

The Canadian Hydrographic Association
Association canadienne d'hydrographie



NEWSLETTER

*** June/August 2001 ***

Vol. 15, No. 5

Canadian Hydrographic Association

Central Branch

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Central Branch Committees

Communications and Publicity

Newsletter: - J. Weller, E. Brown, F. Oliff, L. Robbins
Web Site: - J. Weedon, J. Dixon
Lighthouse - A. Leyzack, J. Weller, F. Oliff

Membership

Branch: - B. Power, J. Dixon, T. Janzen
International: - A. Leyzack, G. Pugach, L. Robbins
Elections: - F. Oliff, T. Janzen

Admiralty Launch Surveyor

- J. Dixon, E. Brown, H. Duller, A. Leyzack, B. Power, B. Warrender

Education and Development

Gerry Wade Memorial Library:
- T. Janzen, F. Oliff, B. Power
Seminars: - S. Hinds, J. Dixon, A. Leyzack

Social Events

H20 - E. Brown, J. Miles, B. Power
BBQ - T. Janzen, J. Biggar
AGM - F. Oliff, S. Hinds, T. Janzen, B. Power

Message from Earl Brown, Past National President

Several days ago I was honoured by Sam Weller when he asked me to write a guest article for the CHA NewsLetter. Sam gave me little guidance with respect to subject matter, but assuming I could come up with something, I agreed with enthusiasm.

My first thoughts were to write something about *LIGHTHOUSE* and why I consider that journal of great interest and perhaps critical to the future of our association. My thoughts then led me to the CHA in general and I considered putting a few words together that would perhaps generate some new interest or discussion which would lead to the realization that there is a need for a Canadian Hydrographic Association.

Being a retired member of the hydrographic community, you may question why I care. It is a valid and logical question and perhaps one that I have to come to grips with myself. I am fully retired and no longer have any direct links to Hydrography. However I do continue to have an interest in the profession to which I devoted 37 years of my life. My recent acceptance of Co-editor duties with *LIGHTHOUSE* and my involvement with the heritage launch *Surveyor*, keep me in touch with the organization for which I have a great deal of respect and in contact with a group of wonderful people.

Now, for a few words about *LIGHTHOUSE*. As most of you are aware, Paola Travaglini and I have recently

agreed to assume the duties of editors of the journal. Our general agreement is that Paola is responsible for layout and printing and I will look after distribution and the administrative aspects associated with the journal. Together we will ensure that the various and many other things get done and that the content reflects the interests of our members and subscribers.

We are hopeful that *LIGHTHOUSE* will be the means of communicating to the world, the many innovative activities within the Canadian hydrographic community including developments and articles of interest from within the CHS. There are many good things happening, many questions to be asked and there is much news to be communicated to our counterparts around the world. We believe that *LIGHTHOUSE* is the appropriate means for this interaction.

The recent edition of *LIGHTHOUSE*, published in May this year, has a new look. The cover is significantly different, however the content has a familiar style. Future editions may vary from this style and will include some interesting new features. We also welcome and will respond to recommendations from our readers. Please provide us your comments.

As a closing note, I would like to again thank Sam for his continued interest and perseverance in getting this newsletter out on a regular schedule. Well done Sam!

Notes from the Branch Vice-President

Looks like Sam Weller has assembled yet another fine collection of dribs and drabs from the membership for this the 15th annual summer edition of the Central Branch Newsletter. Congratulations Sam and thanks for all 15 volumes!

The *Canadian Hydrographic Conference (CHC2002)* is but a year away and it's interesting to note that a majority of those individuals participating as conference committee chairs are CHA members. This I believe reflects well on the Branch and the calibre of individuals who have taken to organizing the conference in addition to their regular duties at CHS. As co-chair of harbourfront exhibits, I'm pleased to inform you that CHC2002 will be offering a 10% discount on exhibitor fees to those individuals or companies who are either sustaining members of CHA or corporate members of *The Hydrographic Society of America (THSOA)*. In addition to discounts in advertizing in *Lighthouse*, interested parties may very

well discover that their sustaining membership with CHA could more than pay for itself should they decide to take advantage of these incentives.

If you haven't paid your 2001 dues yet, please do. To those that haven't, we are taking it on faith that you will so we have and will continue to send you this NewsLetter and *Lighthouse*. As I hope you will appreciate, this costs us not only precious volunteer time but money. To those in good standing, thank you for your continued support and interest in Central Branch CHA.

Our next evening meeting is being hosted by Brian and Anna Power at their home: 2431 Cavendish Drive, Burlington. Mark the date: Wednesday 3rd October at 19:00 hours. Hope to see you there.

- Andrew

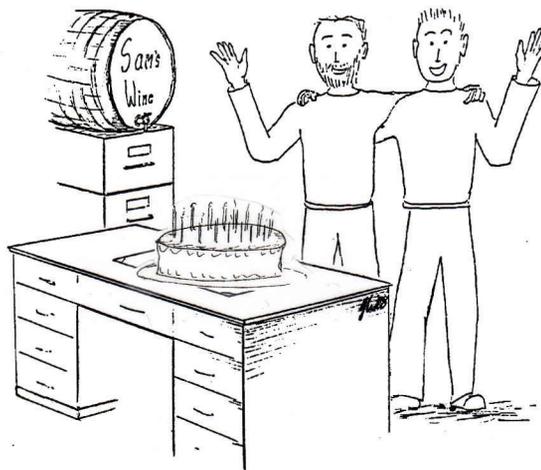
From the NewsLetter Committee:

This summer edition of our newsletter brings several interesting items: Notes from V-P Andrew Leyzack; reports by John Dixon on our launch *Surveyor*, by Rick Sandilands on our Members on CHS surveys and by Barry Lusk on our CHA Student Award. Thank you all.

Ken McMillan, our CHA National President, has been busy with his own survey business and has not been able to give us a Message for our Members. We are delighted that Earl Brown accepted our invitation to write the lead article this year and to bring us news on our journal Lighthouse.

Mark this on your calendar! Thursday 6 December is the *Central Branch 2001 AGM and Dinner*. This is your opportunity to make your voice heard, to catch up with your fellow members, and to have an interesting and tasty evening out. As in past years, this will be at the Mimico Cruising Club.

*"Happy Birthday, NewsLetter:
you're 15 years old this month!"*



News from the other Branches

Pacific Branch and Prairie Schooner Branch (PSB) got some news to us in time for this issue.

James Wilcox, V-P of **Pacific Branch**, sent us a collection of interesting and newsy items. As we reported last year, Pacific Branch commissioned a plaque in memory of the CSS *Wm. J. Stewart*, mounted on the seawall next to Captain Cook's statue in front of the Empress Hotel in Victoria. James sent an update, plus other news:

The plaque went missing in April this year. We suspected theft, but the real explanation came out later.

The plaque has been located! Apparently, a couple of tourists went to touch the plaque (after all it was the nicest one there)... and it fell off (blame it on the 6.8 earthquake). The plaque was subsequently brought to the tourism office. They didn't have a clue about what to do with it. As a last resort they asked the Naden Naval Museum to look in to it. They were then able to track down the CHA. No visible damage, other than the lack of mounting bolts - these are still in the wall. We will have the plaque re-mounted (properly this time) and perhaps a re-dedication ceremony, but without the bells and whistles. Al Thorn, CHA branch executive and CHS mechanical engineer, has come up with a much improved mounting system for the plaque and is ready to have the plaque mounted soon.

Bill Crawford, Hydraulic Research Scientist, has been transferred from the CHS to Ocean Science and Productivity. He is still at IOS doing the same sort of research, just under a different flag. Bill has been and is an active CHA member and will be address Pacific Branch on June 27th at a luncheon at

Glen Meadows. The topic is "Back and Forth with Tides and Currents: Past, Present and Future Research"

Despite recent poor turnouts for other social events, the Branch is going to organize a BBQ and a softball tourney over the summer.

We heard from **Prairie Schooner Branch (PSB)** V-P Bruce Calderbank that he is again working over the Nova Scotia continental shelf area south of Sable Island, completing a 1,930 square kilometre 3D seismic survey. He is onboard the *Veritas Viking I*, a purpose-built multi-streamer seismic vessel with an overall length of 93 metres. For the present survey, the vessel has deployed 8 streamers, each of which is 6,000 metres long with two sources. The towing separations between adjacent streamers is 100 m.

Bruce is the onboard Client Navigation Representative ensuring that the survey, navigation and positioning specifications are being met. The survey is being underwritten by the seismic contractor as a speculative survey which will be sold to at least one client and perhaps others. The project will have taken over two seasons to complete.

Once the seismic interpretation has been carried out, it is hoped that various potential oil and gas targets will show up, which will have to be drilled and evaluated before any production is possible some years hence.

Bruce also mentions that PSB was a sponsor of the *Association of Canada Lands Surveyors Offshore Workshop* in Halifax in March this year, and were planning to take part in the *International Symposium on Kinematic Systems*

Ahoy All: The Launch News

By John Dixon

Another season with the launch *Surveyor* has begun and the first event has already taken place. The launch attended the Upper Canada Trade Faire as a static display on April 28 & 29, 2001. The days were clear and sunny (no bugs) with the nights dipping below the frost line.



"Surveyor" in action; the good old days

The schedule for this year is a work in progress, so far:

Upper Canada Trade Faire - April 28 & 29 - attended.

Maintenance - May & June - now completed.

Scraping and painting are always on the list of things to do. We could always use a few willing hands to prepare *Surveyor* for the season and to care for her. If you can help, please give me a call. A portable shelter has been acquired for storage of the launch.

MHA/Discovery Harbour - June 1- 15: deliver *Surveyor*.

The MHA has an agreement with CHA to take title over *Surveyor*, and *Surveyor* now operates out of Discovery Harbour. The CHA can operate the launch for special events. This past winter, CHA offered storage and did spring maintenance. After the maintenance was done, the launch was delivered to Discovery Harbour.

MHA/Discovery Harbour - June 16 – July 6 – Taking part in the sail training program at *Discovery Harbour* in place of *H.M. Schooner Bee*, now in refit.

The Gunboat Weekend - July 7 & 8 – proposed.

A timeline event involving groups from Loyalist Landings (1784) to the War of 1812 with a full schedule of activities for water flies and lubbers alike.

Marine Festival - August 4 to 6 - proposed by MHA.

A proposed MHA event to do a hydrographic demonstration in Owen Sound.

Battle of Georgian Bay - August 23 to 26 - committed.

The big event of the year (1,400 registered) is a timeline (1776 & 1812) naval and military battle. The grand encampment is at the historic site Discovery Harbour, which began as His Majesty's Naval Establishment (1817) and was the winter home of Lieutenant Henry Wolsey Bayfield during his surveys of Georgian Bay.

Battle of Plattsburgh - September 8 & 9 - proposed

This is a War of 1812 re-enactment at the Kent-Delord House (the HQ of the British forces during the occupation of Plattsburgh 1814).

Faire at the Forks - September 28 - 30- proposed

Canada's only 19th Century Pleasure Faire enacting early 1800's civilian and military life.

The proposed events are dependent upon participation. If you would like to participate in the maintenance or take part in one (or more) of the events, please feel free to contact one of the committee.

Faire winds

Call for Nominations
National President, CHA

Nominations are now open for the position of National President of the Canadian Hydrographic Association. The National President's position becomes vacant on December 31st 2001, when Ken McMillan is retiring after having served two terms in office.

The National President is the chief executive officer of the Corporation. He presides over all general meetings of the corporation and of the board of directors. He is responsible to the board of directors for the general and active management of the affairs of the Corporation. He ensures that all orders and resolutions of the board of directors are carried into effect.

The National President will be elected for a period of three (3) years and will be eligible for re-election to one (1) additional term of office.

Nominations for this position will close on Friday, August 31, 2001 at 24:00 hours.

The board of directors shall appoint an elections committee to accept nominations, inform the membership and conduct the election. Nominations should be sent to the branch Vice-Presidents or to the National Secretary.

Candidates will be featured in the fall edition of *Lighthouse*.



INNOVATION AND EXCELLENCE

Focusing on Client
Requirements
and Their
Changing Needs

Westin Harbour Castle Hotel
Toronto, Canada
May 28 to 31, 2002



SPONSORSHIP OPPORTUNITIES

The Canadian Hydrographic Conference (CHC) is offering companies a chance of a lifetime to connect with over 500 delegates who have a commitment to marine matters. This conference offers a unique opportunity to meet and explore new ideas and technologies that will appeal to a wide spectrum of businesses and individuals. The conference is being held in Toronto from May 28 to 31, 2002.

Past delegates included:

- Cartographers
- Chart Dealers
- Economic Development Agencies
- Educators
- Engineers
- Environmental Agencies
- General Public
- Government Agencies
- Hydrographers
- Tourism Industry
- Mariners, Fishers and Recreational Boaters
- Maritime Boundary Specialists
- Marketing Organizations
- Offshore Energy Industry
- Safety Organizations
- Scientists
- Surveyors
- Training Organizations
- Transportation Industry

The format of the conference will consist of:

- plenary sessions
- concurrent sessions
- a dynamic Tradeshow and harbourfront ship and launch exhibits
- social interaction and networking

The event will be held at Westin Harbour Castle Hotel, situated on the Toronto harbour front. This is an ideal location, given the focus of the conference, and allows for visiting survey vessels to be docked nearby.

Sponsorship is available at all levels; we have pre-designed packages that can fit into any budget, in the range of \$1,500 to \$30,000. CHC would like your support so we will be glad to work with you to customize a sponsorship program for you. To customize a program, please call Alyson Will at the conference office: (416) 595-1414 ext. 224.

Some of the advantages of sponsorship...

- Enhanced benefits in all categories with more opportunity than ever to be recognized as a leader and supporter in the hydrographic, marine sciences and marine geomatics communities
- Complimentary link from the conference web site to your own web site for the entire conference year
- Highlighted recognition in the on-site program materials

CHC 2000 was a great success and we expect the 2002 conference to be even better. The success of the conference will depend on support from organizations like yours so we would be glad to discuss how you could benefit from sponsoring CHC 2002.

Company of Master Mariners of Canada, Canadian Power and Sail Squadrons, Canadian Hydrographic Service, Canadian Hydrographic Association, The Hydrographic Society of America, International Federation of Surveyors (I.F.S.), International Hydrographic Organization, and Canadian Coast Guard.

An exciting program of plenary sessions, concurrent sessions, a trade show and networking functions is being developed. The following is an outline of the program to date:

Tuesday, May 28, 2002

Morning Registration/Information Desk
Concurrent Workshops

Evening Welcome Reception

Wednesday, May 29, 2002

Morning Registration/Information Desk
Continental Breakfast
Opening Ceremonies
Plenary Session and Keynote Speaker
Tradeshow Grand Opening
Coffee Break (in Tradeshow)

Afternoon Lunch and Entertainment
Concurrent Sessions/Ship and
Launch Exhibits
Coffee Break

Evening Ice Breaker Reception in the
Tradeshow

Thursday, May 30, 2002

Representatives from the recreational boating community will be encouraged to attend the conference and Tradeshow on this day.

Morning Registration/Information Desk
Continental Breakfast
Plenary Session
Concurrent Sessions/Ship and
Launch Exhibits
Tradeshow Open
Coffee Break (in Tradeshow)

Afternoon Lunch and Keynote Speaker
Concurrent Sessions/Ship and
Launch Exhibits
Tradeshow Open
Coffee Break (in Tradeshow)

Evening Reception at the Harbourfront
Gala Dinner and Show

Friday, May 31, 2002

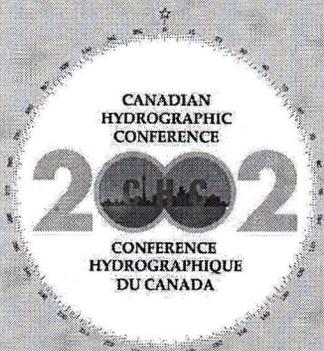
Morning Registration/Information Desk
Breakfast Workshop
Plenary Session
Concurrent Sessions/Ship and
Launch Exhibits
Coffee Break
Tradeshow Open

Afternoon Lunch (in Tradeshow)
Concurrent Sessions/Ship and
Launch Exhibits
Coffee Break
Closing Ceremonies

The Canadian Hydrographic Conference is pleased to extend this exceptional opportunity to your organization. Please contact Alysone Will, CMP at Absolute Conferences & Events Inc. (as listed below), to discuss the enclosed or a customized sponsorship option.

Canadian Hydrographic Conference 2002
c/o Absolute Conferences & Events Inc.
144 Front Street West, Suite 640
Toronto, Ontario M5J 2L7
Phone: 416-595-1414 ext. 224
Fax: 416-979-1819
E-mail: chc2002@absolutevents.com





INNOVATION AND EXCELLENCE

Focusing on Client
Requirements
and Their
Changing Needs

Westin Harbour Castle Hotel
Toronto, Canada
May 28 to 31, 2002



CALL FOR PAPERS

The Canadian Hydrographic Service in collaboration with the Canadian Hydrographic Association, Canadian Coast Guard, Canadian Power and Sail Squadron, Fédération Internationale des Géomètres, International Hydrographic Office, and the Hydrographic Society of America are pleased to sponsor a conference on "Innovation and Excellence – focusing on client requirements and their changing needs".

Those interested in making a presentation at the conference should submit a 250-300 word abstract by September 30, 2001. Your presentation should be related to client requirements and their changing needs in hydrography although all papers will be considered. Authors will be notified of paper acceptance by December 1, 2001. Final manuscripts for publication are due March 1, 2002.

CALL FOR POSTER PRESENTATIONS

Poster presentations are welcome. Presenters are invited to submit a 250-300 word abstract by September 30, 2001. Notification of poster acceptance will be December 1, 2001. Posters will be included in the conference proceedings if a version suitable for publication is received by March 1, 2002.

Submission Information

Abstracts and papers (DIGITAL ONLY) may be submitted in either official language. Translation services may be available during the presentation.

Authors information available at

CHC2002

c/o Absolute Conferences & Events Inc.

144 Front Street West, Suite 640

Toronto, Ontario, Canada M5J 2L7

Telephone: 416-595-1414

Fax: 416-979-1819

Email: chc2002@absoluteevents.com

Website: www.chc2002.com

EARLY ANNOUNCEMENT

Coastal Multibeam Sonar Training Course

We are pleased to announce that in the week prior to the *Canadian Hydrographic Conference 2002*, CHA Central Branch will be hosting a Coastal Multibeam Training Course in Burlington. The course will be held May 22 through 27 in downtown Burlington at the Travelodge Hotel, which overlooks Lake Ontario and the Niagara Peninsula. This course, which will be given by Dr. Dave Wells and colleagues, continues what has become one of the best sources for multibeam sonar training worldwide. Although it will be mostly intensive classroom time, the six-day course will include an afternoon of on-the-water demonstrations.

Mark the dates on your calendar and stay tuned for more information in your next issue of this NewsLetter and in the Fall Edition of Lighthouse. Registration is very limited so make sure you book early.

RUSSIAN GRADUATE SEEKS EMPLOYMENT

My names is Vlad Ustinoff, I am 30 years old Saint-Petersburg resident, Russia. I graduated from Higher Marine College Frunze in 1995, as hydrographer engineer.

I have experience in hydrography, topography, meteorology, navigation, hydrology, geodetic and connection system. I am interested of new marine technology and problem solving relating to the marine engineering. My diploma is dedicated to the co-ordination of Deep Water Apparatus.

Now I am doing immigration to Canada. Soon I will go to immigration office on interview.

I want you ask, how I can find hydrographic firm, company, people who help me in searching hydrographic job, if I will to live in Canada.

P.S. If will you interest, I can send you my C.V.

Sincerely yours. Vlad Ustinoff

If you can help, please contact: leyzacka@dfm-mpo.gc.ca

CHA Branch Members on 2001 CHS Field Surveys

By Rick Sandilands

Revisory survey, with Tim Janzen and Ken Dixel, started work on April 30 in Britt, Georgian Bay. The Canadian Coast Guard (CCG) Marine Programs group requested surveys for alternative channels on the Small Craft Route due to the low water levels in Georgian Bay. Later in the month, they joined the CCG project servicing fixed aids in Lake Superior by helicopter in order to obtain NAD83 positions of these offshore aids to help shift the charts & Electronic Navigation Charts (ENC) onto NAD83 datum. The rest of the crew, with the addition of Bob Strachan, drove to Thunder Bay with two launches. Once they joined up, the survey completed some outstanding work for the new Lake of the Woods charts in production and then surveys for CCG on Lake Winnipeg at Gimili and at the mouth of the Red River.

Revisory returned to southern Ontario near the end of June and will later investigate any queries identified for charts in production. In addition, they will conduct some client-requested multibeam surveys in Lake Ontario and Lake Erie with our new EM3000 and new launch *Merlin*.

Paola Travaglini was HIC of a **multibeam demonstration survey** (May 7 to 11) off Tobermory in Georgian Bay with launch *Petrel*, an EM3000 sounder, and a survey crew of Andrew Leyzack, Janis Davies and Al Shepherd. Data was collected and processed at several sites of interest to the participants, Parks Canada and NRCAN, in *Fathom Five National Marine Park*.

The participants were impressed with the data and imagery collected. This demonstration may lead to a multi-year project with Natural Resources Canada (NRCAN) and Parks Canada for other such surveys.

The *Petrel* then crossed to Parry Sound to conduct a survey of Parry Sound Harbour (May 14 to 18) before the start of the Georgian Bay survey from the CCGS *Griffon*. The harbour and wharf survey was required to correct the off-datum ENC reported by CCG. The Georgian Bay survey will run from May 23 to July 4 on CCGS *Griffon* with the *Petrel* multibeam launch and four single-beam launches. John Medendorp is HIC with a survey crew of Raj Beri 2IC, Paola Travaglini, Al Shepherd, Laura Colombe, Janis Davies and Dan Brousseau. The survey will carry on from last year's work and work northward from Point au Baril to collect the data required for New Edition of Chart 2243.

There will be an 8-week survey in the **western Arctic** from CCGS *Nahidik* with the crew of Jon Biggar HIC, Andrew Leyzack 2IC, Dan Brousseau, Paola Travaglini and Carol Robinson. The survey will start in late July and for the first three weeks will conduct seabed mapping work for NRCAN and The Department of Indian & Northern Affairs in support of potential oil and gas developments in the Beaufort Sea. The survey will use the *Petrel* multibeam launch, one Hourston single beam launch and the *Nahidik*. Sub-bottom profiling, side-scan sonar and towed underwater video will be deployed from *Nahidik* and the single-beam launch. For the last five weeks, data will be collected at several sites between Sachs Harbour and Spence Bay (Taloyoak).

A survey crew with a Hourston single-beam launch will be aboard CCGS *Pierre Radisson* in the **eastern Arctic** to continue the survey of harbours and approaches Hudson Strait and Foxe Basin started last year. This survey will start in mid-July for eight weeks with Tim Janzen HIC.

ANNOUNCING THE 2001

CANADIAN HYDROGRAPHIC ASSOCIATION CENTRAL BRANCH

ANNUAL BARBEQUE!!



Date: Saturday, July 7th

Time: 1:00 p.m.

Place: The Biggar residence in Carlisle.

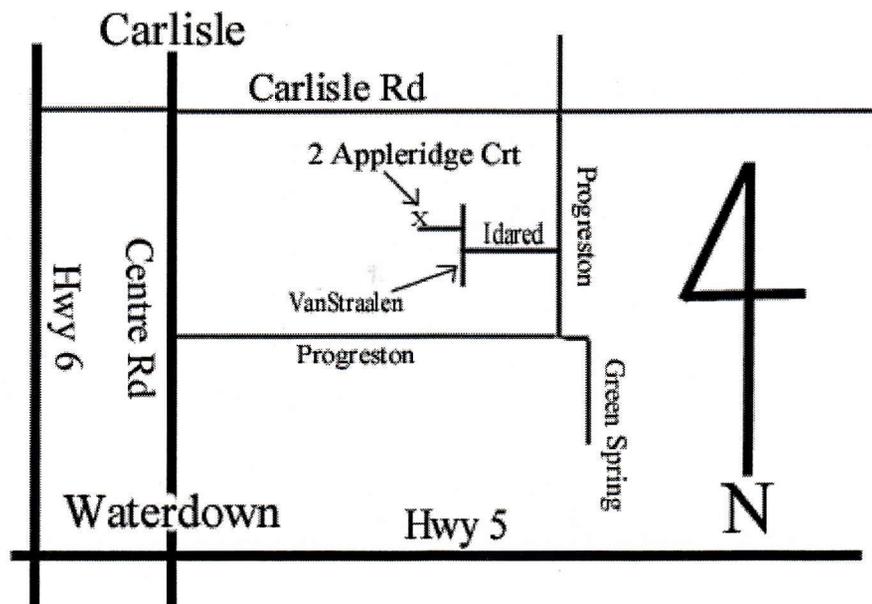
All CHA members, families and friends are invited to attend.



Hotdogs and hamburgers with all the fixings, plus beer, wine and pop will be provided. Please bring either an appetizer, munchies, salad, or dessert and a lawn chair.



Location: 2 Appleridge Court, Carlisle



Directions: 10 minutes north of Waterdown, first grey brick one storey home on the right hand side in the court. Telephone: (905)689-0227



The CHA Academic Awards Program: A Report on Activities

By Barry M. Lusk

The Canadian Hydrographic Association Award will be offered again this year to a Canadian student entering 2nd year of a course associated with the broad subject area of hydrography and geomatics.

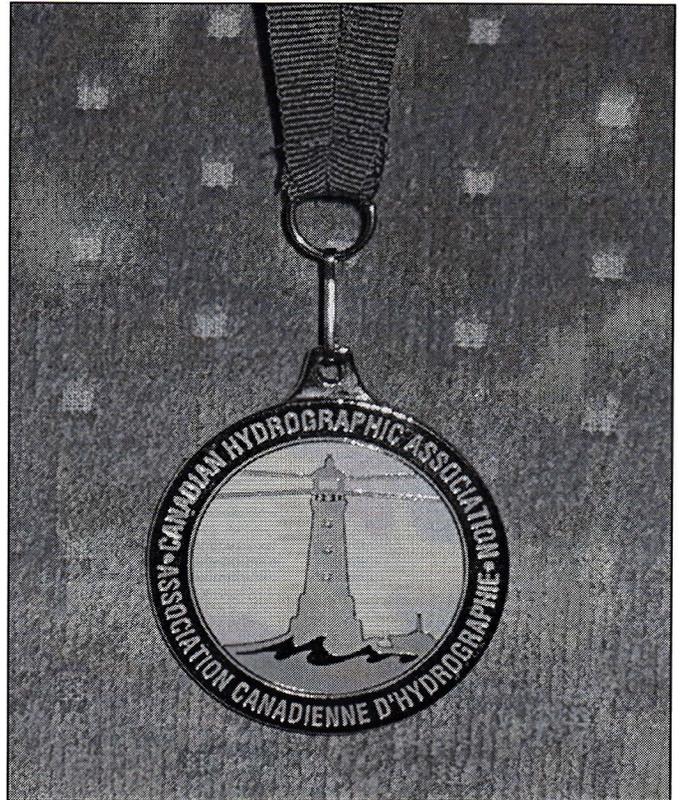
Each year, twenty-five Universities and Technical schools across Canada are sent application forms, brochures and rules encouraging their awards offices to have qualified students in their schools apply for this award.

Applications are open until the end of June each year, during which time we normally receive 20 to 30 applications. Each year a number of these applications are judged to be non compliant, either because the student is in an inappropriate faculty or is entering a year other than the second year of an undergraduate programme. We usually get 15 or so appropriate submissions.

The award was originally structured to recognize those students who could demonstrate a real financial need along with acceptable academic performance and, for the most part, I believe the seven previous winners have all met this criteria.



The CHA Student Awards Perpetual Plaque



The CHA Student Awards Medallion

When all the acceptable applicants have been chosen, a small committee reviews the applications and chooses a winner. This usually takes place during the month of July. A \$2000 cheque is then drawn in the winner's name. Along with the cheque the winner gets his/her name on our perpetual plaque, an engraved CHA medallion and a framed certificate. A covering letter to the winner requests that he express his thanks for the award through a letter to be published in Lighthouse.

We will be making our 8th award in July of this year and are expecting a good number of applications.

Previous winners have come from the following schools:

- Centre [College] of Geographic Sciences, 3 winners
- University of Calgary, 2 winners
- Laval University, 1 winner
- British Columbia Institute of Technology, 1 winner

Please contact me for more information:

Barry Lusk, Manager
CHA Academic Awards Program
4719 Ambleswood Drive
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Telephone: (250) 658-1836