

### 2010









### Tourisme de croisière dans l'Arctique canadien Une cartographie inédite des itinéraires des navires

(Selon les classes polaires (CP) des navires, par années)

# ALASNA (F-U) Tuktoyaktuk Paulatuk Resolute Tuktoyaktuk Paulatuk Rugulutuk Cambridge,fáy Umingmaktok CANADA Chesterfield Inlet Chesterfi











This map by Pierre-Louis Têtu, Université Laval was the winning entry for the Carto-Quebec Prize at the AGM in Edmonton. Other President's Prize winners can be seen on page 11.

Cette carte de Pierre-Louis Têtu, l'Université Laval a été la gagnante du Prix Carto-Québec lors de l'AGA à Edmonton. Les lauréats du Prix du Président autres peuvent être vus sur la page 11.

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"To put a city in a book, to put the world on one sheet of paper -- maps are the most condensed humanized spaces of all...They make the landscape fit indoors, make us masters of sights we can't see and spaces we can't cover."

- Robert Harbison, Eccentric Spaces

# EDITOR'S MESSAGE Chris Storie

What an exciting six months (or so) it has been since our last issue. We had our annual meeting in Edmonton (Carto 2013) with ACMLA which was a resounding success. We have a couple of new interest group chairs – Welcome Cameron and Tracey – and are moving along, already, with preparations for Carto 2014 which will be hosted along-side Congress 2014 at Brock University. The location, venue and our little meeting within the larger event is coming together nicely. We are fortunate to have two great individuals – Lori Martin and Christine Earle – who are our point people in St. Catharine's ensuring that our voice is heard and that we are represented fully at Congress. Stay tuned for more information as it develops. I encourage people to read the notice in this issue and to consider submitting a paper for presentation at the conference. If you have any questions please don't hesitate to contact me.

Please enjoy the issue. We are excited to present several contributed articles by CCA members and are always open to work being done that people would like published. Thank you to all who have submitted and thank you to Weldon Hiebert for putting together another wonderful issue.

### Gerald Fremlin (1924-2013)

FREMLIN, Gerald - b. July 15, 1924, d. April 17, 2013, Clinton, Ontario. Gerald Fremlin was a geographer / cartographer who edited the 1974 edition of *The National Atlas of Canada*. With Arthur H. Robinson he wrote *Maps as Mediated Seeing: Fundamentals of Cartography*. Gerry enlisted at age 17 and was bombaimer RCAF 1942-45. 37 operations from 103 Squadron, Elsham Wolds; 550 Squadron, North Killingholme; 582 Squadron (Pathfinders) Little Staughton. After WWII Gerry achieved a BA in English and Philosophy and MA in Geography at the University of Western Ontario. Gerry was known for his lively curiosity and ready wit. He was a philosopher, painter and poet with a taste for the absurd. He will be sorely missed by his wife Alice [Munro], and by family and friends too numerous to mention. Private family arrangements are entrusted to Falconer Funeral Homes, Clinton, Ontario.

Obituary from yourlifemoments.ca

http://www.yourlifemoments.ca/sitepages/obituary.asp?old=700628



BORDERS WITHOUT BOUNDARIES May 24 - 30, 2014





The Congress of the Humanities and Social Sciences and the Canadian Cartographic Association (CCA) invite you to attend Congress2014: Borders Without Boundaries at Brock University in St. Catharines, Ontario. Information about Congress 2014, including registration and accommodation can be found at their website: <a href="http://congress2014.ca/">http://congress2014.ca/</a>

The Canadian Cartographic Association will have their meeting from May 27-30 starting with an ice breaker and possible field trip (to a local winery) on the Tuesday. We have planned a joint Geomatics Day with the Canadian Association of Geographers (CAG) on Wednesday, May 28. Thursday, May 29th will consist of regular sessions with the Annual General Meeting during the lunch session.

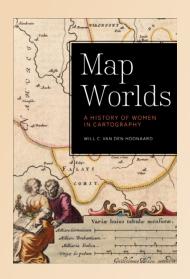
**Ist Call for Papers:** Members of the CCA are invited and encouraged to submit papers related to Cartography and Gl-Sciences for Congress 2014. Members are encouraged to organize special/thematic sessions of their choosing in consultation with the programme committee. Deadline for submissions is January 17, 2014. All submissions and/or questions regarding the programme can be sent to Dr. Christopher D. Storie (c.storie@uwinnipeg.ca).

Le Congrès des sciences humaines et sociales et l'Association canadienne de cartographie (ACC) vous invitent à assister au Congrès2014 : les frontières sans limites à l'Université Brock, à St. Catharines, en Ontario. Informations sur le Congrès, y compris l'inscription et l'hébergement, peut être trouvé sur leur site web: http://congres2014.ca/

L'Association canadienne de cartographie auront leur réunion du 27 au 30 mai en commençant par un brise-glace et possiblement une excursion à une viticole locale le mardi. Nous avons aussi planifier une journée Geomatique conjointe avec l'Association canadienne des géographes (ACG), le mercredi 28 mai. Le jeudi 29 mai comprendra des séances régulières avec l'assemblée générale annuelle au cours de la séance du déjeuner.

Ier Appel à communications : Les membres du l'ACC sont invités et encouragés à soumettre des articles liés à la cartographie et GISciences pour le Congrès 2014. Les membres sont aussi encouragés à organiser des sessions spéciales / thématiques de leur choix, en consultation avec le comité de programme. La date limite pour les soumissions est le 17 Janvier 2014. Tous les commentaires et / ou questions sur le programme peuvent être envoyés à Dr. Christopher D. Storie (c.storie @ uwinnipeg.ca).

### Map Worlds: A History of Women in Cartography



Map Worlds plots a journey of discovery through the world of women map-makers from the golden age of cartography in the sixteenth-century Low Countries to tactile maps in contemporary Brazil. Author Will C. van den Hoonaard examines the history of women in the profession, sets out the situation of women in technical fields and cartography-related organizations, and outlines the challenges they face in their careers.

The book explores women as colourists in early times, describes the major houses of cartographic production, and delves into the economic function of intermarriages among cartographic houses and families. It relates how in later centuries, working from the margins, women produced maps to record painful tribal memories or sought to remedy social injustices. In more contemporary times, one woman so changed the way we think about continents that the shift has

been likened to the Copernican revolution. Other women created order and wonder about the lunar landscape, and still others turned the art and science of making maps inside out, exposing the hidden, unconscious, and subliminal "text" of maps. Shared by all these map-makers are themes of social justice and making maps work for the betterment of humanity.

Will C. van den Hoonaard is a professor emeritus of sociology at the University of New Brunswick and the author or editor of eight books. Most recently, he authored a series on ethics in research, including the acclaimed The Seduction of Ethics. His current interests cover qualitative research, research ethics, Bahá'is, human rights, and the world of map-makers. He is a Woodrow Wilson Fellow.

http://www.wlupress.wlu.ca/Catalog/vandenhoonaard-map.shtml

### PRESIDENT'S MESSAGE Anna Jasiak

# Mapping out Changes for the CCA



have taken the opportunity to reflect on the many changes that continue to take place in both our association, and the cartographic experiences we are now being exposed to. Change is everywhere – with technology, the push of information, both for the desire to access more and to be able to deliver more, and our desire to keep pace with the information around us.

Understandably we have very little control over the information beyond our association walls. We do however have control over how we hope to share our information and how we wish to interact with others in the same domain of cartography, mapping and geoscience. I am pleased to report that since our Annual Conference in Edmonton, (June 11-14, 2013), we as an association have been taking steps towards solid changes to various aspects of our CCA public face. Under the guidance from the executive, and under the leadership of our Vice President (Dr. Christopher Storie) and a long standing member (Dr. Roger Wheate) work is being done towards updating and rebuilding our website, which will not only be easier to manage and update, but will provide broader bundles of cartographic resources for our audiences wishing to learn more about cartography, mapping references and cartographic standards and guidelines. We will be posting changes online as they become available. The aim is to create an online space that would encourage audiences, such as students, to visit our website with a confidence of finding relevant information that would help them better understand the principles of cartography. I make reference to our Facebook presence once again and am happy to report an ever increasing volume of visitors that post cartographic references, announcements and events. It has also been an excellent informal communications venue for our association to relay our own CCA news. I encourage our CCA community to step forward with any and all ideas on how we can better bring our cartographic message forward into our community.

I step back to the topic of our most recent conference in Edmonton, Carto 2013 "North by West, Preserving the Present as We Journey to the Future" http://blogs.library.ualberta. <u>ca/carto2013/?p=1</u>. I greatly appreciated the warm reception and cooperation provided to us by Dan Duda, President of the ACMLA, and his conference organizing committee. For those of you that were able to attend, I am sure you observed the strong level of participation from our own CCA membership. With regards to our CCA efforts, many thanks are extended to Paul Heersink for organizing an ESRI workshop, "Creating and sharing maps with ArcGIS Online". Paul was also responsible for presenting a paper on "The Challenges of Creating a National Topographic Base Map". On a similar topic – topographic in nature - Roger Wheate delivered a paper on "The Series that Canada Lost". As the Conference theme suggests – the past and the present were the focus - and in support of the past - Andreas delivered a variety of papers on the digital reproduction of David Thompson's manuscript map of northwest North America at full scale. This topic and map was also introduced at the ice breaker event which was attended by all CCA and AC-MLA delegates. The joint conference planning committee were highly successful in securing keynote speakers for this conference, which included Aileen Buckley from ESRI, where she presented "The Stories Maps Tell: Exploring Online Maps through the Adventures of Canadian Canoe Voyageurs". Her discussion flowed perfectly into the demonstration and presentation of the new GeoGratis, and Earth Sciences Sector GeoSpatial Portal delivered by Eric Kramers from Natural Resources Canada. Aileen in her discussion made several references to what she described as the "rich geospatial data available" on GeoGratis and how it was used to support her own research. One of our newer members, Ted Mackinnon, further demonstrated where cartographers and map enthusiasts can go to find abundant amounts of Canadian geospatial data, as relayed in his presentation entitled "Where to go to find Open Data on the Web". I was fortunate to secure 3 speakers in support of my session that focused on "The Challenges and Opportunities for Data

# Carrowelle

Collection and Management in the North". The session heard from Chuck Humphrey who spoke on "Preserving Northern Research Data: Experience from the International Polar Year"; John Huck spoke to the "Developing Guidelines for the Use of the North American Profile Metadata Standard for Science Data"; and David Hik spoke about "Linking Local, National and International Data Collection and Management Efforts Across the North". Byron Moldofsky finished the CCA contribution with a "Proposal for a Canadian Historical Geographic Information System". As one reads through this list of presentations and topics, it is clear that the CCA contingent of the joint conference delivered on a broad range of themes covering both the past and the future with regards to cartography, mapping challenges and data delivery.

In the tradition of supporting junior cartographers, the CCA encourages students from both colleges and universities to submit maps for the map competition. Julia Siemer, our Interest Group Chair for Education, coordinated the collection and judging of all submissions. Please refer to the article by Julia which summarizes the results of the map competition for 2013. If you wish to learn more about the CCA Awards, Prizes and Scholarships, please go to <a href="http://www.cca-acc.org/awards.asp">http://www.cca-acc.org/awards.asp</a>.

It has been many years since the Norman Nicholson Scholarship has been awarded. I would like to share with you the news of the recipient for the 2013 award, Thomas Herbreteau, a student at the Centre of Geographic Sciences in Nova Scotia, where he is currently furthering his education in geomatics, GIS and cartography. His technical and analytical skills in GIS and cartography, together with his passion for cartography, a passion developed since childhood, has been recognized by his academic community, who nominated him for this award. To read more about the origin of this CCA award, go to <a href="http://www.cca-acc.org/norman-nicholson.asp">http://www.cca-acc.org/norman-nicholson.asp</a>.

I would like to take this time to formally thank Nigel Waters (George Mason University, Department of Geography and GeoInformation Science) on behalf of the CCA, for generously contributing much of his time and expertise as the Cartographica Editor. He has been recognized by his peers as one who has elevated the quality and calibre of this internationally recognized cartographic journal. Nigel Waters has asked me to acknowledge the help and support of his two Cartographica Editorial Assistants, Jenell Walsh-Thomas and Lori Mandable, respectively -- both graduate students at George Mason University. Cartographica has held the reputation as the best peer-reviewed collection of papers in cartography and the visualization of geographic information. The success of Cartographica has

also been supported by the efforts of Paul Wozniak, the current Cartographica Maps and Figures Editor. The CCA executive, together with the University of Toronto Press, has not yet announced the new Cartographica Editor for 2013-2014.

Additional changes to the CCA executive include the stepping down by Paul Wozniak as the Interest Group Chair of the Mapping Technology and Spatial Data Group. We thank him for his many years contributing to the CCA, at the executive table, as author of numerous articles in Cartouche and as a participant at conferences. He is being replaced by Tracey Lauriault, a Post-Doctoral Fellow, Geomatics and Cartographic Research Centre, Carleton University. Tracey is known for her extensive knowledge and interest in geospatial data archiving and open data initiatives. She is a regular contributor to the CCA and CARTA listservs, keeping her colleagues abreast of news and ideas pertaining to all aspects of mapping and geospatial data. She is presently residing in Ireland as she pursues a new research assignment. Fortunately electronic communication allows her to contribute easily and the CCA welcomes Tracey, her energy and enthusiasm, to the executive.

Last but not least, our plans for the 2014 CCA Annual meeting and conference are well under way. The decision has been made to join the 2014 Congress – Federation of Humanities and Social Sciences as a participating Association member. We will also be coordinating various joint activities and sessions with the Canadian Association of Geographers (CAG). The CCA Conference is scheduled to take place at Brock University in St. Catherine's, Ontario from May 27th – May 30th, 2014. Once details are available, they will be posted on the cca listserv, website and facebook site. Now is the time to encourage members in the vicinity of the conference to share the news with academia, students and professors, colleagues in the private sector and public sector, to welcome their attendance at this meeting and to encourage them to participate by delivering a presentation, poster session or workshop!

Finally, thank you to the executive in supporting me through my first year as President, and I am encouraged already by the ongoing support into my second year.

# PAST PRESIDENT'S MESSAGE Gerald Stark

### **Greetings fellow CCAers!!!**



want to begin by thanking those of you who were able to attend CCA Annual General Meeting and conference at the University of Alberta this past June in Edmonton. I was particularly pleased with the participation by several of my colleagues from the Government of Alberta. More specifically, I hope that those who did attend were able to sit in on a couple of presentations which discussed two on-line mapping related viewers developed by Alberta Agriculture and Rural Development (ARD).

The two viewers that ARD had been developing over the past several years are the Alberta Soils Information viewer (http://www4.agric.gov.ab.ca/agrasidviewer/) and the AgroClimatic Information Service or ACIS (http://agriculture.alberta.ca/acis/). The former provides detailed soil information maps of the agricultural areas of Alberta (Fig. 1). The latter allows the us-

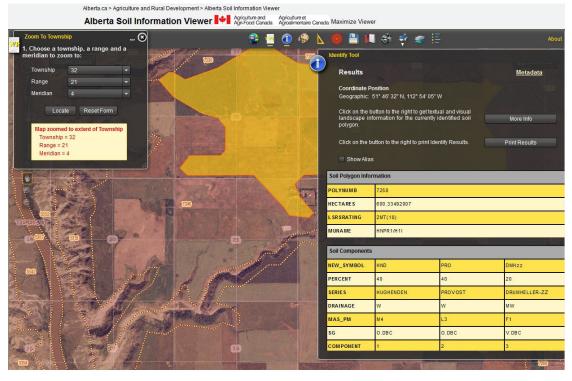
ers to view current and historical weather and climate data for Alberta using graphed and mapped information (Fig. 2).

Both viewers have evolved into a popular tool for agricultural producers, agrologists, land use planners, researchers, consultants, educators, realtors and so on.

Figure 1. Screen shot of The Alberta Soil Information Viewer, showing the result of enabling the Identify tool to provide information about a selected soil polygon (highlighted in yellow).

I encourage my fellow CCA members to check out these viewers and provide feedback.

On other matters, I want to let you know that there will be changes to the make-up of the CCA Executive Committee. An announcement will be made soon with some familiar faces taking on different positions with the Committee as well as some new comers joining us as well. All of these changes will become official at our next conference which is scheduled to be held at Brock University in St Catharines, Ontario from May 27th to May 30th in 2014. I look forward to seeing you at this gathering.





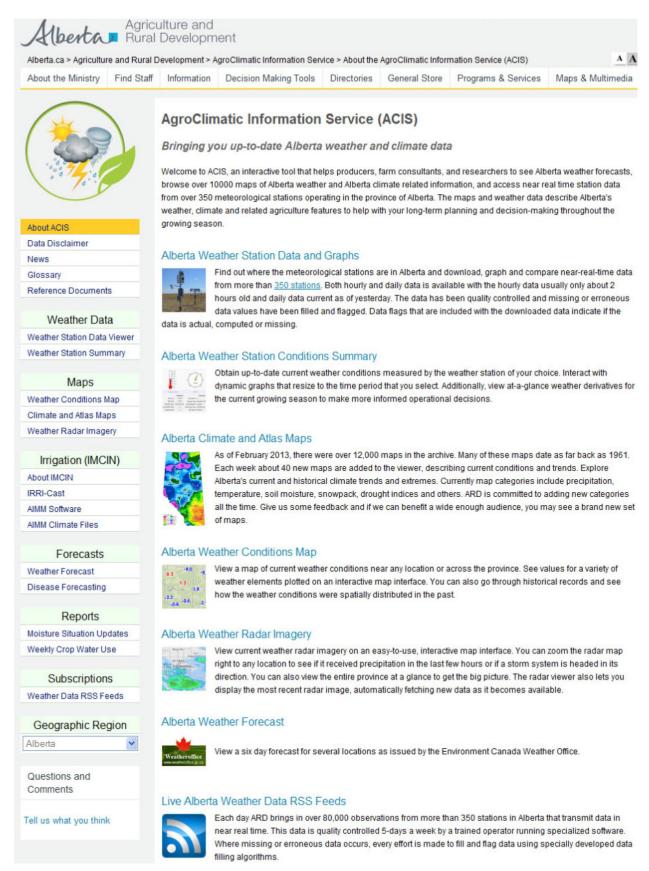


Figure 2. Screen shot of the Alberta Climate Information Service homepage, showing the various types of data available to the user.

# FEATURE ARTICLE Stephen Prashker Carleton University

# Mobile Cartographic Application Innovations – A Commentary



ith the current explosion in portable, location enabled technology like smartphones, tablets, phablets and others, this author has previously thought of great business ideas for use of the technology, only to find out that it already exists or is in the process of being developed. One such idea, which was thought to be great for a class project in my Seminar in Cartography course, was to map out locations of products in grocery or department stores. Who has not entered a WalMart Superstore looking for a car battery or coffee maker only to be faced with a football field sized floor containing dozens of aisles of various types of consumer products. You stand at the store entrance and wonder where to find the product. You attempt to seek out an employee who may be able to assist you with your quest, but can't find one, which frustrates you even further. You then start your trek into the unknown to find what you are looking for. An hour later and after walking what feels like several kilometers, you arrive at the correct destination only to find out that they are out of stock!

This location meets store inventory scenario sounds like a perfect match for a smartphone or tablet app that answers these two key questions: Where are the coffee makers located, and what models are available, or more generically, where is this product I am looking for and what models, types, brands, sizes are available? It is also a worthy example of how to get cartography students to critically assess and analyse what information would be required to make a system like that work, and how to present that information in a useful manner. Considerations would not only involve cartography and geomatics, but retailing methodologies, consumer habits, sale information etc. that would all attempt to enhance the consumer's shopping experience. Clearly several types of information would be required, locational and non-locational, such as:

- A floor plan of the aisles and open areas of the store layout, which may have to be converted from a Cad drawing to an intelligent layer in a GIS.
- Topological information as to the left side right side of the aisle.
- 3. Spot location information of open area product displays
- 4. Current location of the consumer, i.e. geolocation of the smart device in the hand of the consumer, i.e. You are here!

- A database of products and their location in the store, inventory quantities.
- 6. An interface on the app that allows searches for products or a categorized list of products by product type.
- 7. Map display of product location within the store.
- 8. Quickest path to get there.

Of course this list is not comprehensive, and there are several issues that must be considered for each type of information. But in the end, you are hoping that what will be displayed on your smart, location enabled device is the location of the product you are seeking, if there is stock of the product, and the most efficient way to get from where you are to where the product is located in the store.

As it turns out, there is such an application (probably one of many) that has been developed for retailers to assist customers with their shopping, named <a href="Aisle411">Aisle411</a>. This service seems to provide retailers with all of the necessary tools to geo-locate inventory, check stock status, and provide customers with the most efficient route to navigate through the store to find the item they are seeking. All the customer needs is the app running on their tablet or smartphone, the selection of the particular retail outlet, the selection of the merchandise they are seeking and voila, a map efficiently directs them to their impending purchase. Mentioning this app idea to a colleague, he responded with "A student of mine did the low tech version of this 20 years ago!", proving that good ideas prevail even without fancy hardware and software!

The point is the ubiquitous nature of these devices has spawned a plethora of mobile apps, many of which use and require spatial information that is processed and presented to users as a map. It seems that there will be no end in sight for the innovative uses of spatial data, especially in mobile platforms, answering the questions Where is it, What's near it, How do I get there, and the many other questions just waiting to be thought up and answered in an app. This author sees a bright future for students of the discipline in creating and developing novel applications that take advantage of the technology and its use of spatial information. Now where's the nearest Pizza Pizza?

### **FEATURE ARTICLE**

Tom Spears, Ottawa Citizen Newspaper

Republished from September 4, 2013

# Carleton's Cartographer Draws the Map Differently; Interactive Maps Analyze, Represent and Interpret Data

A Carleton University mapmaker has won an international gold medal for cartography, but he doesn't make things that most of us would recognize as maps.

ou can't just draw some towns and roads and call it a complete map, Fraser Taylor teaches. His field is cyber-cartography, which includes the socio-economic and cultural aspects of places. "Basically the (traditional) map shows how to get from A to B, and occasionally rivers and lakes and topography," he said. "Location is now key to modern life, and you can link all kinds of things, both qualitative and quantitative information, by location, and present that information in new ways."

While we usually think of just looking at a map, "you can use sound, touch, smell, taste ...," he said. Take his *Lake Huron Treaty Atlas*, produced in co-operation with the Anishinaabe people around northern Lake Huron and Lake Superior. The atlas, still in progress, is a package combining photos, historical notes, biography, video and audio interviews. For instance, a viewer can click on a map of the Great Lakes and find the history as remembered by the Anishinaabe. An example: "1764 - Meeting at Niagara. Many Indian Nations of Turtle Island attended this event. What surfaced was the Two Row Wampum; Two Canoes side by side (as allies) moving into the future."

Because different people learn in different ways, a user can choose to listen, to look at pictures or to go through charts and graphs. Taylor also works in the North, using information from the Inuit. There's a sea ice section in that atlas, from the Inuit viewpoint of ice as a useful extension of the land, not the southern view of ice as an obstacle to ships and oil exploration.

"Cartography has changed dramatically from what it used to be, and our atlases are really metaphors for all kinds of information," all organized by location. The International Cartographic Association has awarded him the Carl Mannerfelt Gold Medal in recognition of his career. This is the highest award in cartography, given about 12 times in the past half-century. It is the first time a Canadian has won it.

"We need new forms of mapping," Taylor said. Everybody accepts the need for maps, "but they are thinking of maps as a way-finding device," he said. "We are seeing the map as a means of analyzing, representing and interpreting some of the key problems facing society."

And the future? He has an Atlas of the Risk of Homelessness in Canada, which examines Toronto, Montreal and Calgary, and which he would like to extend to Ottawa.

"Some of my colleagues are beginning to map emotion interactively." Report a dangerous street or a happy moment at a restaurant, and that feeling is mapped by location, along with other people's feelings. Finding your happy place has become literally possible.

Back in 1970 he launched a computer atlas of Ottawa-Hull showing how language, levels of education and income relate.

Now the technology has gone far past that. He says the gold medal is also international recognition of his group at Carleton, the Geomatics and Cartographic Research Centre.



Fraser Taylor

# New Version of the GeoGratis Web site

The Canada Centre for Mapping and Earth Observation (CC-MEO) is very pleased to announce improvements to the GeoGratis Web Site.

Among the new features are:

- A Data Extraction Tool (Seamless data);
- New API tools (GeoLocation and GeoGratis API);
- A list of the Most Popular Products;
- Toporama: Interactive Topographic Map;
- Download Directory by products categories.

Come and see us!

www.geogratis.gc.ca

### Nouvelle version du site web GeoGratis

LeCentre canadien de cartographie et d'observation de la Terre (CCCOT) a le plaisir d'annoncer quelques nouveautés au site web GeoGratis.

#### Parmi les nouveautés :

- Un outil d'extraction de données (Données en continu);
- De nouvelles applications (API de GéoGratis et de géolocali sation);
- Une liste des produits les plus populaires;
- Une carte interactive topographique Toporama;
- Répertoires de téléchargement par catégories de produits.

Passez nous voir!

www.geogratis.gc.ca

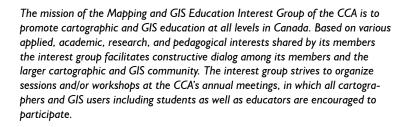






# **EDUCATION INTEREST GROUP Julia Siemer**

# **Student Maps Draw Attention** at CARTO 2013



hose of you who attended CARTO 2013 in Edmonton this past June will have noticed that this year's student mapping competitions received several high quality entries by students from universities and colleges from across the country. A total of 14 maps were sent in from British Columbia, Saskatchewan, Ontario, Quebec, and Nova Scotia. Students mapped a variety of themes with topics ranging from Acadian settlements of the Belle-Isle region, to health maps and visualization of indoor movements on university campus to tourism in the Canadian Arctic. GIS-based maps as well as "more traditional" thematic maps were showed in the competitions and received attention by conference attendees.

After much deliberation among the jury members the following maps were announced to be this year's winning entries.

"The Growing Epidemic of Lung Cancer: A Profile in Toronto" by Miry Choi, U of T (category President's Prize – university) [figure I]

"Acadian Settlement of the Belle-Isle Region 1636-1755" by Scott Comeau, COGS (category President's Prize – college) [figure 2]



"Tourisme de croisère dans l'Arctique canadien – Une cartographie inédite des itinéraires des navires" by Pierre-Louis Têtu, Université Laval (category Carto-Quebec Prize/Prix Carto-Québec)
[cover]

Congratulations to all three winners! Well done!

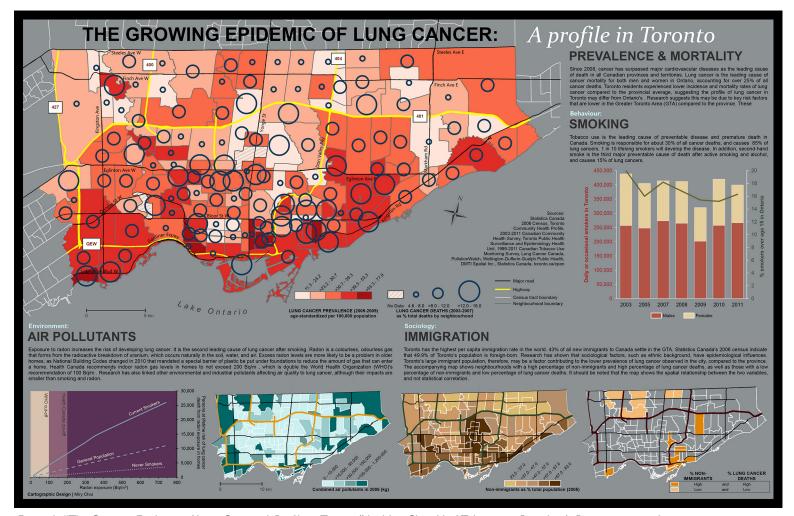
Please watch out for next year's mapping competitions and encourage your students to submit their maps. This is a great way to showcase your and your student's work.

In addition to our mapping competitions there is typically also an award given out to the best student paper presentation at the annual conference. Please encourage your students to submit papers as well.

Julia is currently an Associate Professor in the Department of Geography at the University of Regina. Prior to this position she was the map editor and chief cartographer of the GIS-based Demographic Atlas of Albania, a first volume of the National Atlas of Albania. She has also held positions as cartographer in publishing houses in Germany and Switzerland and has taught cartography, GIS, and geography courses at University of Potsdam, University of Applied Sciences Berlin, Germany, and the University of Regina.

Her current research interests lie in the field of thematic and atlas cartography in general, and medical/health mapping, cultural and population mapping, and visualization of topographic base data for use in flood control in particular. Her education comprises a three-year apprenticeship as cartographer at Falk-Verlag publishing house, Hamburg, a Dipl.-Ing. in cartography from University of Applied Sciences Karlsruhe and a Dr. rer. nat. in cartography from University of Potsdam, Germany.





 $Figure \ I: "The \ Growing \ Epidemic \ of \ Lung \ Cancer: A \ Profile \ in \ Toronto" \ by \ Miry \ Choi, \ U \ of \ T \ (category \ President's \ Prize - university).$ 

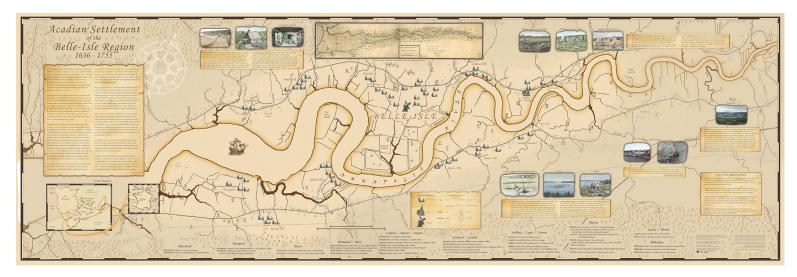


Figure 2: "Acadian Settlement of the Belle-Isle Region 1636-1755" by Scott Comeau, COGS (category President's Prize – college).

# HISTORY OF CARTOGRAPHY INTEREST GROUP Andreas Korsos

### 84 Degrees West to the Pacific Ocean



The mission of the History of Cartography Interest Group of the Canadian Cartographic Association is to promote the history and evolution of the cartographic process, reflect upon cartographic artifacts and historical maps, generated over time with special focus on, but not limited to, Canadian historic maps.

This group recognizes that historic maps are an invaluable complimentary tool for historic research as well as an important visual teaching tool for students of all ages. This group understands that historic maps are the earliest form of spatial data use, which has evolved into present day cartographic methodology. These cartographic products are a visual portrayal of our continued understanding of the ever changing spatial world we live in.

n June 13 at CARTO 2013, my colleagues and I had the pleasure of reintroducing David Thompson's (1770-1857) 'Map of North America from 84 Degrees West to the Pacific Ocean' to members of the Canadian Cartographic Association and the Association of Canadian Map Libraries and Archives.

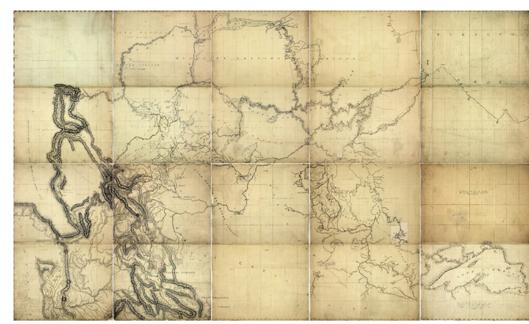
Our session was comprised of three parts; the first called attention to the realization that Thompson's map had to come home and if not the real map, a exact copy of it.

The presentation highlighted the technical efforts to recreate the map in a digital format so that it could be printed to its actual size for donation to the University of Manitoba (an effort almost finalized). The second part highlighted the research that has been performed by myself and my colleague David Malaher. Along with providing a genealogy of Thompson's known mapping, Malaher more importantly highlighted our stunned realization that the map located at Kew, although sharing the same spatial extents as it predecessors, was completely recalculated by Thompson for, at this point, an unknown reason. The final portion of the session was presented with Rosemary Malaher and dealt with the complexities of large institutions accepting and storing digital data whether through donation or collected by the institution.

Commonly referred as the Great Map or the 1814 Map; the first version of this map was created by Thompson and handed over to William McGillivray of the North West Company on June 10, 1814. The map encompassed an area from 45 degrees to 60 degrees north latitude and 84 degrees to 126 degrees west longitude and is lost or as some contend misplaced.

The pristine condition of the map will make it a perfect study piece for multiple disciplines not the least of which may include geographers, cartographers and surveyors. Soon to be housed at the University of Manitoba's Library, our gift of David Thompson's 'Map of North America from 84 Degrees West to the Pacific Ocean' is finally home; available for the intense research it so richly deserves.

Andreas Korsos, Cartographer and Geographic Information Analyst





# DESIGN and GEOVISUALIZATION INTEREST GROUP Shawn Mueller

### **Calgary Flood Maps**

The mission of the Design and Geovisualization Interest Group of the Canadian Cartographic Association is to maintain visibility on the vital role that data quality plays in geovisualization and map design. Data quality determines what is available for analysis and representation. Therefore, this interest group is devoted to illuminating all facets of data quality, including, but not limited to, data collection, selection, augmentation, metadata, situate knowledge, and data ontology construction.

This interest group realizes the connection between geovisualization and data, and that geovisualization cannot function without sources of good quality data. Geovisualization provides views on data concerning the goals of analysis, so geovisualization as a generator of coherent representation and as a vehicle of geospatial data exploration is of major interest to this group.

This group also realizes that map design plays a vital role in this enterprise. Map design functions best when it refines the analytical and exploratory visualization in accord with the communicative situation. It is in this light that this interest group regards map design, acknowledging that it is through the auspices of map design that greatest consideration is taken for the map percipient.

In summary, this interest group of the Canadian Cartographic Association appreciates the relationship among data, geovisualization, and map design as a single entity, and that each is fundamentally incomplete without the other.

uring the early summer of 2013, the city of Calgary and southern Alberta experienced significant flooding. The responsiveness of emergency and municipal personnel has been praised but little comment has been made about the quality of maps used to keep the public, emergency services, and law enforcement informed and co-ordinated, the impact and completeness of predictive flood extent mapping notwithstanding. Three examples of electronic interactive mapping products are the focus of this discussion.

The City of Calgary Floodway/Flood Fringe map, provided by the City of Calgary website (see Figure I) presents small scale map segments of an affected area. These maps are modified remnants of older automated mapping systems used by the municipality. Their transposition into a downloadable .pdf format through the website functions smoothly. These maps lack the legibility demanded by

crisis situations, where the communicative situation is constricted by anxiety and emergency. This requires maps of greater clarity, purpose-built for the occasion.

The Government of Alberta Ministry of Environment and Sustainability provides an online flood hazard map application similar to the City of Calgary's offering (Figure 2). The maps cover the entire province, allowing for comparison of flood risk exposure. Overall legibility is satisfactory, but small scale observations reveal the reliance on older map artefacts. Conventional high contrast street names, clear representation for immediate place/risk recognition, and elimination of clutter could be improved. However, a tool that provides linear and areal measurement that allows users to calculate gross size of affected areas, or distance to flood affected areas from any given point within their immediate view is provided.

Finally, the Calgary: Flooding 2013 interactive map (Figure 3) completed by GIScience Group, Department of Geomatics, Schulich School of Engineering, University of Calgary is the most effective. This map focuses on the needs of the population directly affected by the flooding in Calgary. This map, besides its high contrast and high visibility design, shows evacuation areas, affected communities, power outages, public transit closures, reception centres and accommodation, animal shelters, and volunteer call outs. The legend includes evacuation areas, waterways and a predicted 100-year flood extent, tools (zoom, pan, layer selection) and a search by street address function.

Natural disasters generate a variety of cartographic and visualization responses, not all of which are appropriate or even useful in crisis situations. One thing is clear: visualization products in crisis situations proliferate, and they proliferate according to utility, prior availability of data, and mapping technology facilities. It would make an interesting comparison to evaluate two or three cases of similar response in urban areas of North America to see if any commonality of detail and profiles of user-ship are consistent in these areas, or if there are new and novel forms of geographic information communication emerge relating to incipient crises.

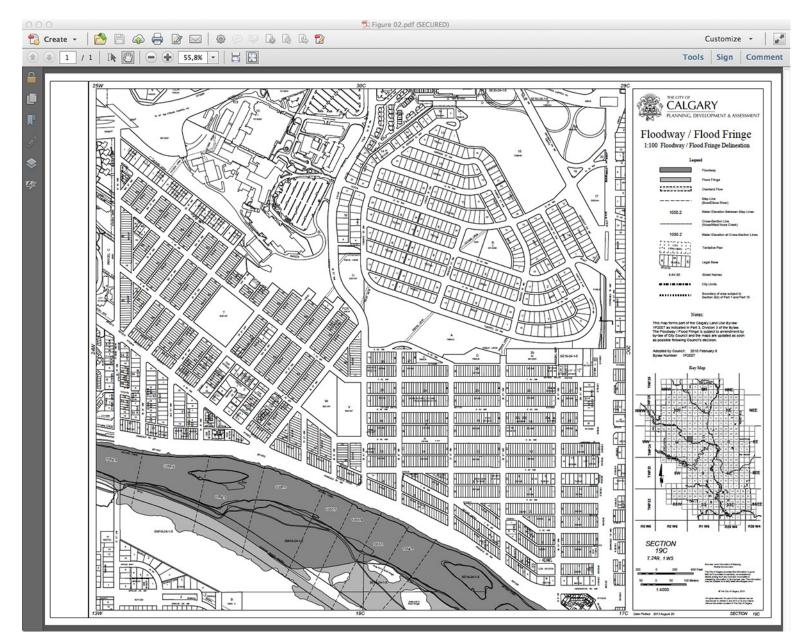


Figure 1: The City of Calgary Floodway/Flood Fringe map.

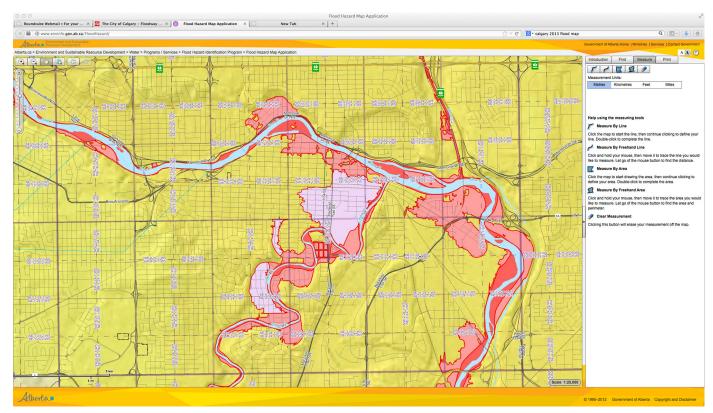


Figure 2: The Government of Alberta Ministry of Environment and Sustainability map. (http://www.envinfo.gov.ab.ca/FloodHazard/)

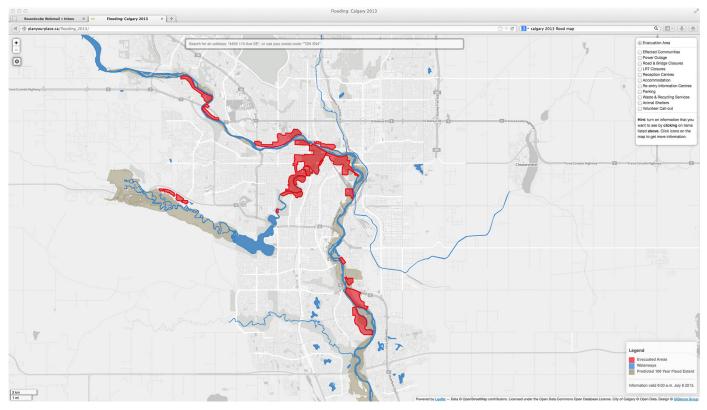


Figure 3: The GIScience Group, University of Calgary map. (http://planyourplace.ca/flooding\_2013)

# ICC RECAP Janet Mersey

# XXVI International Cartographic Conference: From Pole to Pole August 25 – 30th, 2013 Dresden, Germany



he beautiful city of Dresden in Saxony, Germany, was the venue for the 26th International Cartographic Conference. Situated on the scenic Elbe River, the Dresden International Congress Centre provided a spacious venue within easy walking distance to the city's cultural centre. The Opening Ceremony began with welcoming addresses by Manfred Buchroithner, President of the Conference Organizing Committee; Georg Gartner, President of the ICA; and Markus Ulbig, Saxon State Minister of the Interior. A special highlight of the opening ceremony was the airing of the film documentary Germany from Above, masterfully narrated by Manfred Buchroithner. The stunning aerial views of the country it presented were especially appropriate for this large group of mappers. Over 1400 participants from more than 80 countries registered for the conference, in addition to numerous other personnel manning the technical exhibits.

The Dresden International Congress Center on the Elbe River was an ideal venue for the conference technical sessions, poster displays, and exhibitions.

Each morning and afternoon of the conference began with a common plenary session delivered by experts in both the public and private mapping sectors. Éric Loubier, Director of the Centre for Topographic Information at NRCan, delivered a thoughtful keynote address entitled The Transformation of National Mapping Approaches in the Context of Geomatics Democratization. Loubier outlined Canada's successful GeoConnections program, and described the evolving federal vision for the provision of spatial data and integrated services. Other plenary presenters included Jack Dangermond, President of ESRI, and Christopher Board, Chair of the ICA Commission on the History of Cartography and formerly of the London School of Economics and Political Science. A highlight of the conference was the fascinating lecture delivered by Fenella France, Library of Congress, Washington DC, on the acquisition in 2001 of the 1507 Waldseemüller World Map. A scientist by training France described the advanced technologies used to examine the condition of the map, and to create an environmentally stable case in which to house it.

### **Scientific Program and Awards**

Prior to the official opening of the conference, ten ICA workshops were conducted by various commissions. These included an afternoon workshop of papers and activities co-organized by Sébastien Caquard (Concordia), Chair of the Commission on Art and Cartography, entitled Maps and Games in Dresden. The planned technical program included seven keynote speakers, over 900 oral and poster presentations, organized into 31 themes. The delegation from Canada, most of whom presented papers, included D.R. Fraser Taylor (Carleton Univ.), Roger Wheate (Univ. of Northern BC), Janet Mersey (Univ. of Guelph), Sébastien Caquard (Concordia Univ.), Jonathan Li (Univ. of Waterloo), Will van den Hoonaard (Univ. of New Brunswick), Yaïves Ferland (Laval), Michael Govorov (Vancouver Island University), Ng-Chen Taien (Concordia), Dany Bouchard (DBxGeomatics), Scott Shupe (Univ. of the Fraser Valley), Eric Loubier (NRCan),



Representatives from the Canadian delegation included (left to right) Will van den Hoonaard, Yaïves Ferland, Roger Wheate, Sébastien Caquard, Hansgeorg Schlichtmann, Jeff Wielki and Jan Mersey.

Julia Siemer (Univ. of Regina), Hansgeorg Schlichtmann (Univ. of Regina) and Jeff Wielki (Univ. of Calgary). The proceedings of the conference are available as a pdf file from <a href="http://icaci.org/files/documents/ICC">http://icaci.org/files/documents/ICC</a> proceedings/ICC2013/.

The conference's Technical Exhibition ran throughout the week, showcasing maps, cartographic software, and equipment from commercial vendors and government agencies. DBxGeomatics, a Canadian company based in Gatineau, Quebec, showcased its suite of applications for interactive web-based mapping.

Four scientific awards were conferred at the conference. D.R. Fraser Taylor became the thirteen recipient (and the first Canadian recipient) of the ICA Carl Mannerfelt Gold Medal, awarded to cartographers of outstanding merit who have made significant contributions of an original nature to the discipline of cartography. Kirsi Virrantaus (Finland) and Milan Koečny (Czech Republic) received ICA Honorary Fellowships, while Manfred Buchroithner (Germany) was awarded the Diploma for Outstanding Service to the ICA. Congratulations to all!

### **Meeting of National Committee Delegates**

Although the General Assembly did not convene during the ICC, one delegate meetings was held to discuss the proposal for organizing an International Map Year in 2015. The proposal was prepared by a Working Group on the topic, chaired by Bengt

Rystedt, and was supported by the ICA national delegates. Jan Mersey (Univ. of Guelph) represented Canada as Principal Delegate, while Will van den Hoonaard (Univ. of New Brunswick) served as Deputy Delegate.

### The International National Map Exhibit

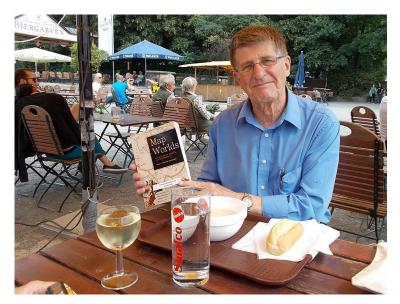
Featuring exceptional maps, globes and atlases from thirty-four countries, the International Map Exhibit occupied a central area in the lower level of the conference venue, where they could be perused during lunch or coffee breaks. The Canadian exhibit consisted of I I paper maps and 3 atlases, including a digital atlas. I wish to acknowledge and thank Dan Duda (Memorial University) and Roger Wheate (University of Northern British Columbia), for assembling and documenting the Canadian exhibit, and overseeing its transport to Dresden. The Map Exhibition Catalogue can be downloaded as a pdf file at <a href="http://icaci.org/files/documents/ICC\_proceedings/ICC2013/">http://icaci.org/files/documents/ICC\_proceedings/ICC2013/</a>.

We had a winner! The Circumpolar Health Atlas (edited by T. Kue Young, published by the University of Toronto Press, 2012) took second prize in the Atlas category. The exhibition catalogue describes this atlas: "Abounding with hundreds of vibrant, full-colour photographs and maps, this book presents a stunning and immersive portrait of like in the Arctic region, with an emphasis on the factors that contribute to human health in this area". Congratulations to everyone involved in the production of this beautiful book.

Although not published in time to be included in the Exhibition Catalogue, Will van den Hoonaard's latest book, Map Worlds: A History of Women in Cartography, was showcased at our display and advanced reading copies were available. Published by the Wilfred Laurier University Press, it will be released in the fall of 2013. This insightful book highlights the accomplishments of women map-makers from the 16th century to the present day, and includes vignettes of four contemporary Canadian cartographers.

# The Barbara Petchenik Children's World Map Competition

School children from thirty countries around the world participated in the World Map Competition, submitting 155 maps with the theme My Place in Today's World. All the entries were photographed and posted to the website <a href="http://www.explokart.eu/petchenik/">http://www.explokart.eu/petchenik/</a>. Thanks go to Karen Van Kerkoerle (University of



Will van den Hoonaard, Professor Emeritus of Sociology at the UNB, with his latest book, Map Worlds: A History of Women in Cartography.

Western Ontario) for organizing the Canadian children's map competition, which resulted in the selection of five outstanding Canadian maps that were sent to Dresden. Entries were submitted from Jeannie Lee (age 8), Allison Lee (age 9), Noah Bolton (age 11), Chloe Fan (age 14), and Jacob Dimla (age 14). The Canadian Cartographic Association provides a prize to each of the Canadian entries.

### **Future ICA Conferences and General Assemblies**

2015: The 27th International Cartographic Conference, with the theme Maps Connecting the World, is slated for Rio de Janeiro, from Aug. 23rd – 28th. The initial call for papers, along with preliminary conference information, will be available on the website www.icc2015.org. The deadline for the submission of papers is Nov. 15th, 2014.

The conference will be preceded by the I6th General Assembly of the ICA where national members have the opportunity to discuss and vote on issues pertinent to the mission of the ICA, including the selection of the executive and commission chairs. New commissions and working groups can also be approved. At the General Assembly, all member nations will submit their Five Year National Reports on Cartography. In Canada this is

published as a special issue of Geomatica, which will be submitted to the ICA in digital format. You will soon be receiving the Call for Papers for this issue, and I encourage geomatic specialists in both the private, academic and public sectors to consider submitting their work. Reports, as well as referred papers, will be included.

2017: Washington DC, USA, will host the 28th ICA conference. 2019: At the Rio meeting, a decision will be made on the 2019 conference venue.

# **Executive Positions Currently held by Canadians on ICA Commissions:**

### Commission on Art and Cartography:

Chair: Sébastien Caquard (Concordia University)

### Commission on Mapping from Satellite Imagery:

Vice-Chair: Jonathan Li, (University of Waterloo)

# **Executive Membership of the International Cartographic Association**

#### President:

Georg Gartner, Technische Universität, Austria

Secretary General and Treasurer: Laslo Zentai, Eötvös University, Hungary

#### Vice-Presidents:

Paulo Menezes, Federal Univ. of Rio de Janeiro, Brazil Sukendra Martha, Board of Geospatial Information, Indonesia Anne Ruas, Institut Géographique National, France Menno-Jan Kraak, ITC, Netherlands Liu Yaolin, Wuhan University, China Timothy Trainor, US Census Bureau, USA. Derek Clarke, Surveys and Mapping, South Africa

### Past-President:

William Cartwright, RMIT University, Australia

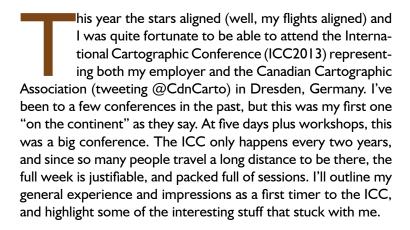
#### Editor ICA News:

Igor Drecki, University of Auckland, New Zealand

Janet E. Mersey, PhD, is Chair of the Canadian National Committee (CNC) on Cartography to the ICA and CIG Technical Councilor for Cartography

# STUDENT REPRESENTATIVE Jeff Wielke

# ICC, August 25-30, 2013: A Student's Perspective



Kenneth Field (Esri) ran a free one day pre-conference seminar titled "Mapping in the digital world." It was well attended and informative. There was consensus regarding the "good" and "bad" maps that are being created in the world, paralleled by "technical" vs. "cartographic" maps. The perception that emotional input in map making is not as common as it once was had everyone's emotions running higher. A good exchange of thoughts and techniques focussed on digital mapping followed the discussions of "the state of the art" of cartography. Aesthetics and emotion came up frequently during the discussions on communication via maps and a theme (or at least a question) seemed to emerge: What can we learn from print cartography that can be applied to web mapping? The consensus: the technology is getting there. It is a little behind our idealized aesthetic needs but the tools are slowly being developed.

The conference proper opened with overwhelming geography. Attendees were treated to a stunning "special director's cut" of an aerially shot film focussed on Saxony and Germany, narrated live by Manfred Buchroithner, President of the Organizing Committee. The film portrayed landscapes of the country from the forests and mountains to the urban centres and anything in between, including historical landmarks and gigantic mine sites.



The conference theme was "Pole to Pole" but "The Digital Age" featured in most sessions keeping the themes around aesthetics that came up in the pre-conference seminar alive. The general consensus continued to be true: technology for making very pleasing maps seems to be a priority to both cartographers and developers. This had heavy backing given the reputation of some of the agencies represented at ICC. One such agency, Swisstopo, had a massive representation at the conference. They not only had a booth at which they answered questions about their depictions of rock in the high alpine, but they also spoke at a number of sessions about the history of Swiss mapping and their latest generation of maps. The Swiss cartographers also started a bit of a buzz marketing trend resulting from the free Swiss topographic map ties they handed out to those keen enough to notice them.

Dr. Cynthia Brewer (known as the ColorBrewer lady to many) was in attendance. She and her crew of academics presented recent work on a revamp of the USGS symbology for their web maps and they were full of good tips to ensure the web based map was legible at a variety of scales on a variety of backgrounds. When the topic of halos came up, there was a groan of agreement that nobody really loves halos. In the end, it turned out that two halos are better than one: a high contrast halo to ensure features or text could be read, and a second halo on the same feature or label allowed it to slightly fade into the background. This has a subtle, almost vignette-like effect. This technique was also mentioned by the Ordinance Survey representatives. It's fairly simple when you know what to look for so I'll spare you the step-by-step in ArcGIS. Do get in touch and I can guide you through the double-halo process if you're interested.

If you haven't been playing "Top Cartographer" bingo while reading this short musing, it's worth pointing out that the agencies and people at the conference were definitely a who's who of cartography, plus some of the usual, yet very engaging, play-

ers from that large GIS software company that both frustrates and amazes us on a daily, often hourly basis. That large GIS software company's user conference might be the only other opportunity to network with this many truly international cartographers. ICC 2013 concentrated those data visualization folks into a smaller pool, which made the crowd feel more unified, in my opinion.

The map exhibition at conferences and gatherings are always a real highlight. The ICC exhibition was impressive. Canada had a good showing including a memorable map depicting a fictional ice cream island. Combined with other Canadian submissions, including Canadian Geographic, Canada came across as very creative. The ICC map gallery had representation from all around the globe, and every piece was polished. The children's maps were at least equal to the professional pieces given the way they captured and drew in the viewer. I thought I had browsed the map gallery thoroughly and was completely satisfied with the displays, but then realized on the sneaky in-between floor at the back of the conference center there were atlases and other interactive or 3D displays. A very neat "hacker" cartographic set up had an Xbox Kinect mounted above a small sandbox. The "user" could build piles or dig holes in the sand while the Kinect monitored the surface and illuminated it hypsometrically as the sand height changed in real time.

ICC2013 had something for everybody in cartography. Fantasy cartography, smell mapping, blind mapping, vegetation, soils, planets, history, satellites, virtual modeling, physical modeling, folding (yes, there actually was a session on folding, and it was quite good), online, real time, politics, watersheds, glaciers, oceans, mountains, (have you started playing carto bingo yet?) and most of the time there wasn't just a well made map; there was some serious science behind it. Combinations of these topics arose frequently as well. The Library of Congress (LoC) recently used a multispectral imagery scanner to analyse the 1507 Waldseemüller map. The multispectral imagery collected was analyzed using principal component analysis and has led to many interesting discoveries about the map, such as what portions were printed from copper engravings and which from wood-

cut. An interesting nugget that stood out to me was that the data collected shows that one of the "paste-ons" affixed to the map face is the blank back side of a prayer book page. The techniques used have given rise to the term "scripto-spatial" and outside of adding words to dictionaries the LoC has also engineered entirely new, nearly invincible display cases so the map can be on public display for the next 30 years with minimal disturbance and maintenance. History will live on.

Overall, I was impressed with ICC2013. Just like the Canadian Cartographic Association, the International Cartographic Association has many passionate members doing very interesting things. Unlike Canada, many of the attendees were from countries that are much smaller than the great white north. Data updates, complete map series reboots, high resolution, recent country wide imagery, and the ability to use your mobile phone for everything, everywhere were treated as universal truths in some of the higher density, pocket sized nations. The sheer size of Canada makes having an adaptation of some of the very cool projects and maps a less realistic possibility. For example, the Czech Republic's mapping agency was considering reworking the way all of the sandstone cliffs are portrayed on their maps nationwide. This would require some intense data collection, but they would likely have this completed within the year. Thinking about the effort that went in to Alberta's recently released and updated surficial geology map, I'm certain Provinces in this country would struggle to keep up with the seemingly casual goals of entire European nations. The weight of mapping Canada may be a burden that came to mind at ICC, but like many conferences, as I walked out of the conference centre past the old (yet new) churches of Dresden, I felt inspired. After browsing the ICC exhibition space, print cartography feels alive and well and yet I can't wait to browse through my printed maps in a car that navigates itself to the library or the museum. Hopefully that self-driving car is as close as some ICC presenters are predicting.

If you want to look back on the events as they happened, the conference hashtag was #ICCDD2013 or just follow the CCA @CdnCarto on Twitter.

# ANNUAL MEETING RECAP Roger Wheate

# CARTO 2013, Edmonton, June 11-14 Joint annual meeting of the ACMLA and CCA



he 2013 annual meeting was hosted by Larry Laliberte and his team at the University of Alberta.

The opening day featured 3 workshops, with most CCA members attending one by Paul Heersink on 'Sharing maps with ArcGIS online'. The evening icebreaker was held in the atrium of the historic Rutherford Library building, with free flowing beverages and the first viewing of David Thompson's 1826 map of western Canada (see History of Cartography, page 13). The next two days opened with invited keynote talks: the first by Barbara Belyea on "A map with nine makers" describing the contributions of 9 mapmakers to Aaron Arrowsmith's 1795 map of North America. The second by Aileen Buckley entitled "The stories maps tell" utilized online map tools to explore the 18th century Adventures of Canadian Canoe Voyageurs. On the first day, sessions on historical cartography (talks by Dan Duda, Roger Wheate, Morgan Hite, Rebecca Bartlett), new millennium cartography (Paul Heersink and Glenn Brauen) and a special session on the David Thompson map, the highlight of the conference, coordinated by Andreas Korsos, with David and Rosemary Malaher. The afternoon session was interrupted by the announcement of a tornado warning and during the afternoon break, members viewed raining hippos and water buffalos (cats and dogs just don't describe it) from the safety of the buildings. The intensity was enough to deter potential orienteerers and cancel the evening participation event, although the classic Alberta weather change ensured conditions were quite suitable for the local O-people used to such rapid changes.

After the keynote, the second day continued with an excellent summary of the new Geogratis by Eric Kramers and Open Data sources by Ted Mackinnon. The afternoon continued with a special session coordinated by Frank Tough on First Nations mapping "Old Directions and New Trails" with talks also by Kisha Supernant and Stephen DeRoy, the latter by remote connection. The final session, arranged by Anna Jasiak on "The Challenges and Opportunities for Data Collection and Manage-

ment in the North" focused on the specialization at the host university on northern data issues, with talks by Chuck Humphrey, John Huck and David Hik. The day wrapped up with the banquet at the Old Timer's Cabin along the river trail from the campus. This was as close to a perfect setting I have seen for a conference finale, and cannot be adequately summarized for those who weren't there. All delegates present raised their evaluation of Larry Laliberte and his team from perfect to sublime – best banquet site and event by a country mile .... when is the next conference here?

One of the several ideal novelties of the meeting was convening in a different building and portion of the campus each of the 3 days, yielding a variety of breakfasts, views and ambiences. On the third day we were treated to a rooftop garden of the Alberta School of Business building. This last half-day contained our only concurrent sessions. On one side, Alberta Open Data, Thematic Mapping and Viewers featured talks by Alberta government representatives introduced by Gerald Stark: Mark Diner, David Spiess, Steven Pawley and Ralph Wright. collectively they gave a wonderful overview of the advanced data collection procedures in the province. Concurrently, New Millennium Library Research Projects were detailed by Marcel Fortin and Byron Moldofsky, Andrew Nicholson, and Jean-François Palomino. In the final session, local mapping projects were illuminated by Matthew Dance, Kisha Supernant and Erika Luckert and appropriately Larry Laliberte concluding the conference.

I'd be hard pushed to recall a better annual meeting, in terms of the facilities, local organisation and program content. Our 2014 meeting will be held in conjunction with Congress2014 (Social sciences and Humanities) at Brock University in St. Catharines, Ontario. Please see page 3 for further details and plan to attend / contribute to the program. The Orienteering event planning is well under way - the chances of another tornado are infinitesimal.

# Carroughe

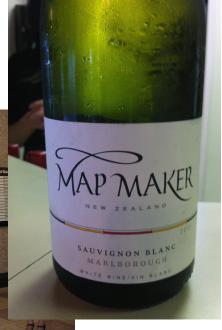
# **CARTO 2013 in pictures**



Icebreaker attendees (from left) Ted McKinnon, Aileen Buckley, Roger Wheate, Glenn Brauen and Morgan Hite. (Photo: Alberta Wood)



Wine with "latitude". (Photo: Anna Jasiak)



Unveiling of digital reproduction of David Thompson's manuscript map of northwest North America at full scale. From left David Malaher, Andreas Korsos and Rosemary Malaher. (Photo: Alberta Wood)



The Starks: Gerald and Diane. Winter is coming, but first, salad! (Photo: Anna Jasiak)



Cocktail hour before the banquet. (Photo: Alberta Wood)



Eric Kramers presenting the new GeoGratis web site. (Photo: Anna Jasiak)

The New GeoGratis

Canada

# MOUNTAIN CARTOGRAPHY WORKSHOP

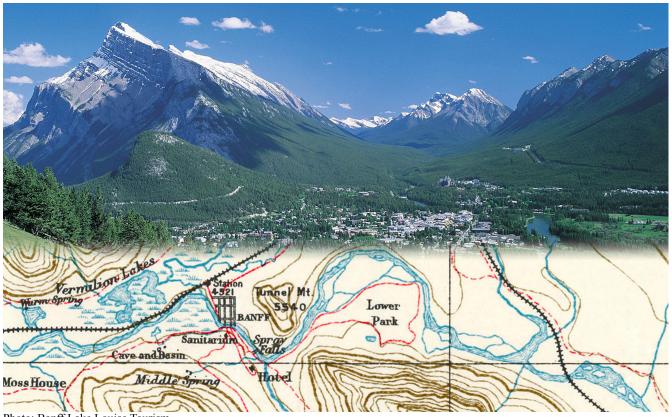


Photo: Banff Lake Louise Tourism

The ICACommission on Mountain Cartography and the Canadian Cartographic Association are pleased to announce the 9th Mountain Cartography Workshop (to be held for the first time in Canada).

The theme is *Mapping and Mountain Parks*; however, we welcome talks on any aspect of mountain and terrain related cartography, in a range of formats, including classic research papers, live software demos, and map discussions.

For workshop details, please visit:

www.gis.unbc.ca/banff2014

or contact: roger.wheate@unbc.ca



Venue: Hi-Banff Alpine Centre





# **2014 President's Prize Competition**

The CCA President's Prize recognizes excellence in student map design and production and is open to all post-secondary students who have completed and produced a cartographic project in the preceding school year. The 2014 President's Prize Competition will consist of two prizes of \$200, one for entries from college-level or CEGEP students, and one for entries from university level undergraduate students in the following category:

A thematic map on any subject. A thematic map is a map that is meant to communicate a specific single subject matter within a particular geographic area. They are often defined as special purpose maps and can be either quantitative or qualitative in nature. The International Cartographic Association (ICA) defines the thematic map this way: "A map designed to demonstrate particular features or concepts. In conventional use this term excludes topographic maps" (Dent 1999, 8).

### **Entry Guidelines:**

The cartographic project will consist of a single map. There are no restrictions on size but the project must have been completed and produced during the school year preceding the competition. Each entry must be accompanied by a clear and succinct statement of design objectives that will weigh heavily in the judges' decision.

Entries will be judged on the basis of creativity and overall effectiveness in communication as well as excellence in compilation, design, and layout.

Entries for 2014 are invited from all Canadian post-secondary students. All entries should be accompanied by an official entry form found on page 27 or on the CCA website (<a href="www.cca-acc.org">www.cca-acc.org</a>). Check website for deadlines. Mail submissions to:

CCA President's Prize Competition c/o Dr. Julia Siemer Assistant Professor of Geography Cartography and GIS University of Regina Department of Geography 3737 Wascana Parkway Regina, Saskatchewan S4S 0A2

### Concours pour le Prix du Président 2014

Le Prix du Président de l'ACC reconnaît l'excellence dans la conception et la production cartographiques par des étudiants. Tous les étudiants du niveau postsecondaire qui ont terminé et produit un projet cartographique au cours de l'année scolaire précédente sont admissibles. Le concours pour le Prix du Président 2014 décernera deux prix de 200\$, un pour les soumissions de niveau collégial et un pour celles d'étudiants du premier cycle universitaire, dans la catégorie suivante:

Carte thématique de n'importe quel sujet. Une carte thématique, aussi appelée carte à sujet unique, est une carte qui met l'accent sur un thème spécifique ou unique dans une zone géographique particulière. Elles sont souvent définies comme des cartes à usage spécial et peuvent être soit quantitatives ou qualitatives. L'Association cartographique internationale (ACI) définit une carte thématique comme suit: «Une carte conçue pour démontrer des détails cartographiques ou concepts particuliers. Selon l'usage conventionnel ce terme exclut les cartes topographiques» (Dent 1999, 8).

### Critères d'inscription:

Les projets cartographiques consisteront d'une seule carte. Il n'y a pas de restriction quant à la taille de la carte mais il faut que le projet ait été terminé et produit au cours de l'année scolaire précédant le concours. Chaque soumission devra être accompagnée d'un énoncé court et clair sur les objectifs de la conception de la carte. Cet énoncé sera crucial pour la décision du jury.

Les soumissions seront jugées selon la créativité et la façon dont le message est présenté ainsi que l'excellence de la préparation, la conception et la présentation du projet.

Le Président de l'ACC invite tous les étudiants canadiens de niveau postsecondaire à soumettre leur projet cartographique. Toutes les soumissions doivent être accompagnées d'un formulaire officiel de participation, disponible à la page 28 ou sur le site Web de l'ACC (www.cca-acc.org). Consultez le site Web pour les dates limites. Envoyer les soumissions à:

Prix du Président de l'ACC a/s Dr. Julia Siemer Assistant Professor of Geography Cartography and GIS University of Regina Department of Geography 3737 Wascana Parkway Regina, Saskatchewan S4S 0A2

### 2014 Carto-Québec Prize

The CCA is pleased to announce the offering of the Carto-Québec Prize, a special annual competition for the best student-authored cartographic product created in French. The award has been established through a donation from the former Carto-Québec Association to promote and recognize excellence in map design.

The competition is open to all post-secondary students in Canada who have completed and produced a cartographic project in the preceding school year. The Carto-Québec Prize will consist of two awards of \$500, one for entries from college-level or CEGEP students, and one for entries from university-level undergraduate students.

### **Entry Guidelines:**

Cartographic projects will consist of a map or a map series forming a coherent whole and may be submitted in any finished form (on paper or other medium). Entries submitted in electronic media, whether GIS or internet mapping applications, should not require specialized software for viewing.

There are no restrictions on the size of the map project or subject but the project must have been completed and produced during the school year preceding the competition. All documents must be in French.

Entries will be judged on the basis of creativity and overall effectiveness in communication as well as excellence in compilation, design, and layout.

Entries for 2014 are invited from all Canadian post-secondary students. They should be accompanied by an official entry form found on page 27 or on the CCA website (<a href="www.cca-acc.org">www.cca-acc.org</a>). Check website for deadlines. Mail submissions to:

Carto-Québec Prize Competition c/o Dr. Julia Siemer Assistant Professor of Geography Cartography and GIS University of Regina Department of Geography 3737 Wascana Parkway Regina, Saskatchewan S4S 0A2

# Concours pour le Prix Carto-Québec 2014

L'ACC a le plaisir d'annoncer le Prix Carto-Québec. Ce concours annuel, ouvert aux étudiants postsecondaires à travers le Canada, sera décerné pour le meilleur produit cartographique créé en français.

Ce prix a été établi grâce à un don de l'ancienne Association Carto-Québec pour promouvoir et reconnaître l'excellence dans la conception des cartes. Le Prix Carto-Québec comprendra deux prix de 500\$, l'un pour les soumissions de niveau collégial et l'autre, pour le niveau du premier cycle universitaire.

### Critères d'inscription:

Les projets cartographiques comprendront une carte ou une série de cartes formant un ensemble cohérent et pourront être soumis en version imprimée ou autre. Les soumissions électroniques, qu'elles comportent des applications SIG ou de l'Internet, ne doivent pas nécessiter de logiciel spécialisé pour les visualiser. Il n'y a aucune restriction concernant la taille ou le sujet de la carte, mais le projet doit avoir été fait au cours de l'année scolaire précédant le concours. Le projet doit être produit en français.

Les soumissions seront jugées selon la créativité et la façon dont le message est présenté, ainsi que l'excellence de la préparation, la conception et la présentation du projet.

Le Président de l'ACC invite tous les étudiants canadiens de niveau postsecondaire à soumettre leur projet cartographique.

Toutes les soumissions doivent être accompagnées d'un formulaire officiel de participation, disponible disponible à la page 28 ou sur le site Web de l'ACC (<a href="www.cca-acc.org">www.cca-acc.org</a>). Consultez le site Web pour les dates limites. Envoyer les soumissions à:

Prix Carto-Québec a/s Dr. Julia Siemer Assistant Professor of Geography Cartography and GIS Universi ty of Regina Department of Geography 3737 Wascana Parkway Regina, Saskatchewan S4S 0A2



Award:

# **CCA Prizes Entry Form 2014**

	☐ President's Prize ☐ Carto-Québec Prize	0/0/
Post-sec	condary category:  College or CEGEP Year or Level:   2 3 4 5 University	A
Presiden	nt's Prize Category:  Thematic Map	
Instructo	or's name and course name/number:	
	r and concise manner, state your design objectives of your prodesign choices:	oject and provide a rationale

In order to be eligible, this form must be submitted with your entry. Check website for deadlines. Send entries to:

CCA President's Prize or Carto-Québec Prize c/o Julia Siemer Assistant Professor of Geography Cartography and GIS University of Regina Department of Geography 3737 Wascana Parkway Regina, Saskatchewan S4S 0A2 Prix:

# Formulaire de participation des Prix ACC 2014

Prix du Président Prix Carto-Québec	
Catégories post-secondaires:  Collège ou CEGEP année ou niveau 1 2 3 4 5 Université	C
Catégorie Prix du Président:  Carte thématique	
Noms de l'instructeur et du cours numéro:	
Dans un style clair et concis, indiquez vos objectifs de conception d justification de vos choix de conception:	e votre projet et fournissez une

Pour être admissible, ce formulaire doit être soumis avec votre inscription. Consultez le site Web pour les dates limites.

Envoyer les soumissions à:
ACC, Prix du Président ou Prix Carto-Québec
a/s Julia Siemer
Assistant Professor of Geography
Cartography and GIS
University of Regina
Department of Geography
3737 Wascana Parkway
Regina, Saskatchewan
S4S 0A2





### **Norman Nicholson Scholarship**

The purpose of the award is to recognize and encourage exceptional student achievement and ability in any aspect of cartography. The award consists of a certificate and a cheque for \$500.

### **Eligibility:**

The award shall be made to a student in good standing who is registered full-time in a recognized college or university program. The student must be a Canadian citizen or landed immigrant.

The student should have the following student status: entering the final year of a community college of CEGEP program in cartography, OR entering the final year of an undergraduate honours program with a concentration in cartography, OR a student accepted into or enrolled in a graduate program with a concentration in cartography.

Any student awarded this scholarship is not eligible in any subsequent year. The award is tenable only in the year in which it is granted.

### **Application:**

A student member who wishes to compete for the award will submit an application consisting of the following:

- An official transcript of all college or university courses completed and grades received.
- Letters of recommendation from two faculty members who are familiar with the student's work and capabilities. Letters of Recommendation are to be sent directly to the Awards Committee.
- A one-page statement from the student regarding plans for continuing education in cartography.

The application will be submitted to the Awards Committee of the Canadian Cartographic Association by March 15th of the year in which the award is to be granted.

Your application and all letters of recommendation should be sent to:

Elise Pietroniro Secretary, Canadian Cartographic Association 708 Paul Metivier Drive, Nepean, Ontario K2] 2T4

For more detailed information concerning the Norman Nicholson Scholarship please read the following: http://www.cca-acc.org/norman-nicholson.asp

### Bourse Norman L. Nicholson

Le but de ce prix est de reconnaître et d'encourager les étudiants qui ont fourni un accomplissement et une compétence exceptionnels dans un aspect de la cartographie. Ce prix consiste en un certificat ainsi que d'une bourse d'études de 500\$.

### Éligibilité:

Ce prix sera remis à un étudiant en règle inscrit à temps plein dans un programme collégial ou universitaire reconnu. Cet étudiant devra être citoyen canadien ou résident permanent.

Cet étudiant devra être dans l'une des situations suivantes: entrer dans la dernière année d'un programme en cartographie d'un collège communautaire ou CEGEP, OU entrer dans la dernière année d'un programme universitaire de premier cycle spécialisé avec concentration en cartographie, OU un étudiant qui a été accepté ou qui est inscrit dans un programme d'études supérieures avec concentration en cartographie.

Tout étudiant qui recevra cette bourse d'études ne pourra être éligible pour une année ultérieure. Ce prix n'est valide que pour l'année de son attribution.

### Poser sa candidature:

Un étudiant membre de l'Association qui désire concourir pour cette bourse d'études doit soumettre sa candidature comprenant les éléments suivants:

- Un relevé de notes officiel de tous les cours collégiaux ou universitaires complétés dont les notes ont été reçues.
- Une lettre de recommandation de deux membres de la faculté qui sont familiers avec le travail et les capacités de l'étudiant. Les deux lettres de recommandations doivent être directement envoyées au Comité du Prix Norman L. Nicholson.
- Un document d'une page où l'étudiant exposera ses plans futurs concernant la poursuite de son éducation en cartographie.

La demande sera soumise au Comité du Prix Norman L. Nicholson de l'Association canadienne de cartographie au plus tard le 15 mars de l'année de l'attribution du prix.

Votre candidature, ainsi que les lettres de recommandation, doivent être envoyées à l'adresse suivante:

Elise Pietroniro Secrétariat, Association canadienne de cartographie 708 Paul Metivier Drive, Nepean, Ontario K2J 2T4

Pour de plus amples informations concernant la bourse Norman L. Nicholson veuillez consulter la page :

http://www.cca-acc.org/norman-nicholson fr.asp

### Canadian Cartographic Association (CCA) L'Association canadienne de cartographie (ACC)



### MEMBERSHIP RENEWAL 2014 RENOUVELLEMENT D'ADHESION 2014

All fees are in Ca dollars (no GST). note the additiona ing costs for me outside of Canada.	Please sont en dollars canad Il mail- (TPS nonincluse). Veuil	ien lez New Member / Nouveau membre stal O Regular / Régulier (1yr / année \$90)	
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City / Ville Prov / Prov Country / Pays Postal Code / Code Postal E-mail / Courriel:		Two Representatives / Noms des deux représentants:	
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Please Return to / Veuillez expédier à:	Canadian Cartographic Association c/o Paul Heersink, Treasurer 39 Wales Avenue Markham, ON L3P 2C4 Fax: 416-446-1639	O VISA O Mastercard Exp. Date:  Card Number / Numéro de la carte:	

treasurer@cca-acc.org



# Newsletter of the / Bulletin de Canadian Cartographic Association / l'Association canadienne de cartographie

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