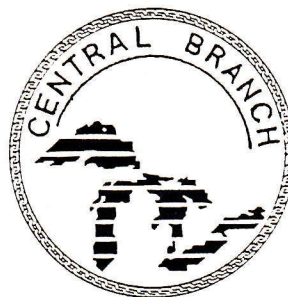


The Canadian Hydrographic Association  
Association canadienne d'hydrographie



## NEWSLETTER

\*\*\* July/August 1992 \*\*\*

### Canadian Hydrographic Association

#### Central Branch

#### 1992 Executive

Vice-President:	Sean Hinds	(416) 336-4846
Secy.-Treasurer:	Terese Herron	336-4523
Executive Members:	Jim Berry	(416) 392-9721
	Andrew Leyzack	336-4847
	Ken McMillan	639-0931
	Brian Power	336-4847
	Jennifer Thiel	336-4830
	Keith Weaver	336-4538
	Sam Weller	336-4732

#### Addresses:

Jim Berry  
700 Krosno Blvd.  
Pickering, Ontario L1W 1G3  
FAX: (416) 392-9726

Ken McMillan  
489 Enfield Road  
Burlington, Ontario L7T 2X5  
FAX: (416) 639-0934

#### All others:

Canadian Hydrographic Association  
P.O. Box 5050  
Burlington, Ontario L7R 4A6  
FAX: (416) 336-4819/8916

### Central Branch Committees

#### Social Events

BBQ: Andrew Leyzack, Jennifer Thiel.  
AGM: Sean Hinds, Jim Berry, Terese Herron.  
H2O: Brian Power, Terese Herron.

#### Conference Workshop

Terese Herron, Brian Power, Keith Weaver.

#### Lighthouse

Terese Herron, Sean Hinds, Jennifer Thiel,  
Sam Weller.

#### Conference Registration

Keith Weaver, Terese Herron.

#### Wade Essay Award

Keith Weaver, Terese Herron, Sean Hinds.

#### International Members

Sean Hinds, Sam Weller, Larry Robbins.

#### Seminar

Brian Power, Andrew Leyzack, Ken McMillan.

#### NewsLetter

Sam Weller, Jim Berry, Sean Hinds, Terese Herron,  
Brian Power, Larry Robbins, Keith Weaver.

#### Heritage Launch

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

#### Membership/Nominations/Elections

Keith Weaver, Terese Herron, Brian Power,  
Ken McMillan.

Message from the National President

Hydrographers seemingly have a "knack" for being at the leading edge of things, whether it was sailing to the new world in the 1500's with their "secretive carta" or combining new technologies to obtain "the required dataset". A dataset we know will always be in the most difficult location to survey.

Fortunately all this experience has placed us again at the leading edge of things, the transition of the data collecting, data processing and data presentation processes into a harmonious geomatic community. This "geomatic evolution" currently cresting through our sister survey and mapping associations emphasizes the multi-disciplinary approach to getting the job done that we have always utilized. A synergy from the combining of individual specialists, while retaining the individual's professional identity, to meet the required project objectives.

If you have the opportunity to discuss "the geomatic question" with other members of the survey and mapping fraternity you may want to, after some personal deliberations, expound upon how

hydrographers work every day. Talk about the diversity of professional disciplines that combine themselves to collect, process and produce a hydrographic product. Include, if you will, how enjoyable it is to be one within the whole.

Canadian hydrography has and continues to be on the leading edge of many innovations for use by the international hydrographic community. The incorporation of the geomatic process concept will enhance all our professional survey and mapping endeavours. Perhaps we might even find that someone else has already collected that most difficult dataset!!

**Geomatics: The science and technology of information management, including the acquisition, processing and analysis, storage, display and dissemination of temporal geo-referenced information.**

Regards,

Dave Pugh.

Notes from the Branch Vice-President

This has been an exceptionally busy summer from the CHA perspective. The summer months are usually quiet while most members are on field duty but the *CHA/CB Heritage Launch Project* and our involvement in the 1993 *Survey and Mapping Conference* has kept us on our toes.

The Open House for our Heritage Launch Project that was held on June 14th was a success. The event took place over the best part of a sunny afternoon with a good number of members, family and friends in attendance. Many of the members who were there came dressed in period costume that added greatly to the overall flavour. There were ample refreshments, a friendly duo playing some good ol' shanty music, and an opportunity for the major players (CHS - Earl Brown; Toronto Historical Board - Ian Vincent; CHA - Dave Pugh and myself) to voice their support for this project. I would like to thank all those whose efforts helped make the day such a success.

In spite of the poor weather experienced in this region over the past six weeks, the Project has advanced and has generated a good deal of interest from the community.

You will have noticed in the recent issue of Lighthouse that a Nominations Committee has been established for the office of CHA National President. I will ask all members to give some thought as to who may be a suitable and willing candidate for this office. The role of our National President may not be so prominent at the Branch activities level but it is of high profile and infinite importance to the CHA on the grand scale. This is not a task to be taken lightly but can be a fruitful and rewarding experience. Keep your minds open.

The Central Branch Summer BBQ is once again a September event, and if the weather keeps to its erratic course we may well be having our best days in September. Mark the 26th on your calendar and we will see you at Brian and Anna Power's for a day of fun.

— Sean Hinds.



From the NewsLetter Committee:

This is a good opportunity to voice some appreciation for those people who write for our newsletter.

This summer edition of our newsletter, for instance, brings you newsy columns from Jim Berry and Larry Robbins, and an update from Keith Weaver on the field activities of our In-House members. Sean Hinds, our V-P & Central Branch Director, gives us some news on the 1992 CHA Directors Meeting that was held in Ottawa in June this year, and Barry Lusk has a wrap-up report on our CHA/CIDA Projects. And Dave Pugh, our National President, has a word for us: "geomatics".

Thank you, Jim, Larry, Keith, Sean, Barry and Dave. Without your help there would be no newsletter. Thank you all.

And check out the full-page ad [by Jennifer Thiel] on the Welcome-back-from-the-field BBQ. This is the not-to-be-missed event of the year. See you there.

"Happy Birthday, NewsLetter!"



News from the other Branches

Ottawa Branch V-P Rick Mehlman announces that member Tim Evangelatos received the IHO's first *Prince Albert I Medal* for best paper published in the *International Hydrographic Review* in past 5 years. The Branch held a reception at Booth Street for Tim & his wife Nancy. Congratulations, Tim, from us all.

Their annual pre-Canada Day celebration picnic, held on June 30 at Mooney's Bay Park, was a great success. The organizer was Ralph Renaud who cleared the skies, literally just in time, so that all 85 members & friends enjoyed sunny weather. The elegant meal of burgers & dogs was prepared by master chef Renaud, assisted by Ron Lemieux and John Warren. Ilona Hilbert-Mullen organized children's games. Winning team for the scavenger hunt was lead by Sarah and Patrick Vachon, with support from Don Vachon.

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Newfoundland Branch continues active and had their election meeting early this spring. It seems that Derrick Peyton may have got elected V-P in absentia. Moral: never skip Elections meetings of your Branch...

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Section du Québec V-P Bernard Levesque tells of the Branch employing students under Provincially-funded programs to producing a *Boater's Log Book* to help safety concerns. The Log Book was officially launched at Expo-Nature in Rimouski and widely distributed to boaters in June during the Boating Safety week, with help from Sustaining Member *l'Institut maritime du Québec*. The Branch continues their chart dealership & information centre; again to promote safety and raise funds for their projects. This fall they will employ two people under an employment-assistance program to work on a second edition of the Log Book.

Prairie Schooner Branch V-P Frank Colton took some well-earned leave this summer and is now busy paying for it, he says. Their spring and fall meetings are generally held at the Rose and Crown in Calgary. Makes for interesting seminars and vigorous question & answer sessions.

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Atlantic Branch is temporarily being administered by the National Executive as there were no elections again this year due to the potential volunteers being busy with other things. Lighthouse is sent to each Branch member in good standing, and we hope that Atlantic Branch activities will soon resume.

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Pacific Branch Rob Hare (Secretary) says V-P Carol Nowak and most Pacific Branch members are out in the field — including the DD/EG conversion group. The weather hasn't been quite as nice as it was for their training, but some of the *converted* have returned from the field with tanned faces.

The annual IOS golf tournament was held in July; an event in which many CHA members often partake (imbibe?). The only CHA event on the books right now is a BBQ planned for Sunday August 16th. Several seminars and events are tentatively scheduled for the fall when those hard-working field crews return.

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Captain Vancouver Branch V-P George Pugach is in the throes of moving house. Warren Williams says their members are all out in the field hither and yon, eagerly enjoying this year's unaccustomed hot and sunny weather. [So that's where all our summer sunshine went.]



Board of Directors Meeting

by Sean Hinds

The 1992 Board of Directors meeting was held in Ottawa on June 6th with Quebec, Central, Prairie Schooner, Captain Vancouver and Pacific Branches represented. The usual items of accounts for National and our journal Lighthouse were presented and approved.

The CHA involvement with CIDA in Malaysia has reached its conclusion and at this time there is no plan to initiate any further training of this kind. The overall sentiment for the CHA/CIDA projects indicate that it was a worthwhile project that benefited all involved. Congratulations to Tom McCulloch, Barry Lusk and Dave Pugh who played lead roles on behalf of the CHA.

There was some discussion as to how we may better serve our Sustaining members and this has yet to be defined. The Directors recognize the potential for a more meaningful role to develop between the Association and the Corporate sector.

Barry Lusk presented a proposal to the Directors. This proposal was that the CHA sponsor a Student Award Program. The essence of this program is a cash award (\$2,000.) presented to a deserving student in the second year of a hydrographic-related program in a Canadian University or Community College. This is at the proposal stage but received great support from the Directors and serves well the goals of the CHA.

The CHA Workshop that will be held in June 1993 in conjunction with the *Survey and Mapping Conference* was discussed and things seem well in hand. The topic will be 'Geomatics in the Marine Environment'.

It appears that simple incorporation is not enough to protect Directors from liability and this issue was discussed with the intent that separate insurance may be obtained to protect any Director from liability.

In lieu of the ideal forum for the 1992 CHA AGM (ie. there is no national conference this year) it was suggested that the AGM be held by proxy and via a tele-conference call. Each Branch would establish a meeting place at a time coincident with other Branches coast to coast and we would be linked by the National President in Ottawa. This seemed the equitable solution so that all members would have the opportunity to participate.

I was pleased with the outcome of this meeting and feel the CHA has some excellent ideas that will take form in the near future. The minutes of this meeting will be available upon request.

The CHA and its CIDA Projects

by Barry Lusk

*The Canadian International Development Agency (CIDA) has given substantial financial support to programs initiated by CHA. These programs have been designed to share our expertise in hydrography with developing countries.*

*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 CIDA sponsored programs, which began in 1988, have almost concluded. The Jamaica project has been completed and during our involvement there we sponsored and conducted 3 training courses for about 27 people from the Caribbean states. Our Malaysian project received an extension from the Malaysian desk of CIDA to carry out a questionnaire which has now been successfully completed and analyzed. One more trip to Malaysia may be undertaken in December to discuss the results of the questionnaire with the Malaysian officials. When and if that takes place our Malaysian project will also be completed. This will be the end of our present CIDA relationship.

An interesting by-product of our CIDA sponsored projects is the management fee that accrued to us during this period. A total fee of \$27,000. was received from CIDA, and a further \$1,122.50 was a rebate returned to us by "Fairfield Travel", the travel agency I used for our projects' travel requirements. The money received during this time and with interest is now over \$29,700.

This money has been invested in a 5 year GIC and will finance "The Canadian Hydrographic Association Award Program" which was agreed to by the CHA Board of Directors at their 1992 meeting. The directors felt that this would be the most appropriate use of the money and would fulfill one of the CHA's primary professional objectives of fostering hydrography and its associated sciences in Canada. We hope all CHA members agree. Posters advertising this award will be sent annually to the educational institutes that agree to participate in this endeavour. I will also send a copy of this poster to all Branches for their information. I have been asked to manage the awards for the first few years and have agreed.

As our CIDA projects wind down I hope everyone sees the immense benefit that these projects have brought the Canadian Hydrographic Association. No other of our endeavours, in my opinion, have had the professional impact nor came closer to our "raison d'être" than these projects. We are indebted to Tom McCulloch for offering our Association the opportunity to participate and we should search for new "like" opportunities for the future.



From our International Correspondent

Greetings from a cold and wet New Zealand. It is cold enough to hibernate. Indeed, one would imagine that our members have all gone into their own hibernation since I have received a dearth of news which I can share. Even the usually prolific Gary Chisholm has been quiet - busy no doubt and that is as it should be! However, I guess it was ever thus with newsletter column writers!

My note about the minehunt off Auckland in the last newsletter turned out to be strangely prophetic, for no sooner had I got back to my (non-survey-related) desk job in Wellington than I was turned around and sent back to take charge of the search. In the month that I was with "Operation Orion" (named after a German minelayer which sowed its nasty cargo off NZ in the last war) the afloat team conducted a sidescan survey of about 30 square miles at 50-metre spacing and located some 3,800 contacts (many, of course, duplicates). My team sorted and categorized (on a best-guess basis) the contacts, entered them into HADLAPS (which though not designed for such a large database coped quite well) and sent the divers out to investigate a large number. I then left it to James Cook (I kid you not) to finish the job off and to write the report whilst the divers raised a couple of mines to check their condition. Fortunately they found that the mines were (as we had hoped) all rotten and that the explosive had decayed nicely. So, we have defined the area of the field, charted it, and are leaving it to the wide variety of marine life which have made the 400 mines and 400 mine-mooring blocks, their home.

I have now been posted to my shore job training young officers. I must have been the subject of a Chinese curse ... I am certainly living in "interesting times"!

Member Claus Christensen, Cdr RDN (Retd), Chief Hydrographer Saudi Aramco Hydrographic Survey, is "fully occupied" with new ventures popping up everywhere. His teams are busy with the KARAN 7, a 60-metre converted offshore support vessel surveying out of Ras Tanura in Eastern Saudi Arabia, and a 12-metre sounding craft called TARUT 6. They are mainly doing site-specific bathymetric surveys, pipeline route surveys and maintenance surveys for commercial ventures. Claus has 4 hydrographic surveyors, 3 hydro electronic technicians and a senior cartographer working for him at sea and a shore support and cartographic team which includes 3 surveyors and a geophysicist.

We hope to get some more detailed news "from the horse's mouth" for a future newsletter. Send all items of news/gossip/revolution etc to me at: 1 Varlene Terrace, Forrest Hill, Auckland, New Zealand 1310. Or call/fax me at: (+64) 9-410-2626.

I had a fax from Keith Weaver recently discussing Bouchette and his survey of Toronto Harbour. I subsequently looked it up in the library and whilst I found virtually nothing about Bouchette, I had a fascinating read about the early history of Toronto. I wish we overseas members could be more involved with the re-enactment project. Seems exciting.

Strange but true... from the Auckland Tourist Times: "Parnell is just a few minutes walk by bus from the Downtown Bus Terminal"... and from the Daily Telegraph (UK): "The Irish team is to be named yesterday" ... HONEST!

- Larry Robbins [Commander, RNZN].

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CHA Shirts

Good quality golf shirts and T-shirts with full-colour CHA logo are now available. The price is \$20. for the Golf Shirt (white or yellow) in sizes S, M, L, XL, and XXL. The T-Shirts are \$15. (with blue or purple edging) in sizes L or XL.

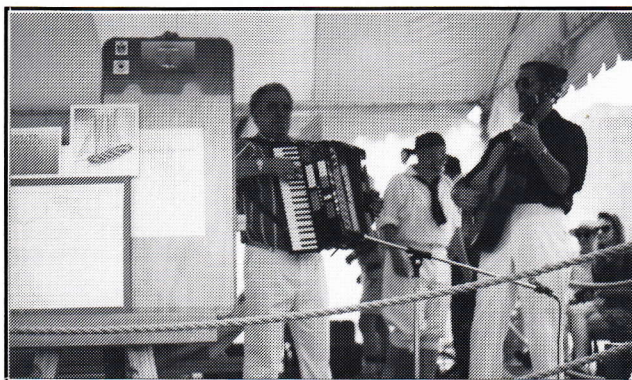
Orders are now being taken by Terese Herron. Please enclose cash with your order.

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CHA/CB Heritage Launch Project

As announced in the Special Heritage Launch Edition of the NewsLetter, the *CHA/CB Heritage Launch Project* had its official Open House at Harbourfront in June, and a replica of the launch used in 1792 to survey Toronto Harbour is now being built by Ian Morgan and volunteers as an educational celebration of our past.

As part of some vast eternal plan, virtually every weekend this 'summer' has been rainy, but work proceeds apace. More volunteers are always welcome, so come on down and be a part of history in the making.



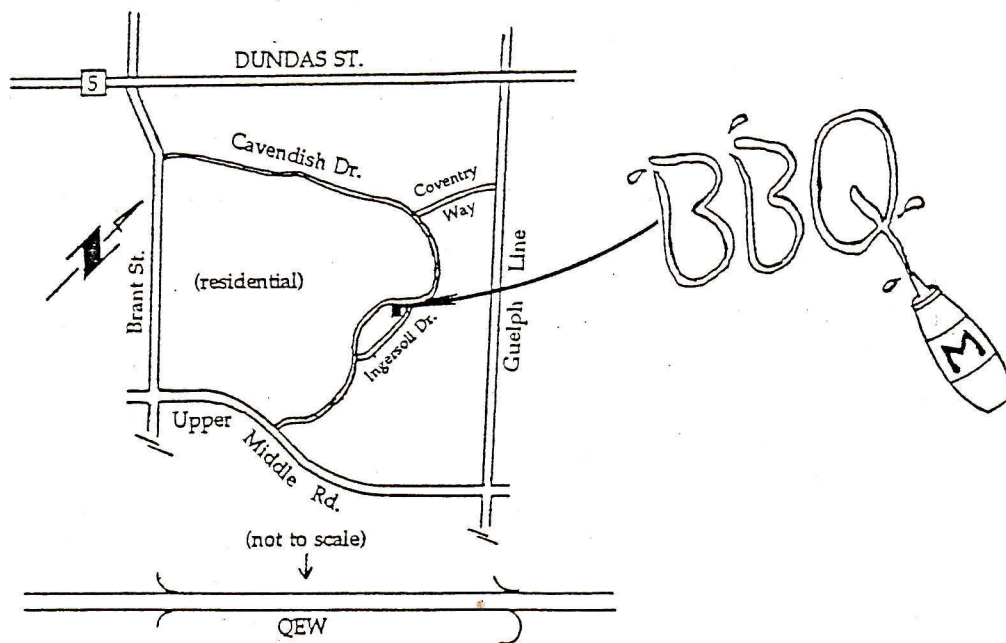
Sea shanties set the tone for the Heritage Launch

Canadian Hydrographic Association  
Central Branch

# ANNUAL BARBECUE

Saturday, September 26, 1992.  
3:00 p.m.

2431 Cavendish Drive, Burlington.  
(Home of Brian Power)



Hotdogs and Hamburgers with all the fixings  
Sleemans on draft  
Wine from the Weller Cellar  
and pop for the kids, too!

Please bring a salad or dessert if you can.  
Also a lawnchair and a reusable beer cup (the New Green Plan!)

*See you at the BBQ!*



Branch Members on CHS Field Surveys

by Keith Weaver

Central & Arctic Region of Canadian Hydrographic Service has another busy season in progress with 5 surveys deployed this summer. In addition, one training session (Jack Wilson - HIC, John Dixon & Andrew Leyzack, Hydrographers) was held at CCIW and another (Jack Wilson - HIC) in Ottawa for the new Carto-Hydrographers. Both sessions are now complete.

The CHA members on these CHS surveys this year are:

Revisory

Al Koudys - HIC,  
Ken Dexel - Hydrographer.  
Jim Elliott - Hydrographer.

Georgian Bay

Paul Davies - HIC,  
Raj Beri - 2IC,  
Mike Bennett - Hydrographer,  
Barry Little - Hydrographer,

Lake Huron

Bruce Wright - HIC,  
George Fenn - 2IC,  
Sean Hinds - Data Processor,  
Ray Treciokas - Hydrographer,

Churchill

B. Power - Data Processor,  
A. Leyzack - Hydrographer

Pelly Bay

John Medendorp - HIC  
Jon Biggar - Data Processor,  
Terese Herron - Hydrographer.

The first three teams have been out in the field since early May, due back first of September. The Churchill survey was out by mid-July & Pelly Bay set off in mid August. These last two are to run for 8 to 10 weeks.

And what sort of equipment are the hydrographers using this year? Well, for those regular surveys you will see their Hourstons or Mckees equipped with Ross 801 or FineLine sounders, Raytheon digitizers, cassette loggers for the guys using Syledis positioning (Lake Huron and Churchill), and ISAH loggers with Mini Ranger (Georgian Bay) or GPS (Pelly Bay). Revisory is the only survey not digitizing and logging soundings.

Pelly Bay is ship based (CCGS FRANKLIN) and have 2 Nelson launches on loan from Scotia-Fundy Region.

All surveys are equipped with Wild T1000, T2000, or T3000, DI20 and GRE3 or GRE4 data loggers, Microfix 100 and GPS translocation pairs (with the exception of Revisory and Georgian Bay Survey) for establishing control. Data processing is supported with our own Regional software package running on DEC MicroVAX II computers (Pelly Bay has a DEC MicroVAX 3100). CHS/CARIS software runs on the VMS operating system and provides graphical editing on Tektronix XN11/4211 colour terminals and Altek digitizing tablets. Plotting is done on 8-pen Zeta drum plotters.

And what do we have to report? Well ISAH is new this year, integrated into the processing system and is now proving to be quite productive after a few "start-up" bugs were ironed out. A telemetry link is also new this year to accommodate range-bearing work.

DGPS was used for positioning during the Pelly Bay (TIBS) winter survey, and will be used again during their summer survey, but this time interfaced with the ISAH loggers in a conventional launch scenario.

All-in-all it's been a busy spring, and summer... and there's no sign of letting up this fall, and winter and...

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Obituary — Nelson Freeman

It is with sorrow that we heard of the tragic death in Ottawa of our friend and colleague Nelson Freeman.

Many of us worked closely with Nelson in his ten years at CCIW before he left for a posting at HQ in 1981. Nelson was Chief of the Research & Development Division, actively involved in research on the Great Lakes and in the arctic. In 1982 he received a PhD in Mechanical Engineering from University of Waterloo for his work in numerical modelling.

Nelson was an avid sailor and could regularly be found on Hamilton Harbour. He was active in sports, being involved in the CCIW Curling Club for many years and coaching hockey as his sons grew up. Although strongly motivated himself, Nelson had a kind spirit and always had time to listen and support others. He will be deeply missed.

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Just as we went to press we received this letter from Nelson's wife Torchy:

*The family of the late Nelson Freeman would like to thank the many wonderful people from Fisheries and Oceans, here in Ottawa and across Canada, for their outpouring of love and affection for their friend and colleague, who died so tragically on April 9, 1992.*

*Your letters and phone calls have been warmly received and treasured by Grant, Robert and myself.*

*The Children's Wish Foundation is very grateful for your generous donations. Due to the recession, the fund was quite low and now they are able to grant some more "Wishes".*

*May Nelson's enthusiasm for life, his kindness and gentleness, and his dedication to his work, be an example to all of us.*

*May God Bless all of you.*

*Most sincerely,  
Torchy, Grant,  
and Robert Freeman.*



Jim Berry's column



The big news on the waterfront these days has nothing to do with boat building or hydrography. Fellow Out-houser Joe Delle Fave has finally decided to take the big plunge, or should I say the big step. Joe asked his long-time friend Betty Virgilio, for her hand in marriage. April 24, 1993 has been set for the big day.

Joe's reasoning is that although attending Branch meetings has always been exciting, educational, and something to do in the evenings, he needed to have a filler in between. We hope Betty doesn't mind being second in Joe's life next to the CHA.

Chapter 3 in the Guenter Bellach Travelogue. Received my annual postcard from Guenter:

*Borocay, Philippines, April 24, 1992.*

*Hi, Jim! Thought I would send the hydrographers of Central Branch a greeting. Have completed my single-handed crossing of the Pacific on my 29' Epicson (San Francisco start 2 Jan 1992). Now continuing to Phuket in Thailand. After that I may have to come back to Canada by plane to earn more of the green stuff. Had good winds most of the time but now petering out. Too close to the Equator.*

*- Guenter Bellach.*

It's always good to hear from you, Guenter, and if you are going to be around Toronto for Thanksgiving weekend (Canadian, that is) we'll have a boat that you can sail single handed around Toronto Harbour. Keep in touch.

How has your summer been? Cold, eh? We were going to go camping again this year but chickened out at the last minute. Decided indoor swimming pool, sauna, soft bed and maid service at the Holiday Inn were more attractive than the cold waters of Lake Huron, an ice-cold tent, and a hard damp ground to sleep on.

Stopped in for a brief visit at Stokes Bay to make sure Sean was behaving and working hard. I think he was but it's hard to decide whether working and living by the water is more like a vacation than work. The only complaint I heard was they've all read "Lighthouse" cover to cover more than 18 times, and are having contests to see who can solve the "Lighthouse Puzzler" the fastest. Beth Weller had better get more Puzzlers up to them quick before they start fist fights.

Or maybe they could invent some of their own games like: "Beams away" where you sink a few sounding boats inside Stokes Bay and the first hydrographer to find them all, using a lead line, wins a trip to Toronto Harbourfront for a free lesson on boat building; or how about a rousing game of "Hydrographer's Definition"?

Have a safe summer.

CALL FOR NOMINATIONS

**CHA NATIONAL PRESIDENT**

The Nominations Committee for the position of **National President** of the **Canadian Hydrographic Association** for term 1993-1996 invites nominations.

Eligibility requirements for a candidate are:

1. a member in good standing with the CHA;
2. nominated in a letter endorsed by two members in good standing of the CHA, addressed to the Nominations Committee;
3. a letter of acceptance of nomination by the nominee addressed to the Nominations Committee.

Nominations for the position of National President will close on October 1, 1992 and candidates will be reported in the next edition of Lighthouse (Fall '92). Balloting will take place on December 1, 1992.

Correspondence should be addressed to:

Mr. Jake Kean, Chairperson  
Nominations Committee  
Canadian Hydrographic Association  
Box 5378, Station F  
Ottawa, Ontario, Canada K2C 3J1

"Hydrographer's Definition"

A fast-moving and exhilarating game where players must come up with the real meanings for the nautical terms "ahead", "astern", "bunk", "dock", "launch", "moor", and "superstructure". To get you off to a good start, the answer to moor is "the number of people needed for a boat party. The moor the merrier".

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Our thanks to *Atlas Elektronik of America* and Karl Kieninger for their continuing support as Sustaining Member of Central Branch of CHA.

Formerly Krupp Atlas Elektronik [the name change is the result of a merger with Bremen Vulkan], this is the fourth year that the company has been a Sustaining Member. Thanks again for your support.

**KARL Wm. KIENINGER**

Hydrographer  
Manager Marine Systems

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Clark, New Jersey 07066  
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Telefax: (908) 388-5781

 **ATLAS ELEKTRONIK**