

The Canadian Hydrographic Association
Association canadienne d'hydrographie



NEWSLETTER

*** June/August 1995 ***

Vol. 9, No. 3

Canadian Hydrographic Association

Central Branch

1995 Executive

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Please note: our area code is (905)

Central Branch Committees

Membership/Nominations/Elections

T. Herron, J. Biggar, J. Campbell, J. Dixon, K. McMillan.

International Members

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

Lighthouse

T. Herron, J. Dixon, A. Leyzack, J. Weller.

Social Events

BBQ: J. Campbell, J. Biggar, S. Hinds, T. Herron.
AGM: T. Herron, J. Campbell, A. Leyzack.
H2O: J. Miles, B. Tinney, B. Power.

Seminar

S. Hinds, J. Halsall, K. McMillan, B. Power.

NewsLetter

Sam Weller, Jim Berry, Jon Biggar, John Dixon,
Terese Herron, Larry Robbins.

Wade Essay Award

Andrew Leyzack, Sean Hinds.

Heritage Launch

Sean Hinds, Jim Berry, J. Dixon, A. Leyzack,
Ken McMillan, Brian Power.

Message from the National President

Changes seem to be abounding within our association, changes that provide for a new opportunity, a new thrust and a new adventure. The three changes to which I refer are:

• **Change 1. - New Adventure**

"Surveyor" is sailing further afield "all the way down east" to Louisbourg, Cape Breton Island, for re-enactments during the July 28th weekend. This cruise, supported by the Canadian War Museum, I'm sure can be considered one of the denouements for the colourful living heritage that the "launch" volunteers have succeeded in performing since the project's inception five years ago. The appreciation and just rewards accolades that are being bestowed by the members of CHA and the general public on these hardy volunteers are well deserved. All the best, and may the wind and sea be with you.

• **Change 2. - New Thrust**

Lighthouse has a new interim Editor. While Terese Herron is well known, she and the Lighthouse Team of Rick Sandilands, Sam Weller, Keith Weaver, Jennifer Campbell, Paola Travaglini and Roger Robitaille plus a network of CHA Branch colleagues have a new look in mind for Lighthouse. A look which from what I've

seen will place our journal on a new plateau. That's the CHA, always moving – ahead.

• **Change 3 - New Opportunity**

It gives me great pleasure to share with you the news that Ken McMillan will be CHA National President for 1996–1998. With Ken's installation CHA will have the opportunity to be more solidly lead by a member of our association from the private sector (or, as more colloquially and endearingly known, the "Outhouse" membership). The drive and directions the new Board of Directors take will I'm sure continue to enhance the national and international activities of the CHA.

And providing only the latest and fastest breaking news I would like to add that Mr. G. Ross Douglas has accepted the position of President elect for The Hydrographic Society with his installation taking place at their fall AGM. All the best to Ross and Loretta and to our sister organization The Hydrographic Society.

Changes - the first three letters - CHA - only makes sense doesn't it !!

Have a safe and fun summer

Dave Pugh.

Notes from the Branch Vice-President

Announcing.....*Pocahontas the Legend*..... yes it is finally out on video (unfortunately it did not make it to the big screen). I'm told this movie, featuring *Surveyor* and crew members Brian, John, Keith and Bill, is available from Blockbuster Video. I do hope there's no stampede at the video store.

The Central Branch BBQ held June 24th was a great success, the weather was fine, the food was delicious and the turnout was fantastic (I'm not sure but I think it may have been the best attended BBQ yet). I would like to thank Jennifer and her committee, Jon and Sean, for all their efforts as well as Lucy Krucko and Chris Gorski for hosting the BBQ.

I would like to offer this Branch's congratulations to Ken McMillan. He will take over the position of National President of CHA in January 1996. Ken has been a long-time member of this branch and has served on our executive for several years.

Coming up on Wednesday September 27th is our third business meeting of the year. At this meeting nominations will be opened for your 1996 Central Branch Executive. This meeting will be held at the Power residence (see notice later in this NewsLetter).

As the summer begins and members are enjoying their vacations, I hope everyone has a relaxing and safe holiday. I will be escaping this heat and heading north to Resolute and the east coast of Baffin Island early in August, returning in mid September. Sean Hinds will look after V-P business while I'm away.

Keep cool,

– Terese Herron.

From the NewsLetter Committee:

This summer edition of our newsletter brings you columns contributed by our regular writers Jim Berry, Keith Weaver, Dave Pugh (our National President), Terese Herron (our Central Branch V-P), and a letter from Gary Chisholm for our International Column, and items from Ilona Monahan (Ottawa Branch V-P) and Rob Hare (Pacific Branch V-P). Thank you all. With your help this newsletter does a great job of keeping our members in touch.

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Mark this on your calendar! Thursday 7 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.



News from the other Branches

The Section du Québec, and the Newfoundland, Prairie Schooner and Captain Vancouver Branches are still going strong but we were unable to get reports from them in time to include here. We still hope to hear from the respective V-Ps and plan to include their reports in the Fall NewsLetter.

Ottawa Branch V-P Ilona Monahan and Pacific Branch V-P Rob Hare both sent us great reports on recent activities in their respective Branches. Their reports are so interesting that we had trouble picking out one or two highlights so we decided to share them with you unabridged:

News from Ottawa Branch of CHA
by Ilona Monahan

Ottawa Branch has hosted several well attended lunch time seminars this spring and summer.

We started out on March 17 with Bill Crawford, a Pacific Region Physical Oceanographer, speaking about "Currents and Modeling for Navigation". Our next speaker was Mike Eaton from Nova Scotia who lead an informal discussion of the "ECDIS Presentation Library" on March 30. On April 19, Peter Kielland gave a very interesting talk about "Using DGPS to Measure Heave Motion of Survey Vessels".

Ottawa Branch of CHA also hosted two seminars in June, the first on June 14, where USL gave a demonstration of PC CARIS for Windows, and our latest one on June 28, given by Sirius Solutions Ltd, who presented their SEE-BED visualization and editing software for hydrographic data. This interactive demo was well attended, and we were pleased to see new faces in the crowd as well as our regular people.

Ottawa Branch held its annual picnic at Vincent Massey Park on June 29. Approximately 50 members and their families and friends showed up, and this year the weather gods were smiling on us; not a drop of rain fell. (Those who attended 1994's picnic will remember when the heavens opened, and the rain waters formed a new river around our band shell. Thank goodness there was high ground to retreat to!)

A special thanks goes to Richard Horrigan who again this year organized the kids' games and scavenger hunt. Both young and not-so-young competed for prizes and candies. The adults' baseball game was declared a tie, as members switched from one side to the other so often we were never sure which team was winning, but a good time was had by all participants.

Master Chef George Medynski cooked up a storm and we hope to persuade him to come back next summer when he is retired from the CHS.

It was particularly enjoyable to see so many of the recent retirees out and enjoying themselves. Hopefully we will continue to see our good friends who have now retired to lead lives of leisure coming out to CHA events.

Our next CHA event will probably be a golf tournament in September, and as always we will host a CHA Christmas Luncheon.

That's all the news from Ottawa Branch.

Our best wishes to you all for the summer.

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(Rob Hare's Pacific Branch report is on the next page.)

News from Pacific Branch of CHA

by Rob Hare

Our Branch has been quite active since our own H2O Bonspiel in February, and we're running the CHA photo contest again this year, our fourth. Photos will be judged at a wine and cheese social in early November.

We now have a CHA bulletin board at IOS [Institute of Ocean Sciences]. We put it on the wall across the hall from the CHA bookcase, which has back issues of Lighthouse, Geomatica, Hydrographic Journal and Resolution (the journal of the Maritime museum of B.C.). We also file copies of Pacific (Sounding Board) and Central Branch Newsletters. I trust that you have been receiving a copy of each edition—we receive yours regularly—thanx. On top of the bookcase, we now have displayed our H2O Bonspiel trophy and the CIG/CHA Beer Bun and Bellowing Bash trophy. This year's winners, for the record, were Carol Nowak, Ken Halcro and Doug Popejoy (for the former) and Ken Holman and Mike Bolton (for the latter).

We've had colour transparencies made of our "World's largest sextant". Carol Nowak is working on the papers for submission to the Guinness Book of Records.

Dr. Bill Crawford gave a lunch-time seminar at IOS in March on the North Coast currents project. Barry Lusk and Tom McCulloch gave a luncheon seminar at Glen Meadows in May on the CIDA [Canadian International Development Agency] Malaysia training project. A draw was held to help the subsidized (\$6.00 per member) lunch cost. Anne Ballantyne won \$36.00.

I attended the Director's meeting at National President Dave Pugh's house in West Carlton on 27th May. Minutes will be distributed to all Directors in the near future. The AGM conference call date has been set as October 4th at 08:00 Pacific time.

Most recently, we had our summer BBQ/Picnic here at IOS on 25th June. Although not too well attended (about 20 people), a good time was had by all adults, kids & dogs. The weather was gorgeous – hot sunshine and a nice cool breeze blowing in off Saanich Inlet.

We had a scorcher here yesterday, 30°C, beating the 1978 record of 26° for the 27th of June. It's supposed to cool down a bit by the weekend (predictably).

Anyway, I'm off on the *R.B. Young* to the North coast to ground-truth some ENCs. I hope the ECPINS is fixed in time. James Wilcox will be sending out our next newsletter in a couple of weeks. Carol Nowak will be fielding any CHA queries while I'm away.

Cheers, and have a great summer.

HYDRO '96

The Tenth Biennial International Symposium of the Hydrographic Society

To be held at Rotterdam
24th – 26th September 1996

Call for papers and invitation

Port and Coastal Hydrography has been chosen as the Symposium theme. Modern developments in ports and harbours will provide many papers of interest and will attract a large number of specialists from the international hydrographic community.

Looking at the theme of the Symposium, it is not surprising that Rotterdam, the world's leading port, was chosen as the ideal location for this Event.

Call for papers

Authors wishing to present a paper on one of the subjects related to the Conference theme should submit abstracts of 300 words maximum or one A4 page for evaluation. The presentations, which should take 20 – 30 minutes, can be either technical, managerial or policy related. Please indicate the interest group. Each subject will be introduced by a recognised authority who will also chair the session and the open forum discussion at the end of each session. In particular Port Authorities are encouraged to submit papers related to their port development or maintenance.

Deadlines:

Submission of abstracts:	1 Jan. 1996
Notification of acceptance:	1 Mar. 1996
Submission of full papers for Proceedings:	1 July 1996

Organising Committee HYDRO '96

Secretariat
c/o Oceanographic Company of the Netherlands
P.O. Box 7429
2701 AK Zoetermeer
The Netherlands
Attn: Mrs. P.Y. van den Berg

The International Column

Gary Chisholm, Product Manager, HYDRO and Precise Positioning Systems, with Trimble Navigation in Christchurch, New Zealand, sent us this item for the International column. Good job he did; Larry is so modest we might never have heard! Congratulations, Larry, from all of us.

New Zealand has recovered from the joy of winning the America's Cup. I was in Auckland helping with a GPS training course the other day and sighted the America's Cup firmly bolted in the display in the Yacht Club. It's cost a lot of people a lot of money but it shows what you can do with the right people and keeping them motivated, and a few million \$. Hopefully it will bring foreshore development work and a requirement for hydrographic services in Auckland in the near future. I believe a Hydrographic Office may even produce a new chart for the race area.

The Internet update: As we know there are all sorts of special interest groups on it such as tides, GPS, etc. And did you know that Larry Robbins (larry@nznet.gen.nz) and myself (gary_chisholm@trimble.co.nz) are on it? So let's hear from you.

Talking about Larry... he has been credited with rescuing several people off yachts in atrocious weather conditions last year while in command of Monowai. He received a Queen's honour in the form of an OBE [Order of the British Empire] for navigation skills in the South Pacific. The whole rescue was made into a documentary and screened on primetime TV. Any of us who have been offshore in a typhoon / tropical depression / or whatever you call real nasty weather know how hard it is to survive let alone mount a rescue operation.

Congratulations, Larry.

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News of our Members

Nick Emerson, originally from Brighton, UK, earned his Second Mate (Foreign Going) Certificate, serving as cadet and navigating officer with Shell Tankers, then continued his education with a B.Sc. (Hons) in Nautical Studies from Plymouth Polytechnic, a post graduate Diploma on Physical Oceanography at Marine Sciences Laboratories, North Wales, and his Ph.D. from Pacific Western University, California.

Since leaving Shell, his career has included experience as Senior Hydrographer with *Marine Investigations and Services Ltd.* of Wales, Manager & Chief Surveyor with *Offshore Environmental Systems* of Farnham, and several years as General Manager of *Irish Hydrodata*, Ireland. Nick is now with the Marine Department of the Hong Kong government.

Nick and Tina live in Hong Kong with two of their children; the rest of their family is in Ireland.



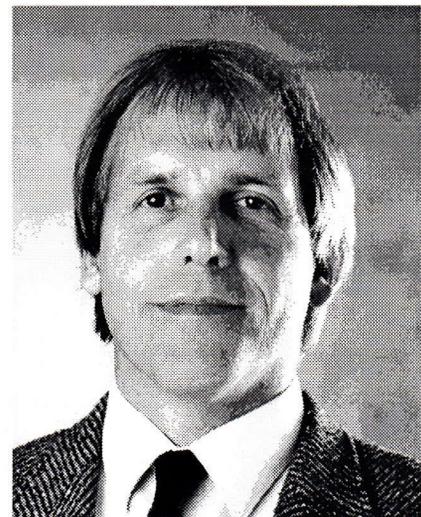
T. C. Sin, Dave Pugh and W. L. Tang share an anecdote at the Hong Kong hydrographic office

Nick Emerson recently sent us this snippet:

We had Dave Pugh [CHA National President] call by our office here in Hong Kong for a one day visit. I think our staff thoroughly enjoyed his tour of our fledgling office discussing our plans for boats, equipment and charting hardware/software packages — see photo.

That evening Tina (my wife), Dave and myself went off to our yacht club in the New Territories to hear a talk on sailing round Hong Kong by Jules Glibbery. She had spent three months exploring Hong Kong's coastline, islands and inlets in a 16 foot Bosun sailing dinghy.

Well, we had a great talk and slide show for half an hour on sailing round the Mediterranean! Then a great talk and slide show for half an hour on sailing down the Nile! THEN it was time for Hong Kong, at which point Jules said "Well, there's no point in telling you about Hong Kong because it is all in my newly published book and available tonight on special offer"! Bit of an anti-climax considering the talk was entitled "Sailing Round Hong Kong"! Anyway, Dave was kind enough to purchase a copy for us which now resides in our library, and full marks to Jules for her marketing.



Nick Emerson

Ode to Volunteers

by Sean Hinds

Yo ho ho and a nice cool ale.... these were the sentiments of a band of hearty CHA members as they gathered on the beach at the bow of the 'Surveyor'. The 'Surveyor' (and needless to say her crew) is happy to be afloat once again hoping to fill its sails with a fair breeze. Our launch had a wee refit in the boatshop of Gill Bibby, in Stoney Creek, with help of the hands of our Branch member Bill Warrander. Bill found his new love working on wooden boats after his departure last year from the lifeless heating ducts, boilers and others things that went bump and clang at CCIW.

With a new coat of paint and a minor re-alignment (crew member Heimo, chiropractor-at-large, should like that term) the 'Surveyor' was ready for its first event, July 22-23, at Hamilton's Aquafest '95. This is a large waterfront festival but we were most interested in the 1812 camp and re-enactment. Many friendships were renewed and others begun at the 1812 Kings Head Inn as this first outing of the year washed away the long winter drought (just from sailing that is).

This was an ideal warm-up for the grand event that takes place on July 28, 29, 30 at Louisbourg, Nova Scotia. I am proud to say that we have a total of 14 heritage re-enactors, made up of members and family, that have gone to Louisbourg to participate with our launch in this once-in-a-lifetime historical maritime event. They will re-enact the year 1745 which began the eventual destruction of the fortress at Louisbourg. This French colonial seaport was founded in 1713, captured by New Englanders in 1745, and again returned to French control just three years later. The ensuing peace was shortlived when in 1758 it was captured by the British who destroyed its fortifications in 1760.

Recognized for its key role in Canadian history, the Canadian Government undertook to rebuild part of historic Louisbourg. It is within these stone walls that 2,000 re-enactors will bring history to life as they cook by cast iron pot, sleep on straw beds under cover of white canvas, and with a little luck bring back the spirit of every tavern that thrived there long ago.

These members and all others like them who go that extra step, though they would not miss the opportunity to participate and contribute, should be congratulated for they do so at some cost to themselves. Our CHA is a volunteer organization that has much to be proud of. In times when life is full of little things that seemingly must get done, when the days and weeks seem to get shorter but the lists of to-dos seem to get longer, there is always a CHA member willing to take up the charge and get the task done. For those volunteers of the past, to those of the present, and to those of the future I share the poem "Volunteer Heaven" in hopes of giving you a little smile and inspiration.



Preparing to sail

Volunteer Heaven

(Author Unknown)

Many will be shocked to find
When the day of judgement nears
That there is a special place in heaven
Set aside for volunteers.

Furnished with big recliners
Satin couches, and foot stools.
Where there are no committee chairs
No group leaders, no car pools.

Telephone lists will be outlawed
But a finger snap will bring
Cool drinks and gourmet dinner
And rare feast fit for a king.

You ask, "Who will serve these privileged few
and work for all they're worth?"
Why, all those who reap the benefits
And not once volunteered on earth.



John Dixon, Keith, Brian and Sean

Branch Members on CHS Field Surveys

by Keith Weaver and Terese Herron

The 1995 Arctic Survey, based on Jenny Lind Island, Northwest Territories, battled weather during March. April was much brighter and by the 18th April 5,071 spot soundings and 411 gravity measurements had been collected and 10,291 line kilometres of Towed Inflight Bathymetry System (TIBS) had been flown. As a result 430 shoals were picked off for proposed Notices to Mariners action. The Towed Inflight Bathymetry System and the Knudsen Arctic sounders were used for data collection. Differential GPS, using Magnavox MX300 receivers in the helicopters and a Novatel receiver at the reference station, was used for positioning. The processing set-up included two VAXstation 4000/60's, one equipped with Central & Arctic Region processing software and the other with Aerodat processing software. CHA members on this survey included HIC Jon Biggar, 2IC/processor Terese Herron and hydrographers Andrew Leyzack and James Wilcox (Pacific Branch).

The 1995 Nottawasaga Bay Survey got underway on May 15 when staff joined the *Canadian Coast Guard Ship Griffon* in Collingwood. Three Hourston launches and one LFGB equipped with Magnavox MX300 receivers, ISAH navigation/data logging systems, Ross 801 sounders and Raytheon digitizers were used for data collection. Differential GPS was used for positioning, and processing was done on a VAXstation 4000/60 using Central and Arctic Region processing software and CARIS. By the end of the survey 5,844 line kilometres had been sounded, 639 shoals had been examined and 447 rock fixes had been taken. CHA members on this survey included 2IC/processor Al Koudys and hydrographers Terese Herron, Andrew Leyzack and Ray Treciokas.

Central Branch members Ken Dixel and Andrew Leyzack travelled to Resolute/Qaanaaq/Alert in support of a bathymetry/gravity survey of Nares Strait for the Geological Survey of Canada. Ashtec Z12 GPS receivers were used for positioning and Knudsen Arctic sounders for depths. Differentially corrected positions were achieved by post processing position data using Ashtec "prism" software.

The Lake Huron Survey moved its base to Kincardine and set up shop in mid June. This survey, completed at the end of July, used differential GPS for positioning with Magnavox MX300 receivers in the launches and a Novatel receiver at the reference station. Processing was done on a MicroVAX 3100 using Central and Arctic Region processing software and CARIS. This survey examined over 1,725 shoals. Both Ross 801 and Knudsen marine sounders were used on this survey, along with ISAH systems. CHA members on this survey were HIC John Medendorp and 2IC/processor Raj Beri.

The Rankin Inlet Survey left at the end of July for Rankin Inlet. This survey will be based on board the *Canadian Survey Ship Hudson*. Four P (Nelson) launches will be used for data collection. Differential GPS using Magnavox MX300 receivers in the launches and a Novatel receiver for the reference station will be used for positioning along with Elac sounders and STG721 digitizers for sounding. ISAH will be used for navigation and data logging. Processing will be done on two VAXstation 4000/60's using Central and Arctic Region processing software and CARIS. CHA members on this survey include HIC Paul Davies, 2IC George Fenn and hydrographers Ken Dixel, Tim Janzen and Paola Travaglini.

A one-launch survey based on the *CCGS Franklin* will get underway early in August. The launch will use Differential GPS/Elac sounder and digitizer/ISAH to collect sounding data at various locations including Allen Bay near Resolute, Broughton Harbour and Brewer Bay off the east coast of Baffin Island. Some data will be collected to evaluate and correct unknown-datum charts. CHA members on this survey are Rick Mehlman (Ottawa Branch) and Terese Herron.

Central Branch Summer BBO, '95
by Jennifer Campbell

We had a record turn-out for this year's CHA Barbecue, hosted by Chris Gorski and Lucy Krucko on June 24. Almost 60 people (including 20 children) enjoyed this annual social event. Chris couldn't host the BBQ last year because his deck wasn't finished... but we're glad we waited because this year it was the ideal party spot. The food, as always, was a big success. The pot-luck table of salads and desserts looked like it was catered, and once again, Brian Power and Sean Hinds were the stars of the grill. Thanks go to Chris and Lucy, their daughter Olivia and their very tolerant cats for the excellent hospitality.

See you all again next year!

Yes, Quite so!

"God, why did you make women so good looking?"
"So you would like them, my son."

"God, why did you make women so soft and cuddly?"
"So you would like them, my son."

"God, but why did you make them so darn stupid?"
"So they would like you, my son!"

— Bill McNeil, on CBC's Fresh Air

Jim Berry's column



So, what do you think of the new government here in Ontariariario? That P.C. guy from the west end of Lake Nippy Singh is sure movin' fast. First we had Rae Days, and now we're heading for No Days.

Any way, how's your summer so far?

We've gone through some restructuring. It seems everyone is doing it. Our Head Surveyor for the past 15 or so years, Richard Padmore, has relocated to our head office in Downsview to be a full time CADD operator. A former CHSer, Andrew Robertson, is Richard's new Supervisor.

Filling Richard's shoes is David Young. David is no stranger to the waterfront; he worked with us back in 1985 while attending Seneca College. Since graduation, he has worked for a number of Coastal Engineering companies. Don't worry, Terese; I'll get him signed up as a CHA Out-houser.

Working with Dave this summer is Nicole Van Beek and Brook Piotrowski, both Second Year Resource Technology co-op students from Seneca College. They have been an asset to our Waterfront Program this summer and we'll be sorry to see them go back to school come Labour Day.

It seems Elizabeth Simcoe (spouse of John Graves Simcoe, the first Governor of Upper Canada) and Joe Della Fave have a lot in common. Mrs. Simcoe spent many hours walking on that "sandy peninsula" enclosing Toronto's inner harbour. The peninsula breached in 1858, thus creating Toronto Islands. Joe has spent the past year as the Supervisor/Inspector for a major shoreline regeneration project at the easterly end of the islands. Elizabeth would have been proud.

Got together with CHAer Ken Richmond (of Kev-Tech Associates) a few weeks ago. He's been kept busy with an echo sounding project in the Oshawa area. Ken says he plans to retire in about 38 years, so book your projects with him early. His number is (905) 857-1175.

Another busy CHAer, Ron Dreyer (MDA Engineering), says the company merger a few years back has proved to be very successful. Ron's finishing up a dock wall stability survey in Toronto Harbour. Glad my old field notes helped, Ron.

Me? Well, I'm off to Maryland to recharge the run down batteries for a few weeks. Hope things will have calmed down a lot by the time I get back.

*** SPECIAL EVENT ***

Thursday 7 December 1995: CHA AGM.

The Annual General Meeting of CHA Central Branch.
Mark your diary in big red letters. More details later.

Lighthouse Edition 51

The Spring 1995 Edition of Lighthouse is now at the printer. If, perchance, you haven't sent your 1995 dues yet [\$30. or equivalent in £ or US dollars], please do so PDQ and your copy of Lighthouse will be on its way to you by return air mail.

Terese Herron, the new 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 Wednesday 27 September. Location: 2431 Cavendish Drive, Burlington [The Power Residence]. The business agenda includes opening Nominations for the 1996 Central Branch Executive. There will also be our traditional social time with [free] beer and pizza. Come and get acquainted with your fellow members.

Our thanks to Randall Franchuk for taking the ad-spot. He specializes in the highest quality inshore, offshore, and land survey consulting services, and total project management. Randall's main expertise is in the areas of offshore construction and seismic surveys, submarine fiber optic cable route and installation surveys, high resolution geophysical and hydrographic surveys, DGPS and acoustic positioning and vessel navigation. These services are available for domestic and international work, on project or long-term arrangement.

RANDALL J. FRANCHUK SURVEYS

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