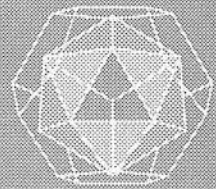


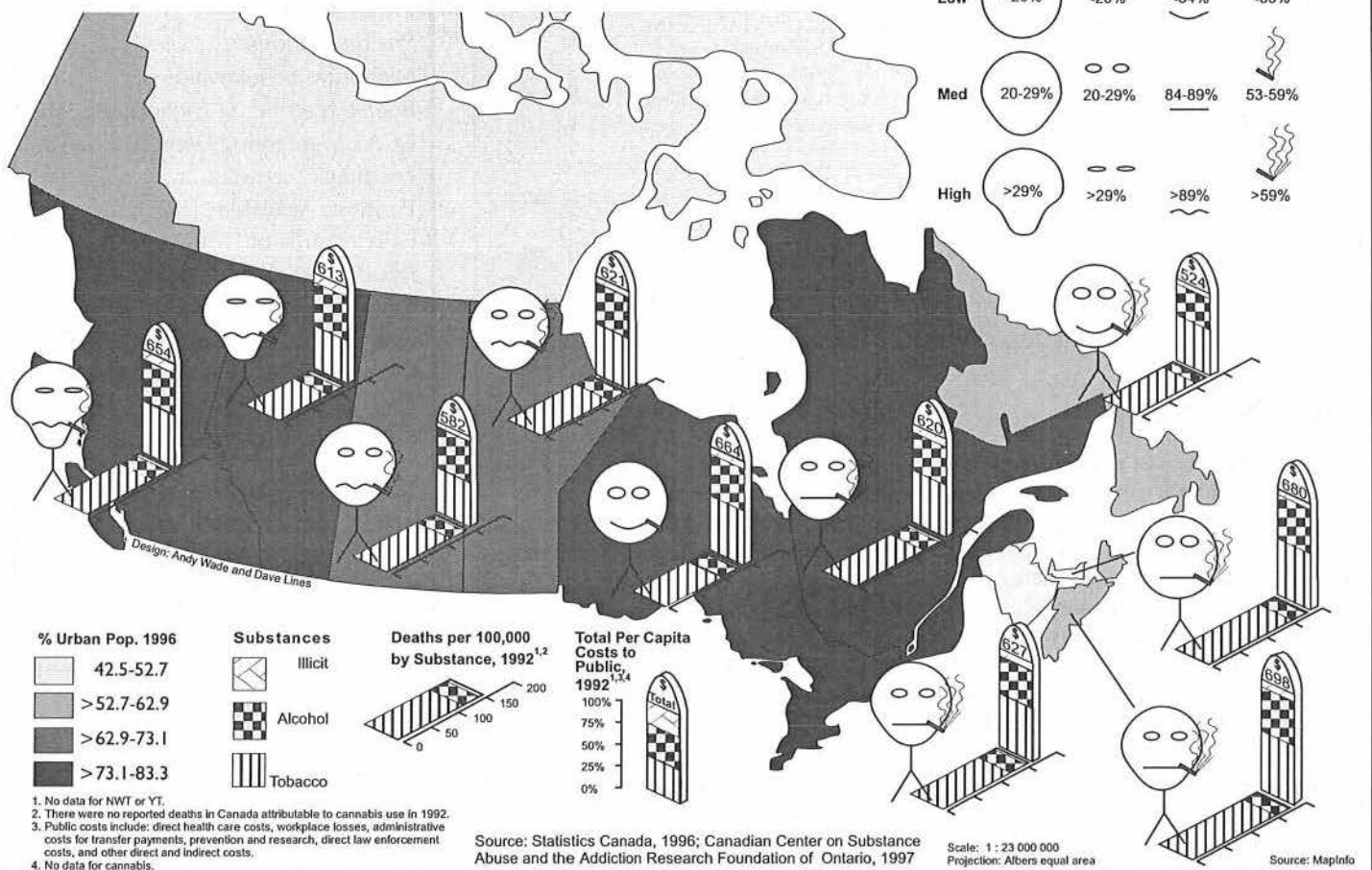
Cartouche



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

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One Foot In The Grave: The Costs of Recreational Drug Use In Canada



One Foot in the Grave: the Costs of Recreational Drug use in Canada, was this years winner of the Monochrome Map - Undergraduate category in the President's Prize Competition. It was designed and produced by Andy Wade and Dave Lines, students at the University of Victoria. Originally drawn to fit an 8.5 by 11 inch landscape image it has be reduced to fit here on a portrait page, hence the fonts appear smaller than the designers intended. The winners of all the other Presidents Prize categories can be found inside this issue on page 10.

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. It is the policy of the editor to provide dual language copy for editorial content and journal mechanics. 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.

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Editor's desktop:

Greetings. The last year has been a period of transition for me. For those who do not know I have moved from the "City of Legends" on the Canada's Atlantic coast to "Lotus Land" on its Pacific shore. Now that I have settled into my new life-style I am looking forward to begin my stint as the new editor of *Cartouche*.

Preceding me is a long line of hard working editors - Cliff Wood, David Douglas, Gordon Shields, Roger Wheate, Jim Britton and Weldon Hiebert (Who did I leave out?). Over the years, as a result of their contributions, the Association's newsletter has steadily grown and improved. I hope, as the new editor, I am able to continue the trend.

I especially would like to thank Weldon Hiebert the immediate past editor for all his help getting me started and for the terrific job he has done. His will be a tough act to follow. In issue Number 35 I have not changed the newsletter very much. I think the look and layout of *Cartouche* works very well. I will try to build and expand the con-

tent and tinker just a little with the design. I will always be looking for new and interesting content that will be of interest to our membership.

Next year is the 25th anniversary of the CCA and I am considering doing either a special issue, or devoting one regular issue to commemorate this event. I would welcome any ideas or content for this issue. We could possibly publish some of the old photographs you will be sending to Clifford Wood (See page 14, Help...). Once the dust settles from my first issue I intend to help Brian Klinkenberg redesign the CCA web pages. If any of you have any special ideas for the web site (either content or layout) we would like to hear from you.

This year I was unable to attend the conference in Ottawa and I can see from the reports that I missed a lot. However next year I intend to be in Edmonton and hope to see you all there. Don't miss the "Call for papers" (see back cover). Roger Wheate is waiting for your abstracts. ☺

Gary McManus, editor

Missing: CCA display

WE have looked everywhere !

Some years ago the CCA purchased a 3 panel display that we used at conferences. The panels are blue velvet, with a head board that fits across the top. The unit travelled in a blue travel case approximately 4' x 3' x 6". Please contact any executive member if you know where this could be. The last definite sighting was at the 1994 annual meeting in Ottawa. ☺



Michel Fournier
Cartologique, Montreal

Le XXe siècle, le Millénaire cartographique XXth Century, A Cartographic Millennium

1999... 2000, des années évocatrices à la fois de malheurs (bug, fin du monde, grande noirceur, guerres, ...) et de renouveau. L'histoire se répète à chaque fin de siècle. Des dates et des moments importants, pour l'humanité, il y en a eu des centaines qui sont tous autant d'évocateurs, pour les uns et les autres. Pour nous cartographes et géographes, ce sont, entre autres, ceux qui ont permis de pousser les frontières du monde connu. Rappelons-nous, par exemple, qu'il y a à peine quelques siècles, la Terre était considérée comme le centre de l'Univers avec quelques planètes gravitant autour; le passage de la conception de la forme de la Terre, d'un disque plat à la sphère (géoïde); les brumes, les monstres marins mythiques et autres craintes superstitieuses qui empêchaient les voyages au-delà de certaines limites sur les mers océanes; les voyages de ces grands explorateurs marins, géographes et cartographes assoiffés de savoir et d'espoir, partant malgré une certaine appréhension vers un inconnu souvent sans billet de retour; la découverte des nouveaux mondes que sont devenus les Amériques, l'Australie ainsi que l'exploration d'une Afrique à peine entamée; la conquête de l'Ouest américain; la conquête de l'espace.

À tous ces pionniers aventuriers, géographes, cartographes, arpenteurs tels : Mercator, Magellan, John Cabot, Jacques-Cartier, Samuel de Champlain, Cavalier de La Salle, Pierre Lemoyne D'Iberville, La Vérendrye, Joseph Bouchette Peter Fidler, Joseph B. Pemberton, Thomas Simpson, pour n'en nommer que quelques uns, nous leur devons beaucoup, ils nous ont légué, une histoire à travers leurs cartes et explorations. Grâce à eux et à de nombreux autres, provenant de diverses origines et cultures nos connaissances se sont considérablement enrichies, pour repousser toujours plus loin les limites de l'ignorance. Leur courage n'a pas été vain.

Les nombreuses cartes qu'ils ont tracées ou fait dresser sont un legs inestimable pour la communauté cartographique. La richesse et la qualité de ces documents doivent devenir une source d'inspiration pour le cartographe contemporain. Avec tous les efforts soutenus de nos ancêtres et devant les perspectives du siècle à venir, nous ne devons pas fléchir devant les percées technologiques qui ont tendance à émasculer tout ce qu'elles traitent, tendance que l'on peut également rencontrer tant en cartographie qu'en géomatique.

Je ne crois pas que nous soyons prêt à laisser tomber une science qui a tant fait pour l'humanité, malgré les usages douteux dont les cartes ont pu faire l'objet à certains moments. Nous sommes les nouveaux Colomb, Cartier, Cabot, Champlain, Mercator, c'est à nous de dire, haut et fort, à tous que nous sommes encore là et pour longtemps, que l'on doit compter sur nous pour maintenir la cartographie, dans tous ses états, à un haut niveau de qualité. Que seront les attentes de l'industrie si la technologie inhibe le message à véhiculer au point de lui enlever son âme? Il faut endiguer un certain laxisme qui règne dans certains secteurs de la cartographie, quant à la rigueur et à la souplesse avec laquelle les cartes doivent être conçues, réalisées et utilisées afin d'éviter un dérapage

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19992000, the years that follow could be both a nightmare (such as the Y2K bug, end of the World, the great darkness, wars, ...) and a new lease of life. As often, the history cycle happens again at the end of every century. For mankind, dates and significant moments are numerous and meaningful for everyone of us. As cartographers and geographers, we are particularly interested in those who extend the frontiers of the known world. Remember, a few centuries ago, the earth was the center of the universe; conception of the earth changed from a disc to a sphere (geoïde); fog, mythic sea monsters and other superstitions limited ocean exploration. Those great sea explorers, geographers and mapmakers thirsty for knowledge and hope, traveled through the sea toward the unknown without any return ticket. They discovered new worlds, such as, the Americas, Australia, explored Africa, conquered Western North America, and entered the frontiers of space.

To all of those adventurers, geographers, mapmakers, and surveyors such as : Mercator, Magellan, John Cabot, Jacques-Cartier, Samuel de Champlain, Cavalier de La Salle, Pierre Lemoyne D'Iberville, La Vérendrye, Joseph Bouchette Peter Fidler, Joseph B. Pemberton, Thomas Simpson we owe so much. They leave us a history through their maps and explorations. Although, from different origins and cultures, these brave explorers and others have enriched our knowledge by diminishing our ignorance. Their courage wasn't in vain.

The numerous maps they have drawn are an invaluable asset for the cartographic community. The richness and the quality of these graphic treasures can be a source of inspiration for the contemporary cartographer. As with our ancestors who came before us, we too should strive to maintain a high level of graphic excellence. We should not be swayed by the new technology which tends to sometimes overlook cartographic quality, which is sometimes the case with digital cartography and geomatics.

I do not believe we are ready to diminish mapping science which has done so much for humanity, even if some maps are made incorrectly. We are the new 'Columbuses', 'Cartiers', 'Cabots', 'Mercators'. We have to tell the world that we are still alive and well, we are the guardians of cartography and of map quality. What will happen to the industry if technology is allowed to inhibit the maps message to the point of removing its spirit? We have to check this "free-and-easy" attitude in certain cartographic sectors, toward a lack of strictness and flexibility in the design, construction and use of maps to avoid an uncontrolled decline in map quality. It is up to us, the new cartographers and geographers and to you as a professional, to act in your community. It is in the best

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incontrôlable. C'est donc à vous, nouveaux cartographes et géographes en herbe et à vous cartographes professionnels d'agir dans votre milieu de travail immédiat et également là où le besoin se fait sentir. Un usage plus rationnel des cartes se fera dans le meilleur intérêt tant des entreprises/usagers que de la cartographie ou des cartographes. Il existe encore trop de cartes publiées dans divers médias, dans des rapports d'étude et autres supports, dont la qualité est fort douteuse voire même intolérable. Peut-être que cela serait utile de créer une agence de surveillance cartographique dont le but serait de conseiller, d'aider les concepteurs de carte tant cartographe, géographes, infographistes ou autres dessinateurs.

Bien que les technologies soient en constante évolution et permettent de réaliser de plus en plus de prouesses, on ne peut en dire autant au niveau du traitement du contenu cartographique et de son langage sémiologique. Je me garde bien ici de vouloir tirer un portrait alarmiste mais l'on doit admettre que la situation est préoccupante. Produire des cartes c'est bien mais encore faut-il qu'elles soient lisibles. Ce n'est certes pas nouveau, cela fut décrié à maintes reprises mais il semble que cela soit toujours d'actualité. C'est, entre autre, avec la complicité de la relève que nous pourrions acheminer le message, tenter de colmater les brèches, en assurant à celle-ci, une formation plus adéquate, plus adaptée qui les fera évoluer avec les technologies voire même fera évoluer les technologies et la cartographie. De ce fait nous serons en meilleure position pour modifier le cours des choses et donc imprégner notre trace dans l'histoire, dans ce siècle qui va débiter sous peu.

Nonobstant les nombreux logiciels de cartographie pour les SIG, la plateforme Internet pourra nous être d'un grand apport puisque dans la prochaine décennie nous verrons la création de nombreux Atlas virtuels auxquels nous pourrions accéder. Ce mode de communication subira une profonde évolution tant sur le plan technologique qu'au niveau de son accessibilité.

Les Atlas virtuels nous offrent de nouvelles opportunités dont la possibilité de voir en temps réel, une fluctuation temporelle pour une période donnée, d'intégrer des données plus récentes aux cartes voire même, d'ajouter de nouvelles cartes sans avoir à passer par le long processus de la réédition. Malgré les nombreux attraits de ce type d'Atlas, cela ne sonnera pas nécessairement le glas des Atlas conventionnels sur papier mais en réduira considérablement le nombre.

Peu importe le support sur lequel seront produites les futures cartes, les cartographes devront s'adapter aux nouvelles technologies et maintenir le traitement de l'information à un niveau de qualité plus qu'acceptable afin d'éviter la banalisation des cartes. Il est à espérer que les technologies sauront également s'adapter, pour leur part, à la complexité de la création des cartes et au traitement du message à véhiculer car il y a là encore beaucoup de chemin à franchir dans cette direction.

Vous fidèles cartographes lecteurs, vous devez être plus critique face à l'évolution de notre domaine. Les pages de notre bulletin vous sont grandes ouvertes. N'hésitez pas à nous faire connaître votre point de vue, vos préoccupations, les problèmes auxquels vous avez à faire face. Parce que tout est en mouvement, matière à changement nous nous devons de nous adapter rapidement. Je vous invite à consulter les sites internet www.atlas.gc.ca, www.unites.uquam.ca/atlasquebec

CONFÉRENCES DE L'ACI 1999

Les conférences cartographiques, tenues à Ottawa, ont été l'occasion de rencontres fructueuses de cartographes, de géographes et de géomaticiens en provenance de tous les coins de la planète. L'événement fut un véritable marathon, voire un casse-tête pour

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interest of everyone, corporations, map users, mapmakers and geographers. There are still lot of intolerable and poor quality maps published everyday in newspapers, magazines, reports and so on. The solution may be a controlled quality mapping agency! We must help mapmakers, geographers, "infographists" and others to draw better maps.

Technology is constantly changing and gives us more prowess but when it comes to dealing with cartographic contents and semiological language the solutions are not as clear. The situation is quite worrying, it isn't a new problem but it is still happening. If a map is unreadable what is the use of it? The best hope to overcome this problem is to ensure that the students of cartography become aware of the problem by giving them the appropriate and adapted courses based on the evolution of cartography. Indeed these students may advance both technology and mapping. In this way, we will be in good position to make our mark (cartographic) in the history of the new millenium.

Notwithstanding a vast array of GIS and mapping software, the World Wide Web may be a great contribution since in the next decade some interactive virtual atlases will appear. The Web will be subject to a massive technological transformation and will be more accessible than ever. Virtual atlases give us some new opportunities such as showing in real time the evolution of a statistical phenomena or to integrate new maps on demand, leaving the printing process far behind. In spite the attractiveness of virtual atlases paper atlases will not disappear but surely there will be less printing.

It does not matter much how maps will be produced in the future, however mapmakers must work with technology to maintain a high quality of information and to ensure an appropriate treatment of the data if we don't want maps to become trite. We hope technology will some day be integrated into the complexity of all basic map input rules and data treatment.

I ask you faithful cartographer readers to be more critical of your work and colleagues' work. Be aware of cartographic evolution. Our *Cartouche* pages are all open for your comments. Let us know your point of view on any cartographic subject, or on any difficulties you've faced. Every thing is in motion and may change. Take time to surf the Web sites :

www.atlas.gc.ca; www.unites.uquam.ca/atlasquebec

ICA 1999 CONFERENCES

The last ICA Conference in Ottawa was an excellent opportunity for cartographers, geographers and geomaticians to meet colleagues from over the world. The event was a marathon of papers, indeed a puzzle for attendees who had to select from their "menu" over 250 papers (distributed in 16 sessions), plenary sessions, poster sessions, seven cartographic exhibitions such as International and 1999 CCA President Prize, Canada at scale: Maps of Our History, workshops, technical tours of Federal Agencies, a huge commercial exhibition, ICA commissions and working groups, annual meetings of affiliated cartographic associations, some social events and optional excursions and of course our famous orienteering

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Roger Wheate
University of Northern
British Columbia

Cartographers still rule the world

The annual CCA meeting within the 19th Conference of the ICA was a wonderful affair, involving a record number of cartographers from the CCA point of view and interaction with cartographers from five continents, superb map displays and highly stimulating presentations. Usually at large GIS meetings, I admit I spend more time at the vendors' displays than in paper sessions, but here the papers were just too good to miss; indeed the four concurrent sessions made session selection quite challenging.

The additional delegates attending the ICA meeting led to record numbers at the CCA AGM and popular Orienteering event, both of which attracted 70 participants. The latter which combines two of my favourite activities: map reading and beer drinking was a truly international event and invoked memories of the "60 year old Swede versus 30 year old Canadian" advertisements. In fact it was not just Swedes, as the top 10 fielded many other European nationalities. The ceremonies afterwards at the Edinburgh Pub reminded us why we enjoy these CCA gatherings so much.

Two days later, we met again socially at the Uplands marina for a BBQ by the Ottawa River, hosted by David Douglas (CCA) and Grace Welch (ACMLA). At such events, new members are impressed by the nature of the group which is more like an extended family than a professional association, and why many of us find it so appealing. The evening climaxed with highly merited awards of distinction going to Sir Sandford Fleming College and the College of Geographic Sciences, received by Steve Pelletier and Ada Cheung respectively, and to Professors Michael Goodchild and David Douglas. We were also honoured with the

presence of incoming ICA president, Bengt Rystedt of Sweden.

Aside from these social events and meeting with international cartographers, the conference was invigorating to cartographers who refuse to believe that cartography has become a mere handmaiden to the GIS juggernaut. Outgoing ICA President, Michael Wood from the University of Aberdeen, told us that the three most important developments in human history have been: "language, music and mapping" The power of the graphic image in communicating information and

The power of the graphic image in communicating information and ideas increases in strength as technology makes printing maps progressively easier.

ideas increases in strength as technology makes printing maps progressively easier. Our re-printed bumper sticker has the same message as 10 years ago: "Cartographers rule the world". We may not use rulers anymore to make maps, but the pun holds as more and more users need maps. GIS and the World Wide Web enable non-cartographers to turn out more rubbish maps easier than ever, so we have a duty to ensure that standards are maintained and that people of all ages learn to understand and appreciate the beauty and utility of maps.

To this end, the map displays were both inspiring and encouraging at three

levels: the Children's Map competition coordinated by Erin Kuyvenhoven and the International map exhibit organised by Claire Gosson (both CCA members) showed an incredible range of ideas and well executed cartographic techniques. In between these, the maps entered in the President's Prize competition left delegates with no doubt as to the quality of Canadian students in the GIS and mapping fields, nor that students still learn the fundamentals of great map design along with changing technologies, especially from the previously mentioned award winning colleges.

This concludes my year as President, but the next year as Past-President will be almost as busy. The 2000 annual meeting will be in Edmonton and we'd love to see a record number of members join in the 25th anniversary celebrations. The past-president also chairs the nominations committee for incoming executive positions. While not everyone has time to spare, serving an Association on the executive can be so much more rewarding than simply being a member. One perk is to receive travel assistance to the annual meetings over the two year term of office. Please contact me if you might consider any of the positions listed in this issue.

Finally a big thanks to those departing members of the executive: the immediate past-president is Brian Klinkenberg, who has delighted us by taking on new duties as the editor for *Cartographica*. Completing their two year terms as Interest Group Chairpersons were: Ute Dymon, Byron Moldofsky and Joe Piwowar. Please ask them how much fun it was! I know I really enjoyed working with them and everyone in the CCA family. ☺

Reports 1999

Intrest Group Chairs and Appointees

History of Cartography Interest Group, Jeffrey Murray, National Archives

This past year was my first in almost a decade as the chairperson of the CCA's History of Cartography Interest Group. To date, my contributions to *Cartouche* have focussed mostly on shorter pieces that note special events and developments which directly affect the study of the history of cartography. Suggestions and pieces for the column by CCA members are, of course, always welcome.

In addition to my contributions to *Cartouche* over this past term, I also published a piece on one of Canada's more unique urban mapping projects: the 1808 model of Quebec City. The model was assembled by engineer John By (who was later placed in charge of the construction of the Rideau Canal) and surveyor Jean-Baptiste Duberger. Although three-dimensional models were a popular method of urban mapping in the late-eighteenth and early-nineteenth centuries, the Quebec model is the only surviving North American example. The article appeared in the March-April issue of *Mercator's World*. The model itself is on permanent display at Artillery National Historic Park, Quebec City.

Since last spring, I have also been working closely with the editors of *Canadian Geographic* on an up-coming special issue which will be dedicated almost exclusively to the early mapping of Canada. *Canadian Geographic* has a circulation of approximately 250,000, giving it one of the largest readerships in Canada. This has been an unique opportunity to broadcast to a large popular audience the

wonders of early Canadian cartography. Perhaps the magazine's younger readers will be sufficiently captivated by what they see and read to pursue future studies in cartography at one of our post-secondary institutions.

Map Use and Design Interest Group, Ada Cheung, COGS

The poster for the ICA conference has been designed and awaits potential sponsors for further printing for promotion to schools and colleges. The design was forwarded to Andrew Millward for printing T-shirts. Three large size posters were printed for the ICA for the display booth. The CCA brochure has been laser printed: it is in portrait layout with French and English versions on separate sides. The *Careers in Cartography* booklet has been distributed to executive members and will be translated for publication sometime after the AGM. I am awaiting some contributions and updates on the material in the guide.

Cartographic Education Interest Group, Ute Dymon, Kent State University

My major concern has been to encourage student participation at the annual conferences. In London, Ontario, student paper awards were presented to Anita Muller, a Masters student in Geography at Concordia University and Erin Kuyenhoven, a Masters student in Geogra-

phy at the University of Victoria. Two other students actively participated by organizing workshops, Andrew Millward from Guelph University and Rick Gray, Environmental Biology at Guelph University. Erin, Andrew and Anita all were involved with the 1999 ICA conference: Anita was one of several students who took advantage of free attendance in return for volunteering; Erin was in charge of the Barbara Petchenik Children's Map competition; Andrew created the CCA T-shirt and was in charge of the CCA desk on the exhibition floor. The *Careers in Cartography* booklet has been completed and Ada is working to make it more attractive. I have faithfully returned Email messages from students and encouraged them to become student members of the CCA.

Map Production Technology Interest Group, Byron Moldofsky, University of Toronto

Map production technology continues to change at a breakneck pace. In the last year articles have appeared in *Cartouche* which attempt to shed light on some of the most significant of these changes: design of interactive mapping for web sites, effective use of affordable colour printers for good CMYK reproduction, and the use of scripting languages in desktop mapping and graphics programs.

After *Cartouche*, the CCA web page is viewed as the second major means of communication with the membership. At present some modest steps have been taken to develop this conduit. A design has been submitted for personal pages for each of the interest group chairs

which outline their activities and contains links to related sites.

It seems to me that one of the functions of the Map Production Technology group should be to facilitate a helpful network of CCA members to share experience, and act as resource people for other members. Several "experts in their field" have been approached and agreed to act in this role for specific software packages: Illustrator, Coreldraw, Freehand, Arcview. No arms were broken due to excessive torque in assembling this group of volunteers - in fact I was delighted with the enthusiasm with which these approaches were greeted, and I would like to thank David Mercer, Gary McManus and Steve Fick. Contact information is listed on the group's web page. I hope that the incoming group chair decides to pursue these modest initiatives, and I would like to offer to him or her my support and participation in the future.

Analytical Cartography and GIS Interest Group, Joe Piwowar, U. of Waterloo

During 1998-99, I explored a variety of automated cartography issues in my Cartouche articles. In Cartouche No. 30 I summarized much of what I learned at the successful presentation on Interactive Web Map Publishing which I co-chaired with Byron Moldofsky (Map Production Technology Interest Group Chair) at last year's annual meeting in London. In "2001: A Societal GIS Odyssey" (Cartouche No. 31), I explored how GIS is becoming increasingly integrated into every aspect of the workings of our governments and indeed the very societies within which we live. Regardless of how commonplace GIS is becoming, a problem we will all face very soon is: "How do I successfully archive all of my important spatial data and information?" I reviewed a few strategies for "Putting Your Data out to Pasture" in Cartouche No. 32/33. I became more reflective in Cartouche No. 34 where I

looked back over the past 30 years of digital mapping and highlighted some of the paradigm shifts which have happened within this discipline over the past 3 decades.

In my first Cartouche article, published two years ago ("Remote Sensing: The Next Generation", Cartouche No. 28), I excitedly speculated on how the advancements in remote sensing technologies might affect GIS. I revisited this theme again at the 1999 Annual Meeting / ICA'99 where I put together a panel discussion with experts from government, academia, and industry to explore how data from the new generation of high-resolution remote sensing satellites will change not only GIS, but the very nature of cartography.

Membership Coordinator report, Monika Rieger

Attached please find the membership statistics report as of December 31, 1998, the membership statistics report dated December 31, 1997 and the net change report which compares the statistics of the two years. These figures indicate the number of members holding memberships for the calendar year in question. Last year we experienced an increase in membership - a gain of 50 members occurred in 1998. The Net Change form shows the breakdown by membership category and country in which the gain occurred (with update to July 21, 1999).

These are the membership levels for the last four years:

Year	Members	Loss/Gain	Percent Loss/Gain
1994:	328		
1995:	299	-29	-9%
1996:	269	-30	-10%
1997:	220	-49	-18%
1998:	270	+50	+23%
1999	300	+30	+11%

(as of August 31)

The loss due to members who did not renew for 1998 (22) was much less than the

usual 60-65 members which we had been experiencing over the last several years. More importantly, we gained many new members (64) and reinstated several (8). These two factors account for the significant gain for 1998.

CCA MEMBERS (as of July 21, 1999)
(R = Regular, A = Associate, S = Student, I = Institution, C = Corporate, F = Family, T = Retired, E = Executive (most hold Regular memberships), H = Honorary)

CANADA									
R	A	S	I	C	F	T	E	H	Total
94	41	32	15	2	7	12	8	2	213
U.S.A.									
R	A	S	I	C	F	T	E	H	
48	0	2	2	4	0	8	0	0	64
OTHER COUNTRIES									
R	A	S	I	C	F	T	E	H	
8	1	3	1	0	0	1	0	0	14
GRAND TOTAL									
R	A	S	I	C	F	T	E	H	
150	42	37	18	6	7	21	8	2	291

Cartouche Report, Weldon Hiebert, University of Winnipeg

The past year was a challenging one for the newsletter. The first half (summer and autumn) went well, but problems occurred after that. Due to lack of content, the issue I normally send out before Christmas was delayed until the end of January. By the time January rolled around, the issue was still on hold because of impending ICA announcements and registration information that needed to be included in the newsletter. By the end of February I had to make the unpopular move of combining the winter and spring issues. Eventually my hair grew back in and I had no problems with the last issue (#34).

In March I informed the executive of my decision to step down as editor of Cartouche. After five years it was time for a change. I would like to thank the CCA for the opportunity as editor of Cartouche. I thoroughly enjoyed it. I always looked forward to "deadline time" as each issue was a

continued on page 8

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new and different challenge. I always had a feeling of great pride (and relief!) when I picked up the completed newsletter from the printer. Being editor also gave me the opportunity to work (and socialize) with my contemporaries from across the continent and a chance to make new friends. I would like to wish my successor, Gary McManus, the best of luck and hope he will enjoy working with the newsletter as much as I did.

Cartographica Report, Brian Klinkenberg, University of British Columbia

The journal is beginning to return to an on-time publication schedule. All of the 1998 issues have now been published, and we are in the process of getting the first issue of 1999—a paper issue—through the publication process. The four issues of 1998 were printed as two separate monographs. Volume 35 (1/2) was a monograph (May 99) entitled *Maps as Mediated Seeing*, written by Gerald Fremlin with Arthur Robinson. Volume 35 (3/4) is another monograph, entitled *Cartography and Statecraft*, and is a collection of related papers edited by James R. Akerman. This issue was published in July (its in the mail!).

We are now working on Volume 35, Issue 1, the first 'real' issue of 1999, and hope to have it published early this fall. I am aware of 22 articles: 2 are at the Press; 2 articles have been returned revised; 4 have been sent back for revisions; 2 have been rejected; 11 are out for review. We have about 15-20 book and atlas reviews in hand also.

I have just received a potential monograph, and have sent it out for review. In a sense, it would be a companion piece to the *Maps as Mediated Seeing* monograph, since it considers the same subject matter but from a different perspective. I have two potential special issues in the works. One, out of England, would include papers selected from a conference on visualization (guest editor, Dr. Nick Tate). The other, out of Hong Kong, would include papers selected from a conference organized by various ISPRS and IGU working groups on

dynamic and multidimensional GIS (Guest Editor Dr. Zhi-lin Li). Both would like to be published before the end of 2000.

There are also a number of potential special issues which could arise out of some of the ICA sessions. In addition, the University of Toronto Press has created a small display for the conference, and members of the Cartographica Editorial Board will be promoting the journal throughout the conference. It is hoped that all of this activity—the publication of the two monographs over the past months, the UTPress display booth, and the Editorial Board contacts—will result in an increased awareness of the journal among cartographers around the world, which should translate into an increased submission and subscription rate. In the end, I am confident that the journal will emerge revitalized after this conference, and that we should soon see *Cartographica* return to an on-time publication schedule. 🌐

Congratulations

Tammy dePass recipient of the *Norman L. Nicholson Memorial Scholarship in Cartography* for 1999.



A beaming Tammy dePass accepts her award at the CCA banquet in Ottawa.

(photo: W. Heibert)

CALL FOR NOMINATIONS, élections 2000 APPEL AUX CANDIDATURES

**Nominations are sought for the following positions for election in 2000 /
Ces postes seront à combler, 2000:**

Vice-President / vice-Président

Interest Group Chair, Map Use and Design (2 year term)

Présidents du group d'Intérêt Conception et utilisation des cartes (mandat de 2 ans)

Interest Group Chair, History of Cartography /

Présidents du group d'Intérêt Histoire de la cartographie (mandat de 2 ans)

Please send suggestions or nominations to Roger Wheate (wheate@unbc.ca)

Nous vous invitons à soumettre des candidatures pour les membres de l'exécutif au Roger Wheate, Président du comité de candidature (wheate@unbc.ca)

The nominating committee consists of Roger Wheate (Chair / Past-President), Lee Thomson, Weldon Heibert. The final list of candidates will appear in *Cartouche* 36 and the ballots mailed out at least 12 weeks ahead of the 2000 annual meeting (as per constitutional amendment passed in Ottawa).

Le comité de nomination est constitué de Roger Wheate (Président sortant), de Lee Thompson et de Weldon Heibert. La liste finale des candidatures sera publiée dans l'édition #36 de Cartouche, les bulletins de vote seront disponibles 12 semaines avant l'Assemblée générale annuelle de 2000 (selon l'amendement accepté lors de la dernière Assemblée générale).

Report from the Chair of the Canadian National Committee for Cartography and the CIG Technical Councillor for Cartography, August 1999

Peter Keller, Chair, CNC for Cartography

I am pleased to tell you that we managed to get the Canadian National Report to the ICA entitled "Cartography in Canada 1995-99" complete and published as *Geomatica* Vol. 53, No. 2, 1999.

The committee, composed primarily of CCA members also produced the Proceedings and the Scientific and Technical Programme for Ottawa ICA 1999. Thanks for the exceptional support received from those on the Ottawa ICA 1999 Scientific Committee (Ed Dahl, Majella Gauthier, Brian Klinkenberg, Jan Mersey, Alberta Wood, Cliff Wood) and thanks to all of you referees out there who helped judge and sort abstracts.

For background information about the national committee and other information, I add below a copy of my report of the Canadian National Committee for the ICA published in the four year report. My term of office ends with this report. I want to take this opportunity to thank all of you who make up the community of geomaticians, and especially all of you who share our common interest in cartography and all that cartography stands for. For the next year, you will find me down under in Auckland, New Zealand on sabbatical leave recovering.

Copy of report introducing the Canadian National Committee for the ICA

Background:

Canada's membership in the International Cartographic Association is held by the Canadian Institute of Geomatics, Canada's oldest surveying and mapping organization, which was founded in 1882 as the Canadian Institute of Surveying. The Canadian Institute of Geomatics has a broad mandate to represent all the diverse aspects of geomatics, including surveying and charting, remote sensing, navigation, GIS, cartography and mapping. Recognizing that there exist within Canada a number of other national and provincial associations whose primary interests are cartography, the Canadian Institute of Geomatics has negotiated with these organizations a 'Memorandum of Understanding' that puts in place the Canadian National Committee for the International Cartographic Association. This committee consists of a chair and a membership formed by the presidents or their representatives from the following organizations: Canadian Institute of Geomatics (CIG) - Tony O Connor; Canadian Cartographic Association (CCA) - Iain Taylor; Association of Canadian Map Libraries and Archives (ACMLA) - Alberta Wood; L'Association Québécoise de Cartographie (CartoQuébec) - Clement Lord

The chair's terms of office are for a four year period coinciding with the time between ICA General Assemblies. Procedure is for the Canadian Cartographic Association to nominate an individual to hold the position of Technical Councillor for Cartography in the Canadian Institute of Geomatics.. Clifford Wood held this position from 1987-1991, Norman Drummond 1991 - 1995, and Peter Keller 1995-1999.

The mandate of the Canadian National Committee are spelled out in the 'Terms of Reference' last modified in 1991:

- to represent the Canadian cartographic community internationally through Canada's membership in the International Cartographic Association;
- to review and develop a national position on administrative and cartographic matters relevant to the International Cartographic Association;
- to ensure that Canada is appropriately represented on ICA Standing Commissions, Ad Hoc Commissions, Working Groups, Joint Inter-Association Working Groups and Committees; to prepare for each quadrennial ICA General Assembly and International Technical Conference by:
 - (a) publishing a national report covering government and non-government mapping activities, cartographic education, technological development (including geographic information systems), cartographic literature, activities of professional societies, and special activities of interest;
 - (b) identifying key issues which will be discussed and voted on at the General Assembly and preparing a Canadian position on these issues;
 - (c) considering the nomination of Canadians for executive positions and, if appropriate, encouraging such individuals to stand for election at the General Assembly;
 - (d) ensuring that high quality technical papers are prepared by Canadian authors for presentation at the International Technical Conference and publication in the conference proceedings; and
 - (e) providing a national exhibit illustrating advances in Canadian cartography by displaying representative maps, charts, atlases and other cartographic developments since the previous conference; and to encourage Canadian participation in support of ICA educational seminars, publication of cartographic texts, and similar special projects.

The national committee tries to meet at least annually, usually in conjunction with an annual meeting of the Canadian Cartographic Association. Meetings are open to all members from the cartographic community.

The Canadian National Committee wishes to thank everybody for their time and effort dedicated to ICA Ottawa 1999. Two individuals I will mention because their efforts deal more with national than international aspects of ICA 1999 business are the works by Claire Gosson and her team preparing Canada's national map exhibition, and works by Erin Kuyvenhoven and

continued on page 10

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her team preparing Canada's submissions for the Barbara Petchenik ICA Children's Map Competition.

The Canadian National Committee is pleased to have been able to nominate Alberta Wood to one of the position of ICA Vice Presidents for the 1999-2003 period.

I conclude with a note of thanks to all those who have given their time and effort to the Canadian National Committee for the ICA between 1995 and 1999. It has been a great pleasure working with you. ☺

Peter Keller

follow-up:

Peter Keller has been re-nominated for a second four year term as CNC Chair.

Carolyn Weiss (Statistics Canada, Ottawa) has been appointed as the CCA representative to the CNC for a four year term, replacing Iain Taylor on completion of his term.

Alberta Auringer Wood was elected as one of the seven ICA Vice-Presidents to serve for the next four years.

Talking maps allow the blind to chart own future

adapted from the National Post, October 5, 1999

A recent international workshop hosted by the Canadian National Institute for the Blind (CNIB) and Carleton University (Dr. Fraser Taylor) highlighted the Tactile Audio Graphic System (TAGS) developed by Don Parks, and Australian cartographer. TAGS combines a touch pad with a synthesizer that announces the location's name. The technology allows blind users to make maps rather than simply use maps created with tactile media. The system is clearly suitable for elderly populations as well as visually impaired. ☺

Résultats des élections au comité exécutif 1999 Election Results

The following candidates were elected at the annual meeting in Ottawa, August 1999. *Les membres suivants de l'ACC ont été élu à l'exécutif 1999, en Ottawa, août 1999.*

Vice-President / vice-Président:
PATRICIA CHALK, UWO

Map Production Technology /
Technologie de production
cartographique:
KEN FRANCIS, NRCAN

Analytical and GIS / Cartographie
analytique et SIG:
PHIL DODDS, Intergraph Corporation.

Cartographic Education / éducation
cartographique:
DAVID BROSCOE, Algonquin College

ROGER'S QUIZ

Subject: *Cartouche 34 and 35*

Reward: A copy of the new CCA bumper sticker "Cartographers rule the world". Three winners will be drawn from all entries.

1. Who is the new President of the ICA?
2. Who is the perennial organizer of the CCA Orienteering event at the annual meeting?
3. Where will the 2000 CCA annual meeting be held?
4. Avenza's MAPublisher software runs on top of Illustrator and Freehand. Why is there not a version for the popular CorelDRAW software?
5. How old will the CCA be in the year 2000?

email your answers to: wheate@unbc.ca

Le concours pour le Prix du Président 1999 President's Prize Competition

Congratulations to the following students, who were recipients of awards at this year's conference.

Félicitations aux étudiants récipiendaires des accordés lors de l'Assemblée annuelle de l'Association canadienne de cartographie.

MONOCHROME MAP (Undergraduate)
CARTE MONOCHROME (sous-gradués):
Andy Wade & Dave Lines, University of Victoria (Instructor: Diana Hocking), "One Foot in the Grave: the Cost of Recreational Drug Use in Canada."

COLOUR MAP (Undergraduate)
CARTE EN COULEUR (sous-gradués):
Frédéric Tremblay, Université du Québec à Chicoutimi (Instructor: Majella Gauthier), "Où sont les jeunes au Québec en 1996?"

MONOCHROME MAP (Graduate or College)
CARTE MONOCHROME (gradués ou collégiaux): **Rob Jensen**, College of Geographic Sciences (Instructor: Ada Cheung), "Cape Breton Highlands Park."

COLOUR MAP (Graduate or College)
CARTE EN COULEUR (gradués ou collégiaux): **John Statham**, Sir Sandford Fleming College, (Instructor: Steve Pelletier), "Stonehenge and its Environs."

JOURNALISTIC MAP
CARTE JOURNALISTIQUE:
Craig Pitman, College of Geographic Sciences, "Chernobyl, the spread of radiation."

Map from GIS output
Carte SIG
Celine Gilbert, Sir Sandford Fleming College, "Reconstructing Ancient Shorelines, Thunder Bay, Ontario."

Bourse d'étude en cartographie en mémoire de Norman L. Nicholson

L'Association canadienne de cartographie est fière d'offrir une bourse d'étude en cartographie en mémoire de notre collègue le Dr. Nicholson, professeur reconnu et respecté dans la communauté et également membre de l'Association. La bourse d'étude d'une valeur de 500\$ sera remise annuellement. Elle est dédiée à la reconnaissance et à l'encouragement du travail exceptionnel d'un étudiant et de sa capacité dans différents aspects de la cartographie.

Conditions d'éligibilité:

Pour se qualifier le candidat doit:

1. Être citoyen canadien ou immigrant reçu;
2. L'étudiant doit poursuivre à temps plein des études orientées en cartographie et:
 - a) doit être rendu dans la dernière année du programme d'étude suivi dans un collège, un CEGEP ou un programme d'étude spécialisé sous-gradué ou
 - b) doit débiter sa première année d'un programme de second cycle.

L'adhésion à l'Association canadienne de cartographie n'est pas requise.

Règlement:

Le candidat doit soumettre les pièces suivantes:

1. Un formulaire d'application complété;
2. Un relevé des cours suivis et diplômes obtenus dans un collège, un CEGEP ou une Université;
3. Un exposé dactylographié d'une page décrivant le plan d'études en cartographie de l'étudiant;
4. Une lettre de recommandation de deux représentants du département qui sont familier avec le travail et les capacités du candidat (Les lettres doivent être envoyées directement au Président du Comité des Prix par les représentants de l'institution).

Faire parvenir les pièces avant le 1 mai 2000 à:

Roger Wheate,
Président du Comité des Prix
Geography
University of Northern British Columbia
Prince George, B.C. V2N 4Z9

Téléphone: (250) 960-5865 Télécopieur: (250) 960-5587
Courr. élect: wheate@unbc.ca

Jugement:

Les soumissions seront jugées par le comité des prix de l'ACC. Le nom du récipiendaire sera annoncé lors de la conférence annuelle qui se tiendra à Toronto. Le Comité se réserve cependant le droit de suspendre la remise de la bourse si les candidatures n'atteignent pas un niveau satisfaisant. Le gagnant doit accepter son prix par écrit dans les deux semaines de sa notification par le Président du Comité des Prix. ☉

The Norman L. Nicholson Memorial Scholarship In Cartography

The Canadian Cartographic Association is proud to offer the Norman L. Nicholson Memorial Scholarship in Cartography in honour of our late colleague. The scholarship, valued at \$500, is awarded annually, and is intended to recognize and encourage exceptional student achievement and ability in any aspect of cartography.

Eligibility:

To qualify the applicant must be:

1. A Canadian citizen or landed immigrant.
2. A student who proposes to continue full time studies with a concentration in cartography, and is:
 - a) entering the final year of a college, CEGEP or under graduate honours program, or
 - b) entering or enrolled in a graduate program.

Membership in the CCA is not required.

Application:

The applicant must submit the following:

1. A completed application form ;
2. Official transcripts of all college/CEGEP/university courses completed and grades received;
3. A one-page typed statement outlining the applicant's plans for continuing education in cartography;
4. Letters of recommendation from two faculty members who are familiar with the work and abilities of the applicant (to be sent directly to the Chair of the Awards Committee by the faculty members in question).

All materials should be sent by May 1, 2000 to:

Roger Wheate,
Chair CCA Awards Committee
Geography
University of Northern British Columbia
Prince George, B.C. V2N 4Z9

Tel: (250) 960-5865 Fax: (250) 960-5587
Email: wheate@unbc.ca

Judging:

Applications will be judged by the CCA Awards Committee, and the name of the winner will be announced at the Annual Conference in Toronto. The Committee reserves the right to withhold an award if the applications are not of sufficient standard. The winner must accept the award in writing within two weeks of notification by the Chair of the Awards Committee. ☉

The 4th CAA and 1st ICA Orienteering Event

Ottawa, August 17, 1999

This year's event was held at Rockcliffe Park, an exclusive residential area of Ottawa with many embassies, and with some small areas of natural forest to add interest for the pros. And pros we got - over seventy participants from fifteen countries! Some jogged the 3 km from the Conference as a warm-up, and a large majority continued on to the New Edinburgh Pub for fluid replenishment and the awards ceremony. Luckily experienced Ottawa Orienteering Club members came out to help with the crowds, and the threatening thunderstorm held off. The sunset over the river was magnificent.

Intergraph supplied great prizes for the top three in several categories (thanks again, Phil). Eight different countries were represented in the top ten. Our own pres Roger Wheate (12th) would surely have been among them if he hadn't circled the field a few times before setting out. Second Canadian was Peter Keller (16th), who was awarded a pair of joke glasses to replace the ones he left



Organising Guru Diana Hocking awarding one of her magic wheels to Gary Grant.

dangling in a tree. Henry Jackson also received joke glasses, to help him see enough so that next time he'll punch his card rather than his finger. Jim Britton and pals were recognised for managing to achieve a negative score (but, hey, he pushed our country total up, now he's in Fiji). Top women are both Canadian students, Jen Turner and Erin Kuyvenhoven. Top American (adopted) was Mike Goodchild, the next morning's Keynote speaker. He was awarded a classic O skimmer for completing the 5 km course in sandals. Second American, Jeff (Mr Average) Hyatt deserves an award for volunteering to do the original data entry of the messy results. As does Barend Kobbén, Mr Announcer from the Netherlands, who managed to be heard over all the din in the pub as we did the awards.

We received high profile recognition, with a spread in the daily conference newsletter, complete with photographs. Several delegates stopped by at the posters to tell me they were sorry to have missed the event. The CCA has enhanced its reputation as more than just a stuffy work-oriented association. Who wants to get involved in Edmonton? ☺

Diana Hocking

Name	Gender	Maturity*	Nationality	Controls	Time	Adj Controls	Rank
Hans Aurell	M	Y	Sweden	15	27.14	15	1
Hans-Uli Feldman	M	Y	Switzerland	15	27.28	15	2
Dusan Petrovic	M	Y	Slovenia	15	28.28	15	3
Tony Kusbach	M	Y	Czech Rep	15	29.33	15	4
Reidar Fossum	M	Y	Norway	15	31.50	15	5
Georg Gartner	M	Y	Austria	15	33.50	15	6
Robert Delz	M	Y	Austria	15	34.09	15	7
Kristoffer Kristiansen	M	O	Norway	15	36.02	15	8
Finn Areldsen	M	Y	Denmark	15	36.06	15	9
Patrik Ottoson	M	Y	Sweden	15	37.11	15	10
Sten Ravhed	M	O	Sweden	15	37.45	15	11
Roger Wheate	M	Y	Canada	15	37.45	15	12
Karel Kriz	M	Y	Austria	15	38.46	15	13
David Fairbairn	M	Y	UK	15	42.45	15	14
Joel Larsen	M	Y	Denmark	15	43.25	15	15
Peter Keller	M	Y	Canada	15	46.20	15	16
Weldon Hiebert	M	Y	Canada	15	47.49	15	17
Michel Fournier	M	Y	Canada	15	47.49	15	18
Lars Schylberg	M	Y	Sweden	15	50.08	15	19
Mike Goodchild	M	O	USA	15	50.37	15	20
Frank Blanchfield	M	Y	Australia	15	54.08	15	21
Allan Brown	M	Y	UK	15	55.47	15	22
Corné van Elzakker	M	Y	Netherlands	15	56.25	15	23
Barend Kobbén	M	Y	Netherlands	15	57.02	15	24
Menno-Jan Kraak	M	Y	Netherlands	15	57.21	15	25
Andrew Millward	M	Y	Canada	15	58.28	15	26
Jen Turner	F	Y	Canada	15	58.37	15	27
Erin Kuyvenhoven	F	Y	Canada	15	58.58	15	28
Jeff Hyatt	M	Y	USA	14	54.51	14	29
Rob Edsall	M	Y	USA	14	56.06	14	30
Amy Griffin	F	Y	USA	14	56.11	14	31
Connie Blok	F	Y	Netherlands	14	56.25	14	32
Doug Banting	M	O	Canada	13	44.14	13	33
Lars Ottoson	M	O	Sweden	13	52.12	13	34
Mark Denil	M	Y	Canada	13	55.28	13	35
David Douglas	M	O	Canada	13	60.00	13	36
Kent Prior	M	Y	Canada	12	48.49	12	37
Reid Maier	M	O	USA	12	52.12	12	38
Phillip Dodds	M	O	USA	12	52.12	12	39
Jon Thies	M	O	USA	12	52.12	12	40
Byron Moldofsky	M	Y	Canada	11	48.56	11	41
Gary Grant	M	O	Canada	10	46.24	10	42
Sebastien Caquard	M	Y	France	10	51.27	10	43
Damien Morrissey	M	Y	Canada	9	39.09	9	44
Jane Lawley	F	Y	Australia	15	62.44	9	45
Tammy DePass	F	Y	Canada	12	62.44	9	46
Lee Thomson	F	Y	USA	8	53.40	8	47
Al Hough	M	Y	USA	8	53.40	8	48
Helene Bray	F	Y	France	8	59.16	8	49
Leo Dillon	M	O	USA	8	59.16	8	50
Elizabeth Sweetnam	F	Y	Canada	5	46.16	5	51
W.Randolph Franklin	M	O	USA	9	64.22	4	52
Henry Jackson	M	O	USA	10	65.30	4	53
Brian Smith	M	O	USA	10	65.30	4	54
Terry Slocum	M	O	USA	11	69.22	1	55
Christine Earl	F	O	Canada	15	78.02	0	56
Steve Prashker	M	Y	Canada	15	78.02	0	57
James Britton	M	Y	Fiji	15	78.02	0	58

Not Timed

Anita Muller	F	Y	Canada	Wayfarer
Joe Piwowar & family		Y	Canada	Wayfarer
W. Grant Head	M	O	Canada	Wayfarer
David Mercer	M	Y	Canada	Wayfarer
Charlie Conway	M	Y	Canada	Wayfarer
Alun Hughes & family	M	Y	Canada	Wayfarer

*Y=Young,
O=Old



Group photo ... count those 70 participants



Canadian Orienteering legend Ted St. Croix coming in to the finish area. Mr. St. Croix has been in the fore front of map making for Orienteering in Canada and won first prize in the Recreation maps category, at the ICA conference map exhibit (public vote).



Peter Keller (left) receives his award for losing his glasses to a branch; with him is the star guest announcer, Barend Kobben (Netherlands).

While the men of Canada could finish no better than 12th, we had the top two lasses: Erin Kuyvehoven (left) and Jen Turner.



Photos by Roger Wheate

Feedback

CCA member, Ted Florence, of Avenza (producer of MAPublisher software) writes concerning the President's column in the last issue of *Cartouche* (34) relating to map production software:

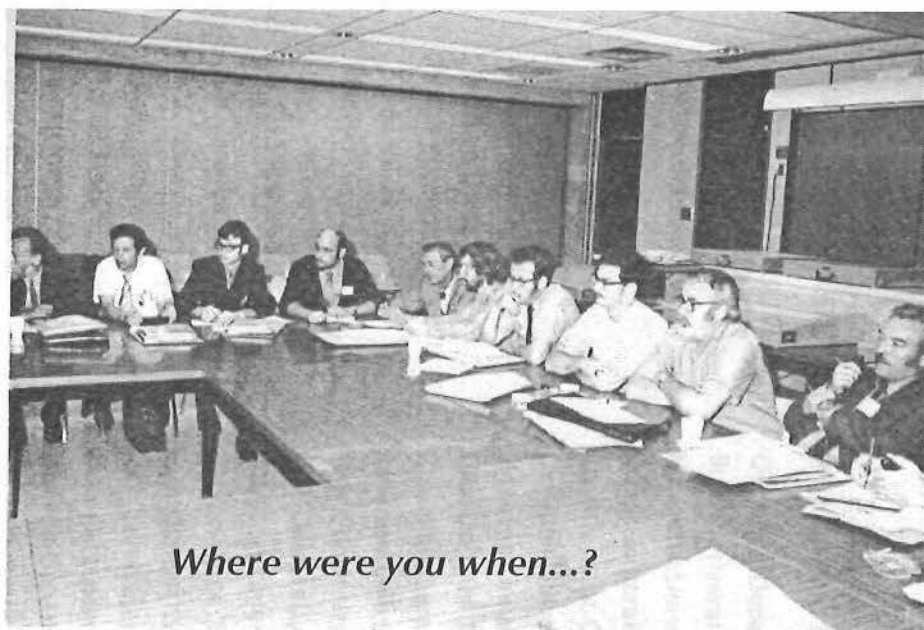
I would like to take a moment to point out a couple of things

Firstly, Corel did not decline working with Avenza. In fact they would love to have MAPublisher work with Corel Draw as we continually see people switching from Corel to Illustrator or FreeHand simply because of map-making with MAPublisher. The problem is that Corel Draw does not lend itself well to third-party plugin development as do Illustrator and Freehand. As such we told them that we would work with them to figure out a way to integrate the two products but that we could not solely commit our resources to developing for them and that it would have to be a joint venture that they would have to contribute resources to. Nothing has happened yet and everyday we see more and more users, even very large ones, make the move away from Corel Draw (most recently: Sir Sandford Fleming College - 60 licenses and AUSLIG in Australia 70 licenses).

Secondly, MapInfo has now abandoned the Macintosh and has no intention of supporting it going forward. They did have Macintosh versions in the past but no more. On the other hand, Avenza continues to develop and release products for both platforms having recently released two new versions of MAPublisher for both Macintosh and Windows users. In addition we have ported our pdfPLUS technology to the Mac as well enabling Mac users to view map databases in Acrobat as Windows users have done in the past. ☉

Ted Florence
ted@avenza.com

Wanted: Old Photographs



To all CCA/ACC members: Your assistance is needed.

Some plans are underway to mark the 25th year of the CCA/ACC at the 2000 meeting of the association planned for Edmonton, Alberta. To help mark this occasion, I would like to assemble a set of photos taken at each of the Annual General Meetings (AGM) since 1975. The idea here is to have a display of two or three photos from each of the AGMs that would be used in a contest in which participants would have to identify by name those members in each of the photos. While I haven't aged during the last 25 years, I know some of you have!! :-). A prize will be awarded to the registrant who correctly identifies the highest number of people.

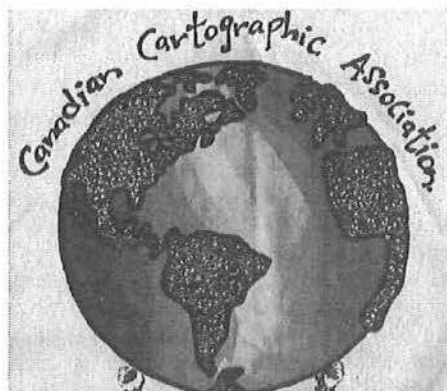
A second display is being planned to highlight all the people who have served as the CCA/ACC President since its inception in 1975. Would you kindly search through your photo collection and pull any photos you have of people who have been CCA/ACC Presidents.

I will ensure that all photos will be returned to you, providing that you include your return address with any photos you send to me.

Photos will be received until **November 30, 1999** and may be sent to me at the following address:

Clifford H. Wood,
Department of Geography,
Memorial University of Newfoundland,
St. John's, NF
A1B 3X9 CANADA

CCA T-SHIRTS



Reduced grey scale image of the colour Original

GET THEM WHILE THEY'RE HOT!

The CCA will be producing a second run of its t-shirts that were sold at this summer's August ICA conference in Ottawa.

COST: \$25 if picked up at the Edmonton CCA meeting; \$30 if mailed.

DEADLINE: Orders must be received by Andrew before January 15, 2000.

TO ORDER: contact
Andrew Millward
Department of Geography
University of Waterloo
Waterloo, Ontario N2L 3G1
aamillwa@fes.uwaterloo.ca

Cheques ONLY made payable to the CCA. All profits from the shirt sales will go to support the Norman Nicholson Memorial Scholarship.

SIZES: M,L,XL. Constructed of unbleached 100% cotton.

Technology

IKONOS becomes first commercial high resolution imaging satellite

After two previous unsuccessful launches of commercial satellites, Space Imaging launched IKONOS 1 on September 24, 1999. 1 metre data should become available some time in the year 2000; this skips over the 5 and 3 metre data that would have been generated from the failed Early-Bird satellite and will provide a 'new Millennium' alternative for map updating and production to the 20th century standard of aerial photography. Of course cynics will not be persuaded until data is actually available. How this will affect NASA's refusal to launch Canada's RADARSAT 2 satellite, whose 5 metre resolution presented a threat to 'national security' is not known.

More information including video of the launch at: <http://www.spaceimaging.com> 

Nifty Earth Screen Saver

Although this screen saver has been around for sometime I keep getting requests for the URL when people (especially geographers) see it.

The description at:
<http://www.fourmilab.ch/earthscr/> says:
"The Earth screen saver displays an image of the Earth as currently illuminated by the Sun, from a variety of viewpoints. You can view the Earth from the Sun (day side), the night side, from the Moon, or from an arbitrary altitude above any point on the globe specified by latitude and longitude. Day and night regions of the globe are shown based on the current date and time. The image of the Earth shifts location on the screen every 10 minutes to avoid burning in the phosphor in one location. The Earth Screen Saver is available exclusively for 32-bit Windows systems such as Windows 95 and Windows NT. The Earth Screen Saver is in the public domain. You can do anything you like with it." 

POSITIONS Available

Spatial Information Systems, Laboratory Coordinator

Department of Renewable Resources
Faculty of Agriculture,
Forestry and Home Economics
University of Alberta,
Edmonton, AB

The Laboratory serves as a focus for GIS and remote sensing related activities for the Department, the Faculty of Agriculture, Forestry, and Home Economics, and the broader University community.

Salary range: \$42,504 to \$59,526.

Deadline: Applications received by 30 November 1999 will be reviewed at the first meeting of the selection committee.

See www.rr.ualberta.ca for more information.

Two Assistant Professor positions in GIS / Cartography

Department of Geography,
The University of Lethbridge,
4401 University Drive,
Lethbridge, Alberta, T1K 3M4.

Deadline: Dec 31, 1999 (positions start July 2000)

See www.uleth.ca/geo for more information.

CCA Awards of Distinction 1999 Prix de Distinction 1999 de l'ACC

Award of Distinction for Exceptional Contributions to the CCA: DAVID DOUGLAS

It is with great pleasure that we present the 1999 Award of Distinction for Exceptional Contributions to the CCA to Professor David Douglas, of the University of Ottawa. Professor Douglas has had a distinguished career as a cartographer and scholar, as a pioneer in the fields of Computer Cartography and Geographic Information Systems, as an ardent supporter of the Canadian Cartographic Association since its inception, and as one of Canada's best known cartographers.

David was raised and schooled in Ottawa and graduated from the Royal Military College in nearby Kingston with a B.A. in 1963. He also spent eight years in the Royal Canadian Air Force, returning to University in 1967 to take a Masters degree at Carleton University in the then new field of Computer Cartography. He was subsequently offered a position at the University of Ottawa where he has remained ever since apart from two years at Simon Fraser University in the emerging discipline of GIS. It was during this time that with Tom Poiker he developed their famous line generalisation algorithm which remains the standard against which all others are judged, and the subject almost 25 years later of a steady stream of published literature (see for example: "Topologically consistent line simplification with the Douglas-Peucker algorithm, *Cartography and Geographic Information Sciences*, 26, 1, 1999, p7-19). It was invariably cited in sessions concerning Generalisation at the recent ICA conference in Ottawa.

He has thus been involved in all of computer cartography, GIS and the CCA, since their very early days; he has served the CCA on the executive as Vice-President, President and Past-President, Automation Interest Group Chair, Newsletter editor, *Cartographica* editorial board member and book review editor. He holds the distinction of being the only president to return to the executive as Interest Group Chair (for Map use) after completing his presidency. During these years and beyond he has freely imparted his expertise to the CCA membership and cartographic community and made available his own created software.

His dedication to the discipline and Association is further demonstrated in the numerous conferences and meetings he has helped organise and conference proceedings edited. His 1981 volume with Ray Boyle, another pioneer in automated computer: "Computer Assisted Cartography and Geographic Information Processing" remains a classic describing the status of the discipline at the time and hopes for the future. In the 1990s he has twice organised CCA annual meetings and also conferences of the Spatially Oriented Referencing Systems Association (SORSA). He has been a frequent contributor to *Cartographica* and other journals in Cartography and GIS on the theory and application of data structures and models.

Despite all this, David did not fulfill his real ambition which was to be a fighter pilot. He was a self-taught pilot at the age of 16 and subsequently flew several types of airplanes. Eventually Aeronautics' loss was Cartography's gain as he transferred his associated terrain and flight simulation interests towards digital elevation modelling applications, through his own software and numerous publications. We are honoured to present the final cartographic award of distinction of this millennium to David Douglas. ☉

Prix pour une contribution exceptionnelle à l'ACC: DAVID DOUGLAS

C'est avec un grand plaisir que nous attribuons, cette année, le Prix de distinction pour une contribution exceptionnelle à l'ACC, au Professeur David Douglas de l'Université d'Ottawa. Le Professeur Douglas a eu une carrière particulière tant en cartographie qu'en enseignement. Il est l'un des pionniers en matière de cartographie numérique et en système d'information géographique. Il est un ardent supporteur de l'ACC depuis sa création et, il est également l'un des cartographes les plus connus du Canada.

David a vécu à Ottawa, il obtient son baccalauréat au Collège militaire Royal de Kingston en 1963. Il donnera 8 années de son temps au Force aérienne Royale du Canada. Puis, en 1967 à l'Université Carlton, il débute une maîtrise dans un tout nouveau champs, soit la cartographie assistée par ordinateur. Sitôt terminée, il obtient un poste à l'Université d'Ottawa où il exerce depuis, à l'exception de deux années passées à l'Université Simon Fraser, dans la toute nouvelle discipline des SIG. C'est à ce moment qu'il développera avec Tom Poiker le fameux algorithme de généralisation des lignes qui demeure une norme sur laquelle d'autres algorithme sont jugés et qui de plus, est le sujet 25 ans plus tard d'un flot continu de publication (voir : "Topologically consistent line simplification with the Douglas-Peucker algorithm, *Cartography and Geographic Information Sciences*, 26 janvier 1999, pages 7 à 19). Il a été récemment cité lors des dernières conférences de l'ACI à Ottawa, durant la session concernant la Généralisation.

Il a donc été impliqué aux débuts de la cartographie numérique, des SIG et de l'ACC; il a été vice-Président, Président et Président sortant, Président du groupe d'intérêt sur l'automatisation, éditeur du bulletin de l'association, membre du comité éditorial de *Cartographica* et éditeur des révisions de livre. Il est le seul Président, de l'association, à revenir dans l'exécutif en tant que Président d'un groupe d'intérêt (Utilisation des cartes) après avoir complété son mandat. Durant et au-delà de cette période, il a transmis gracieusement son expertise aux membres de l'Association et à la communauté cartographique en plus de rendre disponible les logiciels qu'il a créés.

Son dévouement pour la cartographie et l'association s'est par ailleurs démontré dans l'organisation de nombreuses conférences et réunions ainsi que dans l'édition des actes de ces conférences. Son livre "Computer Assisted Cartography and Geographic Information Processing" co-rédigé avec Ray Boyle, un autre pionnier en cartographie numérique, demeure un classique décrivant le prestige de la cartographie et de l'espoir suscité pour le domaine dans le futur. Dans les années 90, il a organisé deux fois les rencontres annuelles de l'ACC ainsi que les conférences de l'Association de Système de référence spatialement orienté (ASRSO/SORSA). Il a fréquemment contribué à *Cartographica* et dans d'autres journaux en cartographie et en SIG, sur la théorie et l'application de structuration de données et la modélisation.

Malgré cela, David n'a pas satisfait sa principale ambition, à savoir devenir un pilote de chasseur. Dès l'âge de 16 ans, il a appris à piloter en autodidacte et à voler sur différents types d'appareils. Ce qui fut une perte pour l'aviation s'est transformé en gain pour la cartographie puisqu'il a transféré ses intérêts pour le terrain et les simulations de vol vers des applications modélisées d'élévation, à partir de ses propres logiciels et de ses nombreuses publications. Nous sommes honorés de présenter ce dernier Prix de distinction cartographique du millénaire à David Douglas. ☉



Roger Wheate (right) presents Award of Distinction to David Douglas.
Roger Wheate (à droite) remet un Prix de Distinction à David Douglas.

Award for Exceptional Scholarly Contributions:
MICHAEL F. GOODCHILD

I can think of no other person who has shaped the academic landscape of Geographic Information Systems more than Michael F. Goodchild. Although many may know him exclusively through his role as Director of the NCGIA, and as leader of projects such as Project Alexandria and the Varenus Project, his roots and, therefore, I would say, his strengths, lie deeply in Canadian soils.

After receiving his BA in Physics at Cambridge in 1965, he left his homeland to explore the wilds of Canada, where he ended up on the shores of Lake Ontario at Hamilton, Ontario. A short four years later he graduated from McMaster with a PhD in Geography. Although his PhD research was on caves, computers and cartography were obviously subjects that weighed heavily on his mind - his second publication was printed in *The Cartographer* in 1967 on the subject of "A computerized approach to increased map library utility." Since then he has published over 300 articles or edited books on cartography and GIS.

He accepted a position in the Geography Department at University of Western Ontario in 1969, and stayed here until 1988. During those years he was one of a handful of researchers around the world who established the foundations of computer cartography and GIS. Canada's international reputation as a leader in the field of GIS is due in no small part to the work that Michael Goodchild accomplished during those years he spent at Western. One hundred and six publications, twenty eight graduate students, and three daughters, are some of the more tangible contributions from those years he spent in Canada.

While Mike no longer counts Canada as his home, a number of Departments of Geography still carry on his legacy, as graduate students of his teach across Canada from coast to coast. Four of those graduates are well known members of the cartographic / GIS community in Canada - Peter Keller, Bob Maher, Nigel Waters, and Brian Klinkenberg. Mike was never one to keep his riches to himself, as several graduate students would always be tagging along whenever he went to a conference and, if you scan through his list of publications, you'll find that many of his graduate students have continued to publish papers with him, even after they have graduated and started careers on their own.

In his career he has presented over 50 short courses, and organized 18 conferences and symposia. Through those events thousands of geographers and cartographers around the world have had their awareness of the science of GIS and cartography raised considerably. These events alone would place Mike at the top of any list of individuals worthy of recognition.

Since leaving Western in 1988, Mike's star has shone even brighter, and in the last eleven years he has published or edited a further 200 publications, and received over 45 million dollars in research funding. The greatly increased role that Geography has been given in the past decade in such US national funding agencies as the National Science Foundation (NSF) is due, once again, in no small part to the efforts that Mike Goodchild has made on behalf of all Geographers. Michael has continued pushing the frontiers of the field, defining the heart of the subject. Every thread of GIS is one on which we'll find his fingerprints, from GIS education to spatial analysis to ethics and responsibility.

Therefore, it is fitting on the 30th anniversary of Michael accepting his first academic posting in Canada that he receives this award - the CCA's Award for exceptional scholarly contributions to cartography. ☼

Prix pour une contribution exceptionnelle d'érudition sur la cartographie:
MICHAEL F. GOODCHILD

Michael F. Goodchild est celui qui a le plus contribué à modeler le paysage académique des Systèmes d'informations géographiques (SIG). Quoique plusieurs d'entre vous ne le connaissent que pour son rôle de directeur au NCGIA et comme un chef de file de projets tels que : les projets Alexandria et Varenus, ses racines et par conséquent, on pourrait dire ses attaches sont profondément ancrées dans le sol canadien.

Suite à son baccalauréat en Physique, à Cambridge en 1965, il quitte son foyer pour aller explorer la nature sauvage du Canada, où il terminera son voyage à Hamilton, sur les rives du lac Ontario. À peine quatre petites années plus tard, il terminera son Doctorat en géographie à McMaster. Bien que le sujet de ses recherches de doctorat portait sur les cavernes, l'informatisation et la cartographie étaient des sujets qui prenaient une place prépondérante dans son esprit, d'ailleurs sa second publication: "A computerized approach to increased map library utility" à été publié dans l'édition de 1967 de *The Cartographer*. Depuis, il a publié plus de 300 articles ou livres sur la cartographie et les SIG.

En 1969, il a accepté un poste au département de géographie de l'Université Western de l'Ontario, qu'il a occupé jusqu'en 1988. Durant cette période, il est devenu l'un des rares chercheurs, à travers le monde, à établir les bases de la cartographie numérique et des SIG. La réputation internationale du Canada en tant que chef de file en matière de SIG est due en grande partie, au travail accompli durant ces années par Michael Goodchild. Il a contribué durant ces années à la publication de 106 ouvrages, à la graduation de 28 étudiants et de trois filles.

À partir du moment où Mike décida de prendre racine au Canada, il a laissé en héritage, à travers le pays, son enseignement

à de nombreux étudiants gradués. Quatre d'entre eux sont bien connus dans la communauté cartographique et géomatique canadienne, il s'agit de Peter Keller, Bob Maher, Nigel Waters et Brian Klinkenberg. Mike est le genre d'homme qui ne peut garder pour lui seul la richesse de ses connaissances. D'ailleurs, de nombreux étudiants le suivent fidèlement lorsqu'il présente une conférence et de plus, lorsque l'on consulte la liste de ses publications, on peut noter que de nombreux étudiants continuent de co-publier des conférences avec lui, même s'ils sont gradués et qu'ils sont actifs sur le marché du travail.

Durant sa carrière, il a présenté plus de 50 petits cours et organisé 18 conférences et symposium. À travers ces événements, des milliers de géographes et de cartographes, à travers le monde, ont vu leur conscience dans les sciences cartographiques et les SIG, augmenter considérablement. À eux seuls, ces événements placent Mike en tête de liste des hommes de valeurs, digne de reconnaissance.

Depuis qu'il a quitté l'Université Western de l'Ontario en 1988, l'étoile de Mike brille plus que jamais. Dans les onze dernières années, il a publié ou édité plus de 200 ouvrages et il a reçu plus de 45 millions de dollars en fond de recherche. Le rôle grandissant de la géographie dans la dernière décennie auprès des agences nationale américaine telle que la "National Science Foundation" (NSF) est grandement dû aux efforts que Mike Goodchild a déployés en leur nom. Michael a continué de reculer les frontières du domaine en définissant le cœur du sujet. Dans toutes les constituantes des SIG nous pouvons trouver son empreinte, de l'enseignement des SIG à l'analyse spatiale en passant par l'éthique et les responsabilités.

La remise de ce Prix de Distinction, pour une contribution exceptionnelle en cartographie, coïncide donc avec le 30^{ème} anniversaire de l'acceptation par Michael de son premier emploi en milieu universitaire canadien. ☼



Brian Klinkenberg (right) presents Award of Distinction to Michael Goodchild. Brian Klinkenberg (à droite) remet un Prix de Distinction à Michael Goodchild.

Award of Distinction for Exceptional Contributions to the Profession of Cartography:

**CENTRE FOR GEOGRAPHIC SCIENCES
SIR SANDFORD FLEMING COLLEGE**

The CCA Award of Distinction for exceptional contributions to the profession of cartography goes to two institutions who have played major roles in the landscape of cartography in Canada. Graduates from these two institutions are employed at all levels of government, in corporations big and small, all around the world. I can think of no better ambassadors for cartography than the graduates from Sir Sandford Fleming College in Lindsay, Ontario, and COGS, the Centre for Geographic Sciences, in Lawrencetown, N.S.

One only needs to look at this year's entrants to the President's Prizes Competition to see how high the caliber of students graduating from these two institutions has become. The CCA can stand tall and proud beside the display of maps submitted by this year's complement of students.

The Cartography Program at SSF began in the early 70's. Since the beginning of the program the focus of the SSF program has been to provide their students with a basic appreciation for the spatial distribution of geographic phenomena and its positional accuracy, coupled with the need to communicate such information graphically. It is this unique balance of science and art that has been the mandate of the Cartography Program at SSF.

COGS, too, has been similarly focussed on both the art and science of cartography. It is a reflection of the balance both institutions provide to their students that the quality of the work produced by them stands up both technically and artistically. The numbers of awards students from both of these institutions have won over the years, both in Canada and the United States, attests to the skills and talents of the students, and to the dedication of those teaching the students.

COGS had its origins over fifty years ago. The Nova Scotia Land Survey Institute had its beginnings after World War II when Major J.A.H. Church was hired by the Canadian Army to train topographical surveyors for the Royal Canadian Artillery. Since then thousands of students have graduated from NSLSI, which became known as the College of Geographic Sciences in the late 80's, and is now known as the Centre of Geographic Sciences.

These name changes reflect the evolution – some might say revolution – of land surveying and map making over the years – from fields that were highly technical and manually-intensive, narrowly integrated into the economy, into fields that are still highly technical, but now are computer-intensive and widely integrated into our economy in ways that pioneering individuals such as Major Church could never have imagined. Geographic Information Systems, web-based maps, business geographics, orthophotos – these are but a few of the areas students at COGS, and at SSF, are now receiving instruction in.

It is not surprising that prior to the revolution that the vast majority of students entering into the Cartography programs offered at both institutions had obtained only a high school diploma, while now the majority have a basic university degree. Students realize that to produce proper map you need to be grounded in a subject matter, in addition to receiving professional instruction in the methods of cartography.

Both institutions have fostered the building of breadth and depth in their students, and in doing so they have ensured that Canadian cartography continues in a tradition of excellence. So, I would now like to present the CCA Awards of Distinction for Exceptional Contributions to the Profession of Cartography to the College of Geographic Sciences and to the Cartography Program at SSF. ☼

Prix de distinction de l'ACC pour une contribution exceptionnelle à la profession de la cartographie:

**COLLÈGE DES SCIENCES GÉOGRAPHIQUES
COLLÈGE SIR SANDFORD FLEMING**

Le Prix de distinction de l'ACC pour une contribution exceptionnelle à la profession de la cartographie est attribué à deux institutions qui ont joué un rôle majeur dans le paysage canadien de la cartographie. Les étudiants diplômés de ces institutions travaillent à tous les niveaux de ministères provinciaux et fédéraux, dans des moyennes et des grandes entreprises à travers le monde. Les étudiants diplômés, du Collège Sir Sandford Fleming, de Lindsay en Ontario et du Centre des Sciences Géographiques, à Lawrencetown en Nouvelle-Écosse, sont à n'en point douter de grands ambassadeurs de la cartographie.

Il s'agit de jeter notamment un oeil sur la qualité des contributions des étudiants, de ces deux institutions, au concours du Prix du Président de cette année, pour se rendre compte du haut niveau de leur formation. L'ACC a de quoi être fier de son exposition des cartes soumises par les étudiants pour le concours annuel.

Depuis les débuts du programme de cartographie de SSF, dans les années 70, l'institution a axé son programme de façon à offrir aux étudiants une base solide sur la distribution spatiale et la localisation précise de phénomènes géographiques, à laquelle s'associe le besoin de communiquer l'information géographique. C'est cet équilibre entre les sciences et l'art qui a conduit le programme de SSF.

COGS a également ce genre de préoccupation sur l'art et les sciences cartographiques. La qualité des travaux des étudiants reflète cet équilibre entre les aspects techniques et artistiques qu'offrent ces deux institutions à leurs étudiants. Le nombre d'étudiants récompensés dans ces deux institutions, tant aux États-Unis qu'au Canada, n'a cessé d'augmenter année après année. Cela atteste bien des aptitudes et du talent des étudiants et de leurs enseignants.

COGS existe depuis plus de 50 ans. Il doit ses origines à l'Institut d'arpentage de la Nouvelle Écosse (IANE) où durant la seconde guerre mondiale, le Major J.A.H. Church de l'armée canadienne, y a entraîné des divisions de l'Artillerie Royale Canadienne. Depuis, des milliers d'étudiants ont gradué de l'Institut, qui deviendra dans les années 80, le Collège des

sciences géographiques (CSG), mieux connu aujourd'hui sous le nom du Centre des sciences géographiques (CSG).

Les changements de noms reflètent bien l'évolution ou comme diraient certains, de la révolution, de l'arpentage et de la cartographie, au fil des ans. L'intégration à l'Économie du travail technique et hautement manuel de terrains, dans des champs de technologie de pointe, maintenant informatisé, était inimaginable à l'époque des pionniers tel que le Major Church. Les systèmes d'informations géographiques (SIG), les cartes sur internet, la géographie des affaires, les orthophotographies sont là quelques uns des champs dans lesquels les étudiants de CSG et SSF reçoivent une formation.

Cela n'est pas étonnant qu'avant la révolution, la majorité des étudiants du programme de cartographie, des deux institutions, n'obtenaient qu'un diplôme d'enseignement supérieur alors qu'aujourd'hui, cela correspond à un diplôme universitaire de 1er cycle. Les étudiants réalisent que pour produire une bonne carte, il faut se coller sur la matière du sujet, en accord avec l'enseignement des méthodes cartographiques.

Chaque institution a transmis une philosophie et une profondeur à leurs étudiants qui assurent une tradition d'excellence de la cartographie canadienne. C'est avec plaisir que nous présentons le Prix de Distinction de l'ACC pour une contribution exceptionnelle à la profession, aux programmes de cartographie du Collège des Sciences géographiques et du Collège Sir Sandford Fleming.



Ada Chung accepting the Award on behalf of COGS and Stephen Pelletier accepting the award for SSF. Ada Chung remet un Prix pour CSG et Stephen Pelletier remet un Prix pour SSF.



Call for Nominations for CCA Award of Distinction, 2000 *Appell aux candidatures pour les Prix de distinction 2000 de l'ACC*

The CCA Awards of Distinction recognise persons who have made major contributions to Cartography in one of three categories / *Ces prix sont remis à des personnes qui ont apporté une contribution à la Cartographie pour les catégories suivantes:*

1. Exceptional professional contributions to the practice of Cartography /
Une contribution professionnelle exceptionnelle dans la pratique de la cartographie
2. Exceptional scholarly contributions to Cartography /
Une contribution exceptionnelle d'érudition sur la cartographie
3. Exceptional contributions to the CCA /
Une contribution exceptionnelle à l'ACC

Please forward suggestions or nominations for these awards for 2000 to /
N'hésitez pas à faire des suggestions au Comité des candidatures pour 2000 à:

Roger Wheate, CCA Past-President/Président-sortant:
University of Northern BC, Geography
Prince George, BC V2N 4Z9
Phone/Tél: 250-960-5865;
Fax: 250-960-5538;
E-mail: wheate@unbc.ca

October 20-23 octobre 1999
NACIS 19th annual meeting
Williamsburg, VA
Information: <http://www.nacis.org>

November 9-11 novembre 1999
GIS/LIS
Los Angeles, California USA
For information / *pour renseignements:*
ACSM, 5410 Grosvenor Lane, Suite
100, Bethesda, Maryland USA
20814-2122

March 9-10 mars 2000
Géomatique 2000: Le millénaire de l'excellence / Geomatics 2000: Excellence in the New Millennium
Palais des congrès de Montréal
Montréal, Québec

March 18 - 23 mars 2000
ACSM 2000
Little Rock, AR, USA
For information / *pour renseignements:*
ACSM, 5410 Grosvenor Lane, Suite
100, Bethesda, Maryland USA
20814-2122

May 9-10 mai 2000
Northern B.C. GIS and Mapping annual conference (in conjunction with Forest Expo)
University of Northern British Columbia, Prince George, BC
Contact: Roger Wheate,
email: wheate@unbc.ca
Tel: 250-960-5865

May 31 mai to June 3 juin 2000
CCA annual meeting (Joint with ACMLA and WAML)
University of Alberta, Edmonton
Contact: Roger Wheate,
email: wheate@unbc.ca
Tel: 250-960-5865

Cartography Holding its Own

It has been said that Cartography is the second oldest profession. I'll let you guess what is the oldest. But which is the most popular? There has been much talk about the demise of Cartography but that may not be the case. Data cited by David Rhind (City University, London) in a presentation at the recent ICA conference in Ottawa may indicate that mapping and sex are still both popular pastimes [*editor's comment*]:

Search Engine:	Hits by Topic:			
	cadastre	GIS	maps, mapping	sex
Excite	2,900	74,696	598,692	890,458
Infoseek	4,175	306,958	20,682,491	12,602,720
Hotbot	4,040	140,120	1,812,880	2,350,100

Thanks to Alberta Wood for this information, from an article to be published in the *ACMLA Bulletin*.

Images from Ottawa, 1999



Three new presidents:

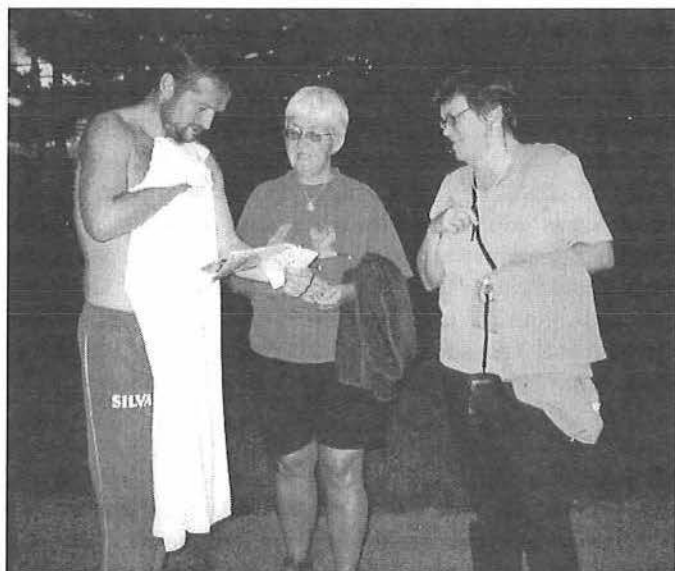
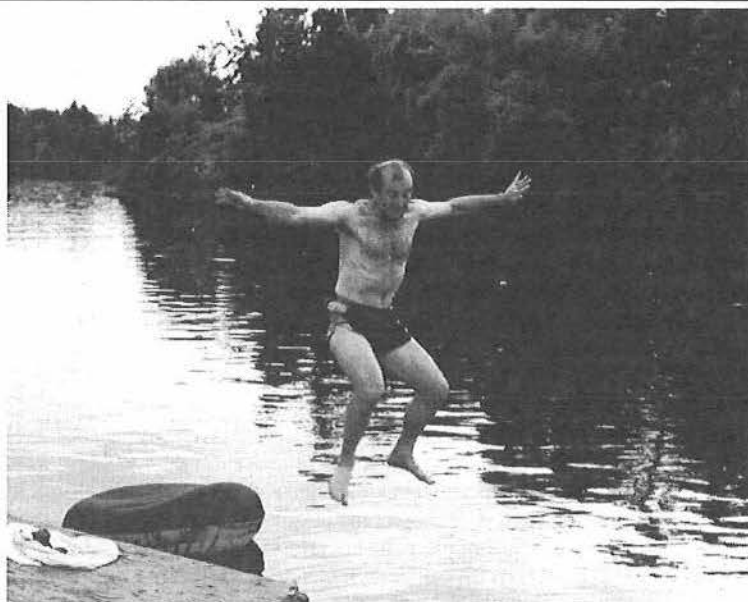
Left: Michel Fournier, CCA
Centre: Bengt Rystedt, ICA
Right: James Boxall, ACMLA (2nd term)
(photo: R. Wheate)

ICA Business: Peter Keller and Alberta Auringer Wood represent Canada as the Official and Alternate Delegates at the General Assembly.



A well attended Business Meeting ensured a happy but hungry executive. *(Photo: A. Wood)*

Roger Wheate received high scores from the judges for this difficult dive at the recent CCA swim meet. (Photo: W. Heibert)



Reidar Fossum of Norway, starts selling off his clothing to admiring fans. (Photo: R. Wheate)

Ada Cheung, Princes Warrior and Steve Prashker (Hercules) rule over the CCA Barbeque. (Photo: W. Heibert)



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les participants car, ils y avaient au programme près de 250 conférences distribuées en 16 sessions, des séances plénières, des sessions d'affichage, l'exposition cartographique internationale et de l'ACC, des ateliers, des visites techniques dans plusieurs services gouvernementaux, une vaste exposition commerciale, les réunions des commissions et groupes de travail de l'ACI, les réunions des diverses Associations participantes, quelques excursions et bien sûr notre fameuse course d'orientation. Comme vous pouvez le constater, les participants ont eu peu de temps libre durant les sept jours de l'événement.

Avec un tel programme, on comprend qu'il y a eu une véritable armée de bénévoles qui ont œuvré à la préparation et lors de l'événement. Parmi ceux-ci, il y a nombre d'étudiant qui ont bien répondu à l'appel, l'ensemble des membres de l'exécutif qui ont présidé plusieurs sessions et qui ont activement participé au processus de sélection des conférenciers, Erin Kuyvenhoven pour sa contribution à l'organisation du concours de cartes d'enfants Barbara Petchenik et Peter Keller qui présidait le Comité national canadien de cartographie et qui représentait l'ACSG en tant que conseiller technique pour la cartographie. À toutes ces personnes, je leur lève mon chapeau. Je les remercie tous chaleureusement pour leur appui inconditionnel à un événement de marque et unique que nous avons eu la chance d'accueillir sur notre sol.

PRIX DU PRÉSIDENT

Cette année, nous avons encore reçu un grand nombre de contribution de la part des étudiants. Cela est fort réjouissant de voir la participation grandissante de ceux-ci aux Prix du Président. Cette tendance ira sûrement à la hausse, dans les prochaines années, puisque nous encouragerons plus directement l'ensemble des institutions offrant des cours de cartographie et de géomatique dans les mois à venir. Je remercie tous les étudiants qui ont participé à l'édition 1999 et plus particulièrement ceux qui ont gagné dans les 6 catégories. Vous pourrez trouver les noms de ceux-ci dans les pages suivantes du bulletin. Au delà de la participation on note également une plus grande qualité pour l'ensemble des documents soumis, ce qui augure bien pour l'avenir. Toutefois, nous avons noté cette année une diminution marquée de la participation dans la catégorie journalistique. La tendance n'est guère encourageante pour cette catégorie, il se pourrait fort qu'elle subisse quelques modifications pour l'édition 2000. C'est donc à suivre dans le bulletin Cartouche.

NOUVEL EXÉCUTIF

Comme c'est le cas à chaque année, plusieurs nous quittent à la fin de leur mandat. L'Association vous doit beaucoup et nous vous en sommes gré, nous avons eu maintes occasions de le constater via vos implications. Il s'agit de Brian Klinkenberg, Byron Moldofsky, Ute Dymon, Joseph Piwowar et Michael Coulson. En mon nom et au nom de l'exécutif, nous vous remercions pour le travail astronomique que vous avez accompli durant vos mandats. Vos contributions sont un gage de la qualité des services offerts par l'Association, de son dynamisme et de sa pérennité.

Succèdent les nouveaux arrivants à qui nous souhaitons la plus cordiale bienvenue. Au Conseil exécutif : Patricia Chalk occupera la vice-Présidence. En ce qui a trait aux présidences des groupes d'intérêt, les nouveaux venus sont : Phil Dodds (Cartographie analytique et SIG), David Broscoe (Cartographie en éducation) et Ken Francis (Technologie de production cartographique). À ces personnes s'ajoutent Carolyn Weiss qui nous représentera au Comité national canadien, Peter Keller qui Présidera à nouveau le Comité national canadien, Brian Klinkenberg nouvel éditeur de *Cartographica* et Gary McManus nouvel éditeur de *Cartouche*. Enfin, le dernier changement mais non le moindre, Roger Wheate devient le Président sortant. Cette nouvelle équipe aura, à l'approche de l'an 2000, plusieurs défis à relever dont vous verrez notamment les premiers résultats dans la revue *Cartouche* et sur notre site Internet. ☉

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session. As you can easily imagine we did not have much free time during the seven day's.

Such a program, requires a huge volunteer army to prepare for and to work for during the event. They were notably: students, members of the CCA's board who chaired some sessions or were part of the paper selection process, Erin Kuyvanhoven who contributed to the Barbara Petchenik Children's Maps Award Competition and Peter Keller who was chair of the Canadian National Committee for Cartography and the CIG Technical Councillor for Cartography. I would like to express to all of those who worked so hard my sincere appreciation for their cherished contribution during a unique event in our country.

PRESIDENT PRIZE

This year, we again received numerous student maps for the competition. It was delightful for me, to see the growing participation. This trend will grow, since we intend to encourage more directly all institutions where there are cartographic, geographic or geomatics courses taught. I'd like to thank all of those who contributed to 1999 competition and particularly to those who were winners. (You'll find their names on page ??? of this issue.) In addition to the participation I was impressed with the quality of the maps exhibited, it's a good feeling for the future. The one down side was the poor participation in the journalistic category. This trend is discouraging for that category in the future, but we will try to remedy this situation for the year 2000. We intend to discuss this further in the next issue of *Cartouche*.

NEW CCA EXECUTIVE

As every year, some ended their mandate and retired from the executive. The Association is proud of their accomplishments. This years retirees were Brian Klinkenberg, Byron Moldofsky, Ute Dymon, Joseph Piwowar and Michael Coulson. On behalf of the executive, I would like to thank you for your cherished, wonderful and valuable labour done during your mandate. Your contributions are the best guarantee of the quality service offered by the Association.

I extend a cordial welcome to the new members on the board: Patricia Chalk as Vice-President; new Interest Group chairs are: Phil Dodds (Analytical Cartography and GIS), David Broscoe (Cartographic Education) and Ken Francis (Map Production Technology). Others appointees are Carolyn Weiss who'll represent the CCA on the Canadian National Committee (CNC), Peter Keller who will continue to chair the CNC, Brian Klinkenberg is our new *Cartographica* editor and Gary McManus our new *Cartouche* editor. Finally, at last but not the least Roger Wheate as past-President. This new team, at the dawn of the new millennium, will have many challenges to take up, you will see the first results in *Cartouche* and on our web site. ☉

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FIRST CALL FOR PAPERS & SESSIONS 2000

**CCA Annual Meeting
Edmonton, Alberta
May 31- June 3, 2000**

JOINT CONFERENCE

*Canadian Cartographic Association
Association of Canadian Map Libraries and Archives
Western Association of Map Librarians*

The 2000 CCA annual meeting will be a joint meeting between the CCA, ACMLA and WAML and will immediately follow the Learned Societies meeting at the University of Alberta (Edmonton).

Sessions will cover all aspects of Cartography and mapping technology. CCA sessions usually follow the interest group headings - Cartographic education, history of cartography, map use and design, analytical cartography and GIS, map production technology. Sessions may be more specific such as web-based cartography and visualization.

The conference will also have a retrospective theme, as this is the 25th anniversary of the CCA and to be hosted in the location city of our first president (Janus Klawe). A plenary session is planned that will look back on the last 25 years in the history of mapping and GIS activity. Long standing members and Past-Presidents are requested to consider presenting on the general theme of "*Developments in Cartography 1975-2000.*"

Paper titles and abstracts (200 words) should be sent by January 31, 2000 to:
Roger Wheate, wheate@unbc.ca

ACMLA conference organiser: David Jones, david.jones@ualberta.ca