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# the Bridge

NEWS FROM THE MARINE INSTITUTE

SPECIAL MI GRADUATION

40th  
ANNIVERSARY EDITION



**T**his very special edition of *The Bridge* is dedicated, with pride, to the Class of 2004 of the Fisheries and Marine Institute of Memorial University.

As part of an anniversary graduation, the highly skilled women and men who we celebrate today are also part of a very prestigious chapter in MI's history. They represent the culmination of a 40-year effort to revolutionize fisheries and marine training in this province. And while this is the year in which we pause and reflect on our accomplishments so far, there is still much more to come.

Among the graduates of 2004 you will find the authors of the next exciting chapter in the story of the Marine Institute. Their ideas, innovations and contributions will launch us confidently into our next 40 years.

Congratulations to the graduates of MI's 40th anniversary year!

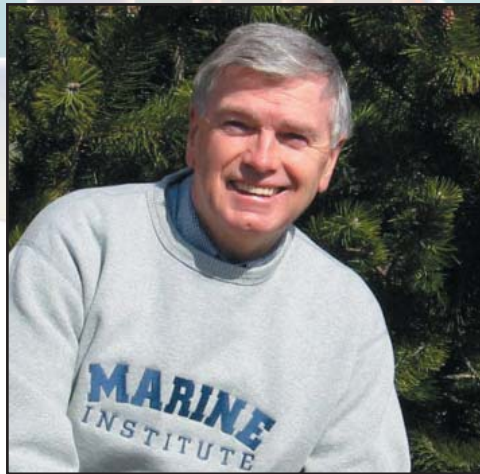
1964 **MI** 2004

# Eye on the Future

They say good things happen in threes!

Right now at the Marine Institute, for example, we are celebrating a graduation... an anniversary... and the launch of an unprecedented strategic planning exercise for the future, entitled Marine Institute Vision 2020! And so I would first like to extend sincere congratulations to our newest class of graduates... a hearty 'Happy Anniversary' to the entire MI community, past and present... and an invitation to everyone to play their part in the Vision 2020 initiative.

When completed, Vision 2020 will be a comprehensive statement of what we believe the Marine Institute can become; a schematic for the Marine Institute we want to build. To accomplish this goal, and to provide us with the raw materials we need to realize this strategic blueprint, MI is conducting a study on our place in the future. And we need your input.



For as important as it is that we celebrate the success of our history, it is equally important that MI enter its next decade with a clear vision of how we can stay competitive in the global marketplace. Your ideas and insights will be invaluable to us in defining our future direction.

Please visit the Vision 2020 Web site today at

[www.mi.mun.ca/vision2020](http://www.mi.mun.ca/vision2020). Take a moment to complete the online questionnaire. Check back frequently for updates on the initiative as we progress through its many stages. You can also e-mail us directly at [mivision2020@mi.mun.ca](mailto:mivision2020@mi.mun.ca).

Throughout the course of its 40-year history, MI's growth and success have been the products of its people... of the commitment of its students, staff, faculty, alumni and leaders, its industry partners, government and stakeholders across Canada. That much has never changed.

This 40-year anniversary and this graduation are yours to celebrate; and the future is yours to design. MI Vision 2020 is your vision. Don't miss this chance to get involved.

Leslie O'Reilly

## Contact Us

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

Get in touch with us!

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## MESSAGE FROM THE EDITOR

### Smile!

Without exception, the MI graduation ceremony has to be the most photographed event we host all year. It's great to see family and friends gather at the front of the stage just to get that perfect snap of their graduate; it's the only post-secondary graduation ceremony I know where that happens.

It seems we love taking photos... and we have 40 years' worth to prove it! Recently, my colleagues and I had the opportunity to go through albums (and boxes and envelopes) to select images for our 40th anniversary commemorative

book, available this fall. We had the best time discovering photos of our significant milestones and trying to identify students and faculty from decades past. Within these pictures, we saw our history.

The class of 2004 has also made their unique mark on this institution and its people. Congratulations! We will be proud to tell your story (and show your photos!) with future generations of MI students.

Kimberley Thornhill

**“And so today we launch this fine new ship! May she come at last safely and successfully to port, log-loaded, a credit to the province we all love so dearly.”**

– Premier J.R. Smallwood, at the 1964 opening of the College of Fisheries, Navigation, Marine Engineering and Electronics



Since 1964, through name changes, new campuses, world-class facilities, hundreds of programs and thousands of alumni making myriad contributions worldwide, the Marine Institute has charted a course like no other. Today it is the most comprehensive education, training and applied research resource in Canada in support of the fishing and marine transportation sectors. And this is the year we celebrate the four decades of vision and innovation that made it all possible.

The official 40th anniversary celebrations will take place this fall, with a calendar of special events lined up, as well as the publication of a commemorative history

and pictorial book entitled ‘Embracing our Past, Engaging our Future.’

## 40 YEARS OF MI Transformations

MI was originally known as the College of Fisheries, Navigation, Marine Engineering and Electronics. It was established in 1964 and housed in the former Memorial University College building on Parade Street. Twenty years later, in 1984, the College moved to its

new location in Pippy Park and was renamed the Institute of Fisheries and Marine Technology. In 1992, the provincial legislature passed Bill 38, officially affiliating MI with Memorial University and creating the Fisheries and Marine Institute of Memorial University. While much has changed over the 40-year history of the Marine Institute – the faces and places, the programs and facilities, the technology we use and the industries we support – the original founding vision has remained very much the same. *Ad Excellentiam Nitere*, reads the MI motto, as it has since 1985. *Strive for Excellence.*



## Milestones

**1964**

The College of Fisheries, Navigation, Marine Engineering, and Electronics is founded.

**1966**

The first Student Council is formed; first issue of the student newspaper is published; first female students are admitted.

**1967**

The College awards its first three-year diplomas (in Nautical Science).

**1983**

An agreement is struck to build the Newfoundland and Labrador Institute of Fisheries and Marine Technology.

**1985**

Classes begin at the new \$42 million campus on Ridge Road. The official opening takes place on October 28.

**1992**

MI officially becomes a part of Memorial University.

**1995**

MI offers its first baccalaureate program, the Bachelor of Maritime Studies.

**2001**

MI achieves ISO 9001 registration.

**2004**

MI marks its 40th anniversary and launches a strategic plan for the future entitled MI Vision 2020.

# Congratulations to the G



Three years of hard work has paid off for naval architecture graduate, Joel Harding. Originally from Sarnia, Ontario, Joel became interested in naval architecture in high school and decided to come east to the Marine Institute to launch his career in ship design. For his senior year project, Joel presented his design for a hospital ship.



Already equipped with a B. Comm. from Memorial, Renee Gates now begins her new career with her diploma in nautical science. As president of the MI Student Union and the recipient of the peer nominated Dale Howse Memorial Scholarship for outstanding personal and academic contribution, Renee has proven herself to be an outstanding student leader.



This ship model from Penney Ugland was one of the many exhibits that were part of the 2004 annual MI Career Fair held in February. This marked the second time MI has staged the two-day event for students, alumni and employers, a rare chance to meet face-to-face to talk about employment trends and issues facing their respective industries. Twenty local and national employers hosted booths at the fair. Six students were offered full-time jobs following graduation.

# Graduating Class of 2004

Karen Duff is always aiming higher. She graduates with her nautical science diploma but has also completed studies for her bachelor in maritime studies. Karen will be joining Canada Steamship Lines on the Great Lakes following graduation. And she is not stopping there - Karen plans to continue her education to become a master mariner.



Twice a year, the Marine Institute holds a scholarship presentation. Eighty-seven scholarships were presented this year to our diploma and advanced diploma students, including Garrett Duncan (third from left), who graduated with his marine engineering diploma. Garrett, who came to MI from Windsor, Ontario, was this year's recipient of the Dale Howse, Stirling Perham, Richard Price Memorial Scholarship. Congratulations, Garrett and best wishes for continued success to you and your classmates.

The graduating class of 2004 and their fellow students put in long hours every day while studying at MI. But they also know when to relax and have some fun. From hosting barbeques during student orientation to organizing winter carnival, the MI Student Union and various class societies ensure everyone has a chance to enjoy some downtime at one of the socials, sporting events or concerts that take place on campus.



# Remote patrol

## *Students Learn the Science Behind Remotely Operated Vehicles (ROVs)*

**P**ropulsion, resistance, neutral buoyancy, tethers, control circuits, tools and tasks – things to capture a young person's imagination. Don't believe it? Think again!

Recently, the Marine Institute was the site of an exciting ROV design course geared towards junior high school students. During the four-day offering, students learned about ROV applications and design techniques, and then formed teams to design and build their own ROV. The creations were put to the test in a final competition held at a local pool, in which the ROVs had to complete several assigned tasks.

## *Competing in California*

The Marine Institute's involvement with ROVs began at the high school level in 2003. That year, a team of students used

MI's acoustics and flume tanks to test their entry in an ROV competition hosted by the Marine Advanced Technology Education (MATE) Centre of Monterey, California. After placing second at the 2003 competition at MIT in Boston, the team is now designing and building an entry for the 2004 competition to be held in Santa Barbara, California. MI is supporting the team with access to expertise, test tanks and shops, as well as a \$5,000 contribution.

Dwight Howse, project manager for offshore training programs at MI, is actively involved with the Marine Institute's contribution to ROVs in the schools. He has been an engineering mentor for the high school team for the past four years.

## *A model of learning*

"ROV design and construction provides an opportunity to allow students to develop their interest in technology in a very practical manner," explains Howse. "These same skills are fundamental to the development of the technicians and technologists that the Marine Institute graduates."

School district team mentor Clar Button characterizes MI's involvement as "a beacon to a more effective education system, one where post-secondary career awareness, market pull and sophisticated technical facilities contribute to a vertically-integrated model of learning and student achievement."

As ROVs are developing in terms of capability, they are finding increasing roles in the marine sector for inspection and security, and as a general purpose workhorse in areas where it is too dangerous, expensive, or confined to send divers.



*Testing for Neutral Buoyancy*

## **Celebrate your achievements!**

### **Display your success with a MI Ring and Diploma Frame**



## **The MI Ring**

New this year for MI's 40th Anniversary, the Marine Institute ring is the perfect way to commemorate your graduation. Available in his

and hers rings, you can choose from 10K and 14K yellow and white gold or sterling silver. Free engraving is also available.

Visit the Marine Institute Bookstore to choose your ring today.

## **The MI Diploma Frame**



Bring us your diploma and we'll frame it! It's fast and easy when you use the framing services of the Marine Institute Bookstore. You can choose to frame your diploma in a high quality, Canadian made, polished gold frame with single mat - \$40 taxes included – or the the elegant wooden frame with double mat - \$60 taxes included. Both are emblazoned with the official logo of Memorial University. Visit the Marine Institute bookstore immediately following graduation or visit our bookstore any time to shop for a frame!

inspired to pursue a career servicing or piloting these robots of the deep.

For more on the MATE Centre and its underwater robotics competition, see [www.marinetech.org](http://www.marinetech.org).

# Northern Exposure

## MI signs MOU with Nunavut Arctic College

**M**I is again expanding its training and research territory, this time with a promising new partnership designed to strengthen fisheries and marine initiatives in Canada's newest territory.

On May 3, the Marine Institute and Nunavut Arctic College signed a Memorandum of Understanding to establish both institutions as partners for education, training, research and development related to fisheries and marine activities in Nunavut. This MOU will allow for a more formalized structure and mechanism to plan, deliver and evaluate all activities

undertaken. The Government of Nunavut, government agencies and community development groups, have all allocated resources to support these initiatives.

### Creating Careers

Hon. Edward Picco, Minister of Education, Government of Nunavut, sees the MOU as an important step in developing human resource requirements. "This will allow Nunavut time to take full advantage of career opportunities within the newly developing fisheries and marine industries. I am pleased that both institutions are working together, with all stakeholders, to develop Nunavut's fisheries and marine industries."

The Marine Institute and Nunavut Arctic

College have a solid history of working collaboratively. Within the last five years, they have delivered training programs to over 200 fish harvesters looking to get involved in Nunavut's newly developing offshore shrimp and turbot fishery. These programs have been delivered in Iqaluit and Pangertung, and include courses such as

Career Orientation, Pre-sea Trawl, Marine Emergency Duties, and Marine Advanced First Aid. In addition, several fisheries-related research and development projects and technology transfer activities have been undertaken, including six projects last year. These include fisheries resource assessment activities in Clyde River, Pond Inlet and Cumberland Sound.

### Expanding Programs

"There are many areas where Nunavut Arctic College and the Marine Institute can work together," says Mac Clendenning, President of Nunavut Arctic College. "In cooperation with industry stakeholders, we are looking at expanding our fisheries training activities. We are looking at delivering programs related to marine transportation and marine environmental. We are also exploring a student mobility initiative. Nunavut Arctic College and the Marine Institute are working together to create career opportunities for the youth of Nunavut."

MI executive director Leslie O'Reilly agrees: "The Marine Institute and Nunavut Arctic College are natural partners to deliver fisheries and marine training in Nunavut. The College has the network of facilities and local delivery support, while the Marine Institute has the technical and content expertise. Working together we can do a lot more to support the fisheries and marine industries in Nunavut."



Leslie O'Reilly, and Mac Clendenning sign of the MOU.

## Irving Oil announces \$500,000 gift to Marine Institute

**I**rving Oil has announced a significant contribution to marine and offshore training in Newfoundland and Labrador. The company will donate \$500,000 to the Marine Institute to further MI's ongoing commitment to industry safety, emergency response and marine environmental training.

"Memorial University's Fisheries and Marine Institute continues to expand the field of marine knowledge and show great leadership through its high calibre training and research programs," said Arthur Irving, Jr. of Irving Oil. "This gift recognizes and furthers that leadership position, and fits perfectly with our company's

commitment to safe and environmentally-responsible shipping practices and our support of Newfoundland and Labrador's economy."

Dr. Axel Meisen, president and vice-chancellor of Memorial University, thanked Irving Oil for its "continued commitment to ensure we maintain our leading edge expertise in training for the offshore sector." He noted that Irving Oil also donated \$250,000 to Memorial for scholarships in 1999 during the university's *Opportunity Fund* campaign.

The latest contribution has been earmarked for a proposed new marine base in Holyrood.

"Our goal is to construct a facility that will broaden our capability to offer new training in the areas of environmental response and small craft operations," said Leslie O'Reilly, executive director of the Marine Institute. "Irving's support of this initiative is the first major step in our efforts to make this base a reality."

O'Reilly added that sheltered waters and open access to the ocean makes Holyrood an ideal location for practical training exercises. He noted that additional funding would be sought to take this facility concept from the drawing board to the shoreline.

The Marine Institute shared a special graduation ceremony with the Canadian Navy this April when it presented 23 naval cadets with technician diplomas in Naval Combat Systems Technical Training.

Standing at attention and ready for inspection, graduates from across Canada shared their accomplishment with family, friends, MI instructors and almost 200 of their fellow naval classmates.

On hand for the ceremony was guest of honour Captain Gordon Switzer, assistant chief of staff personnel and training with the Canadian Navy, Leslie O'Reilly, MI executive director, and Catherine Dutton, head of the school of Maritime Studies who together presented the diplomas. Bronze medals for academic achievement were given to graduates Maurice Smart and Joyce Osagie.

To add to their accomplishments, each member of the graduating class was promoted to the rank of leading seaman, which comes with the added bonus of a salary raise. The graduation class will now continue their training in Halifax and Esquimault before they set sail as electronic and electro-mechanical engineering technicians with the Canadian Navy.

The Department of National Defence has looked to the Marine Institute to deliver high calibre training for almost a decade. MI offers two two-year training programs for naval cadets: a marine engineering technical training plan and the naval combat systems technical training plan.

Congratulations to all of the graduates from everyone at the Marine Institute!



# NAVY GRADUATES SET SAIL



**MARINE INSTITUTE**

