

The Canadian Hydrographic Association  
Association canadienne d'hydrographie



# NEWSLETTER

\*\*\* June/August 1991 \*\*\*

## Canadian Hydrographic Association

### Central Branch

### 1991 Executive

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## Central Branch Committees

### International Members

Sam Weller, Sean Hinds, Larry Robbins.

### Launch Replica - Ad hoc

Ken McMillan, Jim Berry, Dennis St. Jacques.

### Lighthouse

Sam Weller, John Dixon, Terese Herron, Sean Hinds, Al Koudys, Brian Power, Keith Weaver.

### Membership/Nominations/Elections

Keith Weaver, Terese Herron, Al Koudys, Ken McMillan.

### Newsletter

Sam Weller, Jim Berry, John Dixon, Sean Hinds, Brian Power, Larry Robbins, Keith Weaver.

### Seminar

Brian Power, John Dixon, Ken McMillan.

### Social Events

Sean Hinds, Jim Berry, Terese Herron, Ken McMillan, Brian Power.

### Wade Essay Award

Terese Herron, Sean Hinds, Keith Weaver.

Message from the National President

I'd like to pass on some general "housekeeping style" CHA notes. As you know, the 1991 Annual General Meeting and Directors' Meeting were held during the hydrographic conference in Rimouski. Attendance was minimal at the AGM, but the proxies carried by the Branch Directors totalled 132 therefore we were able to carry on the necessary Association business.

The Directors' Meeting, held in 2 sequential sessions prior to the AGM, was productive and enjoyable as 6 of the 8 Branch Directors were able to be in attendance. I would like to express my appreciation to employers, Branches and the CHS for the support which was provided for individual Directors.

Minutes from these two meetings will be available from the Branch executives and will be published in the Fall '91 issue of Lighthouse.

One item from the Directors' Meeting which would benefit from your input is a topic for a CHA workshop to be held in 1993 in conjunction with the hydrographic conference. Background work on the mechanics of the workshop have been initiated and the topic selection will be required by spring '92. Please give this some thought and pass your ideas to your executive.

The CHA/CIDA-supported training program is going well, both in Jamaica and Malaysia. Mr. Mike Woods (CHS, Pacific) is currently in Jamaica delivering lectures, and Willie Rapatz is taking over from Tom McCulloch as Project Manager for this program.

Concerning Malaysia, Commander Hamdan Bin Othman of the Royal Malaysian Navy appreciated

the opportunity to see the cartographic units in CHS Burlington and CHS Ottawa. Three other staff from Commander Hamdan's unit will be at CHS Pacific during the fall of 1991 for on the job training in basic cartography. During this same time frame a 6 week advanced hydrography course is being offered in Malaysia. This course will be given by persons from the *Universiti Teknologi Malaysia*, the Malaysian Department of Survey and Mapping, the Royal Malaysian Navy, and two Canadian instructors. CHS is providing some support for this course.

And on the local scene, I had the opportunity to speak at Erindale College to Admiral Kapoor's course on Maritime Boundary Delimitation. While I lectured, Terese Herron and Keith Weaver of Central Branch attended the graduation wine and cheese reception as our CHA representatives. With assistance from CHA and CIDA, Mohammed Zaki bin Mohd Ghazali of the Malaysian Department of Survey and Mapping was able to take part in this course.

The positive profile which these training programs provide to the CHA, nationally and internationally, speaks well for our Association. I'm sure we all appreciate Mr. McCulloch's past and continuing efforts in this regard: without his splendid efforts these programs would never have got off the ground.

As you can see things are generally going well with the CHA, I hope the same can be said for you.

Regards, Dave Pugh.

Notes from the Branch Vice-President

Half-way through another field season sure reminds one how short the summers are. I have had my faith renewed in the potential beauty of central Canada's Great Lake system this summer while being fortunate enough to work on the Bruce Peninsula shore of Lake Huron. Clear waters and lots of untouched shore - like they say 'discover Ontario'.

Some updates on CHA activities may be of interest:

The Central Branch has made a formal request to the 1993 Conference Planning Committee to hold a CHA workshop in conjunction with this event.

The Ad Hoc Committee studying the Historic Replica Launch proposal will soon have its facts to present to the members.

The CHA summer BBQ is a go thanks to JoAnne and Bruce Richards and will be held on a Saturday in September to make it easier for field personnel to attend.

Hope to see you then.

- Sean Hinds.

Our deepest sympathies are with our colleague and friend Danny Mahaffy and his wife Debbie in the recent frightful loss of their daughter Leslie.

No words can lessen the sorrow but our hearts are with you and Ryan in your grief.

#### News from the other Branches

Newfoundland Branch V-P Keith Renouf reports little CHA action at the moment, but they hope to have a summer social event. Several of their "private" members are eagerly working on the offshore Hibernia Project (McElhanney), and Keith says Geo-Resources also have their hydrographic foot in that door. Since the de-commissioning of CSS Maxwell and having already had CSS Matthew transferred to Atlantic Region of CHS, their CHS people are without any major survey vessel this year but are still kept busy.

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Prairie Schooner Branch V-P Frank Colton says most of their members are very busy this summer [praise be!] except for Bruce Calderbank who is nursing a bad ankle. The Branch had a luncheon meeting in April at the Rose & Crown, Calgary, and they held a Reception at the Calgary Chamber of Commerce during the CISM Conference in May for visiting CHA members. Dave Pugh (our National President) and Ross Douglas (Dominion Hydrographer) were both at the Reception, and hospitality was in fine hydrographic tradition. Like, it flowed. Incidentally, PSB have produced a line of fine CHA sweat shirts: white Fruit of the Loom with a full-colour CHA logo. A few still available at \$25. Sizes M (38), L, XL and XXL.

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Ottawa Branch V-P Sheila Acheson tells of a Branch Picnic at Mooney's Bay in June. This was well attended and honoured by the presence of Brian Morrissey, DFO ADM. They also had two Luncheon Video Seminars in June: "19th Century Mapping & Charting in the Holy Land" and "4,000 Years of Archeology in Jerusalem". For early fall they've lined up a series of six Luncheon Video Seminars using the six-part film series "Shape of the World".

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Section du Québec V-P Bernard Labrecque says they officially inaugurated their CHS chart dealership at the April Hydrographic Conference and had the CHA booth on display there and at Expo-Nature. They are now also official dealers for EMR topo maps (a useful source of Branch revenue), employing a summer student under a local initiative program. Summer activities are now winding down, to resume this fall.

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Atlantic Branch There were no elections here this year due to local administrative difficulties so the Branch is being administered by the CHA National Executive. The Spring 1991 Edition of Lighthouse was sent to each of the 81 Branch members along with a letter from the National President. We hope the local members will respond to his invitation to become involved and that Atlantic Branch activities will soon resume.

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Pacific Branch V-P Carol Nowak is away on field duty as are virtually all their members so they did not manage a summer BBQ this year. Ron Bell, pitch-hitting, says their Bonspiel this spring went well and they plan a joint social meeting with the local CISM Branch in the fall. This will be their Umpteenth Annual BBBB [Beer, Beef, Buns & Bellowing Bash].

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Captain Vancouver Branch V-P George Pugach says he's happy to report renewed member interest at both their 1991 meetings, with near record numbers. Warren Williams (with PWC) gave a seminar/demonstration of their Polar-Fix system. Warren later spent some time in Hawaii and then managed to get to the Hydrographic Conference in Rimouski. George Pugach attended the AGM & Conference at Rimouski, then went windsurfing at Cape Hatteras. They plan a Branch End-of-Season Social meeting for September.

From our International Correspondent

"Mad Dogs and Englishmen go out in the Mid-day Sun" ... the first line of a well-known song which affectionately mocks the English for their penchant for playing cricket when the sun is beating mercilessly down and all sensible people have fled. The English summer this year has been non-existent, indeed it has apparently been the coldest, wettest June since 1649. At least, though, the Global-warmers have gone a little quieter recently and the British water table is struggling back to something approaching "adequate".

I now have a much better appreciation of why the British have such a pre-occupation with weather, so why introduce a column in a hydrographic newsletter this way? Answer... In March I was once again invited to umpire the annual Racal/RN (H Branch) cricket match and though knowing no more about cricket than I did last year but with pleasant memories of a June evening in the sun, amber liquid, bonhomie etc, accepted with alacrity. You have guessed it. I FROZE - except when back in the pavilion sheltering from the rain!! I do not think I could have been very much colder at an H2O Bonspiel meeting (whatever one of those is!). I then spent two days in bed with a bad chill. This goes to prove two things:

- (a) There is no fool like an old fool.
- (b) The British and their addiction to cricket are unfathomable, to coin a hydrographic expression.
- (c) When called upon to write a regular newsletter column one may have to pad it out a little if one's members are not too forthcoming with news and views!! (I know that is three things but I never was too good at sums.)

My time in the UK is drawing to a close as the Racal 960 development project moves towards trials. Until I get settled back into New Zealand, if you do have any items of news to impart, please send them to Sam Weller who will pass them on.

Best Wishes go to JOHN POINTON who has taken up a position with Del Norte in the USA (sorry, I missed John before he left and do not have definite details). I believe that Mrs. Pointon hails from the USA and it has long been John's ambition to return there and to flee from the dreaded British poll-tax. Good luck in your new position, John.

MATTHEW SMITH has now been initiated as ARICS and may be seen proudly wearing the RICS tie. Congratulations, Matthew.

Whilst KARL KIENINGER did not manage to get his photo in the April Hydrographic Journal his wife, who had bravely taken to the floor for a spirited

dance with Santa (aka Admiral Steve Ritchie) during HYDRO 90 at Southampton did. Mind you, she is much better looking than Karl but nonetheless it was good to catch up with them both there as well as to talk again with our National President DAVE PUGH and his wife. Good to see you, fellas. Will you make it to Sydney (the Australian one) in December?

The Tongan Defence Services have recently obtained a new patrol/hydrographic vessel: the V.O.E.A. SAVEA. She is to be commissioned in July but I do not have any other information - can anyone help? Perhaps 'ETUENI TUPOU, an International Member in Tonga, could tell us something about their new vessel?

Talking of South Pacific survey vessels, HMNZS MONOWAI, the RNZN's principal survey ship is to visit Sydney for the Australasian Symposium early in December. I hope to be there with her and invite any members who are attending the Symposium to contact me there (If I don't make it, I am sure that the officers will make you very welcome anyway in true New Zealand fashion!)

In closing, may I add that it is the personal touches that make membership in the CHA particularly special. My thanks, and those of our International Members, to the person who selects and licks the variety of Canadian stamps that go onto each mailing of Lighthouse etc. I am sure that the stamps always find their way to someone who appreciates them even if the CHA member himself does not collect them.

- Larry Robbins [Commander, RNZN].

**ADVANCE NOTICE**

**MARITIME BOUNDARY SEMINAR**

A two day seminar on the technical aspects of the Law of the Sea, sponsored by the Association of Ontario Land Surveyors and the Canadian Hydrographic Association, is to be held at the Erindale Campus of the University of Toronto November 5 and 6, 1991.

The seminar will address the technical issues pertaining to offshore boundaries and the problems encountered in delimitation between nations including a review of the International Court of Justice.

Numbers will be limited.

Telephone: (416) 828-3862

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Branch Members on CHS Field Surveys

by Keith Weaver

This year's CHS surveys were deployed in the first week of May and are expected back by mid September.

Their locations: Lake Ontario Survey at Waupoos near Picton; Georgian Bay Survey based in Port McNicoll; and the Lake Huron Survey working out of Stokes Bay on the Bruce Peninsula (but astutely managing to have accommodation near the flesh pots of Wiarton). Of course the Revisory Survey is hopping around Southern Ontario and has completed investigations at Bronte, Port Dalhousie, Port Dover and Goderich.

And what exciting things are these fellows up to? Well, the Lake Huron Survey will be collecting data to compare and enhance a simultaneous LIDAR survey in their area. They have also completed a calibration of Loran-C on Lake Simcoe. Lake Ontario Survey will be collecting data for new charts while the Georgian Bay Survey, as well as collecting data, is expected to entertain ISAH trials later this season.

All surveys are supported with two McKee and two Hourston launches with the exception of Revisory (which is sporting two baby Bertrams) and the Lake Ontario Survey which has two additional Nelson launches for their offshore work.

All surveys are using Ross 801 or Ross Fine Line sounders with the major surveys using Raytheon digitizers. Data logging and navigation is accomplished with the Navbox and Targa bubble recorders, or in the case where Syledis is being used, the CHS-designed cassette loggers are being used. The Lake Huron and Ontario Surveys are positioning data with Syledis, supplemented by Motorola Mini-Ranger III, which is the main positioning system of the other surveys. Range-bearing work will receive the additional support of the Wild T1000 and T2000.



Two Men in a Boat, or The Compleat Hydrographer?  
(Dave Pyatt and George Fenn install a Syledis station)

DMUs include Micro Fix 100C, Wild DI2000/Wild T1000 and/or T2000 and Wild GRE3 and GRE4 data loggers for all surveys for the purpose of calibration, range-bearing and stadia work.

Field data processing is supported with MicroVAX IIs, Tektronix XN11/4211 color graphics terminals, 18"x24" Altek digitizing tablets, and an 8-pen Zeta plotter. The software is the Fortran-based Regional Field Processing System and CHS/CARIS on a VMS operating system.

So who are the CHA members that are manning these CHS surveys? The line up is as follows:

Lake Ontario

Jack Wilson, HIC,  
Brian Power, 2IC,  
John Dixon, Data Processor,  
Mike Powell, Hydrographer.

Georgian Bay

Paul Davies, HIC,  
Mike Bennett, Hydrographer,  
Ray Treciokas, Hydrographer,  
Andrew Leyzack, Hydrographer.

Lake Huron

Bruce Wright, HIC,  
George Fenn, 2IC/Data Processor,  
Jon Biggar, Hydrographer,  
Sean Hinds, Hydrographer,  
Dave Pyatt, Electronics Technician.

Revisory

Al Koudys, HIC,  
Ken Dexel, Hydrographer.

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Membership Report

Again this year we seem to have too many members late with their dues. Our next NewsLetter will have a full list of Central Branch and International Members in good standing [ie. paid up for 1991] so if we don't have your \$30 dues yet please get them to us PDQ...

We know that several of our International Members have rigid currency controls to contend with. If you are in this position please let us know. One solution when you expect this sort of delay would be to send your dues to us for the following year at the same time. Or let us know and perhaps we can make other arrangements.

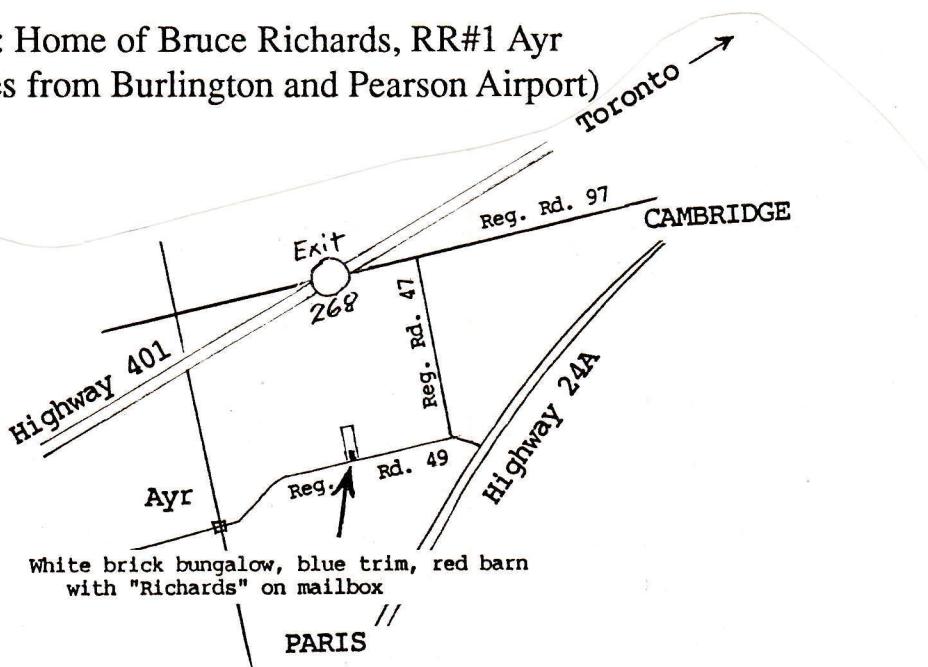
If we don't hear from you we have to assume you have lost interest. And your name will fade away...

**Canadian Hydrographic Association  
Central Branch**

**Annual Summer Barbecue**

Saturday September 21, 1991 - 14:00

PLACE: Home of Bruce Richards, RR#1 Ayr  
(45 minutes from Burlington and Pearson Airport)



**HOT DOGS and HAMBURGERS**  
(supplied by Canada Packers)

**Molson Canadian on Draft!  
Wine Supplied by the Weller Cellar**

Bring a salad (if you can), lawn chairs, baseball gloves, etc..

Weather permitting, we'll have a slo-pitch game in the pasture.

Please call: JoAnne Richards (519) 632-8633 or Beth Weller (416) 634-4089  
for salad coordination.

**HOPE TO SEE YA THERE!**

The CHA and its CIDA Projects

by Barry Lusk

*Each year the Canadian International Development Agency (CIDA) sponsors projects in many parts of the world as part of Canada's international aid.*

*One of the areas where Canada is in the forefront is hydrography, and CIDA has been happy to give substantial financial support to programs initiated and carried out by CHA. These programs, designed to help share our expertise in hydrography with smaller nations and coastal states, are fully in line with the CHA aims of advancing the technical and professional ability of hydrographers.*

*Barry Lusk is Past National President of the CHA, and since their inception in 1987/88 has been closely involved with the CHA/CIDA Projects and continues as CHA/CIDA Co-ordinator.*

The Canadian Hydrographic Association involvement in the CIDA-supported transfer of technology projects in Jamaica and Malaysia continues.

Our Jamaica Project has been extended for one more year which when completed in November 1991 will have provided three training projects in Kingston and will have provided an introduction to hydrography to approximately 36 students. Our third training class is due to get underway on July 15th. Our Pacific Branch member Mr. Mike Woods, P.Eng., was contracted to teach the course and both he and Tom McCulloch are in Jamaica at this time.

The year extension to this project was made possible by a \$62,000 grant from the Management for Change unit within CIDA to provide training and a \$35,000 monitoring grant from the Jamaica desk.

Tom McCulloch has maintained his interest and involvement in this project from the beginning but he would now like to be less involved. In order to accomplish this Mr. Willie Rapatz, recently retired Pacific Region (CHS) Tidal Superintendent, was contracted to manage the Jamaica project and he and Tom visited Jamaica in April this year. The purpose of this trip was to introduce Willie to the places and people that he would have to deal with in Jamaica. He was scheduled to return to Jamaica in July with Mike Woods but personal matters made this impossible. He will be once more involved in our September visit. Until then Tom has agreed to fill in. Our compliments to Tom for this involvement.

Our Malaysian Project is also flourishing. A Step 2 Hydrographic Program, supported in part by the Canadian Hydrographic Service, is scheduled to take place in Malaysia in September this year.

Our own National President, Dave Pugh, will be the CHS representative instructor on this course. Other Malaysian-related activities that are on-going include a recent visit by Commander Hamdan bin

Othman to Burlington and Ottawa. Our thanks are extended to Sam Weller for looking after Commander Hamdan while he was in Burlington and also to George Macdonald for arranging his visit to Ottawa. His visit to the CHS was planned in order that he could study our cartographic organization with the intention of heading up a like organization in Malaysia. A Maritime Boundary Delimitation course at Erindale College, under the direction of Rear-Admiral Kapoor also provided an opportunity for Malaysian participation. Further to this, three Royal Malaysian Navy personnel will visit Pacific Region of CHS in September and receive cartographic instruction. This training will last seven weeks. Malaysia has received and profited substantially from our assistance.

As you can see, your Association has been very busy and very successful in providing the necessary management of these two important projects. Our thanks must be extended to the active participation of Tom McCulloch, Mike Woods and Willie Rapatz and all the other CHA members over the past three years. It is my opinion that the CHA is never closer to its primary "reason for being" than it is when it is involved in these projects.

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*"I'm bringing the battery down for you now!"*



Jim Berry's column



To: Sam Weller  
NewsLetter Editor

From: Jim Berry

Subject: Out-House Column.

Thanks for the call last week to remind me that it was time for my article on what our Out-House members are up to this summer.

As I told you then, I have heard absolutely nothing from our faithfuls, and that I was heading away on vacation, chances of me coming up with something to write about was extremely slim. Your idea of thinking about it while I was away did not do any good either.

Elaine and I packed up the car with all our camping gear, the latest copy of "Lighthouse", the three kids, and of course our dog "Lady" and headed out in search of a story.

We drove for what seemed like forever on the hottest day of the year (no A/C in the car) heading for our destination of Sandbanks Provincial Park.

Along the way we kept our eyes peeled for anything that might inspire a story. Just outside Wellington, saw some people building a plywood outhouse. Yes, plywood. They even had the nerve to cut a crescent moon on the door. Who in their right mind would want to visit a plywood facility? Decided no story here, so we kept moving.

Finally reached the park. Only three camping sites left. Must be a popular place.

Pitched the tent, unpacked the gear, and checked out the facilities. A Ladies and Mens were within a one minute walk from the site. There must be a story here so we went to check it out. Slowly opened the door expecting a skunk or raccoon to come running out, but there was only a lot of spiders and mosquitos. We abandoned the idea of finding a story here and decided to walk the extra three minutes to the "comfort station" with flush toilets, hot and cold running water, and showers. I didn't know roughing it in the woods could be so in touch with the times.

The next day I decided to take a drive to see if maybe something would inspire a story. I dropped Elaine and the kids at the beach, and Lady and I headed out (dogs are not allowed on the beach). Drove past lots of fields of corn as high as an elephant's eye 'til we came to the quiet little town of Waupoos right on Prince Edward Bay. Lady and I stopped to stretch our six legs and look at the boats at the local marina.

Spotted some weird looking yellow boats. After a closer look, they turned out to be CHS sounding launches. Noted some trailers with the CHS logo on the side and went to investigate. Found some familiar faces: Brian Power and John Dixon, who were crammed in amongst all the computers and other assorted electronic gear, processing the field crews' findings. Doesn't anyone use a lead line anymore for sounding? I could have written my column about what the In-House were up to this summer, but decided maybe I should give up my search for an Out-House story and just enjoy the rest of our vacation relaxing.

So maybe, Sam, you could just run the picture of the you-know-what with a sign across the door saying "Gone Fishing" and leave the rest of the column blank. Maybe next issue I will have heard from someone and will have something to write about.

Have a good summer yourself and stay cool.

- Jim.

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*Thanks for your letter, Jim. Sorry you couldn't think of anything for your column....*

*But Ken McMillan did call and grab the ad-op. Says he gets a lot of fun for the \$50. it costs. Wonder what he means? He asked if you'd maybe devote your entire column to details of his exploits and survey work in Ontario and various Caribbean locales, and maybe mention a couple of McQuest's recent interesting side-scan projects. I told him No. Hope you don't mind.*

- Sam.

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