

The Canadian Hydrographic Association
Association canadienne d'hydrographie



National Edition

NEWSLETTER

*** July/August 2003 ***

Vol. 17, No. 6

Canadian Hydrographic Association

Central Branch

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Central Branch Committees

Communications and Publicity

Newsletter: - J. Weller, T. Janzen, F. Oliff,
J. Walker.
Web Site: - J. Weedon.
Lighthouse: - A. Leyzack, H. MacArthur, J. Walker.

Education and Development

Gerry Wade Memorial Library: -
T. Janzen, A. Leyzack.
Meetings: - H. MacArthur, G. McFarlane, J. Walker.
2003 Side Scan course: -
T. Janzen, A. Leyzack, C. Robinson

Membership

Branch: - B. Power, T. Janzen, G. McFarlane.
International: - T. Janzen.
Elections: - T. Janzen, S. Youngblut.

Social Events

H2O: - E. Brown, J. Leyzack, B. Power.
BBQ: - G. McFarlane, T. Janzen.
AGM: - F. Oliff, H. MacArthur, T. Janzen,
J. Weedon, S. Youngblut.

Admiralty Launch Surveyor

B. Power, E. Brown, J. Dixon, H. Duller,
T. Janzen, A. Leyzack, W. Warrender, J. Weedon.

Message from the National President

I've been hearing from some of our members that work has been a little slow in the Offshore and only as of late have some of you put to sea. Whether you're stuck on the beach or away on an assignment, I hope you are all having an enjoyable summer.

In recent months, the National office has been involved in preparations for the Canadian Hydrographic Conference (Ottawa) 2004, the Association of Canada Lands Surveyors (ACLS) Offshore Consultation Workshop and the ACLS Board of Examiners Seminars focusing on Hydrography and Offshore Boundary Rights. CHA National is sponsoring the ACLS events as well as the FIG-UNB Meeting on Marine Cadastre Issues.

The Hydrographic Society of America (THSOA) has graciously extended a 10% discount to any CHA members wishing to register for the 32nd Shallow Water Multibeam Sonar Training Course, to be held December, 2003, in Seattle, Washington, USA. I have been informed that a limited number of discount spots will be made available to THSOA and CHA members until August 15, 2003.

There are also a couple events on the horizon which may be of interest to our international members: the 7th South East Asian Survey Congress (SEASC) and MELAHA 2004 which is the bi-annual Conference of The Arab Institute of Navigation. International members can refer to the enclosed flyers for both these events otherwise, for more information on all the above-mentioned events please see this newsletter's Announcements.

Please mark your calendars and plan to attend the CHA National Annual General Meeting (Dinner/Meeting) in Calgary on the evening of October 15, 2003 at the Fairmont Palliser Hotel, Calgary, Alberta. Bruce Calderbank, our VP in Calgary has secured Gordon Guenette to speak on the **Raising of the Kursk**. Bruce has been very active as our connection with the various upcoming activities in Calgary. Thanks again, Bruce, for all your efforts!

Please see the enclosed flyer for your official notice of the CHA National Annual General Meeting.

- Andrew Leyzack

Notes from the Branch Vice-President

Hello, hello!

I'll bet you didn't expect to be hearing from me yet - I didn't expect to be writing another message until the autumn. It seems the Summer/National Edition of the newsletter completely slipped my mind. As such, I had no topic prepared, so I'll settle for telling you about events that have been going on since the last newsletter.

The first noteworthy event would be the Admiralty Launch *Surveyor's* participation in the 210th anniversary of the founding of Port Hope, Ontario. I don't wish to steal the thunder of Brian Power, who will be writing an article on this, but we had a fantastic time re-enacting the ferrying of the founding fathers (and mothers, and children) to shore. We also participated in a rowing race against other longboats that resulted in a *virtual* photo finish (no cameras around to speak of in 1793) that I leave it to Brian to tell you about.

Next, while on vacation in Winnipeg (don't laugh, it's a fantastic place to visit in the summer, especially for all you

sun-seekers), I was able to rendezvous with CHA member Anthony Knott. Anthony is our only Manitoba member, and it was great to be invited into his home, meet his family and find out a little bit about his history. We exchanged stories, had a discussion of the state of the hydrographic industry in Canada, and I was able to show him a photo album of recent CHA/*Surveyor* events. Thank you very much to you and your family for your hospitality Anthony!

Last, but not least, I would like to mention the annual CHA Barbecue, which took place on June 28th at the McFarlane homestead in Mississauga. There were about 30-35 members and friends. More about that later in this NewsLetter.

Well, that's all I have to say for now, so until I write again...
happy hydrography!

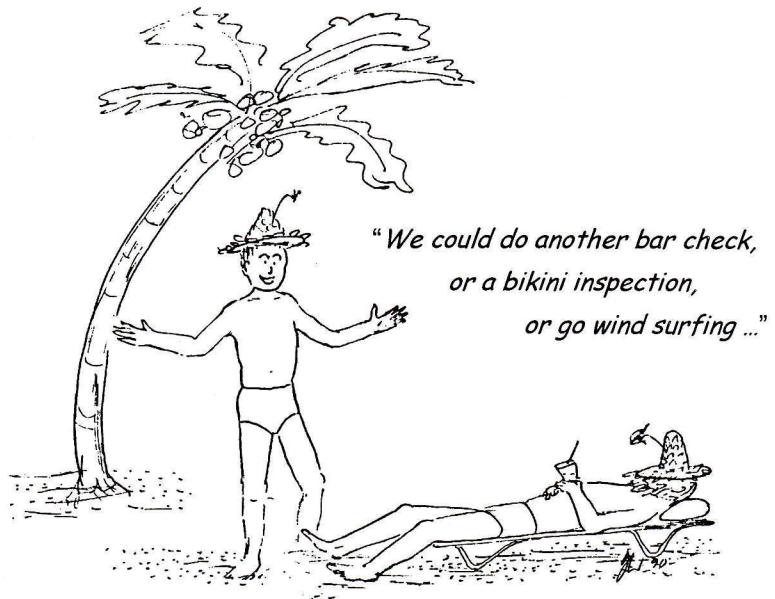
- Tim Janzen

From the NewsLetter Committee:

This summer issue of our newsletter brings many interesting items. As well as messages from our National President and from our V-P, we have reports by Earl Brown on our journal *Lighthouse*, by Brian Power on our launch *Surveyor*, by Tim Janzen on our summer BBQ, by Barry Lusk on our CHA Student Award, by Terese Herron and Rick Sandilands on our CHS field staff, and an International column by Larry Robbins, Peter Knight and Ron Dreyer. Our \$50.00 ad spot is taken this time by C & C Technologies. Thank you all.

On a personal note, I [Sam] have a career change coming up in just 22 months – or possibly sooner – so to ensure a smooth transition, I have asked to be relieved as editor of this newsletter, effective the end of this calendar year. I am glad to say that Tim Janzen, our V-P, has agreed to take on this responsibility so I know the newsletter will be in good hands and will go from strength to strength under its new editor.

Mark this on your calendar! Thursday 11th December is the *Central Branch AGM and Dinner*; this is your chance to make your voice heard, to catch up with your fellow members, and to have an interesting and tasty evening out. Our guest speaker is Todd Ford, a teacher who took a class from Burlington to the Antarctic on a Russian icebreaker. As in past years, this will be at the Mimico Cruising Club. See you there!



News from the other Branches

Ottawa Branch V-P Stacey Kirkpatrick (née Turcotte ☺) writes:

John Ells, one of CHS's newer employees, working under Dave Gray, gave an interesting presentation on LIDAR – Light Detection and Ranging Technology – using examples from some of his previous work in the private sector.

CHS Ottawa is planning a Golf tournament and dinner for September 25th, 2003. Employees always look forward to this annual event. We're hoping for sunny skies, a good turn out and lots of fun.

Paul Holroyd, the Manager of Nautical Publications, will be leaving us temporarily for French training. He's expected back in late December.

The planning for the 2004 Canadian Hydrographic Conference (CHC 2004), to be held here in Ottawa, is well under way and seems to be going well. Rick Mehlman reports that exhibitor's booths are moving well, with 25% already reserved. To keep up to date on the conference, you can visit the website <http://www.chc2004.com>.

Speaking of Ottawa, we take this opportunity to bid a fond farewell to **Sean Hinds**, who recently accepted a position at CHS headquarters in Ottawa. Sean has been very active in Central Branch for many years; he was our V-P for four years and was the person who steered our heritage launch project to successful fruition. Many thanks, Sean, and our best wishes go with you in your new endeavours. We'll miss you, but our loss is certainly Ottawa's gain.

CHA BRANCH OFFICES

We received no news from the other CHA Branches in time to include in this NewsLetter but this list of the V-Ps will help you refer prospective new members in the right direction:

Pacific	Prairie Schooner	Central
Dave Gartley	Bruce Calderbank	Tim Janzen
P.O. Box 6000	74 Granlea Pl., S.W.	P.O. BOX 5050
9860 W. Saanich Rd.	Calgary, AB	867 Lakeshore Rd.
Sidney, BC V8L 4B2	T3E 4K2	Burlington, ON L7R 4A6
250-363-6314	403-246-1265	905-336-4846
Ottawa	Section du Québec	
Stacey Kirkpatrick	Bernard Labrecque	
615 Booth St.	53, St-Germain O.	
Ottawa, ON K1A 0E6	Rimouski, QC G5L 4B4	
613-995-4475	418-723-1831	

NEW CHA WEBSITE NOW ONLINE

Thanks to the efforts of Dave Gartley and Sherman Oraas of CHA Pacific Branch, and Jim Weedon and Tim Janzen Central Branch, the CHA has a new website using a private domain internet service provider. Bookmark www.hydrography.ca

CHA Life Member **Tom McCulloch** has published his memoirs in a book entitled *Mandalay to Norseman*, now available from Trafford Publishing, Victoria, BC, Canada. It tells of a misspent youth in Scotland and at sea before arriving in Canada in 1948. Tom informs us that the sequel, which is yet to be written, will feature his time with the CHS and CHA. For more information contact bookstore@trafford.com or visit www.trafford.com.

CHA participates in Port Hope 210 Anniversary celebrations

By Brian Power

On the weekend of June 6th, 7th and 8th 2003, DFO employees with the Canadian Hydrographic Service (CHS) and members in the Canadian Hydrographic Association (CHA) were invited to participate in the municipality of Port Hope's 210 year anniversary celebration.

To celebrate this event, the town organized a 1793 re-enactment of the arrival (by ship) of the first families to settle at Port Hope, Ontario. Twenty-four descendants of the original families were contacted and invited to participate in the re-enactment. Dressed in period costume, they boarded the Brigantine *Pathfinder* in Cobourg to be transported to Port Hope. The CHA's circa 1793 Admiralty Launch *Surveyor* and her crew of eight playing the role of Provincial Marines were responsible for conveying the families from the STV (Sail Training Vessel) *Pathfinder* to the shore of Port Hope located at what then was called Smith's Creek on Lake Ontario.

There were about 4,000 people crowded along the shore to watch *Pathfinder* sail out of the fog, drop anchor and have the *Surveyor* row to shore. The celebrations included public sailing cruises aboard, *Pathfinder* and her sister ship *Playfair*, an afternoon picnic and evening concert. *Surveyor*'s crew were camped out in canvas tents on a small section of the public park situated in the center of town and the public were invited to visit the camp and meet with the crew who were present to interpret the life in the 1790's.

Scheduled for the following day after the arrival of the settlers to Port Hope, on the Sunday, *Surveyor* and her crew participated in the first annual Port Hope Walton Cup rowing and sailing race. The race was modified to only a rowing event due to the dense fog condition on Lake Ontario. Four longboats took part in the race, of which two were crewed by the Northumberland sea cadets. *Surveyor* completed the course in 17 minutes, coming in first, ahead of the second place boat by only five seconds.



Surveyor's crew wins first annual Walton Cup boat race.

Coincidentally, it was 10 years ago to the day that the CHA first launched *Surveyor* in Toronto Harbour and re-enacted the first Hydrographic Survey performed by Joseph Bouchette. It was also Bouchette, as an officer in the Provincial Marine, that captained the armed Schooner *Mississauga* which brought the first settlers to Port Hope 210 years ago.

The CHA Academic Awards Program

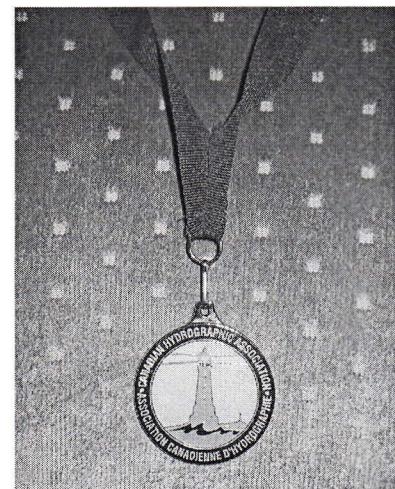
By Barry Lusk

The Canadian Hydrographic Association award for 2003 will be presented to Matthew H. Bigney, from Fall River Nova Scotia, who is entering second year Geomatics and Geodesy Engineering at the University of New Brunswick in the fall.

He recently graduated from the Centre of Geographic Sciences after completing his two-year program. As his letter of reference states, "Matthew was one of the top students in the Geomatics Engineering Technology program here at the Centre of Geographic Sciences. Not only was he at or near the top in the terms of marks but also he was also always keen to clearly understand how and why things worked. And not simply strive for high marks."

A cheque for \$2000 will be made to Matthew; a framed certificate and the medallion will also be presented. His name will also be inscribed on the Award's perpetual plaque.

The Canadian Hydrographic Association congratulates the award's 10th winner and the first from the University of New Brunswick.



The CHA Award medallion

I received only six applications this year where normally I receive at least twice that number. Among these, only three complied with the basic requirements of the award. Two of the applicants were at Lakeview College in Alberta studying environmental reclamation subjects that I don't really feel meet our study subject criteria. The third non-compliant application also did not meet the criteria as it failed to include a letter of reference and was carelessly filled out. Obviously a rush job.

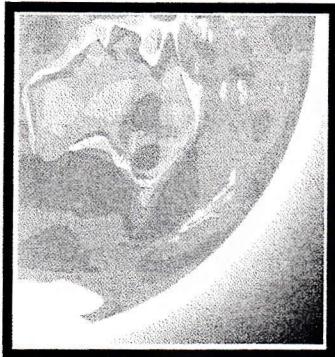
So, I and my small committee were left with a fairly easy examination of the three remaining applications. These were from Algonquin College, University of New Brunswick and Centre of Geographic Sciences. Each of the students were highly qualified and excellent candidates. With so many students needing financial aid it is always hard to choose.

The successful candidate was notified by mail on July 2 and our National President on the same day. Each successful candidate receives a framed certificate, an engraved medallion, a \$2,000 cheque, and his or her name on our perpetual shield.

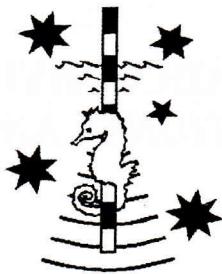
Please contact me for more information:

Barry Lusk, Manager, CHA Academic Awards
4719 Amblewood Drive
Victoria BC Canada V8Y 2S2

Telephone: (250) 658-1836



HYDRO 2003



'Surveying Extremes' the theme of our conference is to emphasize among other things:

- The broad area we work in, the Equator to the Antarctic and nearly half of the Southern Oceans of the World.
- The diverse nature of equipment used is also to be incorporated into the theme, from lead line sounding to multi-beam, and airborne laser,
- Tide from GPS
- determination of our Continental Shelf for the 200 mile economic zone definition.
- The sheer diversity of surveying projects in the southern half of the World.

The Australasian Hydrographic Society (AHS) has approximately 184 members including 44 from New Zealand. Membership has been steadily growing in recent years. This may have come about through the AHS. and the Institution of Surveying Australia Inc. (ISA) providing a professional qualification through a system of accreditation.

The number of Conferences in Hydrography and allied topics and services around Asia (our nearest neighbours) has seen too many choices available much to the detriment of all.

New Zealand and Australia are SARS free and are in a state of economic growth, so development, especially in a region so dominated by the sea should be seen to be attractive place to visit and perhaps do business.

Twenty exhibitors have accepted our invitation to attend and sponsor our Symposium.

The principal sponsor (platinum)

- Hydrographic Sciences Australia (HSA),
- Trimble Navigation Ltd. (gold),
- Thales-Geosolutions, TENIX, National Institute of Water and Atmosphere (NIWA), and Fugro (Silver)
- Atlas Hydrographic (bronze)

A full list of exhibitors is as follows :-

Thales Geosolutions Trimble Hydro International
Seismic Asia Pacific GeoAcoustics TENIX
Australian Hydrographic Service RAN RNZN
NIWA HSA Systems Interactive Visualization Systems
ODOM Hydrographic Systems Atlas Hydrographic
New Zealand Ocean Technology Ltd Fugro Reson
University of Otago

The 'Shallow Water Conference' in Sydney, Australia the previous week, i.e. back to back, has attracted and made the trip worthwhile for overseas exhibitors to attend both. The exhibitors have been offered the opportunity to make presentations at the Conference along with other presenters, all based on merit and relevance to the theme.

The venue caters for approximately 200 Registrants, so the emphasis is one on renewing friendships and making new acquaintances on a one to one basis. Registrations to date indicate that our expectation of approximately 120 Full Registrants will be met with ease. Typically, the Registrant will be a professional member practicing Hydrography or a senior member of the Society or in allied marine activities. We have some overseas and local students from Hydrographic Education facilities attending at a special rate.

CANADIAN HYDROGRAPHIC ASSOCIATION

NATIONAL ANNUAL GENERAL MEETING & DINNER



Wednesday, October 15, 2003

5:00 - 9:30 PM

Fairmont Palliser Hotel, Leduc Room
Calgary, Alberta

CHA's National AGM and Dinner will be held following the ACLS - CHA Offshore Seminar

A discount hotel room rate is offered to participants of the Canadian Institute of Geomatics (CIG) Geomatics 2003, 16 to 18 October, and to participants of the ACLS - CHA Hydrographic Surveying Workshop and Offshore Seminar, 14 to 15 October.

Evening Program

Cash Bar - *Sponsored by RICS Canada*
Cocktail Reception 5:00 PM
Annual General Meeting 6:00 PM
Dinner 7:30 PM
Guest speaker 8:30 PM

Guest Speaker: Gordon Guenette

Mr. Guenette, will offer us a video presentation of the **Raising of the Kursk**, the ill-fated Russian submarine which sunk in the Barents Sea, August 12, 2001.

Registration

CHA Members and Guests: \$30.00/person

Students: \$20.00/person

Please Register by October 8, 2003

with a cheque made payable to "Canadian Hydrographic Association"

P.O. Box 5050, Burlington, Ontario

L7R 4A6

- or -

FAX a copy of this form to: (905) 336-8916

Registration Information

Name: _____

Address: _____

Phone/FAX: _____ Accompanying Person: _____

*For AGM information please contact Terese Herron at (905) 336-4832 or herront@dfo-mpo.gc.ca.
www.hydrography.ca*

For more information on or to register for the seminar visit the ACLS website at www.acls-aatc.ca or contact the ACLS office at (613) 723-9200 or by email at admin@acls-aatc.ca.

ANNOUNCEMENTS

Compiled by Andrew Leyzack

The purpose of this column is not to provide an all-encompassing calendar of hydrographic-related events but to offer information on events sponsored by organizations or individuals with whom CHA is connected. Input comes from organizations such as the ACLS, FIG, CIG, THSOA and the International Federation of Hydrographic Societies.

International Federation of Surveyors (FIG) and the University of New Brunswick (UNB) – Meeting on Marine Cadastre Issues

Sponsored by FIG Commission 4, UNB's Dept. of Geodesy and Geomatics Engineering, and the CHA, the Meeting on Marine Cadastre under the auspices of Mr. Michael Sutherland will be in Fredericton, New Brunswick, **September 13-16, 2003**. Please note that the posted closing date for expression of interest has passed. Those interested can still contact Mr. Sutherland at michael.d.sutherland@unb.ca for information: www.fig.net/figtree/commission4/news/marine_cadastre_2003.htm or refer to the flyer in the recent Edition 63 of Lighthouse.

Canadian Institute of Geomatics, GEOMATICS 2003

Calgary Branch of the Canadian Institute of Geomatics will be hosting Geomatics 2003, Geomatics for Industry, Micro to Macro **October 16 to 18, 2003** in Calgary Alberta. For more information visit www.cig-acsg.ca.

Association of Canada Lands Surveyors, Offshore Consultation Workshop and Seminars

On **October 16, 2003**, in conjunction with Geomatics 2003 in Calgary, the Association of Canada Lands Surveyors, Natural Resources Canada, Legal Surveys Division, and the CHA will deliver a follow-up to the 1999 Offshore Consultation Workshop. Prior to the workshop, two seminars will be offered as a means to highlight the information needed by a CLS candidate in order to prepare for examinations on Hydrography and Oceanography and Offshore Property Rights in Canada. Additional presentations will be given on datum issues, offshore oil and gas surveys, multibeam sonar and International Boundary Delimitation. For more information and registration, please refer to the flyer included in the recent Edition 63 of Lighthouse, or contact the executive director of the ACLS, Jean-Claude Tétreault at jct@acls-aatc.ca.

Canadian Centre for Marine Communications, Ocean Innovation 2003 Conference & Exhibition

CHA Corporate Member CMMC is hosting *Ocean Innovation 2003 Conference & Exhibition* on **October 20-21 2003**, in St. John's, Newfoundland and Labrador, an event sure to benefit industry, government and academia. This is the first in a series of planned annual events that will rotate across Canada in support of innovation for the oceans. For information and to register, visit the event website www.oceaninnovation.ca.

Billed as Canada's premiere conference and exhibition for ocean innovation, the event will focus on four integral aspects of ocean innovation: (I) Technology – *Improving Ocean Knowledge Performance*; (II) Investment – *Enhancing the*

Ocean Innovation Environment; (III) Partnerships – *Strengthening Ocean Communities*; and (IV) People – *Developing and Retaining Ocean Skills*.

For information contact Clayton Burry, Conference Committee Chairman, Director Industry Development, CMMC at (709) 758-836 or e-mail: cburry@ccmc.nf.ca

7th South East Asian Survey Congress (SEASC2003) - Hydrography Program

FIG Commission 4 would like to inform you that the hydrographic program at the South East Asian Surveying Congress, **November 3-7, 2003**, is filling up and would like to see a couple more papers added to the agenda. Commission IV will also be hosting a hydrography technical tour. (CHA International members please refer to the enclosed pamphlet) For more information please visit www.seasc2003hk.org or contact the Congress Secretariat by phone (852) 2559 9973, by fax (852) 2547 9528 or via email enquiry@seasc2003hk.org.

The Arab Institute of Navigation, bi-annual Conference on Navigation in Channels and Restricted Waters, MELAHA2004- Call for Papers

Central Branch CHA member Dr. Ahmed El-Rabbany, who is the Secretary General for this conference, would like to extend an invitation to our members to submit an abstract. The conference is to be held in Cairo, Egypt, **April 13-15, 2004**. The deadline for abstracts is **November 15, 2003**; they may be submitted to Dr. El-Rabbany at rabbany@ryerson.ca or to the Arab Institute of Navigation, ain@asst.edu. For more information, contact the Arab Institute of Navigation at +203 5509624 or by fax +203 5509686 or visit www.ainonline.org.

The Hydrographic Society, HYDRO 2003

Under the auspices of the International Federation of Hydrographic Societies, the 4th Australasian Hydrographic Symposium will be held **November 24-26, 2003** in Christchurch, New Zealand. (See enclosed advertisement.)

The (US) National Oceanic and Atmospheric Administration (NOAA) and The Hydrographic Society of America (THSOA) host the 32nd Shallow Water Multibeam Training Course

Presented by The University of New Brunswick Ocean Mapping Group and the University of New Hampshire Center for Coastal and Ocean Mapping, this course will be held in Seattle, **December 1-6, 2003** at the NOAA Western Regional Center. This world-recognized course aims to prepare and train experienced hydrographers in the use of multibeam sonar systems. The deadline for registration is **October 30, 2003**. CHA and THSOA members are eligible for a 10% discount off registration if they act before August 15, 2003. For more information visit www.thsoa.org

International Society for Photogrammetry and Remote Sensing, ISPRS 2004, Geo-Imagery Bridging Continents

The 20th Congress of ISPRS will be held in Istanbul, **July 12-23, 2004**. At present the Call for Abstracts is out. For more information visit www.isprs2004-istanbul.com

The International Column

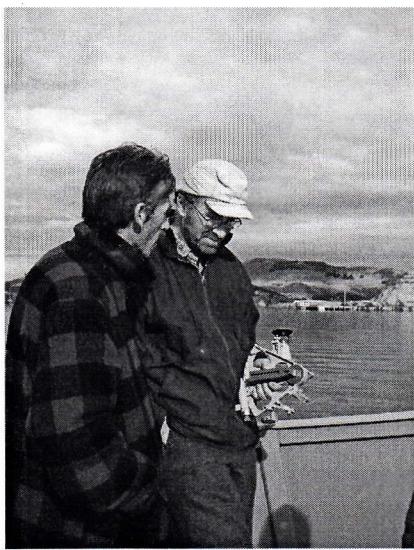
By Larry Robbins

"Yes, Virginia, there IS life after hydrography" suggested Sam Weller when I sought ideas for a column subject. It is just coming up for 4 years since I retired as Hydrographer to the RNZN to become the CEO of the NZ National Maritime Museum. I felt this to be a fairly radical step (though Jane, my wife, could not see any major change as one moved 'from driving old ships to looking after old boats!')

It has, indeed, been a fairly easy transition, though I have quickly become divorced from hydrography whilst retaining links with a number of former colleagues. It has been satisfying to see juniors (as were) moving through the system and continuing their development into fine surveyors both in and outside the navy. Hydrography, like many other disciplines, is changing quickly and the pace seems to be accelerating! But like a good (former) naval officer I delegated this column to Peter Knight who writes:

While New Zealand is seemingly distant from many of the world centres, New Zealanders are extremely well travelled; the Overseas Experience, or O.E. as we call it, is part of the

culture. These overseas journeys often extend to several years and are not limited to the standard ports of Sydney and London, but include the continents of Asia and Africa and South America. Within New Zealand one also notices that people are well travelled and often belong to, or have extensive knowledge of, different regions.



(Does that thing really work, Peter?)

In my view this is fertile ground in which to situate a Category A hydrographic programme and we have begun the programme here on a small scale, planning on a gradual development. However, I find the students are quick to sense the opportunity and four of our best students are now engaged. It is not only the penchant of New Zealander's for travel that gives New Zealand its international character but also, of course, the fact that New Zealand is a major destination for travellers from all over the world. At a lecture introducing Marine Science students to hydrography a year ago, I had the impression that I was in the USA, so many of the students had American accents. And so we are beginning to receive overseas

inquiries about the Cat A programme; the most recent of these is from French Polynesia, the capital of which, Tahiti, was, of course, very important in the history of hydrography.

A final anecdote, in which Canadian members may be interested, is that the School of Surveying here at Otago recently hosted a four-day seminar for a group of Malaysian surveyors. This group of professional surveyors (twenty-eight of them) were all engaged in a Masters programme at the University of Technology of Malaysia (UTM). Many will recall the extensive work in which the Canadian Hydrographic Association participated to set up the Cat A hydrographic programme at UTM. Many of the Malaysian surveyors had studied overseas and several had trained at Northeast London Polytechnic University. Some of them had met Alan Ingham, the founder of what is now the International Federation of Hydrographic Societies, and all seemed to know Peter Dale whose book on Cadastral Systems in the Commonwealth was a fixture on the shelves at the University of Toronto when I studied there.

We also heard recently from Ron Dreyer, at the ancestral home in Ontario:

Your timing is impeccable... you've caught me in the middle of a 4 week retreat before heading out to our next assignment in Barbados. As requested, please find a brief summary of the Ghana project... I'll send a few digital pictures along in a couple of days after I dig them out and reduce the size thereof. In the meantime I've bought some new golf clubs and I've been hitting 180 balls a day since... now that the blisters have healed I'll start on the links tomorrow in Hamilton.

His "brief summary" is a fascinating 800 words plus photos so we'll save that for another time, perhaps an article in Lighthouse. He goes on to say that their 2 years in Africa with *W.F. Baird and Associates* have been hectic, to say the least, but have also been a lot of fun:

On a personal note, it has been a wonderful experience for Gisele and I as our 6-month on, 2 week off, rotation did allow us to travel and enjoy some excellent vacations that included South Africa (lion safaris, hot-air ballooning, white water rafting), Australia (Xmas and New Year 2001/2002 in Sydney, Brisbane and Coolum), France (Paris, Loire Valley, Pyrenees, Mediterranean), Ghana and the Republics of Togo and Benin, in the latter of which we have a Euro40 million coastal stabilization project that should commence in mid 2004.

And talking of travelling ... are you joining us for HYDRO 2003 in Christchurch, November 2003? We look forward to meeting many of our fellow CHA members at that event and showing them the sights. You'll be most welcome.

— Larry

News from your journal LIGHTHOUSE

By Earl Brown, co-editor

We are again pleased at having the opportunity to bring you a few words relating to our journal *Lighthouse*.

Edition 63, the Spring/Summer edition, will have reached your desk a few weeks ago. We were a little late with the publication of this edition. There is a rather lengthy explanation for our tardiness, but we will not bore you with details. Suffice to say we are not pleased at being late and will do every thing we can to ensure dates in the future will be met. But things do happen.....

Paola and I, as co-editors of *Lighthouse*, have recently submitted a "next steps" proposal to the National president. We have made some recommendations to ensure that our journal thrives into the future. We are convinced that we have a good product and firmly believe that we can be successful. As our submission has only recently reached your executive it would not be prudent for us to discuss our submission at this time. We hope that our next message to you reflects a positive commitment that our *Lighthouse* will shine brightly for the foreseeable future.

Sometimes, we need to be reminded that things don't just happen. This NewsLetter, for which Sam Weller is responsible, requires a lot of work and a strong commitment by Sam. He is willing and does a lot of work, but he needs material to create a newsletter. As a group forming an association, let's give him support in maintaining the newsletter, primarily by the timely submission of material.

This "commercial" for Sam leads us to *Lighthouse*. We also need your support. Writers, developers, innovators, and leaders of the future, we encourage you to make *Lighthouse* your journal of choice. Let's tell the world what exciting things are underway and why things are happening. We appreciate that everyone is busy, but please make the time to share your experiences with others.

We would also like to hear from you. Is *Lighthouse* the journal you want it to be? What would you like changed? We look forward to your comments because we are striving to provide a journal that you are proud to be associated with.

— Earl Brown and Paola Travaglini, co-editors

The Annual CHA BBQ

By Tim Janzen

The annual CHA Barbecue took place on June 28th at the McFarlane homestead in Mississauga. The weather looked a bit tenuous - sometimes overcast, and a little windy, but the rain held off (or at least it did until I had to leave at 4:30) and it turned out to be perfect conditions, and a relief from the overbearing heat we have been experiencing of late.

I believe we hit our normal attendance level of about 30-35 members and friends who wandered in and out through the day, but I didn't do a head count. There were familiar faces, some of our new members, and some recently absent out of town faces, too.

It was great to see Brad and Joanne Tinney and their daughter Melanie back in town from Sarnia for a visit. Melanie, incidentally was quite active with our Admiralty launch Surveyor and was on board one day while Brad was one of the oarsmen. Consternation and a touch of panic when Melanie was only half on board as the launch moved away from the wharf and did an unexpected man overboard. Brad, we are pleased to report, stayed at his post at No 6 oar and just watched with keen interest as she was rescued.

The event also marked a bon voyage to Sean and Lynn Hinds (they will be moving to Ottawa soon) who brought part of the clan - Christopher - along to share the day with us. The event was very well hosted and prepared. The yard, food, and bar

were all fantastic, and there were contingencies in place for just about any weather condition, rain or shine.

I would like to thank George, Hope, Camille, Lisa and Rob for all their fine work and preparations. I would also like to thank Brian Power for the use of both his barbecue and his flame-broiling expertise. It was a very good day. This photograph gives a glimpse of the occasion for those of you who could not join us, and there are other pictures on our web site.



CHS Central and Arctic Region 2003 Field Surveys

By Terese Herron and Rick Sandilands

The survey season for Central Branch members started with Revisory Survey heading out to the Rideau Canal on May 12th, The Eastern Arctic Survey is scheduled onboard the *CCGS Henry Larsen* from early August to early October and the Western Arctic is scheduled onboard the *CCGS Nahidik* from late July to late September

Revisory Survey: John Medendorp, Raj Beri, Janis Davies, Jim Weedon, Bob Strachan, Rudy Cutillo and Larry Toomer started the season on the Rideau Canal, investigating queries on Charts 1512 and 1513. The survey returned to the office the first week in July and submitted their findings to Field Quality Control. Jim Weedon returned to the office and Scott Youngblut joined the survey as they left for Lake Scugog, followed by Lake Muskoka, where John Mercuri joined the survey for one week, and then Lake Rosseau and Lake Joseph. In early August, Scott returns to the office and Roger Cameron will join the survey as they travel to northern Georgian Bay, various harbours in Lake Erie and the St. Lawrence River.

Arctic Surveys: The Arctic survey is being carried out in three locations, the western Arctic in the area of the Beaufort Sea, the eastern Arctic in the areas of Hudson Strait, Foxe Basin and Baffin Island, and across the Northwest Passage.

The western Arctic Survey will be based onboard the *CCGS Nahidik*. The first three weeks will be devoted to Oceans/Science data collection in the area of the Mackenzie River Delta followed by five weeks of CHS/NRCAN program to map the seabed morphology in the same area using multi-beam, single-beam and side-scan sonar technology. The western Arctic Survey will be led by Jon Biggar, who will also co-ordinate the science program, with Paola Travaglini, Al Shepherd, Heather MacArthur, Bill Briggs and Dave Tobio. Steve Blasco will be there for the NRCAN program.

CHA Corporate Member **C & C Technologies, Inc.** is a privately owned International Surveying and Mapping Company specializing in Autonomous Underwater Vehicle (AUV) survey services and World-wide DGPS Positioning. The company employs 180 professionals who focus on marine services, including marine construction surveys, acoustic positioning, geotechnical investigations, laboratory analysis, geophysical mapping, geosciences, land surveying, and R&D.

C-Nav Worldwide DGPS Positioning Services are also provided. C-Nav, which is based upon the NavCom SF-2000R receiver, consists of a dual frequency geodetic grade GPS receiver, an integral L-band receiver module for collecting satellite broadcast GPS correctors, and a processor to calculate real-time position. C & C modified the SF-2000R receiver for marine use and developed a new user-friendly interface. The result is worldwide horizontal positioning accuracy on the order of 0.1 meter at 1 sigma.

C & C was awarded the Marine Technology Society's Corporate Excellence Award "In recognition of C & C's

The eastern Arctic Survey will be based onboard the *CCGS Henry Larsen* headed by Tim Janzen, with Danny Mahaffy, Arnie Welmers and Michele Desjardins. They will continue working in the areas of Lake Harbour, Repulse Bay, Iqualuit, Clyde River, Pond Inlet, Pangnirtung and any other area of opportunity. They will also collect information for the correction of off-datum charts when the opportunity arises.

As part of the Arctic Science/UNB program, Jason Bartlett will be joining the *CCGS Sir John Franklin* collecting multi-beam bathymetry data to map the Northwest Passage. Jason will join the ship in early September at Resolute Bay.

Hamilton Harbour Survey: Led by Andrew Leyzack, with numerous staff as available day to day, this project was a "clean up survey" based on multibeam work done last year. The survey has also performed trials with Knudsen's new hull-mounted side scan sonar.

Tides, Currents and Water Levels: This section has another busy summer with activities in the Arctic and the area of the Permanent Water Level Network. Ron Solvason will be going to Alert with Pacific Region personnel Neil Sutherland and Ron Wooley to carry out maintenance and retrieve data from the gauging station at Alert. Ron and Neil will also travel to Holman to perform maintenance, to Tuktoyuktuk to restart a permanent gauge, and finally to Broughton Island to install a fifth gauge in the Arctic network. On the southern front, Carol Robinson and Fred Oliff are busy with annual inspections at the 34 gauges on the Great Lakes, responding to problems at the sites, and daily downloading and validating of the water level data prior to releasing the data to MEDS and the website.

The rest of us here in Central Region are continuing with our regular activities and some are enjoying vacation time. We wish everyone a safe and enjoyable summer.

pioneering spirit displayed by the introduction of the HUGIN 3000 AUV to the offshore oil and gas industry". Additional AUV awards include: BP Exploration and Production's Upstream Innovation Award 2000, the Minerals Management Service (MMS) Corporate Leadership Award, and nomination for the Offshore Technology Conference 2003 Distinguished Achievement Award.



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