

The Canadian Hydrographic Association
Association canadienne d'hydrographie



NEWSLETTER

*** June/August 2000 ***

Vol. 14, No. 4

Canadian Hydrographic Association

Central Branch

2000 Executive

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Central Branch Committees

NewsLetter/Web site

J. Weller, T. Janzen, L. Robbins, J. Weedon, J. Dixon.

Membership:

Branch: A. Koudys.
International: A. Leyzack, L. Robbins, P. Knight.
Elections: J. Dixon, T. Janzen.

Lighthouse (Central Branch)

T. Herron, E. Brown, T. Janzen, F. Oliff, R. Robitaille.

Seminar

D. Brousseau, S. Hinds.

Social Events

H₂O: E. Brown, B. Power.

BBQ: T. Janzen.

AGM: S. Hinds, J. Weedon, J. Biggar, T. Herron.

Gerry Wade

M. Marsden, T. Janzen, S. Hinds, D. Brousseau.

Admiralty Launch Surveyor

A. Leyzack; E. Brown, W. Warrender, J. Dixon,
B. Power, H. Duller.

Message from the National President

Your Editor, Sam Weller, has kindly invited me to write to you and bring greetings to CHA Central Branch members here in Canada and to all our members around the globe. I have been advised that Ken McMillan, our National President is presently on assignment in the Northwest Territories, and trust that anything I write about has his endorsement.

To those of you who remember me and those who do not, I was a founding member of CHA in the sixties and your second National President. In 1985, you did me great honour by making me a Life Member of both the Central Branch and the National body.

I have remained active in CHA affairs by continuing as Project Manager of the CHA/CIDA (Canadian International Development Agency) Malaysia Hydrographic Project where, with strong Malaysian participation, we completed the first FIG/IHO accredited *Category A* course in 1999. Your National President was active in the project, teaching Port & Harbour Studies at the University Teknologi Malaysia (UTM). He also kindly delivered my paper on "The Canada-Malaysia Hydrographic Connection" at the recent Montreal CHC 2000 Conference, which I was unable to attend due to arthritic disabilities.

The CHA/CIDA Malaysia Project is going well. CIDA extended its support to include activities in 2000 and 2001. Barry Lusk is presently in Malaysia, together with Dave Dodd of COGS (Centre Of Geographic Sciences, Nova Scotia), who is teaching *Cat. B* subjects to students and CARIS Multibeam software to UTM instructors. If all goes well, a second Malaysian-based *Cat. A* course in 2001 should bring that

project to a successful conclusion, with the Malaysians enabled to meet all their own national aspirations.

In addition to his Malaysian efforts as Assistant Project Manager, Barry Lusk's management of the CHA Academic Awards Programme (in its 8th year, see page 4) continues to involve CHA in a worthwhile endeavour and to expose suitable young keen applicants to the hydrographic profession. The Pacific Branch initiative in instituting their own annual student awards programme is a praiseworthy endeavour. It might, however, in the view of this writer, have been better if it had been dovetailed in some fashion into a National Awards Programme.

It is grand that Lighthouse Edition 57 has finally been published. Much credit must go to Terese Herron, our Editor of Lighthouse, for persevering in the face of all sorts of difficulties. We look forward to Edition 58 in September. Talking of Terese brings me to the subject of volunteering with CHA. Without the dedicated efforts of Terese, Sam Weller, Andrew Leyzack, Brian Power—just to name a few—our journal and newsletter would not exist. Let us all get out there and give them a hand!

Last but certainly not least, best wishes to our members everywhere, particularly those taking part in active seagoing surveys, whether in warm climes, in the rugged waters of the antipodes, or off the shores of Canada.

Tom McCulloch
Past National President, CHA.

Notes from the Branch Vice-President

The *Canadian Hydrographic Conference 2000*, Montreal, is a done deal and the folks here at CHS Central and Arctic Region are setting our sights on CHC2002 to be held in Toronto, in May 2002.

I had the privilege of attending CHC2000 and on behalf of Central Branch, would like to extend our congratulations to our colleagues at CHA Section du Québec, who organized and ran the conference. Thank you for a great conference and a job well done.

It was good to see old friends again and to meet new ones. *People Forging Alliances* was the theme of CHC2000 and it certainly was the case when one considers the level of cooperation existing today within the hydrographic community. These days, the execution of our work relies greatly on partnerships with other public and private sector agencies, and conferences provide a great forum for maintaining and initiating working relationships.

As for the 2002 Hydrographic Conference, Central Branch will be taking on a more limited rôle as co-chair in registration and exhibits. We are also proposing to organize a Multibeam training course in conjunction with the conference. I encourage you to get involved. If you should have any ideas for our next conference please don't hesitate to contact me.

As for now, a number of us, myself included, have left for or are preparing to go out on survey. To those hydrographers in the field, I wish you a safe and prosperous season.

Andrew Leyzack.

P.S. I'll be out on a field survey from August through September. Should you need to get in touch with us then, please contact Sam Weller.

From the NewsLetter Committee:

This summer edition of our newsletter brings several interesting items: a letter and *Surveyor* update from V-P Andrew Leyzack; reports by Terese Herron on *Lighthouse*, Rick Sandilands on Members on CHS surveys, Barry Lusk on Students Awards, and Jim Berry in the Out-House; a thoughtful Column from Larry Robbins; and a special letter from Tom McCulloch. Thank you all.

Ken McMillan, CHA National President, has been very busy with his own survey business and has not been able to give us a Message for our Members. We hope he will have one ready for our Fall NewsLetter.

Mark this on your calendar! Thursday 7 December is the *Central Branch 2000 AGM and Dinner*. This is your opportunity to make your voice heard, to catch up with your fellow members, and to have an interesting and tasty evening out. As in past years, this will be at the Mimico Cruising Club.

News from the other Branches

Pacific Branch is the only Branch that was able to get their news to us in time for this issue [check their web site: <http://www.ios.bc.ca/cha>] We hope to have news from other Branches for our Fall NewsLetter.

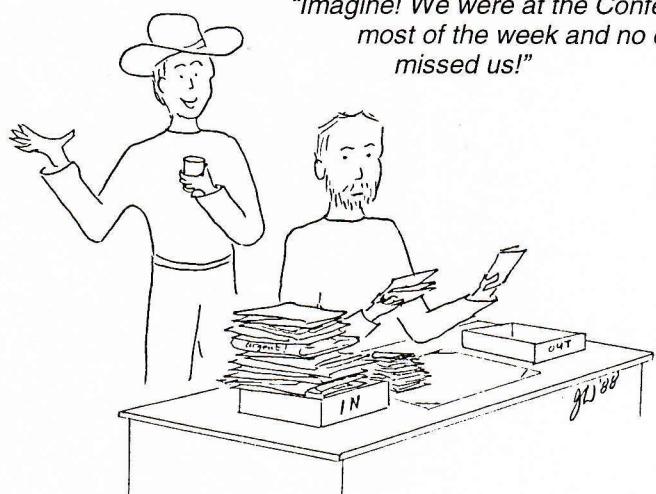
James Wilcox, V-P of Pacific Branch, sent us a collection of interesting and newsy items. Their 2000 Executive includes Sherman Oraas, Rob Hare, Alex Raymond, Brian Schofield, Al Thorn and Doug Cartwright. They have a total of 68 members, including two "Life" and two "Sustaining".

Pacific Branch has had several interesting events over the past 12 months:

- A farewell to Bruce Johnson, leaving CHS Pacific (still a CHA member though). Bruce was "lightly roasted" before receiving a CHS plaque with crest and a CHA beer glass [suitable mementos, indeed].
- A multi-media presentation by Jim Galloway on the survey of proposed Pilot Marine Protected Areas at Race Rocks and Gabriola Passage.
- A noon hour slide show by Doug Cartwright on his Exchange aboard the NOAA ship *Rainier*
- Their 13th annual H2O bonspiel (winning team was Willie Rapatz, Marg Rapatz, Mike Bolton, and Barb Danbrook).
- A slide show by Doug Cartwright on his voyage on the Bark *Endeavour*, followed by a social gathering at Swan's brewpub.

A particularly interesting item is that Pacific Branch has commissioned a plaque in memory of the CSS *Wm. J. Stewart*. This will be mounted this summer on the seawall with the "Parade of Ships" next to Captain Cook's statue in front of the Empress Hotel in Victoria. The ship herself was based there from 1932 to 1975 and

"Imagine! We were at the Conference most of the week and no one missed us!"



contributed significantly to the exploration of the BC coast. The inscription reads: *This plaque is dedicated to those who have served on the "Willie J" and to all who continue to chart the British Columbia coast.* The Branch executive anticipates a dedication ceremony this summer. There is also a very interesting article by CHA's own "Sandy" Sandilands about the Wm. J. Stewart in the BC Museum's newsletter.

James also sent us a photograph and some more information about the "Bent Prop Monument" we mentioned in last summer's NewsLetter. The hydrographic staff of the CHS Barge *Pender* erected the monument in 1998:



"The Bent Propeller Monument", at Oliver Cove, British Columbia. The Prop is from one of the CHS Bertram Survey Launches, after an argument with a rock. This monument is a visible reminder to all who navigate the BC coast of the many unknown dangers that lurk below the surface. It also pays tribute to the men and women of the Canadian Hydrographic Association who attempt to find and chart these hazards.

Report from the Editor of Lighthouse

By Terese Herron

As you are aware, our CHA journal Lighthouse has suffered from several production problems over the past two years, namely a result of the journal being produced by volunteers. In a time when everyone seems to be busy both at work and at home there seems to be little time left to take on as many extra activities now as in the past. In order for Lighthouse to be produced on time, submissions need to be timely and all tasks need to be completed in a timely manner.

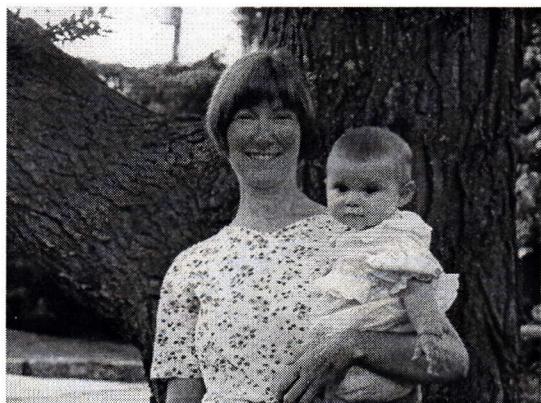
By now you should have received Lighthouse Edition 57. This long-awaited edition has a new look between the covers. I do hope you like the format. If you have any comments or suggestions please let me know. If you've not received your copy please contact your Branch V-P.

There have been some changes made and more to come in the way Lighthouse is produced. We are now contracting out the design and layout to Pilot Press Inc. of Victoria, B.C. There is an Editorial Board with a representative from each Branch being established to ensure there are several people working on the journal and therefore spreading out the workload. Once the Editorial Board is in place (Edition 59) there are sure to be other changes implemented.

If you have any items you would like published in Lighthouse please forward them to me for review (herront@dfo-mpo.gc.ca).

I would like to thank everyone for their patience during the production of Edition 57 and the restructuring of the production process for Lighthouse. Edition 58 is under construction and will be published in September.

As you may already know, Terese and Shawn have eagerly embarked on a fuller family life and are delighted with Jessica, who arrived on December 20th, 1999 weighing 6lbs12oz. Terese is on Maternity leave but will be back in the office later this year. They have offered this photograph for her friends and colleagues. All the best, Terese, from your CHA friends.



Message from the Cox'n of Admiralty Launch Surveyor

By Andrew Leyzack

Marineros,

I am happy to announce that the Marine Heritage Association (MHA), based out of Penetanguishene, Ontario, has accepted our terms for a transfer of ownership. On June 9 the *Admiralty Launch SURVEYOR* took up a new berth at Discovery Harbour (formerly the Historic Naval and Military Establishments) at Penetanguishene. The Canadian Hydrographic Association (CHA) has entered into an agreement with the MHA, a non-profit organization which presently operates the schooners *HMS TECHUMSEH* and *HMS BEE* at Penetang. *SURVEYOR* will become a new addition to the Discovery Harbour fleet while CHA will continue to operate *SURVEYOR* for special events.

Over the last decade, CHS and CHA have established strong links to Discovery Harbour. CHS and the CHA have had a number of excellent cooperative activities at Penetanguishene to promote hydrography and to maintain the historical links that this site provides. One of the more significant contributions by CHS was to fund the construction of a gazebo containing an interpretive display called "Bayfield's Point of View". The structure recognizes the tremendous contribution to early Canadian hydrography by Lieutenant Henry Bayfield RN. The CHS, Central and Arctic Region, also dedicated a historical plaque at this site in 1996 to further recognize Bayfield's many years of work in this area. CHA, with "Surveyor", have conducted several re-enactments at this site primarily to coincide with and help celebrate these significant CHS events. I believe this new partnership between the CHA, the Marine Heritage Association and Huronia Historical Parks (the provincial agency which owns Discovery Harbour) will contribute to strengthening a Hydrographic theme at Discovery Harbour.

I would like to thank those who have contributed over the years to the development of the Heritage Launch Project and the subsequent program with the *Admiralty Launch SURVEYOR*.

Revised 2000 Schedule

- Landings at Muddy York, Toronto. [on water] 30 June-2 July
- Tall Ships 2000, Halifax NS [on water] 20-24 July
- Tall Ships Sarnia, [on water] 18-20 Aug.
- Faire at the Forks, Chatham [on water] 30 September

Please indicate which event(s) you may be interested in crewing. Please don't hesitate to contact me for more information.

Fair Winds,

Andrew

CHA Branch Members on CHS Field Surveys

By Rick Sandilands

Georgian Bay survey

John Medendorp is the Hydrographer-In-Charge, along with Raj Beri, Dan Brousseau, Janis Davies and Laura Colombe.

The survey area continues northward from last year's survey, just north of Parry Sound. The survey runs from May 31 to July 5, using three Hourston launches and one LFGB launch. Launches are using Hypack Max software on NT data acquisition systems and the data is processed with HIPS NT software.

Revisory survey

Ken Dexel and Tim Janzen are the hydrographers on the Revisory Survey.

The survey will be working in Lake of the Woods and the North Channel of Lake Huron to address items for charts in production. The Revisory survey started in April to conduct some surveys in Georgian Bay for the Canadian Coast Guard to survey some small-craft routes affected by low water levels.

The survey will also be conducting some multibeam surveys in Hamilton Harbour; at Nanticoke on Lake Erie; in Thunder Bay Harbour on Lake Superior; and St. Marys River at Sault Ste Marie. Additional staff, Paola Travaglini and Al Shepherd, will join the survey at various times to assist with these projects.

West Arctic survey

Andrew Leyzack is the HIC.

The crew will conduct surveys in the western Arctic on an opportunity basis from the CCGS Sir Wilfrid Laurier with one launch. The priority areas for surveys are Kugluktuk (Coppermine), Sachs Harbour, Holman, Simpson Strait, Requisite Channel Storis Passage and Taloyoak (Spence Bay). The survey will start in early August and run until late September.

Nunavut survey

Jon Biggar is the HIC along with Arnie Welmers.

They will conduct surveys in the eastern Arctic on an opportunity basis from the CCGS Pierre Radisson with one launch. The priority areas for surveys are the harbours and approaches at Hall Beach, Igloolik, Cape Dorset, Repulse Bay and in the Iqaluit area. The survey will start in late August and will run for six weeks. Al Shepherd will join the CCGS Henry Larsen in early September to conduct a harbour survey at Grise Fiord while the ship is in the area.

The CHA Academic Awards Program
A Report on Activities

By Barry M. Lusk

The Canadian Hydrographic Association Award will be offered again this year to a Canadian student entering 2nd year of a course associated with the broad subject area of hydrography and geomatics.

Twenty five Universities and Technical schools across Canada each year are sent application forms, brochures and rules encouraging their awards offices to have qualified students within their schools apply for this award.

Applications are open until the end of June each year during which time we normally receive 20 to 30 applications. Each year a number of these applications are judged to be non compliant, either because the student is in an inappropriate faculty or is entering a year other than the second year of an undergraduate programme. We usually get 15 or so appropriate submissions.

The award was originally structured to recognize those students who could demonstrate a real financial need along with acceptable academic performance and, for the most part, I think the seven previous winners have all met this criteria.

When all the acceptable applicants have been chosen a small committee reviews the applications and chooses a winner. This usually takes place during the month of July. A \$2000 cheque is then drawn in the winner's name. Along with the cheque the winner gets his/her name on our perpetual plaque, an engraved CHA medallion and a framed certificate. A covering letter to the winner requests that he express his thanks for the award through a letter to be published in Lighthouse.

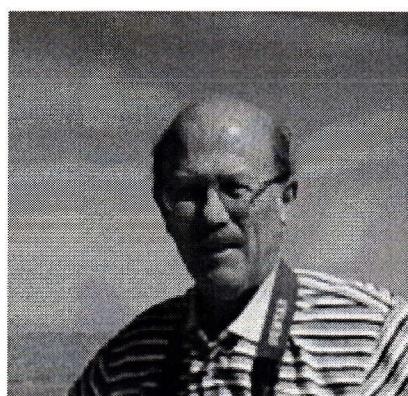
We will be making our 8th award in July of this year and are expecting a good number of applications.

Previous winners have come from the following schools:

- College of Geographic Sciences, 3 winners
- University of Calgary, 2 winners
- Laval University, 1 winner
- British Columbia Institute of Technology, 1 winner

*Barry Lusk, Manager
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ANNOUNCING THE 2000 CANADIAN HYDROGRAPHIC ASSOCIATION

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ANNUAL BARBECUE!!

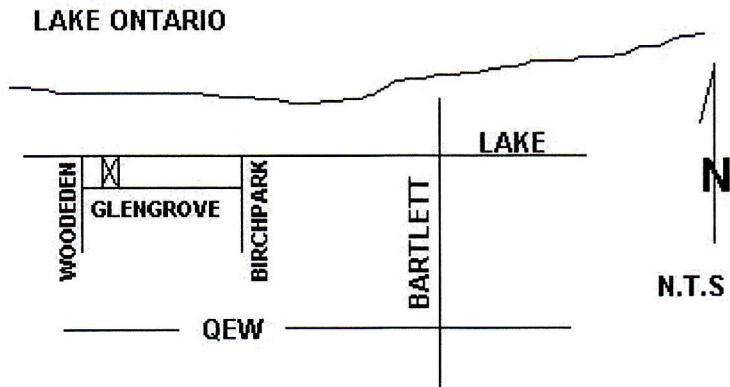


Saturday, July 8th at 1:00 p.m.

**Place: The Janzen residence in Grimsby.
All CHA members, families and friends are invited to attend.**



Hotdogs and hamburgers with all the fixings, plus beer, wine and pop will be provided. Please bring either an appetizer, munchies, salad, or dessert and a lawn chair.



**"X" MARKS THE SPOT - 3 GLENGROVE AVE GRIMSBY
(905) 309-4220**

Exit from the QEW at Bartlett Avenue, and turn north, toward the lake. Turn left on Lake Street, continue past the convenience store on your right, turn left on Birchpark Drive, and then take the first right onto Glengrove Avenue. #3 is the second-last driveway on the right-hand side.



The International Column

By Larry Robbins, Commander, RNZN

Winter is here in the antipodes. In Auckland we do not get snow and I guess that most of our readers will offer a wry smile when I say that we were all complaining of the bitter cold when the temperature dropped to 3 degrees C overnight!!

It is the quiet time for hydrographic surveying.

The Royal New Zealand Navy recently decommissioned its two Inshore Survey Craft, HMNZ Ships Takapu and Tarapunga. Unlike most other RNZN ships which have paid off recently, these two 115-tonne little ships are not worn out. They have many years of life in them yet. Unfortunately they are too mobile to be effective multi-beam platforms and in any case, the 'authority' for hydrographic surveying in New Zealand, which is Land Information New Zealand (LINZ), are not buying any surveys for which they ARE suitable. On the subject of survey ships, news from the Australian Navy is good, with their new survey ships commissioning recently and HMNZS RESOLUTION has recently achieved the highest standard for multi-beam work. The Navy's new catamaran survey boat, ADVENTURE, is engaged in a multi-beam survey in the South Island, also on LINZ contract.

There have been some questions from CHA members recently about how the new regime is working out in New Zealand. Having left the navy several months ago now, I am slightly more divorced from the emotions of the business and can comment without having to weigh my words quite as closely!

I still remain unconvinced that the new regime is actually more efficient in many ways and I believe it is much more expensive I must admit that the navy has been compelled to invest more effort into and support of its hydrographic wing. I would imagine that without the LINZ system being forced upon the Hydrographic service, the amount and pace of progress would have been less — although the procurement of RESOLUTION and the new surveying equipment was already determined. The navy's Hydrographic Business Unit seems to have rallied and has done well in the LINZ contracting round, the quality of the equipment, and the experience and flexibility of the cartographic staff and surveyors shining through. The Navy gained the contract to rasterise all NZ charts (in under a year) although many mariners question the need for this at this stage.

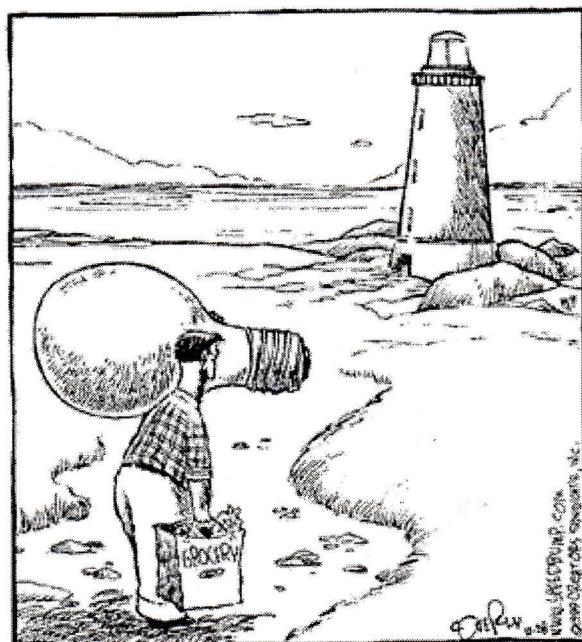
The National Institute of Water and Atmospheric Research (NIWA) won a relatively small hydrographic survey contract, interestingly enough employing a couple of navy survey technicians (on leave at the time) to undertake some of the work!

The working relationships between contractors and the majority of LINZ personnel appear to be good and most LINZ officers are genuinely concerned with producing a high standard of product. I still mourn the fact that there is no hydrographic specialist or seaman at the head of, or in senior positions in, the hydrographic unit in LINZ. Communications from LINZ to the maritime community have not improved noticeably despite the emphasis that is placed upon communication with users in LINZ literature. Almost a year on from the first 'Hydrographic User Group' meeting (HUG - an interestingly inappropriate acronym!) the proceedings have still not been published. It will be interesting to see when and if another HUG is held (nothing has yet been advised)! Discussions with practicing mariners over the need for hydrographic surveys are pitifully absent.

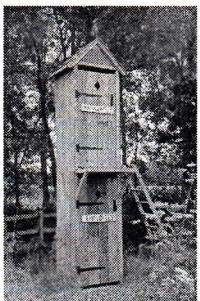
Not unsurprisingly perhaps, I haven't really experienced too many withdrawal pains on moving into the museum sector 9 months or so ago, though I do miss the close camaraderie of the hydrographic team. Fortunately the maritime museum is at the harbour's edge and boats and salt air maintain a reasonable level of sanity!

Keep in touch, everyone. Drop me a line with your latest newsy item — your letters and cards are much enjoyed.

LARRY ROBBINS
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From the Outhouse

by Jim Berry

Thanks to fellow CHA OH'er Richard Padmore, for the latest in OH designs. In case you can't make out the door signs, the top reads "Management" and the bottom "Employees". It just goes to show that it's always the little guy that gets dumped on.

Editor Sam insists that I write about my spur-of-the-moment trip to the CHC 2000 Conference in Montreal. So here goes.

Due to other commitments, I was able to spend only one full day at the conference, which meant traveling to Montreal on Tuesday and returning home Wednesday night.

Here's the plan, which seemed simple enough: register for the conference; reserve a room at the hotel; purchase my train ticket to catch the Tuesday 10am train at Oshawa, arriving mid afternoon in Montreal leaving some time to catch the sights. Wednesday morning, register prior to the 9am scheduled session; spend the day at the conference; and return on the 6:15pm arriving home in time to catch the 11pm news.

A call to the Queen Elizabeth Hotel. They were completely booked except for a one-bedroom suite. Hearing this, my "other" half thinks it would be a good idea for her to tag along for the trip. One thing led to another and in the end the whole family insisted on coming. Elaine and the kids would spend the day sightseeing while I was sitting in on the sessions and I would meet them at the train station for the trip home. We called the hotel and confirmed the suite for the five of us.

The last time I traveled by train, Ken Richmond (KevTech & Associates) and I attended the 1983 CHS/CHA Conference in Ottawa. On our return trip to Toronto, the train derailed in the middle of nowhere and in total darkness. We were shuffled some time later to another train to complete the journey. The conductor was very frustrated and blamed constant equipment breakdowns on reorganizing and cost cutbacks within the company. I remember telling the conductor that if Air Canada maintained their planes as poorly as "the unnamed train company" maintained their equipment, planes would be constantly falling out of the sky. He agreed. We booked anyway and ended up on the "Kool Aid" train to Montreal.

After checking in at the Queen Elizabeth, we had to convince the hotel staff that 3 adults and 2 children could not possibly sleep on 1 bed and a pull-out chesterfield. Two cots later, we were off to see the sights. On the way out the front door there was a crowd of people chanting and waving flags. I asked the doorman why the commotion. "some important President was arriving and staying in the hotel". Not wanting to wait, I knew I would catch up with Ken at the McQuest Marine booth the following day, so off we went. As always, our first destination is the waterfront, and a buggy ride through old Montreal, then a tour through the Archaeological Museum, followed by a visit to the magnificent Notre-Dame Basilica, then dinner on Crescent Street and dessert at Planet Hollywood.

Arriving at the Registration desk the next morning, I'm told that the session started at 8:30am and not 9am as per my

printed program and, to top things off, there were no scheduled sessions in the afternoon. A quick call to Elaine, "meet me back at the hotel at noon": I'm now tagging along with them.

In the few hours left, we were able to hit the biodome; the botanical gardens; and the insectarium.

In the end it was all worthwhile, Ken McMillan saw us off and presented each of us a gift: a McQuest compass keychain.

To the friendly people of Montreal: "we'll be back to spend more time with you and your beautiful city".

To VIA Rail and their staff: "the trip, the service, and even the food was fantastic". "We are looking forward to our next train adventure".

To the Conference Organizing Committee: "It was the most expensive 3-hour conference I have ever attended. But perhaps I didn't read the program carefully enough".

To CHA Central Branch members Mike Bennett and George Fenn: "I'm looking forward to the 2002 Conference in Toronto. It sounds like you're already off to a good start."

Knudsen Engineering Limited is pleased to announce yet another sale to Royal Boskalis Westminster. The new 320M/P echosounder was recently delivered to the Finnish dredging company, Terramare Oy, which is a subsidiary of Boskalis. The 320M/P is the splashproof version of the proven 320M marine echosounder, which is used by the Canadian Hydrographic Service across Canada. The Knudsen 320M and 320M/P echosounders have been sold in increasing numbers to other international dredging giants such as the Jan de Nul Group, Dredging International and Ham Dredging and Marine Contractors. Now in use in over 33 countries worldwide, the Knudsen 320 series of high performance single beam echosounders provide precision water depths in harsh environments from Bahrain to the northern arctic.

In May of this year, Knudsen personnel installed a 320B/R deep water echosounder onboard the U.S. Coast Guard Cutter *Healy*, in St. John's, Newfoundland. Following this port stop, the world-class high-latitude icebreaking research ship is scheduled for its maiden voyage through Arctic waters to measure the state of the icepack and other scientific experiments. The *Healy* is the US Coast Guard's first new icebreaker in 22 years and is the largest and most complex ship in the Coast Guard fleet. Knudsen Engineering is proud to have equipment on board.

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