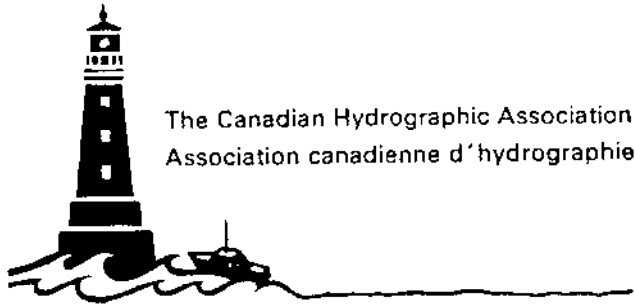


## National Edition



# NEWSLETTER

\*\*\* February/March 2004 \*\*\*

Vol. 18, No. 2

### Canadian Hydrographic Association

#### Central Branch

#### 2004 Executive

Vice-President: Tim Janzen (905) 336-4846  
Secretary: Fred Oliff (905) 336-4491  
Treasurer: Jeff Walker (905) 336-4607  
Executive Members: Brian Power (905) 319-6928  
George McFarlane (416) 512-5764  
Jim Weedon (905) 336-4841

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Our web page: <http://www.hydrography.ca/>

Our e-mail addresses: [lastnamefirstinitial@dfo-mpo.gc.ca](mailto:lastnamefirstinitial@dfo-mpo.gc.ca)

(Except Jeff Walker: [walkerjb@dfo-mpo.gc.ca](mailto:walkerjb@dfo-mpo.gc.ca) and George McFarlane: [george.mcfarlane@pwgsc.gc.ca](mailto:george.mcfarlane@pwgsc.gc.ca))

### Central Branch Committees

#### Communications and Publicity

*Newsletter:* - T. Janzen, F. Oliff,  
J. Walker, L. Robbins.  
*Web Site:* - J. Weedon.  
*Lighthouse:* - Chair TBD, A. Leyzack, J. Walker.

#### Membership

*Branch:* - B. Power, T. Janzen, G. McFarlane.  
*International:* - T. Janzen.  
*Elections:* - B. Power, Fred Oliff.

#### Admiralty Launch Surveyor

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

#### Education and Development

*Gerry Wade Memorial Library:* -  
T. Janzen, A. Leyzack.  
*Meetings:* - T. Janzen, G. McFarlane, J. Walker.  
*2004 Technology Course:* Ad Hoc.

#### Social Events

*H2O:* - E. Brown, J. Leyzack, B. Power.  
*BBQ:* - T. Herron, T. Janzen.  
*AGM:* - F. Oliff, T. Janzen, J. Weedon.

Message from the National President

I was recently asked to give an opinion on future opportunities in geomatics so here it goes - the future by A. Leyzack.

The focus of various disciplines within the geomatics community will be directed by a new generation of consumer/client, the *Spatially Aware Professional* or SAP for short. All kidding aside, I can't take credit for that acronym. I recently read about SAPs in Geographic Information, Systems and Science by Paul A. Longley et al.

Our spatial awareness is nothing new but as the integration of GPS technology for real-time navigation becomes more commonplace, in our vehicles and personal mobile devices, our awareness of geography and consequently the demand for geographically oriented products and solutions will increase. The notion of G-Commerce will add a new dimension to E-Commerce as us SAPs continue to discover the commercial advantages of using geographical information systems as decision making tools. Wireless technology is right in there taking GIS from the desktop to real-time navigation in our palmtop.

Demands on accuracy and completeness of data will increase as clients realize the limitations of deriving information from data collected at coarse resolutions and/or data referenced to pre-WGS84 datums. Practitioners already know about the limitations and compromises when trying to transform such data into a seamless, scale-less geographical database environment. "Rubber sheeted" compromises will eventually give in to a surveying renaissance when the consumer gains a better appreciation for the true benefits and cost of accurate, high resolution data. To date, the real cost of development, implementation and acquisition of high resolution data (for example satellite and multibeam "remote sensing") is yet to be realized because it has been borne and subsidized mostly by government. Considering that the average consumer will pay upwards of \$8-10,000 in real estate commission to sell their home but will choke when confronted with an \$800-\$1,000 building location survey (essential to determining clear title to one's property) says to me that there is a way to go yet.

*Spatial data transfer standards, Interoperability, and Data Clearing Houses* will play a significant role in satisfying the market's increasing demand for instant access to quality data and the metadata required to support the validity of that data. While it may seem that new application standards based on developments in science and technology may encroach upon cartographic expression, art will continue its role in the mix. The need to communicate graphically, as well as our increased capacity to measure the complexities of the real world, will place more emphasis on the semantics of graphic expression in a digital environment. Think of the challenge nowadays to go beyond just using contour lines to describe relief and to recreate textural patterns common in the days of engraving. The "art" was once there and cartographers are developing the software tools to recreate hand engraved patterns such as cliff hachures for 2D map presentation.

A hydrographic example exists today, where commercial demands in shallow waters are driving the development of the Next Generation ECDIS (Electronic Chart Display and Information System). This new product places a demand for high resolution,

high accuracy (IHO S-44 Special Order) bathymetric data where information is displayed in a 4D (x,y,z,time) vector product. Issues such as increased file size must be dealt with if this product is to comply with IHO S-57 data exchange standards, and the high costs of data acquisition and development restrict some hydrographic offices from distributing this data in the public domain without copyright. In cartographic design terms, *Good Contour*, a trait of good figure-ground perception, takes on new meaning when the product demands a contour interval of 0.1m!

- Andrew Leyzack

Notes from the Branch Vice-President

Well, now we go from the global future to the local present. The vernal equinox is about a week away as I write this, and despite the odd snowflake, I can smell spring in the air. The daylight hours are a little longer, the sun gets a little higher in the sky every day, people's steps are a little livelier, and we are deluged with the inevitable crash courses and getting up to speed on the latest versions of software that we need to ply our trade in the upcoming survey season.

However, before I move on and leave winter behind entirely, I will mention the 33<sup>rd</sup> annual H<sub>2</sub>O Curling Bonspiel. The H<sub>2</sub>O was held in Grimsby, Ontario on February 21<sup>st</sup>, and was a great success yet again. 16 teams were represented, playing on 4 sheets of ice, in two draws. Earl Brown, Brian Power and Jacqueline Leyzack have come through year after year to organize this fantastic event, get great sponsors, and provide a day of enjoyment for curlers of all ages and talent levels. The H<sub>2</sub>O was once predominated in presence by hydrographers, hydrographic-types and their families, and though that predominance has dwindled, it is nice to see some of the charter people like Ab Rogers out on the ice year after year. It is also great to see the long-time regulars to the H<sub>2</sub>O, who I only get to talk to once a year – at this event. The winning team this year was: Lareina Rising, Christine Simard, Ed DeBruyn, and was skipped by Joe de Laronde.

On a final note, I will recap a recent e-mail I sent concerning a subsidy of \$300 (CDN) to one member to offset the cost of attending the Canadian Hydrographic Conference 2004. If you are planning to attend the conference and can present the CB Executive with a reason why you are the member who should receive the \$300, please let us know. Criteria for being awarded the subsidy may include things like prohibitive travel costs, special accommodation needs, what you are contributing to the conference (volunteer work, presenting a paper/poster), etc. If you are interested, please reply to myself or one of the other executive members by email ASAP. If you know of a member who may be interested and is without email, please bring this notice to their attention, so that they can apply by regular mail. Barring unforeseen considerations, the deadline for applications will be April 30, 2004.

That's all I have to say for now. See you soon (some of you), but until then...

Happy Hydrography!

-Tim.

Minutes of General Meeting of CENTRAL BRANCH held on 26th February 2004

1) The meeting was held at 572 Fothergill Blvd., Burlington and was called to order at 19:09.

Attendees:

T. Janzen – VP – Chair  
F. Oliff – Secretary  
J. Walker – Treasurer  
J. Weedon S. Weller M. Crutchlow M. Bennett  
H. Duller G. McFarlane A. Leyzack D. Mahaffy  
C. Robinson D. Dixel K. Dixel A. Rogers  
Rusty the Cat

Regrets: Jean-Luc Corriveau, J. Medendorp

Guest Speaker: David Lawrence of Department of Public Works, Hydrographic Division.

2) Minutes of the 28<sup>th</sup> January 2004 were available.

Motion to accept the minutes:

- Moved A. Leyzack/J. Walker Carried

Discussion – Regarding future meetings and dates, it was decided to pursue a local venue for the May meeting.

**ACTION: Tim to contact International Member P. Knight to see if he is available to speak at the May meeting on hydrographic events in New Zealand.**

Outstanding Action Items:

J. Weedon (webmaster) to post sales of conference proceedings on web. Not yet done. Deferred.

Tim still has 42 CHA glasses for sale.

Keith to Tim; there are 5 CDs left of CHC2002 conference proceedings.

Branch news is required with a deadline of March 15<sup>th</sup> for Lighthouse.

B. Power submitted a notice of dues in January Newsletter.

3) Treasurer's Report: J. Walker presented the report and noted that as of tonight, he has received 21 members' dues payments. In addition, he noted that the bank forwarded the difference from a cheque written in US funds. A CHC2002 dinner ticket cheque was never cashed so we will consider it a gift.

Other items in the report included Tom McCulloch's book, purchased for the Gerry Wade Library, and the seminar and meetings expenses are up to \$42.00 so far.

CIG has not yet finished processing credit card receipts.

A question was raised about the option of paying by credit card extended to in-house members. Currently CIG charges us \$15 per batch and 4% per dollar, working out to \$1.60 per member. The credit card payments may have to be higher, i.e. \$41.60 or \$42.00.

An alternative is that we may, as a Branch, cover this charge as a cost of doing business. The general consensus was that we see how much it costs and how many people take advantage of this service. This year will be as normal; next year we will accept credit card (Visa or MasterCard) as payment.

Motion to accept the minutes:

- Moved G. McFarlane/M. Crutchlow Carried

4) Correspondence: (F. Oliff) No correspondence was received.

T. Janzen received a circular for the Ocean Technology Conference in Rhode Island being held in October 2004.

The Montreal branch of CIG meeting, apparently with proceedings in French only, will be held 27<sup>th</sup> and 28<sup>th</sup> October 2004.

A question was asked about Larry Robbins' current e-mail address because of "bounce-back". Apparently new spam filters may be the cause of this.

**ACTION: S. Weller to investigate and report to T. Janzen.**

5) Committee Reports:

Admiralty Launch Surveyor:

A. Leyzack spoke on behalf of B. Power (who is on a cruise of the Caribbean). D. Pugh of the CHC 2004 organising committee approached the CHA about the possibility of having the launch at the conference in Ottawa in late May. Discussion ensued about the preliminary programme, a launch site, reimbursement for non-CHS employees on launch crew, and the benefit of a bilingual crew member. It was suggested Jean-Marie Gervais of Ottawa Branch be approached to fill this last function.

A static display is planned for the Upper Canada Trade Faire at Odessa on 7<sup>th</sup>-9<sup>th</sup> of May.

Membership:

T. Janzen spoke on behalf of B. Power.

There are 20 or 21 paid-up In-house and one Out-house members thus far. There is also one paid-up corporate member.

The member discount for conferences, courses, etc. will be restricted to paid-up members.

Meetings:

The next meeting will be held at the residence of Ab Rogers on March 25<sup>th</sup>. The presentation will be on the Burlington Lift Bridge maintenance project. Check the web site for details.

Gerry Wade Library:

(T. Janzen) The library has a new book, purchased last month; it is Tom McCulloch's book, entitled *Mandalay to Norseman*. A question was raised whether someone would do a review of the book for Lighthouse. Apparently the book was advertised via a postcard from the publisher, Trafford, of British Columbia. They do on-demand publishing to keep costs down.

**ACTION: Fred to look for copies of books given to the CHA a few years ago that he reviewed, and return them to the Gerry Wade Library.**

Website:

(J. Weedon) Jim (new homeowner!) is working on the website. There are some forms problems, related to French/English content. The Gerry Wade Library page is not yet interactive with planned search function. The National member database (in ACCESS) put together by Messrs. Gartley (Pacific Branch) et al is almost ready. A question of whether the database was accessible by all was raised. There have been four or five queries regarding forms which would not download.

Newsletter:

(T. Janzen) The web address was wrong in last month's newsletter but it went unnoticed. A. Leyzack and T. Janzen to work on next month's newsletter.

5) Other Business:

A. Leyzack reported that IFHS (International Federation of Hydrographic Societies) formerly The Hydrographic Society have produced a Booklet entitled, "A Career as a Hydrographic Surveyor". "It is a really good document" remarked Andrew. It is published by the Hydrographic Society of the UK on behalf of the IFHS. Support from CHA National is \$500 or about £200 Sterling. A draft of the booklet was circulated. It was noted that this booklet may be made available free of charge to society members. A question was raised, "Will this be made available for CHC2004?" Maybe the PDF file could be printed for the conference. IHO publications, in PDF format, were printed for CIG in Calgary last fall. Other publications might also be made available for printing from PDF files.

The deadline for *Lighthouse* (Spring Edition) submissions is March 15<sup>th</sup>. Ottawa has their own idea of how they are going to publish abstracts (CHC2002 used *Lighthouse*) in hard copy. The conference CD will have the full papers on it. Handouts will be in the registration package.

6) The business part of the meeting was adjourned at 20:05.

Motion: F. Oliff/D. Mahaffy CARRIED

The attendees broke for refreshments, pizza and discussion.

Our guest speaker for the evening was David Lawrence of Public Works and Government Services Canada, who gave us an interesting PowerPoint presentation on the removal, repair and "Reberth" of the WWII Canadian warship *HMCS Haida*. She was moved from her former location at Ontario Place on Toronto's waterfront, first to dry-dock at Port Weller then on to Pier 9 at Hamilton. She was greeted last fall, under tow through the Burlington Ship Canal by *Surveyor* and crew as she entered Hamilton Harbour. Thanks Dave!

\*\*\*\*\*

**Next meeting**

Our next general meeting will be at the Rogers' residence at 391 Rankin Drive, Burlington on Thursday March 25. The guest speaker will be Abbas Khan of Public Works and Government Services Canada, who will be presenting on refit work done to the Burlington lift bridge last year.

**News Update: UKHO's Ritchie Building opens for business**

**November, 2003** The United Kingdom Hydrographic Office (UKHO), based in Tauton, Somerset has officially opened its new state-of-the-art archive repository, courtesy of HRH, The Duke of York. The UKHO has a tradition of naming its buildings after past Hydrographers such as Dalrymple, Bligh and Beaufort. The new archive, which will store hydrographic surveys and charts created since 1795 as well as original material dating back to the 16<sup>th</sup> century voyages of discovery by Cook and Flinders, has been named the Ritchie Building in honour of Rear-Admiral Steve Ritchie CB DSC FRICS. Former Hydrographer of the Royal Navy (1966-71), Admiral Ritchie is a CHA Life Member. [www.ukho.gov.uk](http://www.ukho.gov.uk)



**Grand Opening of the Ritchie Building**



**UPCOMING EVENTS**

The purpose of this column is not to provide an all-encompassing calendar of hydrographic-related events but to provide you with information on events sponsored by organizations or individuals with whom CHA is connected.

Input comes from organizations such as the ACLS, FIG, CIG, THSoA and the International Federation of Hydrographic Societies.

**T.D.W. McCulloch, Mandalay to Norseman**

CHA's Tom McCulloch has published his memoirs in a book entitled "Mandalay to Norseman" available from Trafford Publishing, Victoria, British Columbia. It tells of a misspent youth in Scotland and at sea before arriving in Canada in 1948. Tom informs us that the sequel, which is yet to be written, will feature his time with the

CHS and CHA. For more information contact the bookstore at [bookstore@trafford.com](mailto:bookstore@trafford.com) or visit [www.trafford.com](http://www.trafford.com)

**Oceanology International 2004, The World's Largest Ocean Technology Event**

OI2004 will take place in London, UK, **March 16-19, 2004.**

For more information visit [www.oceanologyinternational.com](http://www.oceanologyinternational.com)

**US/Canada Hydrographic Commission Coastal Multibeam Sonar Training Course**

Hosted by the CHA Ottawa Branch, the course will be held in Gatineau, Quebec, **May 17-22, 2004**

**Canadian Hydrographic Conference CHC2004, A Canadian Celebration of Hydrography: Foundation for the Future 100 years of Canadian Hydrography 1904-2004**

CHC2004 will take place in Ottawa, **May 24-27, 2004.**

Help celebrate 100 years of hydrographic achievements while looking ahead toward the future and its innovations and changes. The conference is intended for the marine community in general with specific sessions for marine historians, marine science and geomatic interest groups. Traditionally CHC attracts up to 500 delegates from approximately 20 countries globally.

CHC 2004 is committed to excellence in program knowledge content, networking opportunities and partnership building. The program will be well balanced between historical content and current practises and innovations within the field of hydrography. Training workshops, with specific hydrographic and cartographic methods and procedures highlighted will be offered along with the United States/Canada Hydrographic Commission Coastal Multibeam Sonar Training Course. These elements will be held prior to the conference dates. CHC 2004 is co-hosted by the Canadian Hydrographic Service (CHS), Canadian Nautical Research Society (CNRS) and Canadian Hydrographic Association (CHA). Sponsorship opportunities exist for well-matched organizations with like-minded interests.

Situated along the beautiful and historic Rideau Canal, Ottawa is an excellent venue for this upcoming conference. Delegates will also benefit from several unique social activities that are scheduled throughout the conference.

Please visit [www.chc2004.com](http://www.chc2004.com) for information on registration, exhibiting, sponsoring, or training workshops.

Assistez à la Conférence hydrographique du Canada (CHC 2004) qui se déroulera du 24 au 27 mai 2004. Joignez-vous à nous pour souligner les 100 ans de réalisations hydrographiques tout en nous penchant sur l'avenir, l'innovation et les changements. La conférence s'adressera de manière générale à la communauté marine et offrira des séances spécifiques à l'intention des historiens marins, des scientifiques marins et des groupes ayant un intérêt en géomatique. Par le passé, la CHC a attiré jusqu'à 500 délégués de quelque 20 pays.

La CHC 2004 veille à assurer l'excellence du contenu du programme ainsi que des possibilités de réseautage et d'établissement de partenariats. Le programme reflétera un bon équilibre entre le contexte historique et les pratiques et innovations actuelles dans le domaine de l'hydrographie. Des ateliers de formation soulignant des méthodes et procédures hydrographiques

et cartographiques particulières auront lieu de même que le cours de formation de la Commission hydrographique États-Unis/Canada sur les sonars multifaisceaux côtiers. Les ateliers et le cours se tiendront avant la conférence. Les hôtes de la CHC 2004 sont le Service hydrographique du Canada (SHC), la Société canadienne pour la recherche nautique (SCRN) et l'Association hydrographique canadienne (AHC). Des possibilités de commandites sont offertes aux organisations ayant des intérêts similaires.

La ville d'Ottawa, où coule le magnifique canal Rideau, est un emplacement de choix pour cette conférence. Les délégués pourront participer à diverses activités sociales uniques prévues dans le cadre de la conférence.

Visitez le site [www.chc2004.com](http://www.chc2004.com) pour plus de renseignements sur l'inscription, l'exposition, les commandites ou les ateliers de formation.

**FIG Working Week 2004, The Olympic Spirit in Surveying**

This year's working week will be held in Athens, **May 22-27, 2004.**

Commission IV (Hydrography) and its work groups will be meeting to present technical session and tour.

For more information visit [www.fig2004.gr/](http://www.fig2004.gr/)

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

The 20<sup>th</sup> Congress of ISPRS will be held in Istanbul, **July 12-23, 2004.** The Call for Abstracts has been announced.

For more information visit [www.isprs2004-istanbul.com](http://www.isprs2004-istanbul.com)

**FIG Regional Conference for Asia and the Pacific**

Commission IV (Hydrography) will be holding a regional meeting during this conference, to be held in Jakarta, **Oct. 3-7, 2004.**

For more information visit

[www.ddl.org/figtree/events/events2004.htm](http://www.ddl.org/figtree/events/events2004.htm)

**The Canadian Institute of Geomatics /  
Association Canadienne des Sciences Geomatiques  
Montreal Branch / Section du Montreal  
Geomatics 2004 / Geomatique 2004**

Un choix strategique, Montreal, Quebec, **Les 27 et 28 octobre 2004**, Hilton Montreal Bonaventure

Deadline for receiving proposals/Date limite pour le depot d'une proposition de conference 26 avril.

[www.geomatics2004.com](http://www.geomatics2004.com)

[www.geomatique2004.com](http://www.geomatique2004.com)

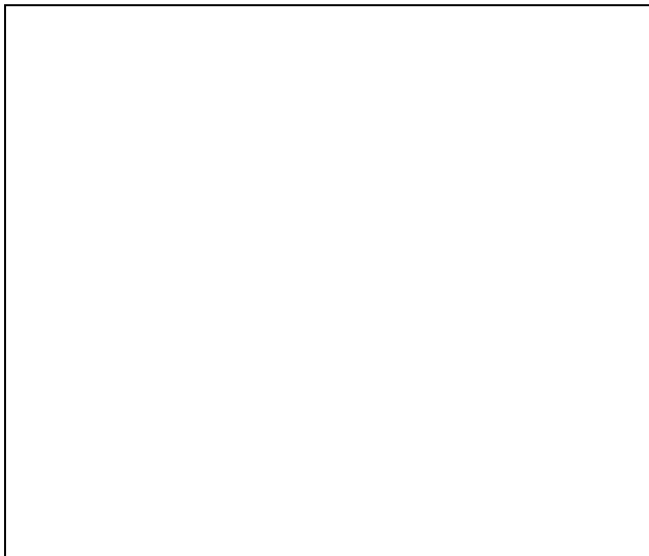




## Corporate Members of the Canadian Hydrographic Association

Corporate Membership allows companies closely linked with the hydrographic field to become more involved with the activities of the CHA and to maintain closer contact with users of their products. Through *Lighthouse*, these Corporate Members are also able to reach a world-wide hydrographic audience. The Canadian Hydrographic Association appreciates the support of these organizations:

- **ASI Group**, St. Catherines ON Canada
- **Canadian Centre for Marine Communications**, St. John's NF Canada
- **C&C Technologies**, Lafayette LA USA.
- **Fugro Jacques Geosurveys Inc.**, St. John's NF Canada
- **Garde Côtière canadienne**, Québec QC Canada
- **Gemini Positioning Systems Ltd.**, Calgary AB Canada
- **Helical Systems Ltd.**, Dartmouth NS Canada
- **Hydroservice A.S.**, Egersund Norway
- **Interactive Visualization Systems**, Fredericton NB Canada
- **Klein Associates**, Salem NH USA
- **Knudsen Engineering Ltd.**, Perth ON Canada
- **Kongsberg Maritime Ltd.**, Dartmouth NS Canada
- **McQuest Marine Sciences**, Burlington ON Canada
- **NetSurvey Limited**, Banbury, Oxon United Kingdom
- **RTT Integra Inc.**, Saint-Lambert QC Canada
- **Sani Int'l Technology Advisors Inc.**, Markham ON Canada
- **Terra Remote Sensing Inc.**, Sidney BC Canada
- **University of New Brunswick**, Fredericton NB Canada



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### Many Thanks to Our 2004 H<sub>2</sub>O Sponsors and Participants!

Algoma Central Marine  
Canadian Coast Guard  
Canadian Hydrographic Association  
Canadian Hydrographic Service  
CARIS  
DataQC Inc.  
DFO Health & Wellness Committee  
Emma's Back Porch  
Fisheries & Oceans Canada (Sarnia)  
HYPACK Inc.  
Joe Dogs Gas Bar and Grill  
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National Water Research Institute  
Offshore Systems Ltd.  
Ontario Great Lakes Area DFO  
Philthy McNasty's  
Stanley Hardware  
Upper Lakes Group Inc.



2004 H<sub>2</sub>O Winners - Skipped by Joe de Laronde (Left)