

Number 82  
Summer  
2011

# CARTOUCHE

## **SPECIAL ISSUE**

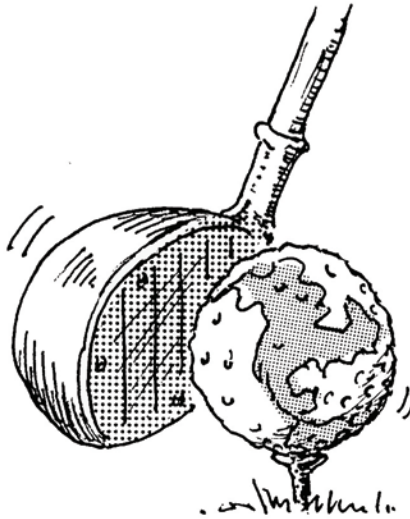
**Everything you need to know from the CCA's  
Annual Conference beginning on page 11**

### **Feature Article: Field Mapping in Western Mongolia**

>> Read more on page 4



Quarterly Newsletter of the  
Canadian Cartographic Association/Association canadienne de cartographie  
[www.cca-acc.org](http://www.cca-acc.org)



Drawing courtesy of Bill Brookes  
(Retired from the Geodetic Survey Division, Natural Resources Canada.)

## A Word from the Editorial Team

You will find in this issue of *Cartouche* a good overview of the hard work performed by the executive members throughout the last year and a glimpse at the interesting and fun events that made the CCA annual conference in Calgary. As you will read in this issue the CCA conference organizing committee succeeded to make the Calgary conference an outstanding event. Many thanks to all of you who made this event possible!

With this issue, you will also travel to Paris with Roger Wheate, Will van den Hoonaard and Janet Mersey, to Mongolia with Dan Cole, and you will go back in time in the British Columbia of 1848 with Ken Favrholt. Finally, Paul Wozniak will lead you through the mysterious cloud computing...

May the warm end of summer sun fill the reading of your *Cartouche*!

The Team



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## FEATURE ARTICLE

by: Daniel G. Cole



# Field Mapping in Western Mongolia

Leaving for Mongolia on June 8, I was not quite sure what to expect in terms of my contribution to this archaeological project. In addition, I was travelling alone since the rest of the team left the week before while I was at the CCA/CAG conference in Calgary. Regardless, travelling to the study area, via Korean Air to UlaanBaatar, EZNIS Airlines to Ulgii, and an old Russian four-wheel drive van for the rest of the journey on dirt “roads” to Lake Khoton (Khoton Nuur), I came to appreciate the beautiful desolation of the countryside. The semi-arid landscape is a glaciologist’s dream with cirques, hanging valleys, U-shaped valleys, moraines, drumlins, etc.

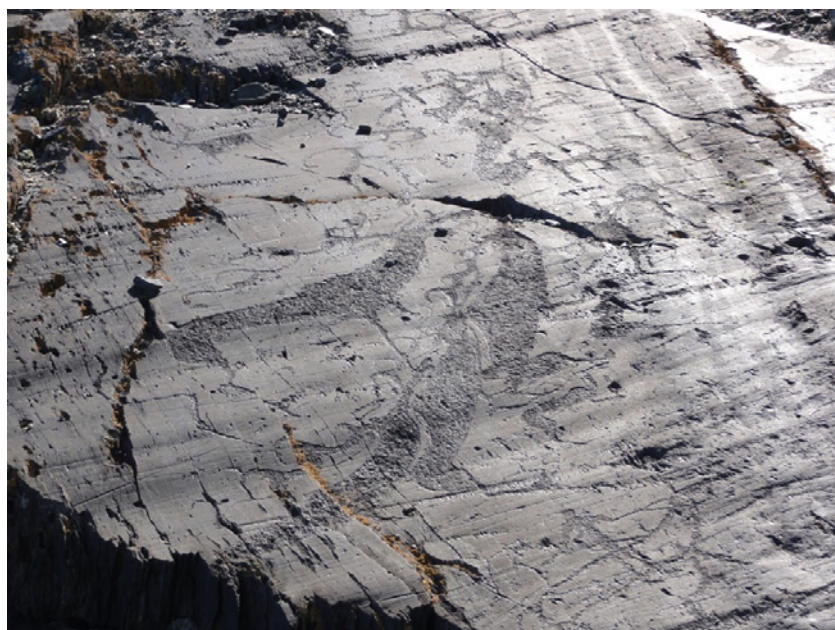


Figure 1: Petroglyph depicting mythic Mongolian deer

After arriving at camp, I started my daily routine of hiking 10-15 km/day by first setting up a network of ground control points around the hills where I would be collecting data, and then post-processing those

points to correspond to previous ground control points collected in 2009 as well as to the half-metre resolution satellite imaged stereo-pairs from GeoEye (see map on the cover). We are working with a wide range of dates and cultures (Neolithic, Bronze age, Iron age, and Turkic). During the following days, I was asked to plot specific petroglyphs (Figure 1), of which there were about 12,000 in the immediate area. Figure 1 is an example of a petroglyph depicting the mythic Mongolian deer (with curling antlers and bird-like snouts). I also plotted ceremonial and burial mounds (khirigsuurs), which vary in size from several meters to 60 meters in width, and in the shape of perfect circles (as in Figure 2) and not-so-perfect squares and rectangles.



Figure2: Ceremionial burial mounds

Additionally, standing stones (which were often grave markers) were mapped, varying from simple slabs that an individual person could put in place to massive stones, such as Figure 3, which would require several people to erect.



Figure 3: Standing stones



Decorated stones were mapped, including man stones and deer stones. Figure 4 depicts a deer stone which has a carved necklace, belt, and a sun or moon at the top. At one metre in height, this is a small stone; elsewhere, deer stones may be as tall as three metres with some of the same decorations along with Mongolian deer. Lastly, directional stone lines or balbals were plotted to see if they pointed to a sacred peak, an astronomical event, or some other cultural feature. I typically worked by myself, but occasionally with the archaeologists and art historians.



Figure 4: Deer stones



Figure 5: Snow-capped mountains

The weather did not always cooperate, with snow on the morning of July 4 (Figure 5), frequent rain showers, and very windy afternoons. And I often had to navigate through or around herds of sheep, goats, yaks, horses, and occasionally Bactrian camels.

During the five and a half weeks of working in Mongolia, we had a few days off from work to go on excursions to other sites, or to watch a local Naadam festival with wrestling (Figure 6) and horse racing (which is typically done by children riding bareback). These festivals occur around the country from July 1-9, with the national Naadam festival in Ulaanbaatar from July 11-13 and often includes archery as well.



Figure 6: Wrestling at the local Naadam festival

We also attended a local Kazakh wedding festival (Figure 7), where we witnessed lots of singing and dancing, and were treated to sweets, fried dough, Mongolian tea and fermented mare's milk (airag). Finally, we had visits to museums in Ulaanbaatar before returning home.



Figure 7: A local Kazakh wedding festival

Overall, it was a rewarding and enlightening experience for me, and I'm looking forward to next summer's expedition.

Author Daniel G. Cole is the GIS Coordinator at the Smithsonian Institution, Washington, DC.

**PRESIDENT**  
**Gerald Stark**



## **Greeting from the New CCA President**

Greetings fellow CCA Members!

As I embark upon my new role as your association President, I would like to provide my thoughts on a few items before we all take time to enjoy the summer.

I would like to begin by thanking the members of the CCA Executive Committee for their support and encouragement as I take on my new responsibilities. I must admit that I am somewhat humbled by my new role, as I have some very talented shoes to fill. My predecessors have always impressed me with their passion for all things cartographic, which is something I hope to maintain over the next year. I have had the opportunity to meet many of you face-to-face in the past, but for those to whom I have not had the pleasure I'll give a brief summation of who I am and my involvement in the CCA.

I have been a practicing cartographer for about 35 years. The past 22 of which I have worked for the Government of Alberta in Edmonton as a cartographer in the Department of Agriculture. Prior to this I worked as a freelance cartographer/graphic designer. I graduated from the University of Regina in 1975 and then went on to work on a Masters degree at the University of Alberta.

My membership with the CCA started in 1999 when I also attended the ICA conference in Ottawa. During the past 12 years I have also had the pleasure to meet several of my fellow CCA members at conferences in Edmonton, Victoria, Saskatoon, Vancouver, Wolfville (Nova Scotia), Regina and most recently Calgary, which I'll discuss a little later in this article.

As you have surmised, I have been part of the great change in mapping technologies over the past several years. However, despite the change in the tools map makers use to produce their product, it is still evident today as in the past that the best 'computer' we all have is the one on top of our necks. It has always been my view that good maps are made when the responsible cartographer has used proper judgment in understanding who is the audience for his or her map.



This was again evident at our most recent gathering in Calgary this past June. The theme of this conference, “Our Legacy, Our Future”, celebrated the 50th anniversary of the U of C’s Department of Geography. The Calgary venue repeated the opportunity in Regina in 2010 to partner with our good friends in the Canadian Association of Geographers (CAG). It has always been my contention that cartographers and geographers are of the same family, and it was as always, interesting to see the use of maps by geographers in their presentations.

In addition to the conference activities, there were of course our own CCA Executive and Annual General meetings to attend. The CCA Executive was offered an opportunity to meet in person the new editor of *Cartographica* – Dr. Nigel Waters. Dr. Waters discussed amongst other things, the new look to the latest edition of *Cartographica*, which you all should have received.

The Annual General Meeting amongst other things led to discussions about the CCA entering the social media age. I am happy to report that the CCA now has a facebook page (<http://www.facebook.com/home.php#!/pages/Canadian-Cartographic-Association-lAssociation-Canadienne-de-Cartographie/177748108946882>) and a Twitter account (<http://twitter.com/#!/CdnCarto>). Many thanks go to Dawn Mooney for getting our facebook page going and to our new CCA Student Representative Jeff Wielki for launching our Twitter account. I must admit that I am a bit of a ‘newbie’ when it comes to the online social media realm, but in order for the CCA to remain relevant to future cartographers I believe joining the facebook/Twitter world is necessary. I invite you to check out these sites and pass along this news to your friends and colleagues.

Other matters coming out of our AGM was the location of our next gathering to be held in 2012. While I cannot get too specific at this time, we will probably be heading back east for our next AGM. As soon as more details become available, I’ll let the membership know.

I would like to thank all of you for your support of the CCA, and to encourage you to contact me or any member of the CCA Executive if you have any questions, concerns or suggestions to make our association even better. I am optimistic about what lies ahead for the CCA and I hope you can bear with me as I get used to my new role.

Thanks again, and have a great summer.

Gerald

Gerald Stark is the President of the Canadian Cartographic Association. Gerald is a cartographer at Alberta Agriculture and Rural Development in Edmonton, Alberta.

## VICE-PRESIDENT

Anna Jasiak



# Getting the Message Out – New Opportunities for the CCA

I would like to take this opportunity to thank the CCA executive and members for the warm reception I received at the CCA conference in Calgary this past spring. I would also like to welcome all the new CCA members to the association. As a new member of the executive in the capacity as the vice president, I recognize that one of my principal roles for this year is to oversee membership. In considering my new challenge I reflected on the purpose of our organization – to “provide a forum to exchange ideas and information for the discussion on topics of mapping and cartography...advancing new ideas and promoting the education of cartography”. Our membership forum continues to evolve welcoming members from academia, the public service and industry, providing with them much knowledge and expertise.

We all recognize how maps and mapping has evolved into a big part of our day to day lives for all age groups. Mapping technology has become easily available and accessed by non-cartographers and non-geographers alike. In light of this positive interest in mapping one would expect that our membership in the CCA would be soaring. Unfortunately that is not the case. Earning the interest of new members, particularly enrolled in Geography and Geomatics programs in universities and colleges, has not been effective. Some questions come to mind: Do these students know our association exists? If not, then how do we reach them? Other similar associations such as the CAG, CIG, ACMLA, NACIS, AAG and others – other than their executive members, is the remainder of their membership aware of the CCA and what it has to offer? How do we ensure to connect to them? At the last executive meeting we had the opportunity to begin to discuss the potential of reaching potential members through a wide range of media. From the old fashioned telephone and email conversation to social media options.

Some of you may already be aware that the CCA has now joined the social media community, in an effort to start engaging new members. Many thanks to Dawn Mooney for developing the CCA facebook page: <https://www.facebook.com/pages/Canadian-Cartographic-Association-IAssociation-Canadienne-de-Cartographie/177748108946882>, and to Jeff Wielki, our new student representative, who has created a Twitter account on our behalf: <http://twitter.com/#!/CdnCarto>. The intention of these new media sources was not only to connect with new potential members, but to also create a casual arena for existing and non-members to become familiar with our association, initiate discussions, share news, ideas, pictures and upcoming events. Dawn and I are discussing a strategy to best link ourselves into existing facebook pages that reside on university and college websites. As the co-editor of our facebook page, I have spent the summer making links and posting comments to other related contact pages. I also plan to investigate how our website address can be made available on other association websites. I encourage you all to visit our new social media venues and provide us with your feedback or suggestions on how we can make them more effective. I am encouraged by the ideas that have been circulated so far and look forward to working with the executive and any CCA members that are interested in pursuing new avenues for promoting our association. Have a great fall and see you on facebook!

Anna Jasiak is Vice President of the CCA and works at Natural Resources Canada as a Geographer.



# CCA Annual Meeting at the CAG Annual Conference, Calgary. May 31 to June 3, 2011

## Conference Report by Roger Wheate

The CCA joined the CAG (Canadian Association of Geographers) hosted by the University of Calgary, where the Department of Geography celebrated its 50th anniversary. The conference was attended by 320 delegates of which 20 were CCA members. The first day involved executive meetings and an icebreaker.

The program for the Calgary conference over the next three days included seven sessions on GIScience, modelling and spatial analysis, mapping, and two special sessions on “Putting Metis on the Map”. There were eight presentations by CCA members:

- Preliminary GIS Analyses of Selected Archaeological Sites in Western Mongolia, Daniel Cole
- ‘Stomp’: The Ecological Footprint of Travel for a Competitive Girls Sports Team, William Crumplin
- Atlas of Canada: responding to the needs of today’s geography and social sciences teachers, Anna Jasiak
- Canada’s Community Map Program, Paul Heersink
- Atlas of Canada Moving Forward, Donna Williams
- Mapping patterns from the 1911 Canadian century research infrastructure microdate: Households and languages in 1911, Byron Moldofsky
- The dasymetric method for mapping population, Julia Siemer
- Mapping glacier retreat in the western Cordillera, Roger Wheate

Lunchtimes were occupied by meetings for *Cartographica*, the AGM and an executive meeting. The first evening featured the Orienteering event, with memorable but not ideal weather conditions. The banquet held at the Calgary Zoo was well worth the \$70 as Brian Keating, director of the Calgary zoo regaled his experiences in dramatic fashion. See <http://www.goingwild.org/> for a sample of his work.

At the AGM, Anna Jasiak was introduced as the incoming VP, Gerald Stark was installed as the new president, and Donna Williams progressed to the position of past-president, vacated by Dan Cole in time to commence five weeks of archeological mapping in Mongolia. Dan was particularly thanked for stepping into the VP role at short notice in May 2009. Jeff Wielki (University of Calgary) offered to set up a Twitter account for the Association and has been warmly welcomed as the new student representative on the executive. Janet Mersey has completed an eight-year term as Chair of the Canadian National Committee (CNC) for which we need to find a replacement. The Chair coordinates the National Report and Map display for the ICA congress, and liaises with the Canadian Institute of Geomatics. All Interest Group chair positions were renewed for a further year.

The meeting for next year is not yet confirmed, though the executive is considering again meeting with the CAG – which would be in Waterloo, Ontario. Following that, in 2013 the CAG hopes to meet in Whitehorse, as do the ACMLA. In 2014 Dan Cole has coordinated a potential joint meeting with CAGIS and NACIS in Niagara Falls (NY).



Figure 1: New CCA Executive for 2011-2012. From left to right: Nigel Waters, Donna Williams, Paul Heersink, Janet Mersey, Julia Siemer, Roger Wheate, Gerald Stark, Paul Wozniak, Dawn Mooney, Elise Pietroniro, Dan Cole, Anna Jasiak

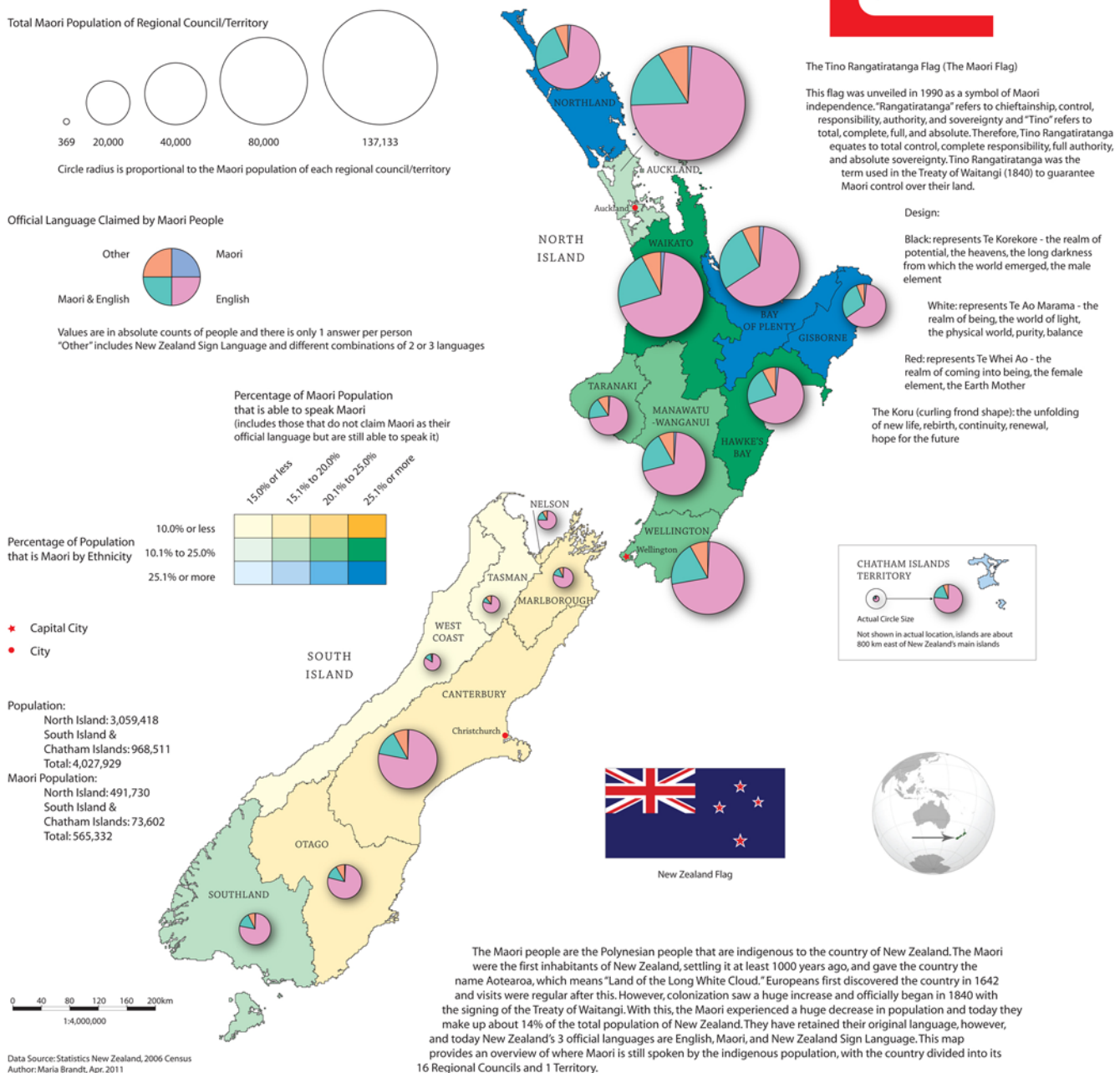


## 2011 Cartographic Prizes and Scholarship

This year we received 12 map entries for the President's Prize competition. The judging panel consisted of the CCA President Donna Williams, the chair of the Map Use and Design Interest Group Julia Siemer and the Past President, Dan Cole.

For the category University Level Undergraduate, there were two winners! "A Seismic Century: Earthquakes Killing 5000 Or More People, 1900-2000" by **Sharon Lonergan** of Brock University (no image available) and "New Zealand: Language Characteristics of the Maori Population 2006" by **Maria Brandt** of the University of Regina.

### New Zealand: Language Characteristics of the Maori Population 2006



The winner for the college level or CEGEP was: “*Sydney Tar Ponds and Coke Ovens Sites Remediation Projects, 2010*” by **Lisa Vaughan** from the Centre of Geographic Sciences (COGS).



**Congratulations to the winners!** Unfortunately, for some annual prizes there were no entries received. These are Carto-Québec, CCA Best Student Paper and the Norman Nicholson Scholarship award. Online Mapping did not take place as funds assigned were spent.

# 15<sup>th</sup> Nearly Annual CCA Orienteering Event, June 1<sup>st</sup>, 2011 by Diana Hocking

Another successful orienteering event took place at the CCA/CAG/ACUPP conference. Every one of the competitors deserves accolades simply for showing up, as storm clouds gathered and lightning flashed. Despite a thorough soaking from the torrential rain which poured down for the whole event, even the newcomers expressed enthusiasm for continuing in the sport. I am always pleasantly surprised at how little instruction our members need to enjoy the event. Most travelled in small cooperative groups, possibly a draw-back as the group gets larger and more chatty. We were pleased to see both geographers and a planner joining us, showing the regulars up (see results!).

The evening finished in the traditional fashion with awards at the Grad Lounge on U of C campus, where we just timed it right to catch the winning goal in a Canucks vs Bruins game in the Stanley Cup finals.



Thanks go to the local Foothills Wanderers Orienteering Club for re-organising their schedule to accommodate us, especially JP, Don and Sarah, who treated us to a well-organised electronically-scored event.

**RESULTS:**

Arthur Churchyard	ACUPP	35:47 minutes
Keith Batstone	CAG	37:41
Dawn Mooney & Roger Wheate	CCA	42:15
Carol Hunsberger & Jocelyn Plane & Carmelle Sullivan	CAG	44:25
Paul Heersink	CCA	57:49
Jan Mersey & Byron Moldofsky	CCA	68:49
Julia Siemer & Dan Cole	CCA	70:22
Donna Williams & Bill Crumplin & Anna Jasiak	CCA & CAG	(oops, not recorded - somewhat less points, but seemed to have had fun anyway)



Figure 1: Diana Hocking (front and left of centre) giving instructions. Others from left to right: Dawn Mooney, Janet Mersey (behind Diana), Julia Siemer and Dan Cole.



Figure 2: Electronic orienteering scoring devices, “On and read!”.



Figure 3: Donna and Julia demonstrate their electronic scoring abilities.



Figure 4: All the orienteering participants.



## 36th Annual General Meeting of the Canadian Cartographic Association Calgary, Alberta, Thursday June 2, 2011

### 1. Approval of the Agenda

Meeting called to order by Donna Williams, outgoing president of CCA. It was suggested that individuals read the reports on their own. A couple of reports were missing but will be published in *Cartouche*. Only brief overviews of reports were presented. Did not have enough participants to meet quorum for approval of motions; only 20 attendees. We will have to wait until we have quorum to approve any items passed at meeting.

Items added to Agenda; Diana Hocking to address members regarding orienteering; Also added an item to discuss president's term.

### 2. Approval of the minutes from the 35th Annual General Meeting, June 4, 2010

No quorum therefore no motion passed to approve minutes from last years AGM. To put forwarded to next AGM in 2012.

### 3. Matters arising from the 35th Annual General Meeting minutes

No matters arising from the 35th AGM.

### 4. Reports from the Executive and Appointees

#### a. President

Trish Connor was thanked for her work for the first year on *Cartouche*. It was also noted that the current editorial team will continue with their work for the coming year.

#### b. Vice-President

VP noted being part of the committee had been interesting and appreciated the exchange of ideas. He particularly enjoyed judging the maps in the President's prize map competition in Regina last year and gave thanks to the executive committee.

#### c. Past-President

Past president Dan Cole will address most of his report on item 6 in agenda on incoming executive, but part of his report discussed his role in the committee to find editorial team for *Cartographica* and in-coming VP which included Nigel Waters as Editor of *Cartographica* and Anna Jasiak as Vice President.

#### d. Secretary

Secretary, Elise Pietroniro thanked everyone for their patience and is finally getting comfortable in the job as secretary. Enjoyed working with current executive.

#### e. Treasurer

Paul Heersink, current treasurer, reported that CCA got the SSHRC grant; it was a little less than last year. We have approximately \$50,000 and some was put in a term deposit that we can play with. It was thought that SSHRC is funding for a three year cycle.

**Action Item:** Paul Heersink will look into this and verify and report back to committee. Most interesting part of this past year was the issue regarding signing authority but it finally got sorted out with some difficulty. This year the incoming president and treasurer have

already taken care of transferring signing authority for the coming year. He would like to continue this tradition in order to make the signing authority transition each year run smoothly and avoid issues that occurred when he took over in 2010. Current treasurer has been in this position for a year and a half.

f. Interest Group (IG) Chairs

1) GIS and Geovisualization (Analytical Cartography/GIS)

IG Chair absent from meeting.

2) Cartographic Education

Dawn Mooney is in her third year of this IG. She reported on updating the designs for the map prize certificates and created posters for these awards to entice students to join and will work on reaching out to students to do this.

3) Map Use and Design

Julia Seimer is starting her second year as chair of this IG. Noted that she was finding it difficult to find people to contribute articles to *Cartouche*. Editorial team members for *Cartouche* extended an invitation to all members to help find articles for *Cartouche*.

4) Mapping Technology and Spatial Data (Map Production Technology)

Paul Wozniak also finds it difficult to get people to contribute to *Cartouche*. He notes that he is looking for ideas to get articles together for the newsletter. Wondered how this impacts readers in their areas of interest.

5) History of Cartography

Ken Favrholt, current IG Chair for History of Cartography was not present however his report was available. It was stated that sending out general requests as noted in this report is not always effective.

g. *Cartouche* Editor

Anna Jasiak reports on behalf of the team and Diane Lacasse that they have been receiving submissions and are recognizing they (*Cartouche* editorial team) are editors and not providers to the newsletter. They do not want this to be an NRCan publication; want to see more CCA submissions. Treasurer wants clarification on some of the submissions for production of *Cartouche*.

h. Membership Coordinator

Treasurer alluded to the issue of members not renewing and noted that two members renewed at the conference. This issue will be addressed in item 11 of the Agenda.

i. Canadian National Committee for ICA

Jan Mersey, current delegate (outgoing) thanked everyone for appointing her to ICA. This is her last year as delegate ending at the Paris conference this summer. She is still working on how to provide online access to the national report. Noted that the children's map competition is completed and the entries will be available in *Cartouche*. Karen Vankerkoerle sent out certificates to the kids. International map competition also underway and panels were sent off.

j. *Cartographica* Editorial team

Nigel Waters handed out cards that included some highlights of *Cartographica*. He is happy and honoured to be in this position. A key thing was to try and keep as many of the editorial team on board as possible – essential in the transition from previous editor. To date, as

editor, Nigel has produced two issues for this year. New covers were designed for each issue 46.1 and 46.2. 400 additional copies of issue 46.2 have been shipped to Paris for the ICA and that means 400 advertisements for our journal. Issue 46.2 is a special issue on Internet mapping. Issue 46.3 is almost done. A regular issue 46.4 may be a special issue on visualization. Late in 2012 they may be looking for a special issue on robot cartography...it actually ties in with literature on cognitive mapping. Nigel is looking forward to some really exciting things happening in *Cartographica*.

k. CCA web page

CCA webpage – Denise Everett will continue for a year. Dawn Mooney will look into what needs updating on web page.

**Action Item:** Dawn Mooney will be going through the entire web site and will report any changes needed to Elise Pietroniro who will in turn report back to web master.

## 5. Conference Reports

a. Calgary 2011

It was reported by Roger Wheate that we did not have total numbers as of the time of the AGM. It was noted that a surprising number of people attending for only one day. There are to be about 100 people going to the banquet. This was not initially set up as a three-way conference. Organizing committee was very affable in allowing CCA to join in with them. There were approximately 20 members in CCA attending. Some issue might be that we've been three years now in the western part of Canada over the past four years.

b. 2012

We have yet to identify the venue. Executive committee will follow up with CIG and ask them about Quebec City in early July.

**Action Item:** As a backup, Donna Williams was approached about meeting with CAG in Waterloo. We will start with that investigation and have word out as soon as possible.

## 6. Introduction of Incoming Executive; Appreciation of work by outgoing ExCom members.

Dan Cole introduced the incoming executive. Gerald Stark incoming President, Anna Jasiak incoming Vice President and Donna Williams as Past President.

Elise Pietroniro, Julia Siemer, Paul Wozniak, Fiona Ryle, Dawn Mooney, Paul Heersink and Ken Favrholt to stay on another year.

Dan Cole is stepping down as past president. Donna Williams as incoming past president will now be part of nominating committee (see agenda item 8).

Roger Wheate commented on Dan Cole who replaced Cliff Wood as president late and then continued on as Past President and noted that the CCA owe him a huge amount of thanks.



## 7. Student Map Awards

Invitation to participate in the competition was late going out but we had 12 maps submitted; coordinated by Julia Siemer who also helped judge them along with Dan Cole and Donna Williams. The online mapping competition did not take place this year as funds assigned to this competition were spent. It was noted that until we can get more funding, this category would not be in the competition.

The winners of the President's Prize for 2011 are the following.

University (tied):

A Seismic Century: Earthquakes Killing 5000 Or More People, 1900-2000

by Sharon Lonergan (Brock University)

New Zealand: Language Characteristics of the Maori Population 2006

by Maria Brandt (U of R)

College:

Sydney Tar Ponds and Coke Ovens Site Remediation Project, 2006

by Lisa Vaughan (COGS)

**Action Item:** Julia will coordinate with Donna to send out prizes and certificates.

Winners' names and maps should be included in *Cartouche*.

**Action Item:** Julia will get digital copies of all winners and send to Elise (Secretary) for archiving.

Nigel Waters would like to publish the winners in *Cartographica*. Will have to check with U of T press and editorial team to verify if we could put them in both *Cartouche* and *Cartographica*. He would like to include a 1500 word description.

**Action Item:** Donna Williams will follow up with Nigel on this matter.

Byron Moldofsky wants the executive to consider re-instituting the online map competition even if we have to pay for the prize ourselves. It was noted that we have the money.

A point of consideration on this subject was that the interest earned on funds invested in 2009 was significant enough to possibly use towards the prize. It was noted that the prize does not necessarily have to be as large as last year which was approximately \$800 or so. The interest from our term deposit can be used as a guideline. Also noted that students get a free membership.

To be discussed further at the 2<sup>nd</sup> executive committee and/or conference call in November. A prize value should be decided early enough to give ample time to get information out to colleges and universities well before the conference in 2012.

## **8. Election of Nominating Committee**

Donna will be taking over heading up the Nominating Committee. Three new Interest Group chair's and Vice President's positions are up for nominations. Two people were needed to step up and help find people. Bill Crumplin volunteered to be on the committee. Also Byron Moldofsky and Paul Heersink agreed to help out.

## **9. Orienteering**

Diana Hocking stated that everyone had a great time at the Orienteering event despite the rain. Main awards were done the night of the event. The winner was a delegate from ACUP and 2nd, a CAG member. Diana had special certificates and awards for those who were missed on the night of the event and were on hand at the CCA AGM.

## **10. President's Term**

It was suggested at the first executive committee that there is an option for a two-year presidential term. We may institute it in the future. It was determined that it does not conflict with our constitution. It should be revisited each year there is a position up for nomination.

## **11. Future of the Canadian Cartographic Association**

Suggestions were made that we need to keep having conversations with other organizations such as CAGIS and NACIS. Work also needs to be done to encourage memberships and perhaps partnerships with other organizations. There are some clear ideas on mailing out to instructors, posters and looking into half-year memberships. However it is clear that some action needs to be taken on membership. This is part of the Vice President's tasks; Anna Jasiak will be helping with this along with Dawn and Elise to advertise our organization through posters and contacts. One member suggested getting some social media around CCA like Twitter to promote our conferences and newsletter. Makes for a good networking opportunity. It was noted that we did have a blog a few years ago that did not have many users.

Jeff Wielki is volunteering to set up a Twitter account and manage it. It was agreed that this appeals to the neo geographers and on-line mappers and it might introduce a new audience.

NACIS has a facebook page which some members have used. It was thought that facebook might be an interesting option. Dawn Mooney is willing to work on this.

While facebook is more of a general public social media it was discussed that for professionals we might want to use LinkedIn; it is a social site more for academia and professionals. Donna Williams and Gerald Stark will be back in touch with Jeff Wielki about social media ideas. It was also suggested that Jeff would be a good candidate for student representative as he is a current graduate student at the University of Calgary.

## **12. Any other business: None.**

## **13. Adjournment 1:35 pm.**

# **Canadian Cartographic Association, Notes To Financial Statements December 31, 2010 by Paul Heersink**

## **1. Purpose of the Organization**

The Canadian Cartographic Association is a private and non profit association whose purpose shall be the following:

- a) To promote interest in maps and related cartographic material.
- b) To further the understanding and knowledge of maps by encouraging research in the field of cartography, both historical and current.
- c) To provide for the exchange of ideas and information, and for the discussion of mutual concerns, through meetings and by publications.
- d) To advance education in cartography and in the use of maps.

## **2. Significant Accounting Policy**

The organization follows the cash basis method for accounting transactions.

## **3. Term Investment**

The term investment reached maturity on August 5, 2010 and, because of the events described in note 7 below, reverted to the CCA's general account where it still remained on December 31, 2010. This was reinvested in a term deposit on January 21, 2011.

## **4. Restricted Asset – Association Carto-Québec**

In 2002, Association Carto-Québec transferred the remaining funds in its organization of \$10,144 to the Canadian Cartographic Association. The money, as agreed, is to be used to fund an annual scholarship until depleted. As of December 31, 2010, \$8,144 remains in the fund.

## **5. Restricted Asset – Norman Nicholson Scholarship Fund**

The Norman Nicholson Scholarship fund is a term investment that reached maturity on August 5, 2010. Because of the events described in note 7 below, the funds reverted to the CCA's general account where it still remained on December 31, 2010. This was reinvested in a term deposit on January 21, 2011.

## **6. Restricted Asset – NRCAN Online Mapping Competition Fund**

In 2009, NRCAN provided \$2000 to the Canadian Cartographic Association to be used to fund an online mapping competition. \$1,600 was awarded as prizes at the 2010 annual conference. There is no money remaining in this fund.

## **7. Signing Authority / Banking Issues**

In July 2010 I received a call from the Bank of Montreal in St. John's where the account is based, informing me that neither I nor the current president had proper signing authority to the account. After numerous back and forth telephone calls, emails and visits to the local Bank of Montreal branches, the issue was finally resolved sometime in the fall. The delay was partly due to a mix up on the bank's part. As a result, the investments, which were due on August 5, 2010 and were scheduled to be rolled over into new term deposits, matured and were returned to the CCA's general account. The Bank accepted responsibility



for this mix-up and compensated us for lost interest (\$155). However, as of December 31, 2010, the investments were still in the general account, awaiting signatures from both the president and the treasurer. We were, however, able to continue with writing cheques and making deposits.

Once this issue has been sorted out it is recommended that the account's home be moved to the Bank of Montreal branch that is most convenient for the treasurer.

## **Canadian Cartographic Association Statement Of Revenue And Expenditures December 31, 2010**

	<b>2010</b>	<b>2009</b>
<b>Revenue</b>		
Membership fees	\$ 12,809	14,950
SSHRC grant	4,785	4,650
Conference profit	1,985	---
Conference expenses	1,000	---
Interest on bank account	4	6
Exchange gain	---	100
Nicholson scholarship fund deposit interest	155	188
Interest on term deposit	---	1,010
NRCAN Online Mapping Competition Fund	---	<u>2,000</u>
	<b>\$ 20,738</b>	<b>22,904</b>
<b>Expenditures</b>		
<i>Cartographica</i>	\$ 6,871	7,785
<i>Cartouche</i>	203	589
AGM travel	7,811	6,543
Conference expenses (catering & misc)	844	292
Norman Nicholson scholarship	---	---
Carto-Québec award	500	500
NRCAN Online Mapping Award	1,600	400
President's Prize	400	100
Best Student Paper	100	100
CCA Website (domain registration & design)	---	287
Bank charges and credit card merchant fees	649	659
Exchange loss	---	---
Office supplies, postage and photocopying	69	509
Telephone (including conference calls)	<u>494</u>	<u>796</u>
	<b>\$ 19,541</b>	<b>18,560</b>
<b>Excess of Revenue over Expenditures</b>	<b>\$ 1,197</b>	<b>4,344</b>

**Canadian Cartographic Association  
Statement Of Financial Position  
December 31, 2010**

<b>Assets</b>	<u>2010</u>	<u>2009</u>
<b>Current</b>		
Term Deposit (Note 3)	\$48,275	\$48,177
Cash	\$10,988	\$10,791
Association Carto-Québec Fund (Note 4)	\$8,144	\$8,644
Nicholson Scholarship Fund (Note 5)	\$8,994	\$8,976
NRCAN Online Mapping Fund (Note 6)	<u>\$-----</u>	<u>\$1,600</u>
	<b>\$76,401</b>	<b>\$78,188</b>
<b>Equity</b>		
Unrestricted Net Assets	\$59,263	\$58,968
Restricted Asset – Association Carto-Québec (Note 4)	\$8,144	\$8,644
Restricted Asset – Nicholson Scholarship (Note 5)	\$8,994	\$8,976
Restricted Asset – NRCAN Online Mapping (Note 6)	<u>\$-----</u>	<u>\$1,600</u>
	<b>\$76,401</b>	<b>\$78,188</b>

**On Behalf Of The Association**

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**Paul Heersink, Treasurer**

## President's Report 2010-2011 by Donna Williams

1. The year started off with the decision by Patricia Connor Reid to step down from the editor's role for *Cartouche*. Trish had delivered, single-handedly, six issues of our newsletter. This is an amazing commitment of time and I want to thank Trish for her dedication. In her place, a team from Natural Resources Canada has stepped up to produce the last three issues of *Cartouche*. This team includes Diane Lacasse, Anna Jasiak, Eric Kramers, Ivy Rose and myself. This group has kindly accepted to produce *Cartouche* for another year. We are brimming with ideas and hope to be able to find interesting contributors in the coming year. The only note of concern is with the participation of Interest Group Chairs. Many have been able to contribute interesting and informative articles, but there have been some gaps.

2. Interesting meetings were held with Dave Stafford of the Canadian Institute of Geomatics (CIG) and Tanya Buckingham of the North American Cartographic Information Society (NACIS). Dave Stafford and I met in Ottawa to discuss the opportunities of working together. The CIG has experienced falling membership and the Surveyors are splintering off to form their own group again. I believe that the CIG was set up as an umbrella for many of the "geo" related fields such as surveying and cartography. The CCA should discuss its interest in participating with the CIG.

3. Another highlight of the year was writing for *Cartouche* and reading the articles. *Cartouche* is one of the cornerstones of the association. Keeping it vibrant and diverse for the membership will provide a way to keep the critical mass of cartographers together.

4. Over the year, I have had the opportunity to interact via email with many of our members and others who have an interest in cartography. One particular correspondence was from a person interested in maps but was not a cartographer. I do not think he decided to join in the end but this proved to me that there is an interested and broad group of people looking for information and discussion about maps and mapping.

5. A letter of support was provided to the Royal Canadian Geographical Society for a project for which it was seeking funding from the Department of Canadian Heritage. I am awaiting a reply from RCGS about the success of its application. This type of support and partnership exhibits the value that other prominent organizations see in our organization.

6. One challenge that I did not expect to encounter this year was carrying out my duties without the support of Cliff and Alberta. I started the year feeling like I was a little stranded and it took a lot of time to overcome my fears. Dan was a great support as was Diane Lacasse. I want to be able to provide Gerald with the advice and guidance which will help make his job easier.

7. Finally, thank you for the opportunity of working with such a great group of people. The executive, particularly Roger Wheate and many of the IG Chairs have made this an interesting and fun job.



## **Vice-President's Report 2010-2011 by Gerald Stark**

I began my tenure as the CCA's Vice-President at the conclusion of the Annual General Meeting held at the University of Regina in June of 2010. My current role within the CCA was preceded by my duties as Chair of the Map Use and Design Interest Group.

I was also in attendance at the two scheduled CCA Executive Committee meetings in Regina.

Other activities that I participated in at the 2010 conference included:

- Chairing the Technology and Cartography paper session
- Assisting President and Past-President of the CCA in judging map competition entries
- Presenting a poster entitled 'Hillshade Digital Elevation Model of Alberta'

During the past year I have submitted two articles for *Cartouche* and participated in the CCA Executive Committee's annual conference call. I have also emailed several mapping-related links to the CCA membership. I have also provided feedback related to scheduling of the CCA's Executive Committee and annual general meetings to be held at this year's conference in Calgary.

## **Past President's Report 2010-2011 by Dan Cole**

As Past President and Chair of the Nominations Committee, I would like to thank members of the Committee William Crumplin, Glenn Brauen, and Byron Moldofsky for their work on it.

As of the 2nd Executive meeting of the CCA in Calgary, the new members or continuing members of the Executive will be:

President: Gerald Stark

Vice President: Anna Jasiak

Past President: Donna Williams

Secretary: Elise Pietroniro

Map Use & Design: Julia Siemer

History of Cartography: Ken Favrholt

Treasurer: Paul Heersink

Analytical Cartography & GIS: Fiona Ryle

Education: Dawn Mooney

Map Production: Paul Wozniak

Thank you to these members for volunteering and contributing to the important task of running the Canadian Cartographic Association. Unfortunately, there were no nominations for the Awards of Distinction this year.

Serving on the CCA Executive Committee for the last two years has been both an enlightening and rewarding experience for me. Attending and participating in the conferences and board meetings in Wolfville, NS and Regina, SK were very enjoyable; and chairing committees to select our new editor of *Cartographica*, Nigel Waters, thus far seems to be a great decision with a wealth of new submissions coming in for review at the University of Toronto Press. Additionally, I chaired the committee that chose our in-coming vice-president of the CCA, Anna Jasiak. Both proved to be a bit of a challenge that in the end appear to fit the saying “good things come to those who wait.”

As a final note, I am still trying to get the other cartographic organizations (CaGIS and NACIS) to seriously consider having a joint two or three-way conference together during the coming decade. I have recently had discussions with the CaGIS board and with Tanya Buckingham, president of NACIS, and those two organizations are tentatively proposing a joint meeting with the CCA at a border location such as Niagara Falls in 2014.

## **CCA Secretary’s Report 2010- 2011 by Elise Pietroniro**

This report for 2011 represents work conducted in the first year of a two-year term as Secretary.

Alberta Wood, outgoing Secretary, provided me with the documents essential to this position at the conference in Regina as well as background information. She was and continues to be very helpful in the transition. Many thanks, Alberta!!

There has been much to learn over this first year; I have learned much through Alberta’s help and the support of other Executive committee members and look forward to what the following year may bring.

Minutes were prepared and distributed for three meetings at the 2010 conference of which the first two meetings were provided by Alberta, and the final by me as incoming secretary of CCA. Binders including Executive Committee minutes, and miscellaneous documents were exchanged at the AGM in Regina for incoming Executive Committee members.

A conference call was conducted at the end of November of 2010 and minutes were (eventually) distributed via email to the Executive Committee. Correspondence via email was the other major activity with issues relating to updating of membership information, the conference and web site changes.

I have been working with Donna Williams to provide and organize documents for this year’s conference. Other tasks I have been involved with e-mail inquiries towards membership changes, renewals and new memberships. Penny Hutton has been a great help in these inquiries regarding membership and all inquiries were handled efficiently and effectively. One issue brought up by one of these inquiries is the need to implement on-line membership subscriptions and renewals which have been discussed in the past and should be discussed further.

## **Cartographic Education Interest Group Report 2010 - 2011 by Dawn Mooney**

This year I participated in the winter executive committee conference call. I was not able to attend the Regina conference as I was working in Australia at the time. I have not been very involved this year and unfortunately did not submit any *Cartouche* articles. I am looking forward to participating in the executive meeting and the AGM at the Calgary conference.

I have updated the student prize certificates and they are ready to go for the Calgary conference. The certificates for the awards of distinction are also up-to-date, but I don't believe any are being awarded this year.

The student promotional poster is also up-to-date and perhaps we can discuss how it can best be used at the meetings in Calgary.

I have now completed three years as the Chair of the Education Interest Group. Unfortunately I have become less involved over this time. I am currently working on a Master of Public Health, while working in the health services research field, and I am finding it difficult to find the time or inspiration to be very involved in the cartographic world as neither my school nor my work gives me much opportunity for mapping at this time. I am also not teaching cartography at UBC for the next year or so.

I see from *Cartouche* that I am still listed as the Chair of this interest group for the next year. If someone else would like to take over, I would be happy to give up the position; otherwise, I would like to step down after this coming year.

## **Map Use and Design Interest Group Report 2010-2011 by Julia Siemer**

I started as the chair of the CCA's Map Use and Design interest group at the conclusion of the Annual General Meeting held at the University of Regina in June of 2010.

I was also in attendance at the two scheduled CCA Executive Committee meetings and the AGM in Regina and acted as local organizer of all CCA related activities at the 2010 meeting in Regina.

During the past year I have submitted three articles for *Cartouche* and participated in the CCA Executive Committee's annual conference call.

I have also participated in the search of the new editor of *Cartographica* through e-mail conversation and attended the phone interview with the successful candidate.

For the 2011 meeting in Calgary I am collecting entries for the student mapping competitions (President's Prize and Carto-Quebec Prize). I will also present a paper at the meeting.



## **Mapping Technologies and Spatial Data Interest Group Report 2010 - 2011**

### **by Paul Wozniak**

I attended the AGM and the Executive Committee Meetings in Regina this past June. The name change proposed for the Interest Group made in the previous year was approved. Since this is the first year the name change will be fully in effect, I look forward to some discussion from the membership in the AGM regarding input for future directions of this interest group.

One article for the interest group was published in the *Cartouche* #80 Winter 2011 issue. The article broached the subject of popularization of easy to use mapping applications and the impact freely available data can potentially have on the Cartography and GIS professions. What I feel the interest group should promote is the concept that these professions embrace these changes and become the agents that move these changes forward.

I continue as Map and Figure Editor of *Cartographica* and completed the editing for Issues 45-3 through to 46-3. Issue 46-2 was a special issue dedicated to web mapping applications which reflects the impact changes in mapping technologies are having on cartography.

The editing of maps and figures has become somewhat more challenging due to the increased use of colour in submissions to the journal. The use of colour has progressively replaced the use of traditional symbols such as dashed lines that help distinguish features or information when reproduced in greyscale. Since greyscale is still required for the printed version of *Cartographica* greater attention must be given to recommending changes to the authors. The changes must accommodate both the greyscale and colour version that is released in the online pdf version. This is just one small example of how the everyday use of computers has had an impact on the cartographic output required for publication.

## **History of Cartography Interest Group Report 2010-2011 by Ken Favrholt**

My report is short. As History of Cartography Interest Group Chair, I have accomplished a few things but am looking for help to develop a greater profile for this area.

I have written two articles for *Cartouche* which I hope have been favourably received, one on the Jens Munk's explorations of Hudson Bay, the second on the earliest cartographic evidence of glaciers in the Rockies. A third article will have been received by the time this report is presented.

I have received an article from Dr. John Warkentin on the subject of his presentation at the Prairie Summit conference last spring ready for publication in *Geographica*. Please let me know when this is needed and who to submit this to.

Unfortunately, I have not heard from anyone else interested in submitting articles for either *Cartouche* or *Geographica*. However, I feel I have not done enough to beat the bushes -- my fault since my relocation

from Kamloops to Osoyoos. Upon my change of employment last fall I have been preoccupied with the campaign to develop a new Museum in Osoyoos.

If the referendum for the new Museum on June 4 is successful, I may find myself even busier with fundraising for the new facility.

I would still like to continue as Chair but if someone else has more time, I will step down.

## **Cartouche Report 2010 - 2011 by Diane Lacasse**

The summer 2010 issue, number 78, was produced and published by Patricia Connor Reid. After publishing six issues of *Cartouche* (numbers 73 to 78), Patricia stepped down and a new editor came on board. This new editor has been in fact a team of people from the Atlas of Canada's Natural Resources Canada. Each of them brought with them different expertise.

Firstly, we had to purchase the page layout software InDesign. Fortunately, the software was purchased for the Atlas of Canada's work so the CCA didn't have to buy it. It is suggested that solutions be considered for future *Cartouche* editors with limited access to a publishing software.

The transition between editors had been done smoothly. Thanks to Patricia who guided us and provided us with considerable advice!

This year, the new editorial team produced three issues (79 Autumn 2010, 80 Winter 2011 and 81 Spring 2011)

Contributors for *Cartouche* #78: The President, the Past President, the Vice-President, Chair of History of Cartography, Roger Wheate, Janet Mersey, and the student representative Christine Homuth,

Contributors for *Cartouche* #79 : The President, the Past-President, Chair of History of Cartography Group, Chair of Map Use and Map Design Group, Peter Paul and Eric Kramers from Natural Resources Canada.

Contributors for *Cartouche* #80 : The President, the Past-President, Chair of History of Cartography Group, Chair of Map Use and Design Group, Chair of Mapping Technology and Spatial Data Group, Majella Gauthier and Daniel Beaulieu-Gagnon from the Université du Québec à Chicoutimi.

Contributors for *Cartouche* # 81: The President, the Past-President, the Vice-President, the Chair of Map Use and Design group, Roger Wheate, Eva Siekierska and Andrew Moore, both from Natural Resources Canada.

Finally, the editorial team wishes to express a special thank-you to Alberta Auringer Wood who kindly provided interesting pieces of information to be published for each of the three editions of *Cartouche*.

We recognize that there may be a need for the executive to discuss and redefine the role of Special Interest Group Chairs. In particular, we experienced difficulty in receiving articles from special interest chairs at this busy conference time. As an editorial team we decided to search for other interesting and relevant contributions. Our submissions were provided by scientists at Natural Resources Canada. For fear of *Cartouche* appearing to be a Natural Resources Canada's publication, we strongly encourage more CCA member participation!

If the executive members agree, the editorial team is willing to continue to publish *Cartouche* for an additional year.

Cost of production and delivery:

- Cost of paper copies for members who requested it (including binders and envelopes): around \$100
- Mailing costs: \$85
- Total costs: \$185

We only have receipts for the amount of \$114.06. The other receipts have been lost. So we ask a reimbursement for the amount of \$114.06 and we will consider the rest as a donation to the CCA.

## ***Cartographica* Editorial Team 2010-2011 Report by Nigel Waters**

I became the Editor Elect of *Cartographica* in the Fall of 2010 and officially took over from Jeremy Crampton on January 1st, 2011, for a three year term. My first task was to ensure a smooth transition to enable the production of the 4 issues of the 2011 volume (number 46) to proceed on schedule. To achieve this I have tried to keep in place many of the highly experienced team with whom Jeremy worked while he was Editor.

I am thus deeply grateful to Roger Wheate for not only continuing to edit the Technical and Ephemera Section of the journal but also for a steady stream of advice that has helped me with my new duties as Editor. I am equally grateful to Chris Perkins for continuing his work as Book review Editor and Paul Wozniak for contributions as our Map Editor and Dan Cole and Cliff Wood for their vital, ongoing copy editing work. There are many others who have assisted me along the way and I have acknowledged their contributions in my editorial for issue 46.2 – the first issue for which I was fully responsible for the content.

New to the *Cartographica* Editorial Team are three colleagues from GMU. My Dean, Vikas Chandhoke, in the College of Science at George Mason University provided me with up to eight hours of editorial assistance a week. To fill the position of Editorial Assistant, I hired Jenell Walsh-Thomas, a Masters student in the Department of Geography and GeoInformation Science at GMU. Jenell has provided exceptional support in negotiating the new PRESTO week. Also, I have asked Dr. Germana Manca and Dr. Andrew Crooks from GMU to act as Co-Editors. I asked them to help because they are close by and they have very different backgrounds from mine. Germana's PhD is from Santa Barbara and she brings those connections to the team but her roots are in Sardinia and so she has excellent connections in Italy and indeed in other continental European countries. Andrew obtained his PhD from University College London and has excellent UK connections and works in the areas of social complexity and agent based modeling. These



connections are important as we continue to have problems finding referees that are willing to produce reviews, timely or otherwise. I will return to this point later.

Issue 46.1 was produced on time largely due to the fact that Jeremy and others had already marshaled all the content. One innovation that was introduced was the selection of a map or graphic from one of the published papers as the cover art, thus individualizing the cover of each issue. We were fortunate to be able to use Captain John Smith's Map of Virginia from the early 1600's that appeared in Matthew Edney's paper.

Issue 46.2 was a special issue devoted to the selection of papers from the forthcoming meeting of the International Cartographic Association to be held in Paris in early July. From November 15<sup>th</sup>-19<sup>th</sup>, 2010, the ASPRS, CaGIS and ICA organization held a meeting in Orlando, Florida to which the Editors of CaGIS, *The Cartographic Journal* and *Cartographica* were invited. Each Editor was asked to select a theme for a Special ICA issue. I selected Internet Mapping and over the ensuing months Anne Ruas, President of the ICA Organizing Committee sent me a selection of refereed papers for inclusion in issue 46.2. The goal was to produce the issue in time for the Paris meetings. This has been done and 400 additional copies of the journal have just been sent to the French Consulate in Toronto for distribution at the Paris Conference. The ICA is paying for these additional copies. This I believe is a great opportunity for marketing our journal, *Cartographica*, to a worldwide audience of our peers. I believe the CaGIS was unable to meet the ICA deadlines and I am not sure of the progress of *The Cartographic Journal* with their special issue.

Issue 46.2 has papers from many different countries increasing our global reach and has what I think is a beautiful cover designed by Nara Nasdan from the University of Toronto Press – it looks even better in colour. The content for issue 46.3 is now complete and the content for 46.4, a Special Issue on Visualization by Gennady Andrienko, is almost complete as well.

My major challenge remains with the refereeing of papers and increasing the number of peer reviewers in our database that we can routinely rely upon to produce timely reviews. Finally I would like to add how much I appreciate the honour of being Editor of *Cartographica*.

## **CCA Web Page 2010-2011 Report by Denise Everett**

### **Activity 2011**

- Update CCA Executive details and set up forwarding e-mail
- Amended the awards pages for past winners and setup forms for 2011
- Made ad hoc changes as required on both English and French pages

Outstanding item: to add an extra point to the compass for Awards

I cannot add the extra point to the compass, as I am no longer able to get the original software it was created with in order to provide an update. This could be completely redone, but this would take considerable time and I do not think this is a feasible thing to do. I am happy to continue this for another year.

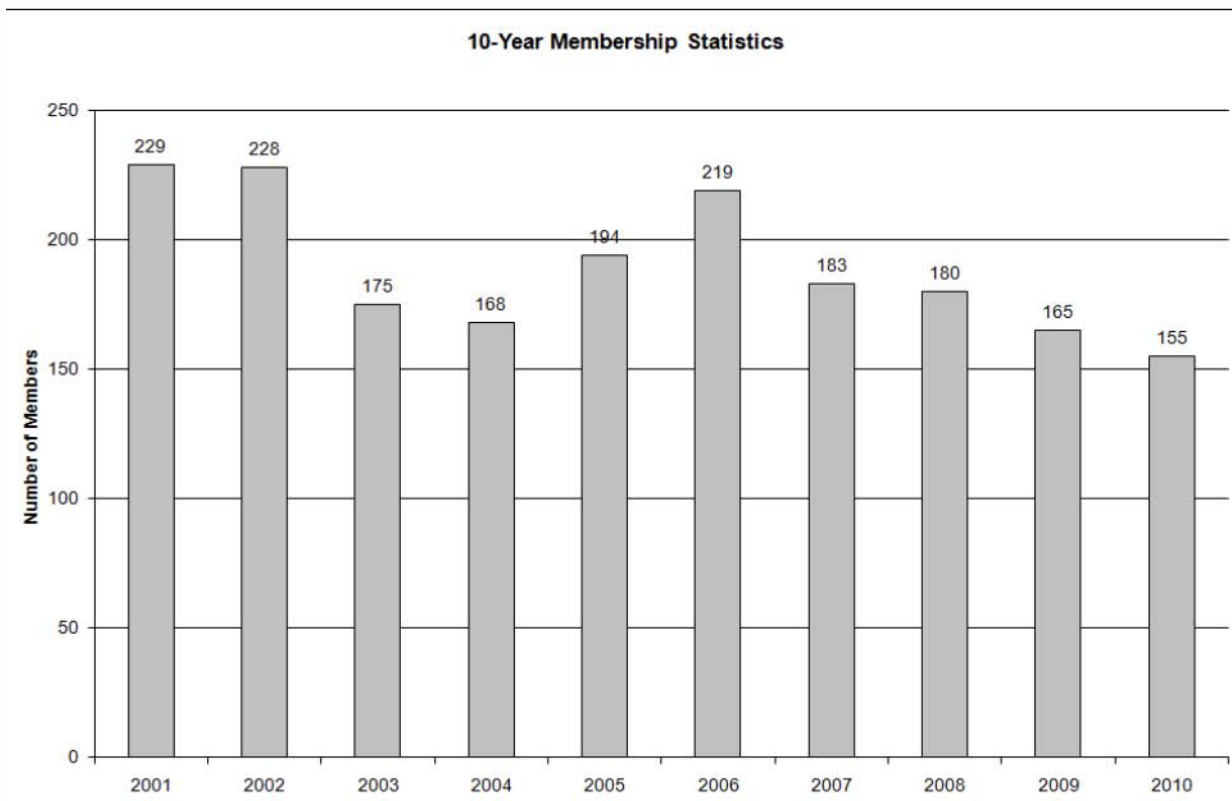
## Membership Coordinator 2010-2011 Report by Penny Hutton

I am presently in my fifth year serving the CCA as Membership Coordinator. In 2010, I worked closely with Paul (Treasurer) and Elise (Secretary) to keep track of membership renewals, member address changes, requests for online access, and requests for back issues of *Cartographica* and *Cartouche*. I participated in both executive meetings held in Regina as well as the annual conference call in the fall.

Please find the following sections in this report:

### a) 10-Year Membership Statistics

Year	Members	Loss/Gain	% Loss/Gain
2001	229	-57	-19.93%
2002	228	-1	-0.44%
2003	175	-53	-23.25%
2004	168	-7	-4.00%
2005	194	26	15.48%
2006	219	25	12.89%
2007	183	-36	-16.44%
2008	180	-3	-1.64%
2009	165	-15	-8.33%
2010	155	-10	-6.06%



b) 2010 Membership Review

2009 Membership	165
Members from 2009 that did not renew for 2010	-34
New members	17
New members from Conference	N/A
Reinstated Members	7
<b>Total Membership 2010</b>	<b>155</b>
Online access to Cartographica	50

c) 2011 Membership Review

2010 Membership	155
Members from 2010 that did not renew for 2011	-44
New members	6
New members from Conference	N/A
Reinstated Members	3
<b>Total Membership 2011</b>	<b>120</b>
Online access to Cartographica	35

d) Dual-Year Report

Membership Categories: R = Regular, A = Associate (prior to 2007 only), S = Student, I = Institution, C = Corporate, F = Family, T = Retired, H = Honorary, X= Complimentary

CCA Members 2009

R	A	S	I	C	F	T	H	X	TOTAL
103	N/A	22	10	4	2	21	2	1	<b>165</b>

Members from Canada 123 (74% of Total Membership)

Members from USA 31 (19% of Total Membership)

Members from other countries 11 ( 7% of Total Membership)

CCA Members 2010

R	A	S	I	C	F	T	H	X	TOTAL
101	N/A	10	8	5	4	20	1	6	<b>155</b>

Members from Canada 114 (74% of Total Membership)

Members from USA 31 (20% of Total Membership)

Members from other countries 10 ( 6% of Total Membership)



# Report from the Canadian National Committee (CNC) on Cartography to the ICA 2011 by Janet Mersey

## 1. International Cartographic Conference, ICC 2011, Paris, France

Plans are well underway for the upcoming 25th International Cartographic Conference and 15th ICA General Assembly to be held in Paris, France, July 3 – 8th, 2011. The complete program schedule is now posted on the conference website: [www.icc2011.fr](http://www.icc2011.fr). It promises to be an impressive gathering with over 500 oral presentations organized over a five-day period into 133 sessions. A special feature of the meetings includes a series of sessions focusing on the work of Jacques Bertin. A different keynote speaker has been selected to begin each conference day. In addition to the regular International Map Exhibition and Children's Map Competition, two other cartographic exhibitions are planned: the National Library of France is organizing an Historical Map Exhibition featuring maps of Africa, and the City Hall will be the site of the Artistic Exhibition: From Map to Art displaying artistic works related to maps.

## 2. International Map Exhibition and the Children's Map Competition

Canada's submission to the International Map Exhibition is being coordinated by Dan Duda (Memorial University). The Exhibition will be held in the Palais de Congres with room for over 500 maps. The Canadian submission will include maps from NRCan, Parks Canada, Paperglyphs Cartography, Canadian Geographic plus many more. Karen Van Kerkoerle (University of Western Ontario) is coordinating Canada's entry in the Barbara Petchenik International Children's Map Competition. Six maps by Canadian school children have been selected and sent to Paris. The theme this year was "Living in a Globalized World". More information can be found on the ICA website ([www.icaci.org](http://www.icaci.org)).



### 3. Canadian Participation at ICC 2011

The Principal Delegate to the ICA is Janet Mersey (University of Guelph) and the Deputy Delegate is Roger Wheate (UNBC), who is filling in for Eric Kramers (NRCan). Both Janet and Roger will be attending the General Assembly in Paris.

I am pleased to announce that Canada will be proposing a new Commission on Art and Cartography to be chaired by Sebastien Caquard (Concordia, Canada) with Barabara Piatti (Switzerland) serving as Vice-Chair. Jonathan Li (University of Waterloo) will be nominated as Vice-Chair of the Commission on Mapping from Satellite Imagery.

Other members of the Canadian delegation include Will C. van den Hoonaard (University of New Brunswick), D.R.F. Taylor (Carleton), Nicholas Chrisman (Laval), Daniel Clavet (NRCan), Yaives Ferland (Laval), Michael Govorov (Vancouver Island University), and Jacqueline Anderson (Concordia).

### 4. The Canadian National Report: Cartography in Canada 2007 - 2011

Canada's National Report is now complete and will be formally submitted to the ICA General Assembly on July 3rd, 2011. The 135 page report is published as a special issue of *Geomatica*, entitled *Cartography in Canada 2007 – 2011* (Volume 65, No. 1, 2011) and was co-edited by Janet Mersey and Eric Kramers. The issue represents the first edition of *Geomatica* that will be delivered entirely on-line, making our National Report readily accessible to a broad audience. Many thanks to Carol Railer for all her assistance throughout this publication process. The report features both refereed journal articles showcasing several important cartographic initiatives, and reports from over 50 geomatics specialists in Canadian government, industry and education. The preface to the National Report, which outlines its contents in greater detail, is appended to this CNC report.

### 5. CNC Meeting, CCA Annual Meeting, Calgary 2011

A CNC meeting will be scheduled for a lunch hour during the Joint CAG/CCA/ACUPP meetings in Calgary, May 31 – June 4, 2011. Everyone is welcome. At the meeting we will provide an update of preparations for, and participation in, the ICA conference.

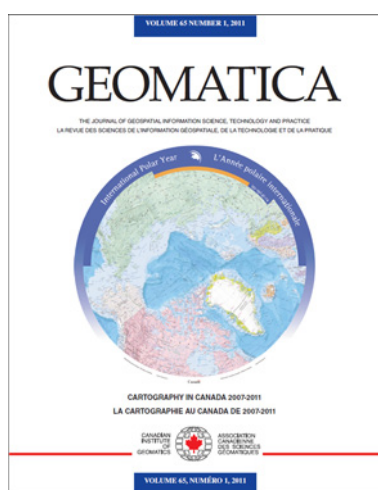
Membership of the Canadian National Committee for Cartography to the ICA:

- The CIG Councillor for Cartography (Chair and Principal Delegate to the ICA): Janet Mersey, University of Guelph
- Deputy Delegate to the ICA: Eric Kramers, NRCan / Roger Wheate, UNBC
- Co-ordinator, National Map Exhibit: Dan Duda, Memorial University of Newfoundland
- Co-ordinator, National Children's World Map Competition: Karen Van Kerkoerle, University of Western Ontario
- Canadian Institute of Geomatics: Janet Mersey, University of Guelph
- Association of Canadian Map Libraries and Archives: Colleen Beard, Brock University
- Canadian Cartographic Association: Roger Wheate, University of Northern British Columbia

## Canadian National Report to The International Cartographic Association 15<sup>th</sup> General Assembly, Paris, France, July 3 – 8, 2011

It is a pleasure to present Canada's national report to the ICA, on behalf of the Canadian Institute of Geomatics (CIG), to the delegates of the fifteenth General Assembly. This is in accordance with Article 5 of the ICA statutes on the occasion of the XXV International Cartographic Conference in Paris, France. Titled *Cartography in Canada: 2007 2011*, this comprehensive report is published as a special issue of the Canadian quarterly journal *Geomatica* and is distributed to all members of the Canadian Institute of Geomatics. This special issue will be the first issue of *Geomatica* published and available online through the CIG website. While bringing unique challenges to the publishing process, it allows for a high quality, easily accessible, full colour document. This report contains contributions from over fifty geomatics specialists throughout Canada and reflects the high level of activity in this sector in Canada in government, industry and education.

Canada's national report is also a compendium of peer-reviewed feature articles and activity reports from organizations with a geomatics mandate, which together highlight Canada's cartographic achievements over the past five years. The cover of the report features the award-winning map of the *North Circumpolar Region* and was produced by Natural Resources Canada's, Mapping and Information Branch, Atlas of Canada in 2008. The map incorporated considerable new data for all map features. Circumpolar MODIS imagery, from the Canada Centre for Remote Sensing, was used to update glacial extents. The most up-to-date International Bathymetric Chart of the Arctic Ocean was innovatively adapted and integrated into this new map.



### **Cartography in Canada 2007 to 2011**

Published by the  
Canadian Institute of Geomatics  
in *Geomatica*  
is available at:

<http://icaci.org/national-reports>

The articles in this report were obtained in response to a call for papers, and underwent the journal's usual rigorous peer review process. The three featured articles illustrate the thematic breadth of the field of geomatics, in this case encompassing topographic mapping, remote sensing, and online atlas creation. The paper by Daniel Clavet, from Natural Resources Canada, explains the innovative use of multiple data sources, including imagery from Canada's Radarsat 2 satellite, to produce topographic maps of northern Canada. By 2012, the CartoNord project will have achieved its objective of providing complete coverage of all of northern Canada at 1:50 000. Radarsat imagery is also central to the article by Gangyao Kuang,



Jonathan Li and Zhiguo He. They derive and test a sophisticated edge detection algorithm, allowing for accurate detection of water bodies from SAR imagery with high noise speckle. Lastly, a contribution by Glenn Brauen, Stephanie Pyne, Amos Hayes, J.P. Fiset and D.R. Taylor, a multidisciplinary research team at the Geomatics and Cartographic Research Centre at Carleton University, highlights the creative design of a web atlas developed with open source software. Focusing on the Lake Huron Treaty Relationship Process, the atlas represents a unique tool for expressing geonarratives or stories told through maps.

Also included in this issue are summary reports of cartographic initiatives carried out by federal and provincial/territorial government agencies; national societies and associations; and educational institutions in Canada. These reports clearly illustrate the importance and scope of geomatics in Canada, and provide rich detail showcasing the breadth of geomatics science that is part of the work of many Canadians. The complexity and diversity of cartographic and geomatics activity in Canada demonstrates how vital they are to all sectors of government, industry and education. These reports also show how difficult it is to imagine a nation and a world without the high level of integrated maps and data we currently use and experience daily.

This publication was a team effort, and we would like to sincerely thank everyone who contributed their time and energy in its preparation. This includes authors who submitted material and those unmentioned, but equally important, individuals who reviewed this material. Special thanks go to Carol Railer, Production Editor of *Geomatica*, for her endless patience and advice throughout the compilation process.

We look forward to participating in the XXV International Cartographic Conference, set to commence in July 2011, in Paris, France. A stimulating and diverse program has been planned, thanks to the admirable efforts of the Local Organizing Committee, the International Scientific Committee, the French Scientific Committee and the ICA Executive Committee.

Janet E. Mersey  
Chair of the Canadian National Committee to the ICA  
Principal Canadian Delegate to the ICA

Eric Kramers  
Natural Resources Canada  
Deputy Canadian Delegate to the ICA

## 25th International Cartographic Conference, Paris July 3-8

By Roger Wheate

This conference and congress marked the 50th anniversary of the first General Assembly of the International Cartographic Association (ICA) in 1961, also held in Paris – although only the 15th such event as it is held every four years. Canada's membership is paid by the CIG, but its delegates are nominated by the CCA. The Chair of the National Committee who is appointed through an MOU between the CCA and CIG coordinates Canadian participation; this position is held by Janet Mersey (U. Guelph), with Eric Kramers (Natural Resources Canada) as deputy, and the two act as Canadian national delegates to the General Assembly. As Eric was not able to attend this time, I was asked to fill in as second delegate. So a few weeks after the CCA meeting, I was off to Paris via Air Canada to London and then through the "Chunnel".

I had only previously attended one ICA Congress, which we helped host in Ottawa in 1999. Registration is triple that of the CCA/CAG meeting at ~ \$700... but then there were approximately 1300 cartographers here – including 15 from Canada, and a five day program with 700 oral and poster presentations. The Saturday evening before the Sunday assembly, I met up with our national delegate Janet, under the Eiffel Tower. We headed along the Seine embankment and found a café along the Champs Elysées for a carafe of wine. That's the good part, the next day was all business as the General Assembly met all day with a 25 item agenda. The highlight was presentations by teams from Washington DC, and Rio de Janeiro bidding for the 2015 meeting. DC has a proximity appeal for Canada, enabling more of our members to attend, and to possibly incorporate our annual meeting as we did in 1999. Rio has beaches, and the date is sandwiched between the World Cup soccer in 2014 and Olympics in 2016 and also, well, it is Rio! At the end of the day after mounting the Canadian national map display, we joined CCA member Will van den Hoonaard on a downtown tour, taking advantage of Jan's map reading skills and Will's local knowledge, having been raised in a cave in post-war France. The national map displays, along with the children's map entries and vendor exhibitions provided plenty of visual fodder for cartophiles throughout the conference.

The technical program is structured around the (22) commission themes from (alphabetically) Cartography and Children, to Ubiquitous cartography - which seemed to be everywhere – for a full list, see <http://icaci.org/commissions>. These were organized into eight concurrent sessions through the five days, the eight sessions at each time printed on a single page, for one of the most easily legible conference programs I can recall. At the first session break, delegates were surprised to find there was no coffee, just a break.

After the second session, the lunch provided could only generously be described as an airplane lunch, which would be unkind to most airlines. Once we had lined up for our ration bun and dessert, we found something else that airplanes had over the conference facilities – seats. The first few delegates found window ledges on which to set their lunches; the rest squatted on the floor and the lucky ones found a pillar for support. It transpired that the organizers had planned on ~2000 delegates and when registrations didn't match, corners had to be cut. They put on a brave face, while attendees were more bemused, this being Paris. On the bright side, I lost a few pounds over the week, which I soon recovered on returning to the English pubs. After some deliberation, I decided against paying 80 euros (\$110) to attend the Gala evening, as there were other attractions, and I can't eat that much food. We found from those who attended, that champagne was accompanied by some finger food, and around 10pm attendees headed elsewhere for a meal. I doubt this was typical of ICA banquets.

The social events included an early morning walk along the Paris Meridian, which predates the Greenwich imposter by almost two centuries. This was thoroughly enjoyed by those who rose before 5.30 am to 'walk the line' and identify the Arago medallions which mark it. By coincidence I had grabbed a copy of 'The Da Vinci Code' to read on the plane, not knowing that it was both set in Paris, and describes the Meridian.

Another social event was Orienteering, in the Bois de Boulogne, an event we may have started when we hosted the conference in 1999. As the event clashed with a General Assembly meeting, I skipped it to take my duties as second delegate seriously. The meeting crawled along as it included voting for positions which all had only one candidate and a paper was sent around with instructions to mark 'Yes' or 'No', with a resultant delay while these were collected and tallied. This was democracy gone crazy, and I wish I had orienteered. The new President – Georg Gartner (Austria) was 'acclaimed' (more yes votes than no), and the 2015 congress will be held in Rio.

The closing ceremony included map award winners, and the local committee did an excellent job capturing images of the winning maps to accompany the results. The conference organizer cheerily acknowledged that we had feasted on the cartographic material more richly than the cuisine; overall the conference was a success. It concluded with an entertaining presentation by Manfred Buchroithner on the next ICA conference which will be held in Dresden, Germany, August 25-30 2013. This included a video (<http://www.youtube.com/watch?v=POqET9jlqKU>) which claims Dresden and area to be the home of many inventions, such as the bra, tea-bag, coffee filter, toothpaste in a tube, and most significantly the beer mat. For a full list, see <http://www.die-sachsen-kommen.de/en/inventions.htm>



Figure 1: Aerial perspective view from Meridian Hotel





Figure 2: Meridian walk group, pointing to Arago medallion



Figure 3: Canada's delegates with ICA President William Cartwright (centre)



## International Cartographic Association Meeting 2011 (Orléans and Paris)

By Will C. van den Hoonaard

Attending the 2011 Orléans and Paris gathering of the International Cartographic Association represented for me the end of a long journey. I am not referring to the travel to Orléans and Paris from my village of Douglas with barely 2000 people living on the same road. Rather, my journey started with the 1999 ICA meetings in Ottawa (a huge success). This time around, the glitter, fanfare, and savoir-faire were just notations in my sociology field notes; Orléans and Paris called for a turning inward and to appreciate the friendships and collegiality of numerous folks from at least 42 countries with whom I managed to meet and chat. No distractions of restful coffee-breaks and no fancy “banquet-cum-fingerfoods” (but held in the shadow of two huge Coronelli globes). Stripped bare of the many usual conference distractions, the participants had to rely on their inner-selves to make a go of it. And they did.

Having returned from a visit to my childhood cave in Normandy, I was ready to absorb the incessant pace of the sessions. I randomly took in some 17 of them, not counting all the sessions in the preliminary ICA symposium in Orléans, “Maps for the Future: Children, Education and Internet” (May 30-July 2). I wanted to see what were the most significant advances in cartography. The human side of issues always interested me and so I did not miss an opportunity to hear Chris Perkins of Manchester University give a rousing, sometime self-deprecating talk about map collectors of which he was one.

Map-dealers’ shops, map fairs, auction rooms, libraries, map-collecting meetings and social events complement virtual collecting spaces on the internet and private spaces there emerges a distinctive normative order that is “inherently conservative,” which values “authenticity, verified historical rarity, beauty, and the display of taste by a largely aging and wealthy group of collectors.” These connoisseurs hardly refer to the investment value of maps (it would show bad taste). There are major shifts taking place. “Only the very rich,” says Perkins, “are now able to amass significant numbers of antiquarian maps or atlases.” Another shift sheds light on the earlier practice of cutting up antiquarian atlases because more profit is seen by selling individual sheets. Today, there are so few atlases around that a full atlas has gained an astronomical price. A globalized world ensures further ebbs and flows in the map trades.

And speaking of a globalized world, one presentation pointed to an inadvertent cartographic process related to toponyms. The United Nations has passed resolutions advocating the use of endo-nyms, partly out of the need to recognize people’s own aspirations when it comes to naming places. A globalized world, however, resulted in a sharp turn away from endo-nyms to endonyms. Places want to be recognized on a global scale. “Pile o’ bones” will not do the trick, but “Regina” will. Pretoria or Tshwane? Burma or Myanmar?

I must thank Janet Mersey and Roger Wheate for keeping me company during the off-hours. Thanks also to the Brazilians and Hungarians who were so welcoming in this austere conference in the City of Lights.”



Figure 1: Will van den Hoonaard and Roger Wheate in Montmartre (photo by Janet Mersey)

## HISTORY OF CARTOGRAPHY SPECIAL INTEREST GROUP

Ken Favrholt



### The Border at Osoyoos, British Columbia

The establishment of the Canada-U.S. boundary along the 49<sup>th</sup> parallel between the Rocky Mountains and the Pacific Coast in 1846 was the first step in the lengthy process of surveying and demarcating the border. Surveying did not take place until 1857 – a joint effort by United States and British governments. Erecting cairns and monuments followed. Finally, border posts were built, often quite removed from the boundary itself.

In the Osoyoos area of the south Okanagan in British Columbia, several customs houses were built over time. Initially these customs posts were far removed from the 49<sup>th</sup> parallel, even though the boundary line was well known. Even in American territory, the early customs houses were a considerable distance from the boundary. Customs houses, it seems, were built where people travelled or congregated. The first customs house in the region was built in 1860 along the Similkameen River west of Osoyoos, along an old route into B.C. from the south.

The first customs house at Osoyoos was built in 1861 and was situated at the north end of Osoyoos Lake, 5 miles (8 km) north of the boundary. John Carmichael Haynes was the customs officer and first non-native settler. The building was moved in 1865 to a new site on a bench (geological term) where the elementary school in Osoyoos now stands. It burnt down in 1878 and then a new combined customs office and residence for Haynes was opened on the east side of Osoyoos Lake by 1882. After Haynes' death in 1888, the customs office was moved to the west side of the lake again, to the bench previously mentioned, then to the old townsite of Osoyoos close to the bridge across the narrows, and finally, by the early 1930s, to the 49<sup>th</sup> parallel.

On the American side of the border, a similar pattern can be seen. The first U.S. customs post, opened in 1879 in a cabin built in 1860, was situated at Nine Mile Creek flowing into the east side of Osoyoos Lake, 2 ½ miles (4 km), south of the boundary. In 1894 the customs house was moved to what is now downtown Oroville, on the west side of the Okanogan River, likely to be coordinated with the trail heading

to the Canadian post on the west side of Osoyoos Lake. Finally, in the early 1930s, both the Canadian and American customs were moved to the 49th parallel. In 2003, the Canada-U.S. customs was made into a virtually integrated structure.

Illustration:



An 1861 map by William Cox, government magistrate, showing the location (black squares) of the earliest customs houses along the Similkameen River and at the head of Sooyoos Lake (Osoyoos Museum collection). A building that later became the first American customs post is also shown by a black square along a creek flowing into the east side of Osoyoos Lake. Nearby (the square closest to the lake) was the home of Hiram “Okanogan” Smith, the first non-native settler on the American side who started the first apple orchard in the area.

Author Ken Favrholt is Chair of the History of Cartography interest group and Executive Director / Curator of the Osoyoos Museum in British Columbia’s south Okanagan.





## **Cloud Computing and the ESRI Community Maps Program**

In several previous issues of *Cartouche* I have mentioned the emergence of cloud computing as a technology that will be affecting how we access and use maps. The ESRI Community Maps Program uses cloud computing-based map services to render and serve online basemap data with a high degree of cartographic quality. This is only one of several technologies that ESRI is using to make these maps and associated mapping services available over the web.

I interviewed Paul Heersink Production Manager of the Community Maps Program in ESRI Canada's Technology Strategy group to find out a little more about these maps and the online service.

### **1) Who are the primary data providers for the project?**

ESRI's world topographic map / community maps are compiled from a variety of sources, depending on the map scale. For larger scale maps, we use the best available authoritative data from local government sources such as cities, municipalities and regional agencies. Currently, we have content from more than 40 government organizations across Canada, mostly municipalities, with many more in development. For smaller scales, we use Natural Resources Canada's CanVec data and some commercial datasets. For a complete listing of these sources, see <http://resources.arcgis.com/content/community-maps/world-topographic-map>.

### **2) How is the community map data accessed?**

The map data that you see online at <http://www.arcgis.com/home/index.html> can be viewed using any of the latest browsers. No additional software or ESRI licence is required to do so. The basemap that is displayed in ArcGIS Online is simply an image of the data—a collection of jpeg images cached from a map that was created in ArcMap. Users can access the map from their browser and create mashups.

### 3) What kind of software is required to make use of the data?

Users can create their own maps in ArcGIS Online and add their own data from an existing Web map, GIS server or from the ArcGIS Online gallery. Users can also create their editable layer right in ArcGIS Online. No special software is required for any of this – just a Web browser.

For those users who have an ESRI licence, the basemap can also be used as a layer in ArcMap by going to File > Add Data > Add Basemap and selecting the Topographic map. It will then appear in the map window and have the same functionality as it does in ArcGIS Online.

### 4) Examples of the maps have a high cartographic quality that matches or exceeds available paper products. How was this achieved and does the data display in a pre-rendered format when it is accessed by the user?



Figure 1: Map of Halifax, Nova Scotia

The example above (Figure 1) is of Halifax and uses CanVec data provided by Natural Resources Canada. The data is freely available from NRCan's Geogratis site and forms the basis for their topographic series of maps. We've used it here to create our mid-scale maps (1:1,000,000 to 1:18,000). The style is a bit different from our larger scales, but again, is consistently used for all places around the world. CanVec data is built to be used at a scale of 1:50,000. We have obviously pushed it to its limits in bringing it up to 1:18,000, but it holds up well and allows users to easily discern the features on the map.

For more detailed scales, we are relying on data provided to us by local governments and provinces. Figure 2 is an example taken from Nanaimo, B. C., one of the earliest community map contributors.

This map employs data provided to us by the City of Nanaimo and obviously shows much more detail than what is viewable with the CanVec data. It is typical of the map style that we employ at the larger scales – that is, at 1:9,000 to 1:1,000 – for the entire country and around the world.

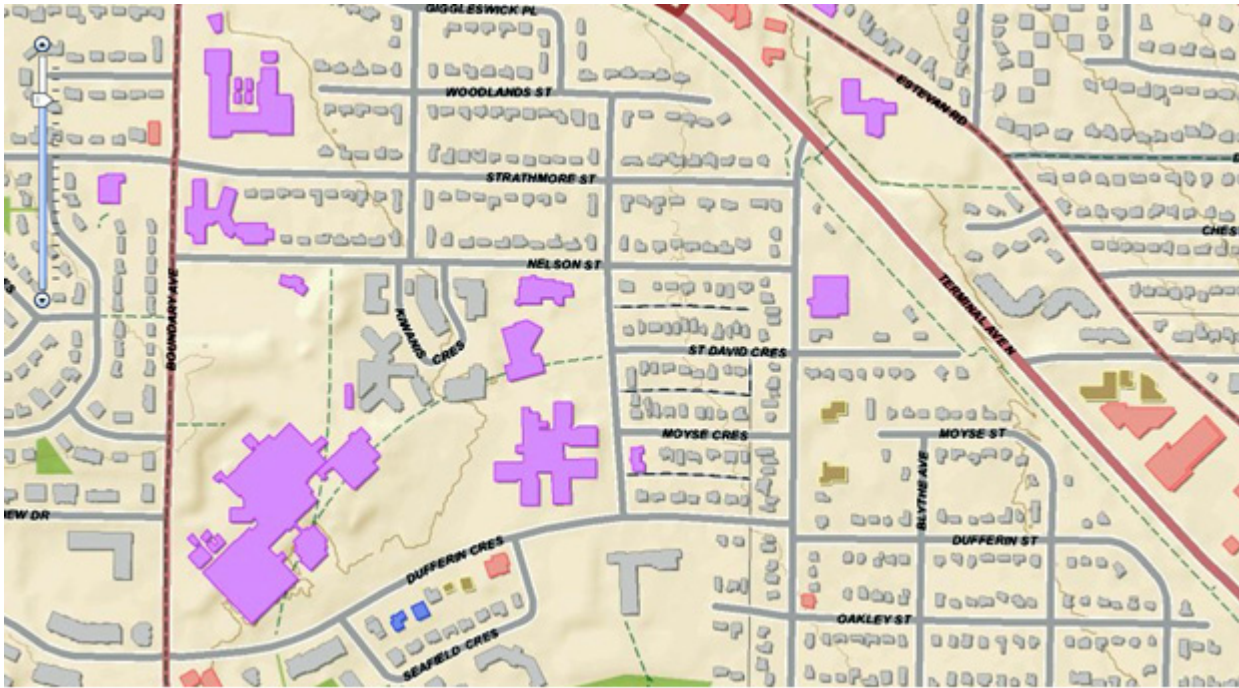


Figure 2: Map of Nanaimo, British Columbia

Being able to draw upon multiple sources allows us to provide the user with a rich topographic mapping experience without overwhelming the map and the user with an over-abundance of information. A Web map such as this becomes much more flexible than a single paper map, especially when one considers that these maps can be viewable on all sorts of electronic devices, including smartphones and tablets.

Much time and effort has gone into striking the right cartographic style. We wanted to be able to provide the world with an accurate, useable base map, a map that users can use as a starting point for building a map with their own data content added. That is why the colours appear more muted than they might if it was intended as a standalone map. But the rendering still functions well as a standalone map allowing for good differentiation of detailed information.

All of the basemaps that you see in ArcGIS Online are cached. A map was created in ArcMap, then cached or exported as tiled jpeg images. Doing so speeds up the display time for the user – but can take a large amount of time to produce, depending on the area and the scale being rendered.

**5) In compiling the data, how important was it for the cartographers involved to understand the map database and, does the data structure help facilitate good cartographic representation of the maps?**

Because we are building a topographic map that is to be consistent across the country, we request a number of specific topographic-related data layers from our participants. We have a standardized way of classifying the data; however, because the data is coming from many different sources, it sometimes requires us to make a judgement for deciding on the best fit. This sometimes requires input from our participants since they are the ones who know their data and their area the best. Not all participants have

all of the data that we request, so we sometimes need to include data from other sources, such as the provinces.

The Community Maps Program participants generally provide us with the data as they currently have it stored in their systems. We don't want to make more work for our participants so we generally process the data ourselves. Sometimes, the data requires a few edits. We have a number of semi-automated tools at our disposal that help us to process and standardize the data in-house.

**6) Do you think the cartographic work that has been put into the Community Maps project will improve the quality of map a general user can now produce with this type of data?**

Definitely. The intent of this online topographic map is to give users the ability to create quick, attractive maps that can be used for displaying their own thematic data. ArcGIS Online gives the user a higher quality base with which to work from than what was previously available. The map styles that we use can be downloaded as a template from ArcGIS Online for anyone to use.

**7) There also appear to be users who are developing new ways to improve cartographic rendering of related data. Is this driven primarily by the user community or by ESRI?**

As with many of the projects that ESRI works on, it is a bit of both. Our users have a need and we seek to work with them to come up with a solution. One such project we are working on with a partner is the ability to automatically update one database when another database is changed. This replication process would make it easier for a municipality, for instance, that maintains their own roads database to have any changes made in that database automatically updated in a provincial database, thereby reducing costs and update time and at the same time, improving the quality of the database content.

Author Paul Wozniak is Chair of the Mapping Technologies and Spatial Data interest group and he is a geospatial data specialist at the Geological Survey of Canada.



## IN MEMORIAM

### Barbara Jane Gutsell, July 19, 2011

Barbara Jane Gutsell (nee McLeod) of Guelph, passed away suddenly at home on Tuesday, July 19, 2011. Predeceased by her beloved husband Bernard Victor Gutsell. Barbara was born in Ingersoll, Ontario in 1925. She received a BA in Geography from the University of Toronto in 1948 and was a member of the Gamma Phi Beta sorority. She served as a Second Lieutenant in the Canadian Army Reserve and joined the Federal Geographical Bureau in 1948. Barbara spent time in the Yukon as a member of the first team of women sent on field research by the Bureau in 1949. She was an editor of *The Canadian Cartographer*, *Cartographica*, and the Clan MacLeod Society newsletter. She was a supply teacher with the North York Board of Education and a librarian at Don Valley Junior High.

Bernard Gutsell who passed away in 2010 founded the CCA and the journal (now *Cartographica*). If he was the 'father' of *Cartographica*, Barbara was very much the mother, as co-editor with Bernard for many years.



Photo: Bernard and Barbara Gutsell at the 2006 CCA annual meeting banquet in Ottawa, Canadian Museum of Civilization, June 20 (photo by Alberta Wood)



Quarterly Newsletter of the  
Canadian Cartographic Association/Association canadienne de cartographie

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ISSN 1183-2045

Cartouche is published quarterly by the Canadian Cartographic Association. Members are welcome to submit articles for publication. Articles and notices submitted for publication are subject to editorial approval. Please address your submissions to the editor. All other articles will appear in the language of submission. While every effort is made to ensure accuracy of content, the editor cannot be responsible for errors in compilation, or loss of any item submitted. Opinions expressed in the editorials, submitted articles and letters are not necessarily those of the Canadian Cartographic Association. The Canadian Cartographic Association gratefully acknowledges the financial support given by the Social Sciences and Humanities Research Council of Canada.

Cartouche est publié trimestriellement par l'Association canadienne de cartographie. Tous les membres peuvent soumettre des articles à l'éditeur du bulletin (voir coordonnées ci-dessus). Les articles et annonces soumis sont sujets à l'approbation de la rédaction. L'éditeur du bulletin ne peut être tenu responsable pour des erreurs de compilation ou la perte d'article. Des efforts particuliers sont déployés pour éviter de tels problèmes. Les opinions exprimées dans le cadre des éditoriaux, des articles et des lettres publiés dans le bulletin, ne reflètent pas nécessairement celles de l'Association canadienne de cartographie. L'Association canadienne de cartographie remercie particulièrement le Conseil de recherches en sciences humaines du Canada pour son apport financier.



### Information / Information

All fees are in Canadian dollars (no GST). Please note the additional mailing costs for members outside of Canada.

*Tous les frais indiqués sont en dollars canadien (TPS non-incluse). Veuillez noter qu'un coût postal supplémentaire s'applique pour les membres hors-Canada.*

A \$25 fee will be charged for any NSF cheque.

*Des frais de 25\$ sont applicables pour les chèques sans fond (NSF).*

Donations may be made to the Nicholson Scholarship fund.

*Nous acceptons les dons pour le fond de la bourse Norman Nicholson.*

The CCA provides its postal and e-mail mailing lists to Cartography and / or GIS related companies and uses the proceeds of these sales to support its activities.

*L'ACC met à la disposition des entreprises oeuvrant dans le domaine de la cartographie et des SIG, sa liste postale et de courriel. Les revenus de la vente de celles-ci servent à supporter les activités de l'association.*

- ☐ Please remove my name from such mailing lists.  
*S.V.P. cocher la case pour être retiré de la liste.*

### Address / Adresse:

Please make changes where necessary.

*S.V.P. indiquer les modifications s'il y a lieu.*

E-mail / Courriel : \_\_\_\_\_

(must provide email to receive Cartouche /  
fournir courriel pour recevoir Cartouche)

ID number / # d'identification : \_\_\_\_\_

Tel.(business) / Tél.(bureau) : \_\_\_\_\_

Tel.(home) / Tél.(domicile) : \_\_\_\_\_

Fax. / Télécopieur : \_\_\_\_\_

### Please indicate relevant interest groups:

*S.V.P. indiquez vos groupes d'intérêt :*

- ☐ Map Production Technology / Technologie Cartographique  
☐ Cartographic Education / Éducation Cartographique  
☐ Map Use and Design / Conception et Utilisation des Cartes  
☐ History of Cartography / Histoire de la Cartographie  
☐ GIS and Geovisualization / SIG et Géovisualisation

New Member / Nouveau membre : ☐

1 Year / année

Regular / Régulier : ☐ \$90

Retired / à la retraite : ☐ \$45

Student / Étudiant : ☐ \$45

Educational Institution / Nom de l'institution fréquentée : \_\_\_\_\_

Family / Famille : ☐ \$110

Two names / Noms des deux membres : \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

Corporate / Entreprise: ☐ \$200

Company Name / Dénomination sociale : \_\_\_\_\_

Two Representatives / Nom des deux représentants : \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

Institutional / Institutionnel : ☐ \$45

Institution Name / Nom de l'institution : \_\_\_\_\_

One Representative / Nom d'un représentant : \_\_\_\_\_

1. \_\_\_\_\_

Institutional membership receives Cartouche only /  
Les membres institutionnels reçoivent Cartouche seulement

### Additional Mailing Payment / Coût postal supplémentaire

Outside Canada / À l'extérieur du Canada : ☐ \$10

Online Access to Cartographica: ☐ \$5

(must supply email for this option)

Accès à Cartographica en-ligne :

(Doit fournir une adresse courriel pour cette option)

Donation / Don: \$ \_\_\_\_\_

TOTAL / TOTAL: \$ \_\_\_\_\_

### Payment/Paiement:

☐ Cheque / Chèque

Cheques payable to / chèque à l'ordre de :

Canadian Cartographic Association /

L'Association Canadienne de Cartographie

☐ VISA

☐ Mastercard

Card Number: \_\_\_\_\_

Exp. Date

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Signature: \_\_\_\_\_

### Please Return to / Veuillez expédier à :

Canadian Cartographic Association

c/o Paul Heersink, Treasurer

39 Wales Avenue

Markham, ON L3P 2C4

Fax: 905.477.7408