

# the Bridge

Volume 1, Issue 2, Winter 2002



## A MILESTONE FOR MARINE INSTITUTE: ISO 9001 REGISTRATION

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On December 14, 2001, staff and faculty at the Marine Institute celebrated a long-awaited milestone: ISO 9001 registration. It was the result of four years of hard work. Victor Kellner, KPMG's senior quality system auditor, presented the certificate to staff and faculty as he complimented the institute on its successful diversity of programs. "The Marine Institute's achievement places it in the company of a select group of education institutions in North America."

Leslie O'Reilly, executive director of the institute, says the pursuit of ISO 9001 registration reflects the institute's desire to improve its effectiveness in meeting stakeholders' needs in an environment, which has growing economic restraints and, at the same time, is becoming increasingly customer oriented. "ISO 9001 registration is just the beginning of continual improvement for the Marine Institute and we have the hard work and dedication of our staff, faculty and managers to thank for the achievement."

Eugene Lye, Marine Institute's quality facilitator, added, "Success did not come without some challenges, but the commitment of management and the support received from Human Resources Development Canada, the Atlantic Canada Opportunities Agency, and the Government of Newfoundland and Labrador enabled the institute to overcome these challenges. The registration drew on the knowledge, the commitment and the dedication of the institute's 250 employees."

As part of ISO 9001 requirements, a steering committee and an implementation team, made up of managers, staff and faculty, were set up. The implementation team met weekly to develop plans and quality system documents, which were reviewed, refined and then approved by the steering committee. In addition, 44 employees took part in audits, which proved to be one of the most important aspects of the process, enabling the institute to identify where improvements can and should be made.

The institute will use ISO 9001 to help train new personnel, assess its current practices, identify opportunities for improvement and implement those improvements. The registration of the Marine Institute's Quality System to the ISO 9001 standard will enhance its reputation of serving industry needs at a level recognized and accredited by over 100 countries. ~



Photo: Margo Hanlon, Leslie O'Reilly, and Eugene Lye accept ISO 9001 registration certificates from Victor Kellner.



# THINKING GLOBAL: EXECUTIVE DIRECTOR'S MESSAGE



Photo: Leslie O'Reilly, executive director.

The Fisheries and Marine Institute is a global player in education and training in support of the oceans. Our national and international partnerships and the success of our alumni make us the strongest and most comprehensive marine training organization in Canada. Being recognized worldwide is very important if our graduates are going to walk away, not just with a diploma, but with good job prospects. And that's our goal.

Nationally, we are assessing our recruitment strategies in New Brunswick and Nova Scotia to diversify our student body and expand our capabilities throughout Atlantic Canada. So far the response to our school visits has been phenomenal. We're opening a world of possibilities for students. In addition, we've had meetings with industry and educational institutions in the Great Lakes area to discuss strengthening their marine training capability.

We are also growing internationally. Our focus, traditionally, has been on developing countries, but we're also working in countries such as Ireland, training fishing masters, and researching fishing gear technologies for the University of New Hampshire. These partnerships help other countries improve their marine and fisheries training and help us strengthen our international presence while exposing us to new challenges. In addition, we've just been accepted into the

International Association of Maritime Universities, which brings together maritime universities worldwide. This will help give us an idea of benchmarks in marine universities and keep us abreast of breakthroughs in education and training, opening possibilities for alliance building and collaborative networking.

The success of our alumni is another reason for our global reputation. In offshore oil and gas our graduates fill 90-95 per cent of the senior offshore positions. This is largely because they work in the international marine industry, picking up tremendous experience.

Finally, another significant milestone is our registration of ISO 9001. The Marine Institute now has a quality system certified to an international standard and it's an indication of how we've worked together to strengthen the culture of the institute. ~

## HOW TO CONTACT US

*The Bridge* is published twice a year by the Fisheries and Marine Institute of Memorial University of Newfoundland. We welcome submissions, story ideas, photographs, letters and, of course, your comments. Get in touch with us!

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066-108 02-02-2,000

We're very proud to bring you the second issue of *The Bridge*. The premiere issue of the newsletter received terrific reviews and we are very thankful for your compliments and encouraging words of support.

Publishing *The Bridge* is certainly a learning process for us. We're still finding ways to improve the design and format with every issue (some of which you'll notice in this edition). We also have the opportunity to discover and learn more about the work in which our faculty, staff, students and alumni are involved. In fact, filling an issue of *The Bridge* is not hard — there are so many interesting stories to tell about the institute. Be sure to read about Marine Institute's *M.V. Lauzier* tour of the south coast and our profile of the research chair in fisheries conservation.

In this issue, we are also very pleased to bring you our new "What's Happening with MI Alumni" section. Many of you completed our alumni survey and told us about your lives, accomplishments and careers since graduating from the institute. Perhaps you'll see one of your fellow classmates listed. You can also fill out our alumni card if you would like to be included in our next issue.

Thank you to everyone who contributed to this issue. If you would like to get involved or tell us about your work, please let us know. In the meantime, look for the Marine Institute's 2001-2002 Annual Review in June where you can catch up on all of our activities and our plans for the coming year. We will be back here with *The Bridge* in fall 2002. ~

KT

## MESSAGE FROM THE BRIDGE

# MARINE INSTITUTE SETS SAIL TO LAUNCH A NEW MARINE COURSE FOR HIGH SCHOOLS

By LESLIE NOFTALL

It was all hands on deck when the Marine Institute's *M.V. Lauzier* left St. John's in October for a seven-day marine study tour of Newfoundland's south coast with high school students from St. John's, Harbour Breton and the Burin Peninsula. The tour was part of the Marine Institute's new pilot course, Marine Technology 2128, launched this past fall to increase awareness among high school students of the nature and scope of marine related industries and the impact on our province's culture.

Captain Jan Negrijn of the Marine Institute and Fiona Cuthbert of the Ocean Sciences Centre led the tour. Students from St. John's travelled to St. Mary's on the first leg of the voyage where they learned, among other things, how to put on a survival suit, what a muster station is, and what to do in an emergency. While sailing, the students

learned rope tying, navigation and chartwork, and water chemistry.

The study tour also included open houses in St. Mary's, Burin, Grand Bank and Harbour Breton for which the students conducted plankton tows and other experiments. The deck of the *Lauzier* was transformed into a marine biology lab as students identified the species they caught and learned about their habitat. Stations on water chemistry, plankton tows, cod life cycle and live specimens were set up for the over 800 people who toured the vessel and met the crew.

Jennifer Wagner of King Academy enjoyed the connection with things they were studying in school. "We learned more about plankton tows, different water samples and navigation." Jennifer is a student in the new Marine Technology course. Gabrielle Beaulieu, a Bishop's College student, says, "I've wanted



*Photo: Captain Jan Negrijn demonstrates rope tying skills to students on board the M.V. Lauzier.*

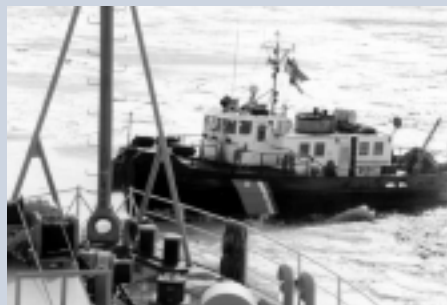
to do something with the ocean ever since I moved to Newfoundland in Grade 5. I got to learn a lot about the ocean and its environment and how important it really is."

Leslie O'Reilly, the institute's executive director, says the tour offered students an in-depth look at possible careers. "The Marine Technology course and the *Lauzier* tour are tremendous opportunities for young people to experience how marine industries operate today." ~

The Marine Institute is teaching crews how to pilot a vessel under some harsh conditions. The Centre for Marine Simulation recently signed a memorandum of understanding (MOU) with Transport Canada to evaluate an ice navigation simulator under contract to the Transportation Development Centre. The simulator, developed by PhiloSoft and Sicom, will provide training for entry-level ice navigators and is part of a larger effort to establish a comprehensive ice navigation-training program.

Captain Anthony Patterson, director of the Centre for Marine Simulation, says, "The capability to simulate navigation through ice is a significant leap forward in training programs targeted at ice navigators. We hope to incorporate the simulator into our training and research programs, and refine ice simulation using the tremendous knowledge base of ice operations here in St. John's."

The simulator gives ice navigators an idea of how to operate a vessel in heavy ice. It features visual presentation of ice around a vessel, realistic ship movements through the ice,



*Photo: Ship in heavy ice.*

shipboard radar simulation and outputs for standard shipboard equipment. The simulator compliments the centre's world-class simulation capability, which includes a full mission bridge simulator, two dynamic positioning simulators, a ballast control

simulator, blind pilotage simulators, a propulsion plant simulator and a global maritime distress and safety system simulator.

"Working closely with government and the marine transportation industry to train ships' officers to perform safely and efficiently has been the mainstay of the Marine Institute," says Captain Patterson. "This MOU is an important step in maintaining Canada's leadership in ice navigation." The collaboration is the latest phase of a five-year research and development program by Transport Canada to develop a low-cost, widely available ice navigation simulation platform. ~

## MARINE INSTITUTE PARTNERS WITH TRANSPORT CANADA ON ICE NAVIGATION SIMULATOR

# MI INTERNATIONAL: REACHING OUT TO THE WORLD

International involvement has been a foundation upon which Marine Institute culture has been built. From its beginning in the late 1980s, MI International started building expertise in the international development arena. Though the focus has been broadened to include international contracts, initiatives in the developed world, and a global graduate placement program, the mission remains the same: To provide a unit dedicated to the design, development and management of international projects.

Bill Chislett, director of MI International, says, "As a result of consistent success in acquiring and managing international development projects, the Marine Institute is recognized as one of a few elite colleges engaged in the international arena."



Photo: Bill Chislett (far right) helps mark the opening of MI International's latest project in Palawan.

To date, MI International has secured more than 60 funded projects in over 30 countries. Projects are currently being implemented in the Bay of Bengal, Philippines, Thailand, Indonesia, Viet Nam, Cambodia, China and Malawi. The total value of current contracts is approximately \$10 million (Cdn.), \$3 million of which is directly controlled by the Marine Institute.

The benefits of international engagement go well beyond the financial gains. Professional development and the internationalization of programming support MI's vision of being a global leader. As of January 2002, MI International has engaged a total of 55 MI personnel and 38 MI students/graduates on

assignments overseas. About 280 overseas partner representatives have been trained at the Marine Institute on these projects. These statistics, says Chislett, place the Marine Institute at one of the highest international participation rates of any college in Canada.

## Southeast Asia

MI International builds partnerships and linkages with education and training institutions, government ministries, regional inter-governmental organizations, and public and private sector organizations. In the Philippines, MI International partners with the government's Commission on Higher Education to support the upgrading of staff, facilities and curriculum in maritime colleges in the country. A \$1 million project in Southeast Asia involves a partnership with the Southeast Asian Ministry of Education Organization (SEAMEO) to assist it in becoming more entrepreneurial and demand driven. The extensive network of international partner organizations has also been used as the foundation for MI International's Global Graduate Placement Program which places MI graduates on six-to-ten-month internships in the developing world.

One of MI's strongest international partnerships is with the South East Asian Fisheries Development Centre (SEAFDEC), an autonomous inter-governmental body established in 1967 to promote fisheries development in South East Asia. In 1998 the relationship with SEAFDEC was formalized through the signing of an MOU between the two organizations. This has resulted in continuing mutually beneficial activities. The most recent such activity was being actively involved in a major regional fisheries development forum, the ASEAN SEAFDEC Millennium Conference on Sustainable Fisheries for Food Security. Two MI employees worked at the SEAFDEC Secretariat in Bangkok throughout July and August, assisting with writing the technical documents for the conference. In November, a number of MI and industry personnel, supported by three MI

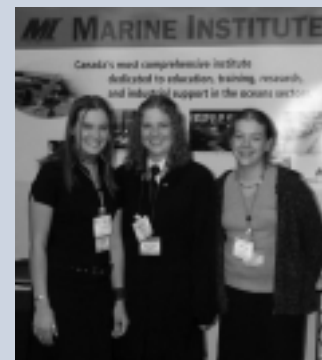


Photo: (L-R) Erin Priddle, Suzanne Dooley and Sarah Clarke, graduates of MI's marine environmental program have been interning in Asia since August 2001.

international interns, who were employed at SEAFDEC since August, participated in the conference and associated trade exhibition. Leslie O'Reilly, MI's executive director, made a formal presentation to the invited conference delegates of the ten ASEAN member states describing MI's approach to international development, and outlining how MI can provide expertise and assistance for fisheries development within the region.

## Viet Nam

In September 2001, largely as a result of its international outreach capabilities, the Marine Institute, as part of a consortium of four Canadian colleges, was awarded a new five year, \$4.7 million project to plan and help establish Tra Vinh Community College in Viet Nam's Mekong Delta. The project will involve Marine Institute specialists who will provide advice on topics such as strategic planning, curricula and learning materials development, teacher training development, project management, and facility design development. Chislett says, "This project builds on the Marine Institute's strong global reputation, and experience in international project design and implementation, which includes more than 10 years of experience in Southeast Asia and several multi-year projects in Viet Nam."

For more information on the work by MI International, visit their Web site at [www.mi.mun.ca/mi/miint](http://www.mi.mun.ca/mi/miint).

## EDUCATION FROM AFAR BY BERNARD BROCKERVILLE

Marine Institute students come from and work all over the province, country and around the world. Because of the geographical distance between some students and the school's physical location, distance education or e-learning has become a big part of the institute's operations.

Over the past five years the institute has developed a number of unique distance education initiatives. 1997 saw the launch of the bachelor of technology program, which is very popular. Over 600 students, some from as far away as Latin America, have been accepted into the program in the past four years.

The bachelor of maritime studies degree is also available via distance. Since mariners are typically away from home for extended periods, this may be the only option for them to continue their studies. The institute has also increased

the number of Transport Canada courses available on-line so mariners can pursue higher levels of certification. Robert Stacey of Victoria, British Columbia, is completing his Master Mariner certificate. "At first I was a little hesitant about distance courses, but once I started the program I found the instructors excellent and the quality of the CD-ROM great."

E-learning benefits students and employers. Employers appreciate that employees can increase their credentials without having to take extended time off work. For students, it keeps costs down and provides access to programs anywhere, anytime. Jeremy Whittle, an employee of Canship Limited, says he didn't have the time to attend classes. "The distance courses provided me the flexibility to complete the bachelor of maritime studies degree while working internationally and allowed me to move into a ship management position."


There are 17 courses available on-line, including *Effective Instruction* and the *Radio Operator's Certificate*, a new course developed for radio station personnel who are required by Transport Canada to upgrade their certification by April 1, 2002. As well, a project is underway to enhance the accessibility of courses from remote vessels. These initiatives help the institute better serve its students in the local, national and international marine industry. 



Photo: Students can access distance education courses through the Marine Institute Learning Electronics Services (MILES) Web site.

The distance between Newfoundland and Ireland is getting shorter thanks to some partnerships with Irish businesses. The Marine Institute has secured several deals and is working on a number of others by working in partnership with the Irish Business Partnerships organization based in St. John's and the Ireland Newfoundland Partnerships organization in Ireland.

The Canadian Centre for Marine Communications (CCMC) led the way in 1999 with a \$300,000, three-year contract to provide consulting services to the Geological Survey of Ireland. CCMC assembled a group of experts from the Geological Survey of Canada, the Canadian Hydrographic Service, and the Ocean Mapping Group of the University of New Brunswick to carry out the contract, the beginning of a much larger project that includes a survey of Ireland's entire seabed. Through this initiative, CCMC has established a strong relationship with the

Geological Survey of Ireland, providing the opportunity to meet more needs of Ireland's marine technology community.

Then, in September 2001, a delegation of industry and government representatives from Ireland visited St. John's and the Marine Institute. Since then, several joint initiatives have been underway such as distance delivery courses for the Irish Sea Fisheries Board, assisting St. Angela's College Food Centre in developing a higher diploma in food technology, and developing a distance course with the University College in Cork for the Marine Institute's new masters degree in coastal zone management. The value of these pilot projects is \$86,000.

Recently, a one-week workshop for 12 Irish fish harvesters was successfully completed at the Centre for Sustainable Aquatic Resources. The workshop focused on fisheries science and

technology, and testing a variety of gear types at the institute's flume tank.


The Marine Institute's relationship with Ireland also means economic spin-off for the local economy. It is estimated that the fish harvesters workshop alone contributed \$200,000 in equipment purchases from local manufacturers. Other initiatives being pursued include activities related to port development, search and rescue, fisheries management, aquaculture, seafood processing, and exchange programs. 



Photo: Fish harvesters from Ireland.

## MI WORKING WITH IRISH PARTNERS

# MI AT A GLANCE

- MI's purchasing officer, Barry Hanlon, was recently presented with the President's Award for Exemplary Service at MUN's employee awards ceremony. Barry received the award for his commitment and dedication to the institute, its students, clients and his co-workers. Five MI employees also received service pins: Gary Green was recognized for his 25 years of service while Azmy Aboulazm, Cameron French, Deborah Janes and Leslie O'Reilly were acknowledged for their 20 years with the institute.



Photo: (L-R) Azmy Aboulazm, Leslie O'Reilly, Barry Hanlon, Gary Green. Missing – Deborah Janes and Cameron French.

- The Marine Institute was on the diplomatic front this fall. In early November it hosted Shlomo Avital, the Counsel General of Israel. Later in the month, the United States Ambassador to Canada, Paul Cellucci, and his wife, Jan Cellucci, met with Marine Institute representatives and toured the full mission bridge simulator.



Photo: Paul Cellucci, United States Ambassador to Canada.

- On November 21st, scholarship supporters joined the Marine Institute to honour the outstanding achievements of our students at our semi-annual scholarship ceremonies.



Photo: Minister Kelly (R) speaks with MI student following the scholarship ceremony.

Sandra Kelly, minister, Youth Services and Post-Secondary Education, was in attendance. Last semester, 51 students were awarded for their hard work, leadership, initiative, and commitment – characteristics for which Marine Institute students and graduates are known worldwide. This semester, the Marine Institute awarded more than \$32,000 with the generous support of our scholarship supporters. We wish all of our students all the best in their future studies and congratulate them on a job well done.

- In November, coastal zone management students and instructors participated in an Ecotourism Conference in Springdale, sponsored by the Emerald Zone Corporation. All students in the Coastal



Photo: Advanced Diploma in Coastal Zone Management students

Resources 4201 course made and presented a poster on a coastal zone management issue. Topics were related to ecotourism locally, nationally or internationally. Keith

Mercer, chair of the advanced diploma in coastal zone management, and MI instructor John Mackey were also presenters. The students, with the guidance of instructors Joy Blundon, Keith Mercer, Jan Negrijn and John Mackey, also conducted an ecotourism workshop. The conference gave participants an opportunity to meet professionals from various government agencies and private businesses to discuss the challenges of ecotourism, one aspect in the diverse discipline of coastal zone management.

- Executive director Leslie O'Reilly spoke at the Canadian Company of Master Mariners conference in Halifax in October on the future of marine training. He followed this up with a presentation at the Rural Expo in Gander, where he highlighted the institute's partnership with rural communities to offer training and research opportunities to young people and organizations.



Photo: Fire Commissioner Mike Dwyer and Leslie O'Reilly sign the agreement to co-host the Atlantic regional segment of the Canadian Firefighter Combat Challenge.

- The Marine Institute and the St. John's Regional Fire Department will co-host the Atlantic regional segment of Canadian Firefighter Combat Challenge on July 27, 2002, in St. John's. Firefighting teams from across Nova Scotia, Prince Edward Island and Newfoundland and Labrador, including a team from the institute's Offshore Safety and Survival Centre, will compete in five grueling events that will test their firefighter fitness and demonstrate the rigors of the profession.

This is the first time the Combat Challenge has been held in the province.

- A recent survey of 2001 MI graduates indicates the majority of respondents were highly satisfied with the quality of their program and with their instructors. The institute's services and facilities were also rated highly. Career opportunities, program quality and institute reputation appear to be the key reasons why graduates chose to study at the Marine Institute.
- The Marine Institute and the College of the North Atlantic will host the 2002 Annual Conference of the Association of Canadian Community Colleges, May 26-28, 2002. Representatives from Canada's colleges, institutes, cégeps and university colleges will gather in St. John's to discuss the pivotal and proactive role they play in preparing individuals for participation in the workforce. For more information about the conference, visit <http://conference.acc.ca/>.
- The New Brunswick Community College, Saint John campus, and the Marine Institute held a news conference in January to sign a new articulation agreement to provide the college's accredited engineering technology graduates with access to the institute's bachelor of technology. New Brunswick's training and employment development minister, Norman McFarlane, welcomed the announcement. "This is a great opportunity for our engineering technology graduates to obtain a valuable credential through an additional one or two years of study." The degree program enhances the academic backgrounds of technologists so they can pursue management positions or entrepreneurial endeavours. Graduates of nationally accredited engineering technology programs can obtain the degree by completing 12 courses and a technical report, which are offered by the Marine Institute by distance delivery through Internet-based technology and at its campus

in St. John's, Newfoundland. The institute hopes to sign similar agreements to provide access to the bachelor of technology with NBCC's Bathurst campus and the Nova Scotia Community College soon.

- The institute's latest educational product on CD-ROM is now available. Marketed towards other post-secondary facilities, the *Fundamentals of Teaching and Learning (FTL)* orients new faculty to effective teaching techniques in the post-secondary setting and offers an introduction to the basics of teaching and learning with such topics as lesson plan development, instructional techniques and incorporating technology. The FTL is the latest in a series of CD-ROM courses available through the MI bookstore and on-line through the institute's MILES Web site - [www.mi.mun.ca/distance/](http://www.mi.mun.ca/distance/).
- Memorial University has moved up one notch in the Maclean's magazine annual ranking of universities. In the 2001 version of Maclean's Guide to Canadian Universities, MUN sits at fifth place in the comprehensive universities list. Of the 11 comprehensive universities included, Memorial ranks fifth in the Highest Quality and Best Overall categories, and fourth in the Leaders of Tomorrow list, for an overall Reputational Survey ranking of 5. Asked to suggest some reasons for the sudden move upward, Memorial President Axel Meisen said dozens of factors possibly contributed. "Our Oil and Gas Initiative has had a fair degree of resonance around the country," he said, "especially because it is built on existing strengths at the university. There is also a growing recognition that our co-op programs are producing excellent graduates." (Reprinted from *The Gazette*, Nov. 29, 2001) ~

## CHECK IT OUT!

Looking for a great gift for your family and friends or a Marine Institute alumnus? The new Marine Institute bookstore has fully stocked shelves of Marine Institute sweatshirts, t-shirts, mugs, backpacks, baseball caps, pens and clipboards.



Photo: Jean Tifford, MI bookstore manager, displays the institute's new clothing line.

### ADDITIONAL MI MERCHANDISE



## C-SAR STUDIES SALTWATER SPORTS FISHERY By ROBYN SAUNDERS

The Marine Institute is working on a two-year initiative to investigate the potential for a recreational sports fishery in Holyrood Pond, a saltwater basin located on the southern portion of St. Mary's Bay. The project, co-ordinated by Captain Jan Negrijn of the Centre for Sustainable Aquatic Resources, is in partnership with the St. Mary's Bay Development Association, Department Fisheries and Oceans, Department of Fisheries and Aquaculture, Atlantic Canada Opportunities Agency and Human Resources Development Canada.

Recreational fishing is a thriving industry in other provinces and in the southern United States, and saltwater sport fishing is quickly gaining in popularity. This study of Holyrood Pond will determine resource availability of both marine and freshwater fish species as well as other useful information such as the

best times and locations for anglers to deploy gear and the best suited gear type for a particular species. This knowledge will be particularly helpful if the findings result in the start-up of recreational fishing guide operations, something that will bring employment and an added tourist attraction to the area.

The first phase of the study (June to November 2001) was very successful. Six fish harvesters were trained in recreational sport fishing and tagging methods. They fished in three boats for five days a week, eight hours a day, using local equipment as well as recreational gear often used in British Columbia's sport fishery. Large numbers of cod and hake were caught and released while smaller quantities of herring, mackerel, skate, flounder, haddock, smelt, brown trout and rainbow trout were also caught and released.

Captain Negrijn says the data is very optimistic so far. "If results from this year's study are similar, the development plan will most likely see commercialization, although we will err on the side of caution." He adds, should the project go ahead, Holyrood Pond would make an interesting recreational fishing destination and a unique economic venture for the province.

Phase two of the project will run from April to November 2002 with the fishing effort continuing from phase one. During the second phase, a consultant will also be working on a development plan for a recreational fishery to be put in place for phase three. ~

Dr. George Rose knows that partnerships are an important element of the Marine Institute's success. Recently, those partnerships have led to funding for some important research which is being conducted at the institute. The Research Chair in Fisheries Conservation, which is conducting several projects, including cod research, has been renewed for another five years thanks to funding from the Natural Sciences and Engineering Research Council, the provincial Department of Fisheries and Aquaculture, the federal Department of Fisheries and Oceans (DFO), and Fishery Products International.

Dr. Rose, senior chair, Fisheries Conservation, says the first five years of the group's work has shown that rebuilding cod stocks must be considered with factors such as interacting species, spawning cycles and methods of conservation being assessed, as well. "It's

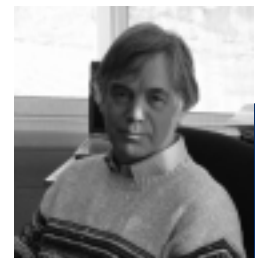
important that consideration be given to the environmental side of fisheries. Healthy fish stocks come from a healthy marine environment." The recent funding will help them do this.

To date, the group has focused on Placentia Bay as a key study area, which first reopened its cod fishery after the moratorium and is now the strongest cod fishery in Canada. The chair has also developed a broad range of collaborations like the one between Memorial and Moi University's Department of Fisheries in Kenya, which allows Dr. Rose to work on coastal fisheries projects there.

The quality of research is evident in the success of its students who have had offers of employment in Canada, the United States, South Africa and New Zealand. "The chair is in a privileged position in that it is the only fisheries group in Canada with access to sea

time from DFO," says Dr. Rose. "This allows us to offer a broad base of experience and exposure in fisheries and marine environmental research. Students go to sea regularly with training in boat handling and marine scientific equipment."

Dr. Rose says there is a strong demand for fisheries scientists in today's market and for continued research in fisheries science in this province. For the next five years, the group plans to continue that research. ~



*Photo: Dr. George Rose, senior chair, Fisheries Conservation*

## DR. GEORGE ROSE: AN INVALUABLE RESOURCE AT MI By ROBYN SAUNDERS

# WHAT'S HAPPENING WITH MARINE INSTITUTE ALUMNI?

## ~ 1991 ~

Barry Avery (Nautical Science Technology '91) received his master mariner certificate and Transport Canada's Bronze Medal for Achievement in July 2000.

Wallace K. Case (Mechanical Engineering Technology '91) works with Newtel as an Internet specialist. He lives in St. John's with his wife, Rachele Finn, RN, and their son, Garratt.

Dwayne Hawkins (Marine Diesel Mechanics '91) is working at Toromont Cat in St. John's.

John Hynes (Marine Diesel Mechanic '91) is employed with Kent Lines Ltd. as a third class engineer. He lives in Whitbourne and has two sons.

Steve Moyse (Advanced Diploma in Aquaculture '91) has been working as a consultant throughout Newfoundland and Labrador.

Glenn Patrick Young (Mechanical Engineering Technology '91) worked with Nordic Canadian Shipping for eight years off Sable Island. He's presently located in the North Sea as first engineer aboard the Nordic Appollo for Uglund Stena Storage. Glenn and his fiancée, Angie, celebrated the birth of their first child in November. Their wedding will take place July 20, 2002.

## ~ 1992 ~

Steve Noseworthy (Mechanical Engineering Technology '92) is employed in the east coast offshore petroleum industry.

D. Pelley (Marine Systems Design '92, Naval Architecture '93) is working on his master's degree in engineering after completing his bachelor degree in engineering in May 2001. His work concentrates on the performance of evacuation systems.

## ~ 1993 ~

Peter Barfoot (Marine Diesel Mechanics '93) has been working with the Brookfield Dairy Group for the past seven years. He was married on September 15, 2001.

Gregory Randall (Marine Diesel Mechanics '93) currently resides in Nova Scotia. He and his wife are expecting their first child.



Photo: Three MI Graduates

Gregory Hynes (Electronics Engineering Technology '93) is a field service manager with MacDonald Dettwiler & Associates, a defense, space and GIS engineering company. The company is widely known for their work on the Canada Arm (I & II) and the International Space Station. Gregory married Kara MacGregor on September 1, 2001.

William (Bill) Jerrett (Marine Engineering Technology '93) has been living in Vancouver, British Columbia for the last seven years and is employed as a mechanical/maintenance supervisor with Cominco Engineering.

## ~ 1994 ~

Lori Thorne (Advanced Diploma in Aquaculture '94) has been employed in the cod aquaculture industry in Newfoundland since 1994 and is working with Memorial University's Ocean Sciences Centre. She was married in 1998 and lives in Torbay.

Cindy Pauline Martin (Mechanical Engineering Technology '94) has been working on an oil tanker for seven years on the Great Lakes and in Atlantic Canada. She is working towards earning her chief engineer ticket.

Michelle Sheppard (Food Technology '92, Graduate Diploma in Fisheries '94) is working as a lab technician and plans to earn an environmental studies degree.

Craig Patrick Gill (Seafood Processing '94) represents Beothic Seafoods during the fishing season doing various tasks including collecting turbot around Resolution Island and buying rock and snow crab in Nova Scotia. During the off-season, he works with his wife in the corner store they purchased in 1996. They have a son and a daughter.

Blaine Broders (Pre-Sea Deckhand '94) works on the provincial ferries. He and his wife of four years have a five-month old son.

Peter Williams (Electronic Engineering Technology '94) continued his training with the Navy after graduation. In 1995, he was posted to *HMCS Charlottetown*, serving as a fire control radar and search radar technician, completed ships team diver training and participated in a five-month NATO deployment in Europe. In 1999 Peter was a firefighter with the Halifax Regional Fire and Emergency Service in Fall River, Nova Scotia.

## ~ 1995 ~

John Wilson Bulgin (Marine Engineering Technology '95) is working as a second engineer with Global Marine on the Glomar Grand Banks in the North Sea. He's working towards his chief engineer ticket.

Jason A. Krzywonos (Electromechanical Engineering '95) has been serving with the Canadian Navy for the last eight years. As a naval weapons technician, he has traveled to the Persian Gulf, Asia and Australia.

Paul Labine (Nautical Science Technology '95) has a Canadian Merchant Marine Web site (<http://users.imag.net/~srt.casey>) that provides information to those interested in a career in the merchant marines or looking for nautical related information.

~ 1997 ~

William (Bill) Mackey (Marine Diesel Mechanics '97) has been working with Secunda Marine since he graduated. Stationed on the *Burin Sea*, Bill is working towards his third class ticket. He lives in Catalina with his wife and four children.

Peter Courtney (Nautical Science Technology '97) is working with a company involved in the development of Newfoundland's offshore petroleum sector.

Gus Yetman (Advanced Diploma in Aquaculture '97) graduated with a bachelor of education from Memorial University in 2000. He teaches science at St. Kevin's High School.

Chris Hendry (Advanced Diploma in Aquaculture '97) completed a master of science (biology) at the University of New Brunswick in May 2001. He married Jacqueline Howse on September 21, 2001.

Shawn Baker (Firefighting '97) is working with the Marine Institute.

~ 1998 ~

Gordon T. Savoury (Marine Engineering Technology '98) recently joined Marine Atlantic on the Gulf ferry service and is working towards his second class motor ticket.

Sonya Genge (nee Spencer) (Seafood Processing '98) has worked with the Doyle Group of Companies in New Feroile as a quality control/production manager in a shrimp processing facility.

Paul Smith (Marine Engineering Technology '98) completed his third class motor ticket in May 2000.

Marion Tina Hallett (Firefighting '98) has completed first aid instructor and paramedics level I, II and III training.

Claudette Oake (advanced diploma in Aquaculture '98) is working with the

Department of Fisheries and Aquaculture (Grand Falls-Windsor) as an aquaculture licensing administrator.

Craig Kennedy (Firefighting '98) is employed with the St. John's Regional Fire Department.

~ 1999 ~

Brad Butler (Firefighting '99) is employed as a crash/fire/rescue firefighter with Serco in Goose Bay. Brad has continued his training and has received his NFPA 1002 and 1003 at the Military Fire Academy at CFB Borden in Ontario.

Jean Spence (Food Production Quality '99) is working with the Canadian Air Forces Reserve unit in Edmonton, Alberta. Previously, Jean worked with Nestle Canada as a HAACP coordinator, a quality control manager in a cheese factory and a quality control/production manager with Horizon Eggs.

Colin Murphy (Food Production Quality '99) works with FPI Burin Secondary as a production supervisor. Colin lives with his wife and 18-month old son in his hometown of Parkers Cove.

Matthew Graham (Naval Architecture '99) is living and working in the Toronto area, designing yachts with Mark Ellis Design Ltd.

Lanny Smith (Offshore Structural Steel/Plate Fitter '99) works with Samuel Steel, a steel, stainless steel and aluminum processing plate manufacturer in Cambridge, Ontario.

Jason Brushett (Nautical Science Technology '99) is working towards his ON 1 and celebrating his recent marriage and new son.

Melanie Khan (Advanced diploma in Food Safety '99) is a food processing specialist inspector with the Canadian Food Inspection Agency in Dartmouth, Nova Scotia.

Danielle Dalton (Marine Environmental Technology '99) works on a variety of projects with the environmental services team with Public Works and Government Services Canada. She's working on her bachelor of technology at the Marine Institute.

## CONTEST WINNER!

Shawn MacCormack (Firefighting '00) of Southside, PEI, is the winner of the mahogany clock and compass box. Many thanks to all of you who completed your alumni survey!



Michael Hiscock (Advanced diploma in Food Safety '99) is a recall officer with the Canadian Food Inspection Agency. He recently relocated to Ottawa with his wife, Darlene, and 21-month old daughter, Emily.

~ 2000 ~

Henry Greene (Pre-sea Deckhand '00) is working on a factory freezer trawler. He has received his watchkeeping certificate and hopes to continue his education at the Marine Institute.

Darin Hyde (Firefighting '00) is with the St. John's Regional Fire Department fulfilling his life-long dream to become a firefighter.

Leanne C. Hancock (Marine Environmental Technology '00) is employed at the microbiology lab at the Marine Institute.

Craig Power (Firefighting '00) completed his paramedic I training at the Health Science Centre and is now a part-time firefighter/paramedic with the St. John's Regional Fire Department.

Tammy Lee (Marine Environmental Technology '00) is working on her thesis for her bachelor of technology.

Rennie Hynes (Bachelor of Technology '00) has been working with BAE-Newplan Group since graduating with his degree.

Roger Dominie (Nautical Science Technology '00) is a relief third officer with Algoma Central Corporation.

Derek Dawe (Pre-Sea Deckhand '00) works with Puddister Trading and on the Marine Institute's training vessel, the *M.V. Lauzier*.

Shawn C. MacCormack (Firefighting '00) will be continuing his training at smokejumper school in Boise, Idaho, in spring 2002.

Brian Kealey (Pre-Sea Deckhand '00) traveled to Israel, Lebanon, Egypt and Africa during his time with Sea Trans, a shipping company based in Norway.

Travis Hodder (Firefighting '00) is working as a firefighter in Iqaluit.

~ 2001 ~

Jonathan C. Lee (Naval Architecture Technology '01) will complete his diploma in marine systems design in June 2002. He married Jacqueline Tilley on June 16, 2001.

Bonnie Burt (Quality Assurance '01) is an assistant quality control manager with Labrador Choice Seafoods' state-of-the-art shrimp plant in Charlottetown, Labrador.

Anne Godwind (Advanced diploma in Coastal Zone Management '01) works with Fogo Island Shrimp Inc. In addition to travelling to Iceland for training in shrimp production quality management, Anne is also involved in Women in Fishery and the Urban Rural Mission, and is the commanding officer of the 2856 Fogo Island Army Cadet Corp.

Clinton Day (Pre-sea Deckhand '01) is presently working as a deckhand on the *Nada*.

Kimberley Lewis (Marine Environmental Technology '01) is completing her bachelor of technology in environmental studies at the University of Cape Breton.

Patricia Cousins (Marine Environmental Technology '01) recently completed a term with the Marine and Mountain Zone Corporation in Port aux Basques and is expecting a child. She is also working towards a bachelor of technology in environmental studies at UCCB.

Blair Ryan (Nautical Science Technology '01) received his watchkeeping certificate in July 2001.

Terry Eveleigh (Food Production Quality '01) received the award of excellence upon graduation from the Marine Institute.

Darryl Rideout (Firefighting '01) is a firefighter with the Goulds Fire Department.

Patrick Byrne (Marine Engineering Systems Design Technology '01) will graduate with his diploma of technology in naval architecture from the Marine Institute in 2002.

Cheryl Irving (Advanced diploma in Food Safety '01) is a quality assurance technician with XL Meats in Calgary, Alberta.

Corey Curtis (Marine Engineering Technology '01) is a relief second engineer on a self-unloader with Lower Lakes Towing.

Jeff Babuin (advanced diploma in Aquaculture '01) is enrolled in a master of science in aquaculture at Memorial University and is undertaking research in juvenile oyster nutrition at the Pacific Biological Station in Nanaimo, British Columbia. ~

## WHAT'S HAPPENING WITH MARINE INSTITUTE ALUMNI?

Send us your news.

Information provided on this form will be used in the alumni section of *The Bridge* and will help maintain accurate home and business address records. Please print.

Name: \_\_\_\_\_ Employer: \_\_\_\_\_

Year of Graduation: \_\_\_\_\_ Work Address: \_\_\_\_\_

Degree/Diploma/Certificate(s) Granted: \_\_\_\_\_ (Street)

\_\_\_\_\_ (City)

\_\_\_\_\_ (Province) \_\_\_\_\_ (Postal Code)

Home Address: \_\_\_\_\_ (Phone) \_\_\_\_\_ (Fax)

\_\_\_\_\_ (Street) \_\_\_\_\_ (E-mail)

\_\_\_\_\_ (City)

News about yourself you would like to share with us (career, family, awards, etc.)

\_\_\_\_\_ (Province) \_\_\_\_\_ (Postal Code)

\_\_\_\_\_ (Phone) \_\_\_\_\_ (Fax)

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Send to:  
The Bridge, c/o The Marine Institute, Office of Marketing and Business Development  
P.O. Box 4920 St. John's, Newfoundland Canada A1C 5R3





## MARINE INSTITUTE LAUNCHES NEW TECHNICAL CERTIFICATE IN MARINE ENGINEERING

With the growing shortage of ships' officers worldwide, marine engineers are in demand more than ever. For students with a background in mechanical engineering, it is now even easier to start a career in the marine transportation industry.

This fall, the institute introduced a new technical certificate program in marine engineering for graduates of nationally accredited mechanical engineering technology or equivalent programs. The one-year certificate provides mechanical engineering technologists with the practical skills and knowledge to obtain certification as a fourth-class marine engineer. The program is recognized by Transport Canada and as stated in their approval, "this course should provide a route for well qualified mechanical engineers technologists to build a marine engineering career from a sound base of understanding of marine engineering needs."

Cathy Dutton, head of the School of Maritime Studies, thinks the new certificate is a natural step for someone with a mechanical engineering background. "The focus of the *mechanical* engineering program is the operation and maintenance of power systems and building heating and ventilation systems. The *marine* engineering program concentrates on the operation and maintenance of various shipboard systems," says Dutton. "Both programs as engineering technologies have certain aspects in common, particularly in the academic subjects. The main difference is in the scope of the practical skills and engineering knowledge covered by each."

During the certificate program, students complete 20 weeks of classroom instruction, four weeks of Marine Emergency Duties, three weeks of Propulsion Plant simulation and a six-month work term at sea. Graduates will be able to work not only with shipping companies

but with marine related service companies, consulting engineering companies, industrial production companies and government agencies.

"We developed this certificate to broaden career opportunities in marine transportation and offshore-related industries," says Dutton. "The experiential learning we offer through this one-year certificate provides students with the hands-on, practical knowledge they need for a successful marine engineering career." ~



Photo: Marine Engineering students at work.



**MARINE INSTITUTE**



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