old

friends and to meet new people. The banquet on Wednesday evening provided an opportunity to sample some Japanese beverages and dishes while being serenaded by traditional Japanese musicians. The banquet culminated with speeches and thanks, with the highlight being when Gordon Munro was given the IIFET Distinguished Service award for his contributions to the theory and application of economic science to fisheries industries, trade, manage-

ment, and policy.

The next IIFET conference will be held in 2006 in Portsmouth, UK. In the meantime, the 2005 North American Association of Fisheries Economists (NAAFE) Forum will be hosted by FERU in Vancouver, May 25-27, 2005. We hope that many readers will be able to attend what should be another great conference.

More information on IIFET and NAAFE can be found at <http://oregonstate.edu/Dept/IIFET/>.



Daniel Pauly receives American Fisheries Society's 2004 Award of Excellence

We are proud to announce that Daniel Pauly was awarded the American Fisheries Society's 2004 Award for Excellence on August 23, 2004, at the Society's Annual Meeting in Madison, Wisconsin.

This award is one of the most prestigious awarded by the society and is presented annually to an AFS member for original and outstanding contributions to fisheries and aquatic biology. It was first awarded to Dr William E. Ricker in 1969.

Daniel was selected for the award for "elevating the status of world fisheries using methods that have allowed stakeholders to comprehend the information and visualize these effects at a global scale" and for "empowering people to think globally and act regionally and locally, and vice versa".

Please join us in warmly congratulating Daniel on receiving this award.

Rashid Sumaila appointed to the 2004 James Chair Professorship at St Francis Xavier University

We are delighted to announce that Fisheries Centre Faculty member, Dr Ussif Rashid Sumaila, has been appointed to the 2004 James Chair Professorship.

St. Francis Xavier University, Antigonish, Nova Scotia, appoints James Chair professors every year. The James Chair allows the University to bring leading researchers and teachers to campus to provide intellectual interaction and research support for the University's faculty and senior students.

As part of the appointment, Rashid travelled to Antigonish in July 2004 to collaborate with colleagues, in particular, Professor Joseph Apaloo of the Department of Mathematics, Statistics and Computer Science. He also gave a public lecture on the economics of the collapse of northern cod fisheries off Newfoundland.

More information on the James Chair professorships can be found at www.sfx.ca/academic/earth-sciences/jameschair.html.



Farming the Seas

Farming the Seas, Habitat Media's sequel to the widely broadcast *Empty Oceans Empty Nets* that featured interviews with Daniel Pauly and Carl Walters, is scheduled to air in North America as a PBS Special on November 18, 2004 (please check your local listings for exact date and time). KQED San Francisco will coordinate the date and time with over 300 PBS stations around the U.S.A. *Farming the Seas*, recently awarded a CINE Golden Eagle, will be the first documentary to reach a national audience about the problems and potential of aquaculture. Its producers claim it has the potential to inform millions of viewers about how they can help

encourage sustainable fisheries and aquaculture, both as consumers and as citizens.

Habitat Media requests your help in promoting the national airdate for *Farming the Seas* to your members, associates and friends, either through email postcards, a banner hotlink on your website or both. There may be opportunities to coordinate interviews/articles that feature you or your scientists, promoting both your organization and the film and discussing the problems and potentials of aquaculture. For more information, contact Rivkah Beth Medow, Associate Producer, at Rivkahbeth@habitatmedia.org or visit www.habitatmedia.org.



2003 Cecil and Kathleen Morrow Scholarship: Tracking Japanese fish consumption

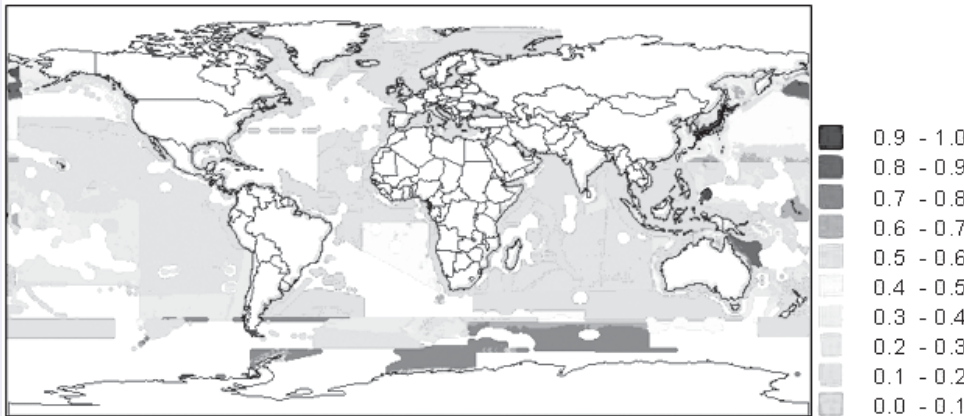
by Wilf Swartz

Wilf was the winner of the 2003 Cecil and Kathleen Morrow Scholarship, which is the result of a generous endowment by Cecil B. Morrow, awarded annually to the student with the best academic travel proposal for research work using techniques developed at the Fisheries Centre. Wilf's research and his use of the scholarship is described below.

Globally, consumers are increasingly purchasing goods produced in other countries. This is particularly true for fish products, in that nearly 40% of world bulk fish production is currently traded globally (Vannuccini 2003).

provides an excellent case study for my research, as it is the largest market for international fish trade, both in terms of volume and value, accounting for 14% and 23% of the world share, respectively. Moreover Japan's

in Japan, I have been able to map trade statistics in terms of the location where catches were originally made, through a comparison with existing world landings maps (Watson *et al.* 2004). By combining Japan's trade maps with



Map representing the proportion of catch consumed by Japan (either caught by Japan or imported) compared to global consumption of catch for the year 2000. Maps such as this provide an alternative measure of the level of fisheries exploitation exerted to meet Japan's demand for fish products.

Thus, there now exists a clear disconnect between resource harvesters and resource consumers. My research is concerned with an assessment of fisheries exploitation patterns based on consumption as an alternative to assessment based on fisheries catch. Such research requires an examination of two primary modes of fish acquisition, namely the operation of a country's domestic fishing fleets (i.e., its landings) and the purchase of fish caught by foreign fleets (i.e., its fish import).

In February of this year I had the opportunity to visit Japan for two weeks, courtesy of the Cecil and Kathleen Morrow scholarship. Japan

self-sufficiency rate for fish consumption is less than 50%, indicating that half of the country's fish consumption is sustained through foreign catch (MAFF 2003).

Archived governmental information in Japan is not available in electronic form; thus my trip to Japan was essential to obtain the necessary statistics. Furthermore, Japanese governmental representatives are wary of sharing governmental information, in particular with foreign researchers. Therefore, being in Japan allowed me to contact and create a rapport with Japanese officials.

Based on information collected

Japan's catch maps, one can then examine the spatial and temporal patterns of Japanese fish consumption. Although the onus is undoubtedly on the resource-extracting nation to ensure the sustainability of the resource use, an understanding of the sustainability of the exploitation pressure exerted by the consumption demand of the importing countries is evidently in the best interest of the importing countries, as it dictates the long-term security and stability of the resource supply. I hope that the mapping of consumption undertaken in my research will lead to a more thorough analysis of this issue.

References

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- Vannuccini, S. 2003. Overview of Fish Production, Utilization, Consumption and Trade. Food and Agriculture Organization of the United Nations, Rome, Italy.
- Watson, R., A. Kitchingman, A. Gelchu and D. Pauly. 2004. Mapping global fisheries: sharpening our focus. *Fish and Fisheries* 5, 168-177.

News and Notes

Welcome

Dr Steve Martell joined the Fisheries Centre Faculty on July 1, 2004. Steve completed his PhD on British Columbian pink shrimp fisheries with Professor Carl Walters in 2002. Following his PhD, he spent several months working with Professor Jim Kitchell at the Center for Limnology, University of Wisconsin, Madison, before taking a Faculty position at the University of Maryland's Center for Environmental Science. Pleased to be back home in Canada, Steve will pursue his interests in developing innovative quantitative modelling tools for fisheries management and engaging in active collaboration on a diverse range of fisheries modelling projects centered around local British Columbian fisheries.

Please join us in welcoming Steve and we look forward to hearing more from him in future issues of *FishBytes*.

Dr Marvin Rosenau is a fisheries biologist currently on secondment to the UBC Fisheries Centre from the BC Ministry of Water, Land and Air Protection. Much of his previous work has concentrated on habitat issues of streams and lakes in this BC. Most recently he was a Director of the Fraser River Sturgeon Conservation Society, working on a population estimate of the lower Fraser River white sturgeon.

While at the Fisheries Centre, he is analyzing 50 years of catch statistics for the coast of British Columbia. He is also involved with other tasks relating to providing interactive collaboration between UBC academics and the British Columbia fisheries program.

Dr Victoria Isaac is currently visiting from the Brazilian University of Para, Belem, which lays in the mouth of the Amazon River. Victoria, who was Daniel Pauly's first PhD student in Kiel, is supported by the Research Council of Brasil (CNPq) and is analyzing an 11-year set of fisheries data on the Middle Amazon artisanal fisheries. She is looking for temporal and geographical trends that will help describe this complex fishery system. She expects to use the results to suggest strategies for the management of Amazonian fisheries.

Congratulations

Former Fisheries Centre student and longtime editor of *FishBytes*, **Dr Melanie Power** (now Antweiler), married **Werner Antweiler**, an Associate Professor at UBC's Sauder School of Business, on Saturday, August 21, 2004. The ceremony was with the University Hill Congregation of the United Church of Canada, held at the Chapel of the Epiphany at the Vancouver School of Theology, and the reception followed at Green College. Tony and Valerie Pitcher attended the ceremony. Please join us in wishing them every happiness in their future together.



Graduate student, **David Preikshot** married **Tania Tripp** in a ceremony at the University of Victoria interfaith chapel on



Saturday, July 31, 2004. The reception was held at the University Faculty Club. In attendance was Villy Christensen and his wife Ellen, Carl Walters and his wife Sandy, Peter Rossing and his wife

Miki, and Pablo Trujillo. Please join us in wishing them a long, happy and prosperous life together!

Dr Tom Okey has been awarded the 2004 Thomas M. Frost Award for Excellence in Graduate Research by the Ecological Society of America's Aquatic Section, for his *Ecological Monographs* paper "Macro-benthic colonist guilds and renegades in Monterey Canyon drift algae: partitioning multidimensions", the subject of his Master's thesis. The Frost Award is presented annually to a scientist in recognition of an outstanding paper resulting from research done as a graduate student. See: Okey, T.A. 2003. *Ecological Monographs* 73(3): 415-440.

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