

The Canadian Hydrographic Association
Association canadienne d'hydrographie



NEWSLETTER

*** July/August 1994 ***

Vol. 8, No. 4

Canadian Hydrographic Association

Central Branch

1994 Executive

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Please note: on 4 October 1993 our area code changed from (416) to (905)

Central Branch Committees

Membership/Nominations/Elections

Terese Herron, Jon Biggar, Jennifer Campbell.

International Members

Terese Herron, Andrew Leyzack, Larry Robbins,
Sam Weller.

Lighthouse

Terese Herron, Chris Gorski, Sam Weller.

Social Events

BBQ: J. Campbell, Jon Biggar, Chris Gorski.
AGM: S. Hinds, J. Biggar, J. Campbell, T. Herron.
H2O: Brad Tinney, Brian Power, Dave Pyatt.

Seminar

S. Hinds, C. Gorski, A. Leyzack, K. McMillan.

NewsLetter

Sam Weller, Jim Berry, Chris Gorski,
Terese Herron, Andrew Leyzack, Larry Robbins.

Wade Essay Award

Andrew Leyzack, Sean Hinds.

Heritage Launch

Sean Hinds, Jim Berry, Andrew Leyzack,
Ken McMillan, Brian Power.

Message from the National President

Sailing (or is that rowing) on a sunny, Sunday afternoon — the tune continues as does your heritage adventure into history and the fantastic recognition that you, individually and collectively, bring to hydrography, to the CHA, and to Central Branch. While I know that your weekend schedule is filled with *Surveyor* events, it was great for Susan and me to have the opportunity of joining with you after your participation at the Prescott Loyalist Days and share a campfire (ah, what kind offers of Morgan and chile).

I'm likewise extremely pleased to announce for Barry Lusk, CHA Student Awards manager, that Ms. Heather J. Langill, a student at the College of Geographic Sciences in Lawrencetown, Nova Scotia, is winner and second recipient of our CHA Student Award. Heather, who will be receiving the \$ 2,000.00 cash award and a handsomely framed certificate, will as a requirement of the award's procedure be submitting for publication in the fall issue of *Lighthouse* a short note of appreciation. She is enrolled in the Survey Technology program at the college and working for the summer in the Northwest Territories. While this is the second award going to COGS, the applications reviewed from University Laval and Limoilou were extremely close and caused great consternation for the Student Awards Committee.

I would like to extend not only my congratulations to Heather but also my appreciation to Barry and his Student Awards Review committee (Tony Mortimer and Rob Hare) for their excellent and timely efforts in this worthy CHA initiative.

On a closing note, Tom McCulloch has been notified by the Management for Change Program of CIDA that the third and final phase of the assistance training program to Malaysia has been approved. Included in this phase is the training of Malaysian instructors in Canada, the provision of Canadian instructors and equipment to the Technical University of Malaysia (UTM) to establish a regional centre of training in hydrography, and the providing of Canadian advice in the process for UTM through the IHO/FIG Standards of Competence Advisory Board to attain a Category A accreditation.

It seems that wherever you turn in our association people, our people, are doing things that benefit hydrography — gives you a good feeling, doesn't it?

Have a safe and fun summer.

Dave Pugh.

Notes from the Branch Vice-President

Summer is quickly disappearing and autumn events will soon be underway.

Our Heritage Launch has had a busy season travelling around Southern Ontario with her crew. We have been to Prescott, Hamilton, Penetanguishene, Collingwood and we will have the launch on display at the Port Credit Boat Show August 26-28. Brian, Andrew, Julia and Sean have written about these events and this NewsLetter feature is found on pages 3 & 4. A special thanks to all volunteers for their time and efforts in making all these events a success and thank you Julia for contributing to our newsletter.

Surveyor continues to be well received wherever she goes, and along with other ships and launches plays a role in bringing our history alive and into the thoughts of many adults and children. The display at Discovery Harbour in Penetanguishene was excellent, with both the old and the new methods of hydrographic surveying being presented. Thanks to Ken Hipkin (Canadian Hydrographic Service) for his efforts.

Seeing the early methods of hydrography alongside the new methods used by the CHS enlightens many people about hydrography and their heritage.

As you may have noticed, *Lighthouse* is behind schedule. The journal should be out in the next few weeks, in the interim steps are being taken to ensure that the fall edition is published on schedule. Anyone having a paper they would like to submit for publication or any news items or advertising please do so as soon as possible.

Our next branch meeting will be held September 21st, and nominations for the 1995 branch executive will be opened at that time. The AGM will be happening early in December.

See you on the 21st!

— Terese Herron.

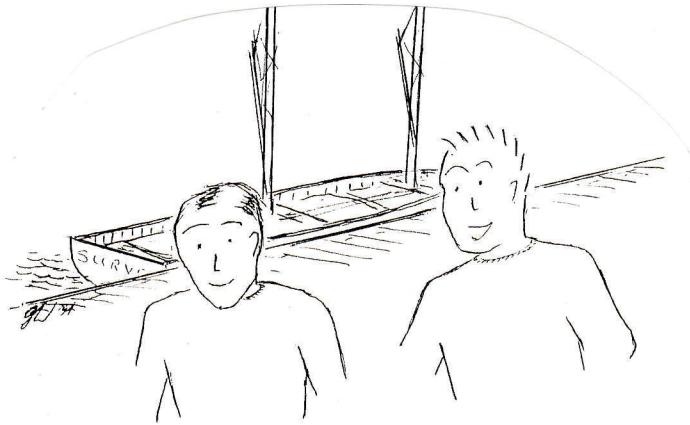
From the NewsLetter Committee:

As well as our regular Out-House column from Jim Berry and an update from Keith Weaver on the field activities of our In-House members, we have items reporting to you on the four main 1994 activities of our Heritage Launch. The launch was a really big undertaking for our Branch; the \$30,000. costs we were incurring during the summer of 1992 gave Sean Hinds grey hairs, but its 1993 summer program and its activities this year make it all worthwhile. This has been a memorable project for Central Branch.

Mark this on your calendar! Thursday 8 December is the Annual General Meeting of Central Branch. This is your annual opportunity to make your voice heard, to keep up with your fellow members, and to have an interesting and tasty evening out.

"This has been fun!

Let's build another boat next year!"



News from the other Branches

Section du Québec V-P Bernard Labrecque was in Thailand on vacation in December and boosted CHA & Lighthouse while visiting the Thai Hydrographic Office. In March, some 30 members and friends visited a sugar bush to enjoy the fresh maple sugar treats, not to mention playing in the snow. Their third Carnet de bord [Boaters Log Book], updated to include more on the buoyage system, was out in time for the Montreal Boat Show. For the third consecutive year, CHA Quebec Branch had a booth at the Rimouski Expo-Nature. A prime spot, ideal for chart sales and to promote CHA.

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Ottawa Branch V-P Ilona Monahan says their annual picnic in June was a great family event, with "games for the young and not so young and BBQ'd burgers and hotdogs wonderfully cooked by George Medynski and John Warren from the E.C. unit. A baseball game was started by the big kids, and the little kids set out on a treasure hunt, but rain ended the picnic early. So the game was officially called due to rain, saving either team from losing." [Good planning, Ilona. We know some of those big kids.] Next is the September golf tournament, and then the annual Christmas luncheon. They are continuing the lunch time seminar series, with three so far this year and more to come.

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Newfoundland Branch V-P Frank Hall wishes to let the other Branches know that his Branch is alive and well after a quiet year or two. Recent strong interest in Branch activities by N.D.I. people and other related industries is very encouraging and membership has again begun to swell. They plan a well-attended General Meeting in late September, as a kick-off for an ambitious fall and winter program of activities.

Captain Vancouver Branch V-P Paul Sawyer, reached by cell phone in Prince Rupert, BC, is just back from a dredging study in Columbia. He says their members are busy in Vancouver and around the world, George Pugach (past V-P), for instance, on a gold mine project in Siberia, and Reg Labinsky on a project in Venezuela.

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Prairie Schooner Branch V-P Bruce Calderbank says their members are also busy world-wide; he has been doing QC work in the North Sea and Irish Sea and is now enjoying some well-earned R & R. He says Gerard Lachapelle has been working on GPS use in altitude determination for water level monitoring as well as being co-organizer of the KIS94 Conference. Elizabeth Cannon (the other co-organizer) has been working on GPS use in agriculture and aerial mapping. Other members have been working in Norway, Gabon, Vietnam, Canadian Arctic, NorthWest Territories, and NW BC. Ken Simpson has the travel record; he markets and provides project management services in Argentina, Cuba, Canada, USA, Alaska, Malaysia, Oman and Yemen.

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Pacific Branch V-P Rob Hare says their annual H2O curling bonspiel was swept away by an awesome twosome from Terra Surveys, the Vosburgh half of the team being absent. Second by one-half point was a five-member team... Their 24th Annual Hydrographic Invitational 9-Hole Golf Tournament and Barbecue, on July 22, was a blast; great prizes and awards but alas, no news on the scores. They are holding a contest for 1994 photos; categories are People, Wildlife, Scenery, Things, Black & White. Send in your 1994 photograph (max. of one per category) by November 1994.

Battle for Fort Wellington, Prescott
by Brian Power

On the July 16th weekend the C.H.A.'s launch the *Surveyor* and its crew of eighteen participated in re-enactments of the War of 1812 at Prescott, Ontario, as part of the town's Loyalist Days Celebrations. The weekend's activities were jointly hosted by the town of Prescott, National Parks of Canada - Fort Wellington, and the Canadian War Museum.

The Battle for Fort Wellington, 1814, involved a series of re-enactments that had the *Surveyor* crew attacking land forces in the battle of York the first day, which we won while flying the American flag, and the following day, during the battle of Chrysler Farm, we won again, this time under the British flag. By the end of the weekend the *Surveyor* crew were quite proficient in firing Flint-Lock Muskets and the launch's Cannon. Not forgetting our mandate, the courageous crew, under heavy cannon fire from Fort Wellington, managed to demonstrate early hydrographic techniques by charting the unknown waters directly in front of the fort.

We were delighted to be visited by a number of guests and fellow CHA Members from Ottawa. Marty Frederick and Boyd Thorson arrived early Saturday in full cycling attire (even though they drove their car down). Dick MacDougall and family arrived shortly thereafter and spent the day visiting old friends and absorbing the 1812 atmosphere. On Sunday Susie and Dave Pugh (CHA National President) arrived in time to cheer us on as the *Surveyor* charged into battle.

The weekend did not disappoint anyone; what a way to start our summer's busy agenda. The organizers did a fantastic job and there was a very large turn out. When it was all over Victor Suthren from the Canadian War Museum presented all the re-enactors with a specially minted commemorative medallion. A special thank-you to Harry Savile for the loan of his truck, without which we would not have been able to trailer our boat down to Prescott. Thank you, Harry.



Julia Duller and friends at Discovery Harbour

Aquafest, Hamilton
by Julia C. Morrison Duller

Aquafest is a festival at a waterfront park in Hamilton every July. This year it was on July 23 - 24.

The *Surveyor* was at the waterfront. It was towed from CCIW by John Dixon's boat on Friday. When we arrived on Saturday we went and had breakfast. The sailors rigged the boat and the children talked to some people in a houseboat. We went out in the boat, the wind was strong and the water was choppy. It was hard to row so we had to sail. It was our best sail ever and we went very fast.

When we got to the shore some of the sailors got out of the boat and went on to the beach to pull the boat in. Most of the sailors got wet when they tried to get out of the boat.

In the afternoon we had our picture taken in front of our period tent with a pennant that says "Surveyor" and then six soldiers got in the boat so it could take them to the battle re-enactment.

On Sunday I was not there so I interviewed one of the crew members and he said that Sunday was mostly the same as Saturday.

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The Atlantic Challenge, Penetanguishene
by Sean Hinds

Nearly 400 youths between the ages of 16 and 20, from around the world, will remember August 2 - 10, 1994, as the time Canada hosted the Atlantic Challenge. This event is held in a different country every two years and the competition consists of a number of challenges spaced over one full week. All the boats are identical and based on the Bantry Boat design and crewed by twelve to fourteen young men and women. The challenges are chosen to test both sailing and rowing skills as well as team work, finesse and presentation.



Surveying uncharted waters, c 1792

The crew and families of the *Surveyor* were camped in amongst this crowd of young people (us being old sailors) along with a group of families from the Timber Framers association. The Timber Framers were an impressive bunch, busily constructing a gazebo of large Norfolk spruce beams, to commemorate this event.

The *Surveyor* did not have a specific role in the Atlantic Challenge but we were invited to participate and to add our own personal flavour. Our presence was felt down by the water where we demonstrated our skills and told our tale of hydrography in Canada. Our heritage costumes were a complement to the heritage setting of Discovery Harbour.

It was exciting to witness the support and camaraderie that developed around these people from such diverse cultures. Canada should be proud to have hosted this event and created an atmosphere that brought French, Danish, Russian, Mexican, American, British, Puerto Rican, German, Canadian and more, together to share in praise and tears, in satisfaction and disappointment, in friendship and fun. The *Surveyor* and its entourage thoroughly enjoyed being part of this momentous occasion and will remember it always.

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Discovery Harbour, Penetanguishene
by Andrew Leyzack

The Launch *Surveyor* was close hauled on a port tack while a gentle northwest breeze broke through the haze and heat hanging over Severn Sound. It was the start of the Tall ships parade at Midland, the bay already full of spectators while ships such as the United States Brig *Niagara*, the Frigate *Rose* and Brigantines *Fair Jeanne* and *Playfair* threaded their way towards the viewing stands west of Tiffin Basin. A crackling public address announced our arrival, stating something about the *Bounty*'s Launch, while the Royal Marines fired a salute. Lacking wind power at this point, we smartly broke out our oars and pulled away from the procession. Far within the lee of the north shore of Midland Bay, only the tallest rigs were able to sail back to the open water of the Sound.

The sun had set over Magazine Island by the time we left our tow from Midland to row the last leg of our journey into Discovery Harbour (the Historic Naval and Military Establishments at Penetanguishene). Alongside the King's wharf were the armed schooners *Bee*, *Perseverance*, and *Tecumseh*, all of Penetang, and the U.S. Brig *Niagara* out of Erie Pennsylvania. Long Boats of various nations taking part in Atlantic Challenge '94 were drawn up on the sand adjacent the wharf. As *Surveyor*'s forefoot nudged the beach and the crew disembarked, it was like stepping ashore to the days of Lt. Bayfield, the resident Hydrographer-in-charge of the Georgian Bay surveys 170 years ago.

Over the course of the ensuing weekend, our crew became integrated with life at the Establishments as part of their "living history" program. The *Tecumseh*, Penetang's newest addition to the fleet, was officially commissioned as *Her Majesty's Schooner Tecumseh* on Saturday morning. In the afternoon, the *Surveyor* engaged on numerous short cruises began to draw quite a crowd at the wharf side. People were eager for a pull at the oars or reprieve from the sun in the shadow of the sails. These cruises set the pace for the days to follow. We introduced our launch and spoke of early hydrography while our willing visitors experienced, first-hand, the joys of rowing a one-ton boat.



Lesley Hipkin, Julia Duller, Jason Power, Ken Hipkin

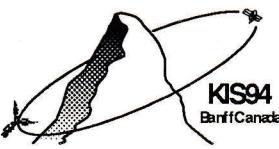
On Sunday, as part of an educational film on the War of 1812, the *Surveyor*, flanked by the ship's boats of the *Lord Nelson* and *H.M.S. Detroit* charged the beach under American colours only to be driven off by Marines of the Royal Newfoundland Regiment. Without giving up the ship, on our second attempt, we set our sails and with the wind at our heels hit the beach nearly striking the line of redcoats with our bowsprit.

As the author hoped, Monday morning saw a fresh SW'ly which beckoned us to sail in the company of the Longboats *Vitalité* and *Tenacité*. A most invigorating sail, it was an opportunity for us to fine tune our sailing rig, and with occasional gusts we clawed our way to the south past the outside of Magazine Island. The *Surveyor* was responding well to sails and helm when an unusually strong gust carried away our foremast. But without hesitation the crew hauled the tangle of spars and sails inboard. Under oars and mainsail we regained control making our way off the wind, back to harbour, the splintered stump of a foremast a reminder of what had happened in just a split second of time.

Completely derigged, we rowed *Surveyor* to her berth at the King's wharf, with oars neatly tossed in the air as we glided to a place under the stern of *Tecumseh*. Recalling this end to the weekend, I came to a sudden realization; the original *Tecumseh* was very much the sort of ship which may have tendered a launch like ours, engaged in those surveys of yesteryear.



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Branch Members on CHS Field Surveys

by Keith Weaver

Ah yes, mid-summer sun, heat, swimming, tall-ones... and still they expect us to work! Well this summer CHS is conducting two surveys plus a Revisory survey.

FIELD SURVEYS PROGRAM - 1994

Lake Huron Survey If you want to drop by the Lake Huron survey you'll find headquarters setup at Port Elgin Harbour. The HIC is John Medendorp, 2IC is Raj Beri, with hydrographers Andrew Leyzack, Tim Janzen and Peter Knight sounding in Hourston and Mackee launches.

They are positioning using Magnavox MX300 DGPS with one base station and two repeaters to cover the entire coastal survey area. Helicopter (shoals) are positioned by Trimble Pathfinder (differential).

Lac du Bonnet Survey The other Central and Arctic survey is on Lac du Bonnet, Manitoba. You'll find Paul Davies as the HIC and Ken Dexel, hydrographer, at their headquarters in Lac du Bonnet. They are running 3 launches positioned by Sercel DGPS.

Both surveys are using ISAH dataloggers, Ross 801 (portable) sounders and Raytheon SSD100 digitizers. Data processing continues to be done on VAX/VMS hardware using both Xwindows and CARIS and Tektronix graphics. More surveys are preferring to use VAXstation 4000/60 as the processor rather than the conventional VAX3100 due to its increased processing power and compact design.

Revisory survey Revisory has had a number of hydrographer/cartographers assisting in obtaining the field data. HIC, Arnie Welmers has been assisted by George Fenn, Sean Hinds, Paola Travaglini, Mike Johnston, and Mike Bennett and Dave Pyatt (electronics specialist) assigned to various tasks. They have been trailering a Hourston and Mckee equipped with Ross 801 (portable) sounders and positioning using Trimble Pathfinder (differential).

Revisory have visited various harbours on Georgian Bay, Lake Ontario, and Lake Erie (primarily from Sarnia to Montreal) to revise Great Lakes Sailing Directions Volume 1 for new edition.

Arctic Survey (Cambridge Bay) Another notable survey activity this year was the Arctic Survey in Cambridge Bay collecting bathymetric data using a Towed Inflight Bathymetry System (TIBS) and spot soundings using the Knudsen 320M echo sounder. The data was positioned by GPS using Magnavox MX300 satellite receivers and differentially-corrected using Novatel 2111R receivers at known Reference Stations.

Differential corrections were transmitted to each of 3 helicopters utilized on this survey. Al Koudys was the HIC, Terese Herron the 2IC andprocessor, and Ken Dexel the hydrographer. The TIBS contract was carried out by Geonex/Aerodat Inc., Mississauga, Ontario. Upon completion of this survey, TIBS extended its "northern exposure" by 3 weeks and collected more data in James Ross Strait near Spence Bay, NWT before returning home May 18.

Exchange Program Al Koudys is also going on exchange with Pacific Region's survey aboard the Canadian Coast Guard icebreaker SIR JOHN FRANKLIN beginning 12-Aug to 30-Sep. They will be transferring to another CCG ship, the ARCTIC IVIC, to survey in Victoria Strait, Dease Strait and/or James Ross Strait depending on ice conditions.

Jon Biggar and Arnie Welmers were assigned to a DREP survey in Alert NWT. Spot soundings were collected via snowmobile and helicopter with both KEL 320A and Edo 9040 sounders, positioned using Magnavox DGPS, and processed on a VAXstation 4000/60.



Julia Duller and other ladies.

Central Branch Summer BBQ, '94

by Jennifer Campbell

On Saturday, July 9, John and Cindy Medendorp hosted the CHA Annual Barbecue. A group of about 30 CHAers and their families attended this enjoyable social event. The Medendorp's large backyard and deck were an ideal venue — appreciated by adults and kids alike, but for different reasons.

The skies hinted at rain but instead delivered a cool breeze, taking the edge off a week-long heat wave. The food was also a hit, thanks to pot-luck offerings and the grilling skills of Brian and Sean. But for all these factors, it's the people who make this yearly event a success. Our sincere thanks to the Medendorp family for their excellent hospitality.

See you all again next year!



Jim Berry's column

Ten years ago this month, I received a letter from Dave Pugh, Vice-President, Central Branch, Canadian Hydrographers' Association, informing me that my application for membership had been approved. Also received a letter from John Dixon, Secretary-Treasurer, advising me that the 1984 membership fee was \$15.

How technology has changed so much in such a short period of time. When I took on my first summer job as a surveyor in 1961 with the Toronto Harbour Commission Field Surveys Division, we used copper cable, wood floats, and red flags to position our sounding boat. Now it's all done by satellite.

So much for reminiscing.

Hope you are having a profitable summer.

The Heritage Launch *Surveyor* is being well displayed this year thanks to the dedicated crew. My son Jeff and I were glad to be able to join the crew for the Tall Ships sailpast in Midland. It proved to be a very long day. Six and a half hours out on Georgian Bay sailing along with the fleet from around the world. A fund raising campaign will be underway soon to ship the launch back to the Bibby Boathouse this winter to be re-fitted with a wet-bar, head, galley, padded thwarts, lighter oars, a quieter cannon, stronger mast [!], figure head, and an inboard motor. How about a tow behind an outhouse shaped like an 18th Century schooner? It was a great experience and we were sorry we couldn't stay longer but Editor Sam was after me for a column.

We got a call from John Halsall, of John Halsall Hydrographic Surveys. He is off to the South China Seas for a six-month contract. Hope to get a card from him soon so I can pass along more information on his assignment.

Guenter Bellach dropped me a note. He was able to land a job with a company in Phuket, Thailand. "It is not exactly what I have been trained to do, but it should be quite a challenge." Guenter will be General Manager of Phuket Universal Services Limited, a company providing services as customs brokers, air freight and sea freight, and international courier services. "There is also a small component of land and mineral resources development, which is more in the line of what I know best," he reports. Best of luck, Guenter.

Our thanks to Ron Dreyer for taking the ad-spot this time; the \$50. helps cover the postage for the NewsLetter as well as keeping us up to date on things.

Keep those cards and letters coming in.

*** SPECIAL EVENT ***

Thursday 8 December 1994: CHA AGM.

The Annual General Meeting of CHA Central Branch.

Mark your diary in big red letters. More details later.

Lighthouse Edition 49

The Spring 1994 Edition of Lighthouse is almost ready. If, perchance, you haven't sent your 1994 dues yet [\$30. or equivalent in £ or US dollars], please do so PDQ and your Lighthouse will be on its way to you very soon.

Bruce Richards, Lighthouse editor, is on the lookout for articles; if you or your colleagues have done interesting things lately, your own journal is a good way to share it with the hydrographic community.

There are annual prizes of \$100. for the best technical and non-technical articles, and a sterling silver Lighthouse lapel pin is awarded to first-time authors.

Next CHA Central Branch Meeting

The next general meeting of Central Branch will be at 19:00 on 21 September. Location: 5 Wakefield Lane, Waterdown [The Herron Residence]. After the business agenda, our speaker is Angus Armstrong, a dive officer with the Metropolitan Toronto Police Marine Unit. Constable Armstrong will be giving us an illustrated talk on the Toronto Marine Unit and their diving investigations as well as safety on the water. The meeting includes our social time with beer and pizza.

Ron Dreyer, CHA member for several years now, tells us that *R. Dreyer and Associates* is now in partnership with R.W. Marsh Engineering, as *MDA Engineering*, offering consulting in planning, design and project management of civil, structural and environmental work as well as hydrographic surveying, terrain modeling and environmental assessments. They offer engineering services for urban commercial, industrial and residential projects as well as infrastructure rehabilitation, highway and bridge engineering.



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