

IN THIS ISSUE

PIRACY Project
Making Waves 2011
MMM: Class of 10-11
Internship Reports
MAP News
Alumni News
Birth Announcements
Wedding Announcements
MAP 25th Anniversary



PIRACY Project Underway at Marine Affairs

The Marine Affairs Program is leading a team of Dalhousie researchers in tackling a new approach to the age-old problem faced by seafarers the world over: piracy. A half-million dollar, two-year research grant from the TK Foundation and in-kind Dalhousie University support will be used to examine issues surrounding modern piracy, to gain insights that may help to prevent future outbreaks of violence at sea.

The **Policy Development and Interdisciplinary Research for Actions on Coastal Communities, Youth and Seafarers (PIRACY)** Project will involve a broad stocktaking of recent piracy incidents and counteractions, so as to determine the true impacts and costs of piracy on seafarers, coastal states and communities where piracy has become a major industry. The analysis will lead to policy alternatives for dealing with piracy in a comprehensive and integrated manner, rather than the usual approach of examining piracy from a single thematic perspective. Policy recommendations will be presented to key policy stakeholders who have both the mandate and responsibility to address the problem of piracy and protect the economic and social wellbeing of those affected by acts of piracy.

Team members from MAP, the Centre for Foreign Policy Studies (CFPS) and the School of Information Management are presently engaged in preliminary case-study research and data analysis within six geographical areas: the Caribbean Basin, the Gulf of Thailand, the Straits of

Malacca, the South China Seas, the West African Coast and the East African Red Sea region.

In conjunction with the International Maritime Organization's World Maritime Day theme of piracy, the PIRACY Project team will offer an opportunity for public engagement with the major themes of the project at a marine piracy symposium, **"The Consequences of Marine Piracy for Global Communities: Issues of Legal, Governance, Operational, Social and Economic Concern."** The symposium will be a series of discussion panels on the legal, operational, economic and social consequences of piracy and will be held September 30, 2011 at Dalhousie University.

Making Waves 2011

The Master of Marine Management Class of 2011 will present their final projects on Tuesday, August 30, 2011, 9AM-4PM, in Room 1009, Rowe Management Building, 6100 University Ave.

All are welcome to attend. For more information, contact Becky Field, Administrator, marine.affairs@dal.ca



MMM Interns: Class of 10-11

Jacinthe Amyot

Jacinthe's internship was with Nova Scotia Department of Natural Resources (Parks and Recreation Division). Her research focused on sandy beach management tools with the aim of developing one that is most appropriate for Nova Scotia. The goal of her graduate project is to provide coastal managers with a systematic approach to sandy beach conservation and use/development using socio-ecological characteristics of beaches environments. Her academic supervisor is Dr. Jon Grant, professor in the Department of Oceanography.

Brendal Davis

Brendal is an international student who interned with World Wildlife Fund-Canada in Halifax, Nova Scotia. Under the guidance of the Oceans Team, she reviewed Canada's National Plan of Action for Shark Conservation and Management (NPOA-sharks), with an aim to determine its effectiveness against its stated objectives and actions. In addition, Brendal looked at international marine policy examples for elasmobranchs and other marine species that may be applied to a more comprehensive NPOA. As part of the research, the first Atlantic Canada Shark Forum was used to identify regional concerns, and congruent to the revision of the NPOA, develop a regional plan of action for sharks, for Atlantic Canada and the Eastern Arctic. The output of this project will give DFO a head start to revising the NPOA and develop a preliminary RPOA. Brendal has the invaluable supervision of Dr. Boris Worm, professor of Biology at Dalhousie University.



Brendal Davis, seaside in Nova Scotia.

Maria Delesalle

Maria (a.k.a. Buggy) spent seven weeks living in Pangnirtung, Nunavut to undertake her internship with Pangnirtung Fisheries Ltd. During her time in Pang, she worked on creating a Quality Management Plan for a new seal fishery as well as completing research on the feasibility and structure of a Fair Trade Fish campaign. Outside of the work experience with PFL, Buggy participated in a number of unique experiences

including snowmobiling, ice fishing, hunting, boating and numerous Arctic day hikes. The physical beauty and friendly people of Pang made her stay up in the Arctic most enjoyable. "It was a once in a lifetime opportunity that I feel very fortunate to have been given. I hope to one day return to the many friendly faces that live up there." Chris Milley, MAP Adjunct Professor, is her academic supervisor.



Maria (Buggy) Delesalle in the Canadian Arctic.

Alanna Gauthier

Alanna has completed an internship at Paqtnekek Mi'kmaw Nation working alongside Paqtnekek Fisheries Enterprise (Antigonish area), researching how to develop a livelihood fishery (fishing to support oneself and one's community). During the internship, Alanna interviewed Paqtnekek community members on livelihood fishing and attended several livelihood fishing committee meetings. This project will provide Paqtnekek Mi'kmaw Nation with an assessment on the opportunities and barriers to developing a livelihood fishery. Alanna's supervisor is Chris Milley, Adjunct Professor of Marine Affairs. Though her internship is completed, Alanna continues to be a member of the livelihood fishery committee.

Katie Hastings

Katie completed her internship with the Oceans and Coastal Management Division of Fisheries and Oceans Canada in Dartmouth, NS. Under the supervision of Marty King in the Protected Areas and Conservation Planning section, Katie began investigating best practices in stakeholder engagement through a combination of literature review, in-depth case studies, and discussions with marine protected area practitioners. This research is being completed to inform the forthcoming marine protected area network planning process in the Scotian Shelf bioregion. Her academic supervisor is Elizabeth De Santo, Assistant Professor, MAP.

Emma McLaren

During the summer of 2011, Emma split her internship between the WWF-US office in Washington DC and the WWF-Canada office in Toronto. At the WWF-US office, she was

assigned to assist the Salmon Aquaculture Dialogue Senior Program Officer with research and copy-editing for her eventual task of compiling and summarizing all public comments of the final draft Salmon Aquaculture Dialogue standards. She began her comparative analysis of current draft and final standards for global salmon aquaculture practices. The WWF-US office was very warm and welcoming and Emma had a opportunity to join a softball game at the base of the Washington Monument. At the Toronto offices of WWF, she supported the Sustainable Seafood Specialist with communications, retailer liaison and detailed aquaculture standard comparisons. Emma visited the Loblaw Inc head office to attend a sustainable seafood meeting. Peter Tyedmers, Associate Professor, School for Resource and Environmental Studies, is Emma's graduate project supervisor. "I have a lot of people to thank for my experience and was very grateful for all the support and patient teaching I received. Real world MMM is so cool."



Emma McLaren at the Washington Monument

Michele Megannety

Michele spent her internship with the Canadian Wildlife Service in Iqaluit, Nunavut, under the guidance of Olaf Jensen and Siu-Ling Han. She reviewed the proposed shipping activity for the Baffinland Mary River Project, an immense iron ore mining venture located in northern Baffin Island. Michele's research helped identify the hazards associated with shipping iron ore year-round through Foxe Basin and the Hudson Strait and the risks posed to marine mammals and seabirds. The intent of the project is to propose potential mitigation strategies that can be implemented for the Mary River Project, as well as for other future projects occurring in the Canadian Arctic. Ron Pelot, a professor in the Faculty of Engineering with a focus in risk analysis, is Michele's academic supervisor.

Dale Menard

Dale's internship was with the Wells National Estuarine Research Reserve (WNERR) in Wells, Maine. His internship host is Dr. Michele Dionne, Research Director at WNERR. His research focused on investigating the degree of pollution by nonpoint sources in the Merriland Branch Little River



Michele Megannety at sunset in Iqaluit.

(MBLR) Watershed, and the impacts of these pollutants on diadromous fish populations spawning in the MBLR. Dale will compare the results with other watersheds, as described in the scientific literature, in an attempt to determine what management strategies can best address the issues associated with nonpoint source pollutants and diadromous fish. Peter Wells, MAP Adjunct Professor, is Dale's academic supervisor.

Jan Reuchlin

Jan interned at the Halifax Port Authority (HPA) where Rob McInnes acted as his intern host. The goal of his intern project was to determine to what degree the environmental performance of North American ports is important for their competitive position. The results will provide insights to ports with which they can determine further actions concerning their environmental performance. His academic supervisor is Mary Brooks, Professor of Marketing and Transportation in the School of Business at Dal.



Will Russell and Jan Reuchlin

Will Russell

Will spent his internship with the Joint Coordination Rescue Centre (Halifax) under the supervision of Harvey Vardy, the Regional Supervisor of Maritime Search and Rescue (SAR) for the Canadian Coast Guard. His project is focused upon the Agreement on Cooperation on Aeronautical and Maritime Search and Rescue in the Arctic which was recently signed by the

eight Member States of the Arctic Council. Through an evaluation of past Arctic SAR incidents as well as projected maritime activity levels, the project will propose recommendations tailored for a region-specific SAR strategy for Canada. The academic supervisor for the project is Dick Hodgson, Adjunct Professor of MAP.

Will was one of 10 students selected to receive the 2011 DFAIT Graduate Student Fellowship on Canada's Arctic Foreign Policy. As part of the Fellowship, Will submitted a research paper titled "Canada's Arctic Shipping Policy- Are We Missing the Boat?" and presented the paper at a symposium that took place at the University of Saskatchewan in Saskatoon in March.

Jennifer Steele

Jennifer is completing an internship with Environment Canada in the Environmental Assessment & Marine Programs Division, under the guidance of Wayne Barchard. Her research pertains to the improvement and integration of coastal water quality monitoring in Nova Scotia, with the aim to contribute recommendations on actions for the province's forthcoming Coastal Strategy. Lucia Fanning, Director of the Marine Affairs Program, is Jennifer's academic supervisor.

Katie Wagner

Katie Wagner interned at the Department of Fisheries and Oceans in the Oceans and Coastal Management Division under the supervision of Aimee Gromack (MMM 2008) in the Protected Areas and Conservation Planning section. Katie participated in the design and administration of a pilot project to map and document information about the distribution and intensity of coastal activities (specifically, commercial and recreational fishing) on Nova Scotia's Atlantic coast. The purpose of the project is to address the data gap of fine-scale, human use information for the purpose of marine protected area planning efforts. Her graduate project will evaluate the pilot projects methodology of interviewing Conservation and Protection officers for the collection of this type of information. Her academic supervisor is Dr. Elizabeth De Santo, Assistant Professor from the Marine Affairs Program.



Katie Hastings and Katie Wagner

MAP News

Activities of Elizabeth De Santo and Lucia Fanning

CONFERENCES

Elizabeth participated in the Dalhousie Conference on University teaching and Learning and the Canadian eLearning Conference, April 2011; supported the presentation of Rachael Craig, Learning Assistant for Sustainability 2001, on "Simulation and Sustainability-Readiness: Leveraging e-Learning Technology for Real-World Impact" with co-instructor Matthew Schnurr (International Development Studies), and participated in the discussion of the impact of e-learning based technologies developed for the course

Elizabeth also participated in the second **International Marine Conservation Congress** held in Victoria BC in May, where she presented on "Governing MPAs: Getting the Balance Right" (www.mpag.info)

She contributed a CPAWS report which was released at the conference, "**Science-based Guidelines for MPAs and MPA Networks in Canada**"

She also represented MAP at Capitol Hill Ocean Week in Washington DC in June, an annual event organized by the US National Marine Sanctuary Foundation

GRANTS

Elizabeth was awarded a Dalhousie University Research Development Grant in summer 2011: "Towards an understanding of the role of marine environmental information in policy-making addressing crises in ocean health"

MEDIA COVERAGE

Elizabeth was interviewed by Katie McDonald in Dalhousie News (May 30, 2011): Scientists Urge Greater Protection of Marine Preserves – Dalhousie Oceans Week June 1-8.

Elizabeth was also interviewed by John Davis in MPA News (Vol. 12, No. 6, May-June 2011): Finding the Balance: Strengthening MPA Governance by Mixing Top-Down, Bottom-Up and Other Approaches.

Presentation at IMC2011, Karachi, Pakistan

MAP Director Lucia Fanning gave a presentation titled "**Rethinking the Problem of Piracy**" at the 4th International Maritime Conference (IMC2011), held at Bahria University, Karachi, Pakistan, March 8-9, 2011.

The conference's topic was "**Maritime Security Management: Contemporary Challenges and the Need for Global Cooperation,**" with talks given on piracy and maritime security, environmental issues, and global trade management. The conference was organized in tandem with the multinational naval exercise "AMAN 11," an event which attracted a range of international experts with an interest in promoting security and stability in the region.

MAP Alumni News

Birth Announcements



Lorenzo Carlos Menafra Penney was born June 23 to parents Christine Penney and Rodrigo Menafra (both of the MMM class of 2000). In the spring, Christine was appointed Vice President Sustainability and Public Affairs of Clearwater Seafoods Ltd. Rodrigo is the Marine Coordinator at the Canadian Parks & Wilderness Society (CPAWS-NS).



Sarita Williams Peter (MMM 2010) and husband Shorn Peter welcomed baby Stefan, 8lb. 12 oz., on July 19. Sarita is a Fisheries Biologist with the Department of Fisheries in St. Lucia.



Don (MMM 2007) and Andria (current MMM student) Logan welcomed Liam Rhys Logan, 8lbs 14oz, on July 14, shown above with dog Ender. The family has recently moved to Calgary where Don has taken a position with the National Energy Board.

Wedding Announcements



Sophia Foley and Joe Beland, both MMM Alumni class of 2005-2006, were married June 4th, 2011 at St. Mary's Boat club in Halifax. Classmates Shannon McCormic and Rocky Yao attended the wedding.

