

Cartouche



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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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ON THE COVER

The image on the cover comes from the NASA JPL web site. The following is an abbreviated version of the caption released with the image.

"This image shows two islands, Miquelon and Saint Pierre, located south of Newfoundland, Canada. These islands, along with five smaller islands, are a self-governing territory of France. A thin barrier beach divides Miquelon, with Grande Miquelon to the north and Petite Miquelon to the south. Saint Pierre Island is located to the lower right. With the islands location in the north Atlantic Ocean and their deep water ports, fishing is the major part of the economy. The maximum elevation of the island is 240 metres (787 feet). The land mass of the islands is about 242 square kilometres, or 1.5 times the size of Washington DC.

This shaded relief image was generated using topographic data from the Shuttle Radar Topography Mission. A computer-generated artificial light source illuminates the elevation data to produce a pattern of light and shadows.

This image was acquired by the Shuttle Radar Topography Mission (SRTM) aboard the Space Shuttle Endeavour, launched on February 11, 2000. SRTM uses the same radar instrument that comprised the Spaceborne Imaging Radar-C/X-Band Synthetic Aperture Radar (SIR-C/X-SAR) that flew twice on the Space Shuttle Endeavour in 1994. The mission is a cooperative project between the National Aeronautics and Space Administration (NASA), the National Imagery and Mapping Agency (NIMA) of the U.S. Department of Defense (DoD), and the German and Italian space agencies. It is managed by NASA's Jet Propulsion Laboratory, Pasadena, CA, for NASA's Earth Science Enterprise, Washington, DC."

To Find out more about the Shuttle Radar Topography Mission see Joe Piwowar's Column: "A View From Above" on page 7.



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Rieger Recieves Geomatica Award

Dr. Monika Rieger was awarded the **1999/2000 Intermap Award**. This award is presented by Intermap Technologies to stimulate authorship in *Geomatica* in all fields of the geomatic sciences. Papers are judged for originality, practical value, conciseness, clarity of expression and general interest. The amount of the award is \$300. Monika won the award for her feature "An Analysis of Map Users' Understanding of GIS Images" which was published in *Geomatica*, Volume 53, No. 2, 1999. Monika is the CCA's Membership Co-ordinator.



Patricia Chalk
University of Western Ontario

Mot du Président
President's Message

Maintain the Network

Creeping Charlie - The Strongest Weed in the Yard

Do you know this plant? For those of us tending lawns in southern Ontario, creeping charlie is the bane of our existence. Small, but mighty, these sturdy little plants do an impressive job of fulfilling their objective - the proliferation of their kind. Their secret? A hearty network of runners extending from host plant to satellite plant, to satellite plant, to satellite plant - you get the picture.

Initiating the Network and Host Plants in 1975

Twenty-five years ago, the founders of our Canadian Cartographic Association were gardeners in their own way and set it up with an infrastructure designed to keep those with cartographic interests connected in a mutually beneficial way. An important task at that time was to locate individuals involved in the field of cartography who would appreciate the particular niche that the Canadian Cartographic Association was carving out for itself. Interest Groups were analogous to host plants that linked members along a common runner or line. This tried and true system continues to be a successful feature of our association. We became the strongest weeds in the yard, with a distinctive Canadian presence.

Maintaining the Network in 2000

To ensure the association continues to flourish and maintain its national presence and identity, new members need to be invited to the yard. It's time for our cartographic group to proliferate! Please note that the intended connotation is "to grow new parts rapidly" and not "to have offspring". The field of cartography has blossomed in the last several years and is becoming an essential element of an ever-broader range of pursuits. More people working in these areas need to be made aware of the special niche that our association has to offer them.

Last year the CCA executive began a concerted effort to give our Association more exposure. The suite of promotional materials was expanded and our web pages took on a whole new look. Our President, Michel Fournier, was the catalyst in this process, cracking the whip to ensure that we made solid steps forward last year ... and we did. We now stand in an improved position to begin expanding the membership with the aid of more tools to explain the purpose of our association, and the benefits of joining.

Your Role as a CCA Ambassador

While the membership drive is primarily the responsibility

of the elected Vice President, we must all recognize our important role as individual ambassadors for the CCA. New memberships are most likely to come forth from individuals with whom we have come into contact. I am pleased to report that thanks to the work of the Association's ambassadors last year, the membership numbers began to increase. The names provided by our members in conjunction with the names obtained from business cards left at the CCA booth at the 1999 ICA, were the source of several memberships.

Ute Dymon will be assuming the VP work as I move into the position of President. To support the new Vice President's work in this area I ask you to consider inviting people you've met with cartographic pursuits, to join the Association.

If someone asks, our mandate is to:

- Promote interest in maps and related cartographic materials,
- Further the understanding and knowledge of maps by encouraging research in the field of cartography, both historical and current,
- Provide for the exchange of ideas and information and for the discussion of mutual concerns, through meetings and by publications, and
- Advance education in cartography and in the use of maps.

Most such individuals will likely be surprised that such an association exists and will be curious about its purpose and potential benefits to them. Many people involved in cartographic pursuits operate in isolation and stand to benefit immensely from belonging to a group with common interests.

Download a membership form off the web and put it in the hands of someone you respect - it's a compliment to be asked by a member to join. If uncertain whether someone is a member, dash off a note to the membership secretary, Monika Rieger. College and university students are excellent prospects and their membership costs are cheap, cheap, cheap (\$40.00 per year). The ongoing injection of this age cohort into our membership is essential to the association - they are the future of cartography. Corporate memberships include two regular memberships and free advertising in *Cartouche* - an investment that should have solid returns.

Go forth - bad weeds, and proliferate.



Michel Fournier
Cartologique, Montréal

Past-President's Message
mot du Président-sortant

Mot du Président-sortant

Des conférences sous un soleil nargueur

Les conférences d'Edmonton ont laissé d'impérissables souvenirs, c'est à n'en point douter. Eh bien, il faut le dire, lorsque l'on séjourne à Edmonton, on ne peut demeurer indifférent à la durée de l'ensoleillement. On m'aurait raconté que la durée d'ensoleillement au Nord du 50 ième parallèle dure plus de dix-sept heures en été, j'aurais sûrement mis en doute cette affirmation quoique, connaissant la durée extraordinaire du jour au-delà du 60 ième parallèle (près de 6 mois à Inuvik). On a l'impression que la population commence à travailler dès l'aurore, soit dès 5h30 et ce jusqu'à très tard en soirée (10h00). Lorsque l'on survole le territoire albertain on s'attend à voir de vastes plaines uniformes. En fait, il s'agit d'une sorte de court-pointe dont les lots cultivés alternent avec des marais et des plans d'eau de faible taille, le tout découpé par un savant treillis de route se coupant à angle droit et donnant l'impression de se rendre au-delà de l'infini tant la rectitude des routes et les distances à franchir entre les agglomérations, les localités sont grandes.

La tenue de conférences conjointes avec l'ACMLA s'est soldée par un franc succès, l'amalgame des conférences de nos associations respectives fut d'un grand attrait pour l'ensemble des participants. Il en fut certes de même avec les ateliers qui ont attiré de fortes assistances. L'événement valait le déplacement et l'on ne peut qu'une fois encore, espérer que nous aurons toujours de plus en plus de membres qui viendront y assister. Les conférences sont plus que jamais un événement incontournable pour les cartographes et la cartographie.

Il fallait être présent au banquet annuel pour y voir la vitalité de notre

association ainsi que de l'ACMLA. Lors de celui-ci, nous avons eu le loisir d'attribuer nos prix de distinction à messieurs Henry Castner, Raymond Boyle et Lillian Wonders pour leur contribution exceptionnelle à la cartographie et/ou au sein de l'ACC. Les étudiants ont eu leur part de succès avec l'attribution de la bourse Norman Nicholson à Joanna McIntyre du Collège d'anciennes géographes et l'attribution des Prix du Président à Andréanne Boisvert de l'Université d'Ottawa.

En mon nom et au nom des membres de l'Association, j'aimerais remercier nos hôtes d'Edmonton et plus particulièrement M. pour son excellent travail.

L'ACC en évolution

Cette année (1999) fut particulière à plus d'un égard, puisque nous avons entrepris de porter un sérieux coup de barre à l'organisation afin de stimuler l'adhésion à l'association. Vous pouvez déjà voir les premiers résultats de la cure de rajeunissement de l'Association, sur notre site Internet, même si le travail n'est pas encore complété. Le site sera totalement bilingue dans les prochaines semaines. Nous sommes également à préparer divers éléments, qui feront partie d'une vaste campagne de sensibilisation du milieu, au domaine de la cartographie et de notre association.

Il faut également souligner la nouvelle structure de l'exécutif qui compte maintenant 2 membres féminins : Patricia Chalk à la présidence et Ute Dymon à la vice-présidence, leurs expériences et talents seront d'un grand apport dans la poursuite des initiatives qui sont en cours et certes une source d'inspiration. Ce que nous avons entrepris ne portera probablement ses

fruits que dans une couple d'année mais soyez assuré que vous en serez les témoins privilégiés.

Prochaine conférence

Nos prochaines conférences se tiendront à Montréal, à la fin du mois de mai/début juin 2001. Toute l'information pertinente vous sera transmise dans nos pages et sur notre site Internet, dès l'automne prochain. Elles seront conjointes avec celles de l'ACMLA. Je vous invite à vous préparer dès maintenant pour nous soumettre vos projets de conférence. Le thème de l'Événement sera centré sur les professions de la cartographie.



Résultats des élections au comité exécutif 2000

Election Results

The following candidates were elected at the annual meeting in Edmonton, June 2000. Participants work out their course strategies. Les membres suivants de l'ACC ont été élus à l'exécutif 2000, en Edmonton, juin 2000.

Vice-President / vice-Président:

UTE DYMON

Kent State University

Map Use and Design /
Conception et utilisation des cartes:

DIANE LACASSE

Natural Resources Canada

History of Cartography /
Histoire de la cartographie:

HENRY STEWARD

Clark University



Phil Dodds
Intergraph Corporation

CARTO 2000 Web Workshop Summary

For those of you unfortunate not to make it to CCA 2000 in Edmonton I have decided to write a summary of the 'GIS on the web' workshop. I would first like to thank the professional staff at the University of Alberta, especially Dan Duda, for their hospitality and excellent help in setting up and organizing the workshop. Everything I needed was there in a most efficient fashion. On the final agenda, I was to host the workshop and John Hacker from Intergraph (yes his name really is Hacker) and Dan Monroe from ESRI were supposed to be the presenters. In the actual workshop, David Broscoe graciously offered to host and I presented for Intergraph and David Parry represented ESRI. The workshop was completely full and people seemed to enjoy the content and live demonstrations.

On evaluating the responses during and after the workshop, I was reminded on how fast Internet and web technology has changed every few months. The big buzzword in the Internet world today is 'XML' which stands for extensible Markup Language. For more information on XML, I would suggest visiting the following web site: WWW.XML.COM. The creation of maps on wireless cell phones linked into GPS also seems to be a popular trend. Many people had interest in viewing 3D photographs on the web using IPIX technology and using the IPIX plugin. One can view this IPIX technology at WWW.Ipix.com and download the free plugin.

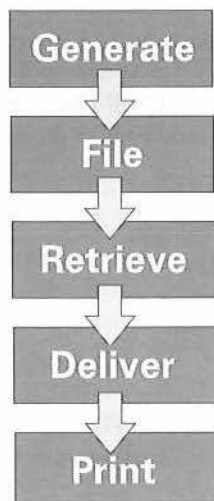
Another major topic of interest was viewing digital documents on the web and having the ability to search on various documents and print them over the web in exactly the same format as they were stored. Over the next few years this will be standard practice with paper plots gradually being replaced.

Digital methods offer substantial savings in labor and materials. When you choose to incorporate a digital system into your workflow, you will experience many benefits:

- Simplified workflows
- Immediate access to information
- No need for large physical storage facilities
- Reduced use of paper and other consumable materials
- Practical duplication and off-site storage for backups
- Automated processes that reduce the chance for human error
- Elimination of courier charges and delay

It was also interesting that many agencies are now using the web to distribute data and download it to their local machines in formats of their choice. With object technology it is also possible to perform live projections of data and spatial analysis over the web. Web technology has definitely changed over the past several months and will continue to do so. To show the diverse interest in web technology I have included the names of all workshop attendees for future contacts on web-related questions and discussions.

Lee Reiger	Reiger Cartographic Consulting
Monika Rieger	University of Calgary
Patricia Chalk	University of Western Ontario
Elise Pietronird	University of Sask.
Gary Strike	University of Manitoba
Gerald Romme	University of Sask
Richard Pinnell	University of Waterloo
Cathy Moulder	McMaster University
Lori Sugden	University of Victoria
Alberta Wood	Memorial University of Newfoundland
Linda Newman	University of Nevada
Carol Marley	McGill University
Grace Welch	University of Ottawa
Rick Gray	University of Guelph
Erin Richmond	University of Victoria
Scott Emmons	University of Northern BC
Roger Wheate	University of Northern BC
Gary McManus	CartoDESIGN
Bruce Armstrong	City of Edmonton
Brian Sobchysyn	City of Edmonton
Charles Barton	City of Edmonton
Brian McGregor	University of Winnipeg
Gail Curry	UNBC Library
Mary Douglas	Seattle Public Library
Helene Genest	University of Laval
Diane Lacasse	Natural Resources Canada
Terri Milton	COGS (NSCC)



*Simplified work
flows are one
advantage of
Digital Systems*

News from the Canadian Institute of Geomatics (CIG)

The CIG continues to create news of interest to CCA members. The saga continues with the rejection of the proposed Geomatics Association Amalgamation and with a Geomatics Certification proposal.

CIG Rejects Geomatics Organizations Merger

Readers of previous issues of *Cartouche* may remember the discussion of the proposed amalgamation of the CIG, the Canadian Council of Land Surveyors (CCLS) and the Geomatics Industry Association of Canada (GIAC). At the CIG annual General Meeting in Montreal this past March, the CIG resolved **not** to pursue amalgamation with the other two organizations. The CCA is still interested in the concept of amalgamation, but not under the terms of this specific agreement, according to Jim Simpson, a Past-President of the CIG. The impact of the three-organization amalgamation on the CCA is no longer in question, although I understand that CCLS and GIAC are continuing to explore amalgamation and the lack of participation of the CIG may have implications in itself.

CIG Geomatics Certification Proposal

At the CIG AGM, a document was distributed entitled *Canadian Institute of Geomatics Certification Program for Geomatics Specialists: Certification and Recertification Guidelines*. I will attempt to paraphrase the document below, with emphasis on the GIS/LIS specialization, the category with the greatest impact on CCA members, I would expect. The document has the potential for a major impact on the Geomatics industry, including those of us involved in Cartography and GIS as both teachers and practitioners.

The document outlines a proposal for voluntary certification of CIG members in five fields of specialization:

- Geomatics Specialist (Photogrammetry)
- Geomatics Specialist (Remote Sensing)
- Geomatics Specialist (GIS/LIS)
- Geomatics Specialist (GPS - Geodesy)
- Geomatics Manager

*Cartography as a term
is nowhere to be found.
I suppose it falls under
the 'Presentation of
results' bullet.*

The aims (amongst others) of the Certification Program are to:

- Identify and recognize those who meet the requirements of certification based on peer evaluation
- Provide a basis for evaluating complaints against those practicing Geomatics

GIS/LIS Specialization

The proposed basic requirements for each field of specialization are outlined in the document. For the GIS/LIS specialty the certification requirements are:

- Six year professional experience in GIS/LIS
- References of four responsible individuals working in the Geomatics field
- Declaration of compliance with the Code of Ethics of the CIG

The fields of specialization within the GIS/LIS Specialist are as follows:

- System design and operational planning
- Database construction and management
- Design and/or integration of application software packages
- Spatial analysis
- Ascertaining quality/accuracy estimates
- Presentation of results
- System maintenance

Cartography as a term is nowhere to be found. I suppose it falls under the 'Presentation of results' bullet.

The document describes Seals and Certificates, Recertification, and Administrative Procedures connected with the proposed certification. The CIG Code of Ethics is appended.

Obtaining Copies of the Certification Proposal

Copies of this document were circulated at the Edmonton CCA Conference to all executive members present and to those members who expressed an interest at the AGM. If you would like a copy, please contact me. Easiest method is E-mail (broscood@algonquincollege.com). Please ensure that you include your snail-mail address since all I have at the moment is a hard copy of the document.

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Today's Word: INTERFEROMETRY

In-ter-fer-o-me-try:
interfere(v) - to obstruct
-metry (suffix) - to measure
used in a sentence: "I made interferometric observations of aggressive drivers on my way to work."

For 11 days last February one of the most remarkable mapping exercises in the history of aerospace flight was completed by the crew of the Space Shuttle Endeavor. Endeavor carried the Shuttle Radar Topography Mission (SRTM) to obtain the most complete high-resolution digital topographic database of the Earth.

In the same way that photogrammetry from stereo pairs of aerial photographs revolutionized topographic mapping 75 years ago, interferometry from stereo pairs of radar images is redefining the state of topographic cartography today. This was accomplished by modifying the existing Shuttle Imaging Radar, housed in the shuttle's bay, to work in unison with a second antenna attached to the end of a 60 m boom extended to the side of the spacecraft. The dual antennas acted like having stereo vision, generating different images with complex interfering signal phases that are combined through software to generate a detailed digital elevation model of the Earth's surface.

Three-dimensional mapping from satellites is not new - the French SPOT satellites have been able to do this for about 15 years. Radar interferometry is also not new - digital elevation models have been made from Canada's RADARSAT satellite for the past five years. In the RADARSAT case the images used must have been acquired on separate orbits, often days or months apart. What is key about the SRTM data, however, is that they have been acquired at the same time. Previously, topographic maps have been pieced together by measurements taken from different instruments at different times.

Such maps have inconsistencies. But Endeavor's mission will produce a global map (between 60°N and 56°S latitude) from information collected over 11 straight days. The fact that all the data comes from one sensor means that they all have the same, uniform accuracy.

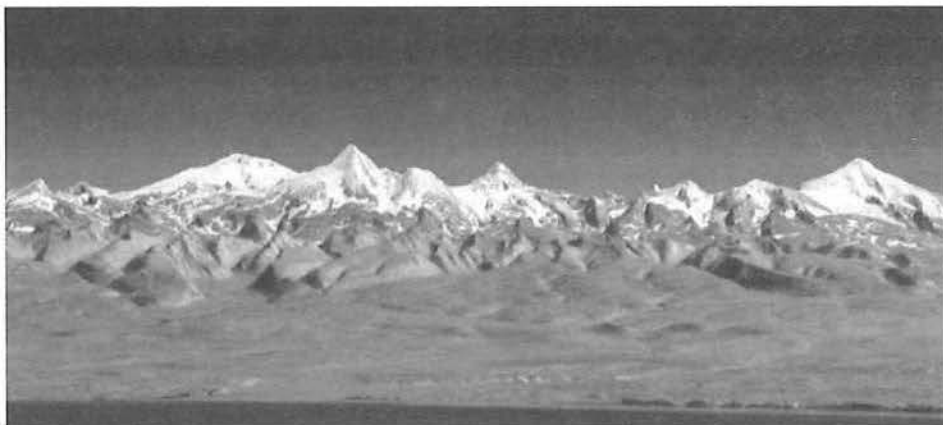
Further, unlike the SPOT program, the radar systems are unaffected by clouds or darkness. Persistent cloudiness has been one of the limiting factors in obtaining quality data for equatorial regions of the Earth.

The image below is a perspective view

engineers in building roads, rail lines, pipelines, seaports, airports, cell phone towers and flood control projects.

It is expected to take 2 years to complete the processing of the SRTM data for all of the land areas covered. Data will be made available through the U.S. Geological Survey's EROS Data Center (<http://edc.usgs.gov>).

Topographic maps of the Earth produced from the SRTM data will be available at two levels of resolution. Low resolution maps, with a spatial accuracy of 90 m, will be



showing the western side of the volcanically active Kamchatka Peninsula in eastern Russia. In the foreground is the Sea of Okhotsk. Inland from the coast, vegetated flood plains and low relief hills rise about 2,400 m to the snow capped peaks of the Sredinnyy Khrebet, the volcanic mountain range that makes up the spine of the peninsula. High resolution SRTM topographic data like this could be used by geologists to study how volcanoes form and to understand the hazards posed by future eruptions.

Other uses for the new data include: helping geologists locate new mineral deposits, assisting meteorologists in understanding the contours of the planet and so better predict weather patterns, and aiding

freely available. The high precision maps will have 30 m spatial resolution with 10 m relative (16 m absolute) vertical height accuracy. Unfortunately, since these maps will often represent the most detailed mapping that exists for much of the world, access to them will be controlled by the U.S. military. Foreign scientists are not allowed to have it for any reason, and American researchers have to petition for the valuable information. *Sigh* Young readers take heart, I'm sure that they will be released publically in about 10-15 years once a better mapping system has been developed.

For more information on the SRTM check out the NASA JPL web page at <http://www.jpl.nasa.gov/srtm>.

Brief News Items

Exhibitions

Three centuries of terrestrial and celestial globes, maps, rare books, scientific instruments, and armillary spheres are being exhibited in Montreal at the **Stewart Museum**. Located in the picturesque old fort on Ile Sainte-Hélène, the exhibition features some 50 items from the Museum's extensive collections. The guest curator of the exhibition is Ed Dahl, who many CCA members will remember as the early map specialist at the National Archives of Canada until his retirement in 1998. "Yes! The World is Round: A Closer Look at Early Globes, Maps and Scientific Instruments" will continue to March 2001. An exhibition catalogue, published by McGill-Queen's University Press, will be available in July. Further information is available on the Museum's web site, see <http://www.stewart-museum.org>.

As part of the exhibition, the **Stewart Museum** will also host a symposium on early globes from October 19th to 22nd, 2000. The symposium will give participants an opportunity to hear presentations by an international panel of globe experts. The tentative program includes: "Looking at the Earth from Outer Space: Ancient Views on the Power of Globes," by Christian Jacob, Centre National de la Recherche Scientifique, Paris; "'The Doctrine of the Sphere': A Forgotten Chapter in the History of Terrestrial and Celestial Globes," by Elly Dekker, Linschoten, The Netherlands; "La symbolique du globe dans les arts graphiques en Occident, XVIe-XVIIIe siècle : la leçon des livres d'emblèmes et d'iconologie," by Catherine Hofmann, Département des cartes et plans, Bibliothèque nationale de France; "An Art Historian's Approach to Globes," by Robert Derome, Art History Department, Université du Québec à Montréal; "Globe Production in the Low Countries and Its Impact in Europe,

1525-1650," by Peter van der Krogt, University of Utrecht, The Netherlands; "Celestial Globes: Origins and Innovations," by Elly Dekker, Linschoten, The Netherlands; "Les globes: construction et restauration," by Alain Roger, technicien d'art en chef à la Bibliothèque Nationale de France (to be confirmed); "More Than Just Spheres: A Curator's Vision for a New Globe Museum in Vienna," by Jan Mokre, Curator, Globe Museum, National Library of Austria, Vienna.

The registration fee, which will include lunches and dinners during the symposium, is \$285 (Canadian). Participation will be limited to 75 persons and the deadline to register is September 8, 2000. For further information, please contact the globe symposium secretary Nadia Hammadi at: The Stewart Museum, PO Box 1200, Station A, Montreal, Quebec, H3C 2Y9, Canada; tel: (514)861-6703, ext. 260; fax: (514)284-0123; e-mail: nhammadi@stewart-museum.org.

Conferences

The Biblioteca Nacional de Espana, the Ministerio de Defensa, the Universidad Complutense de Madrid, and Imago Mundi Limited recently issued their first call for papers for the **19th International Conference on the History of Cartography**. Although the conference theme is centred on the cartography of Spain and Iberoamerica, the organizers have indicated that they will consider presentations on any aspect of the history of cartography. The conference will be held in Madrid from July 1st to 6th, 2001, at the Biblioteca Nacional. Presentations are to be 20 minutes in length and the deadline for

receipt of abstracts is October 1, 2000. The full text of the call for papers -- including booking forms for conference registration, hotel reservations, and tours -- is available at <http://www.bne.es>. Further details will be posted on the conference web site as they become available, see <http://ihr.sas.ac.uk/maps/19th.html>.

Recent Publications

The Portolan, no. 47 (spring 2000): What's New about the Vinland Map?, by D. McNaughton; Geographic Representations of the Tokaido from Edo to Meiji Japan, by J. Traganou; Acquisition of Cartographic Material from the Viewpoint of an Institutional Collector -- The Library of Congress, by J. Flatness; The Feminine Landscape, or Gynocartography: Treating Women Like Dirt, by D. Lewes.

The Cartographic Journal, vol. 36, no. 2 (December 1999): The Spanish Contribution to the History of Cartography, by Agustin Hernando; Russian Cadastral Surveys before and after Peter the Great, by Alexi Karimov; Journalistic Cartography: Good or Bad? A Debatable Point, by D. Green.

Mercator's World, vol. 5, no. 2 (March-April 2000): Loss and Love: A Hungarian Map Collector in Paris, by Susan Ludmer-Gliebe; Dream Journey to the Stars, by Peter Whitefield; Mercator's Secret, by Douglas McNaughton; Simply Superb: The British Library's Map Library Melds Old and New Worlds, by Liz Sagues; Along the Ancient Silk Road: The Remarkable Explorations of Sven Hedin, by Kenneth Wimmel; Driveways of the Rich and Famous: Hollywood's 'Red Line' Map, by Bill Warren; Physician, Map Thyself: Men of Medicine and Cartography, by Gimel and Eva Wajntraub.

Having Trouble with Your Lenses?

David J. Mercer and Charles M. Conway
Memorial University of Newfoundland Cartographic Laboratory

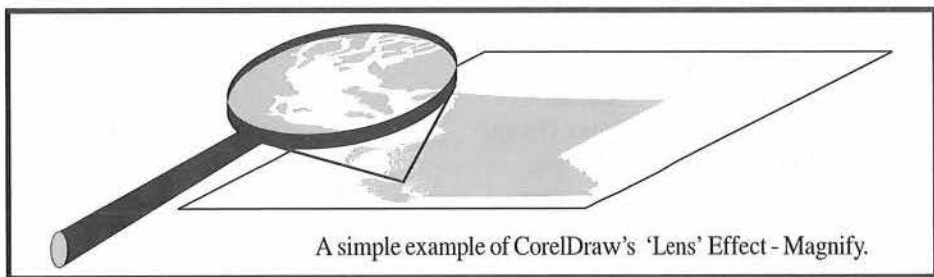
Don't you just love the effects that CorelDraw's 'lens' feature adds to your maps. The effects that lenses add to the drawing can be quite dramatic and, in many cases, are very useful in cartographic applications.

If you are not familiar with this feature of CorelDraw, the lens effect changes the appearance of objects located behind it in the drawing. Some common lens effects are Magnify, Transparency, and Brighten. To add a lens effect to your map. Draw an object of the size and shape required for the lens and place it over the objects to which you wish to apply the effect. Then with the shape highlighted, select the effect you wish to apply from the Lens Roll-up. (For a more

steps will define the process:

1) Apply the desired lens effect - make sure that you are happy with the results as you may have to redo quite a bit of work if you wish to modify the effect later.

2) Select the lens, from the file menu, select export, the export dialogue box will appear. Select the appropriate options, resolution etc. (one recommended file format is TIFF). Make sure that the "Selected Only" box is checked. Once you are satisfied that the options are set appropriately - click OK to export the image.



A simple example of CorelDraw's 'Lens' Effect - Magnify.

detailed description on how to generate lenses, see the *CorelDraw Manual* or check *A Guide to Map Design and Production using CorelDraw™ 7 and CorelDraw™ 8*)

We have, however, encountered some problems with these lens effects. It seems that some printers have trouble interpreting the lens once it has been added to the drawing. The lens will display properly in the print preview on screen, appearing as though the file will print correctly. When you actually try to print the file, however, the printer will crash. We're sure that there are other people in the same boat. If you're one of those people, here is a work-around solution we use that should help you make use of this versatile function!

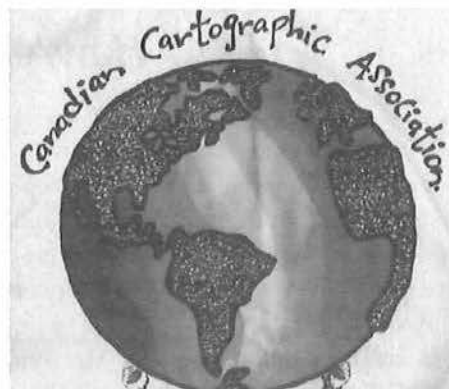
The most effective way around this problem is to actually generate a separate bitmap of the lens effect, saving it as a separate file and then importing that image back into the original drawing. How do you do that? The following

3) Return to the original drawing. From the file menu, select import, choose the file that was just created and place the bitmap image back into the drawing. Align the new image with the old lens, delete the old lens and save the resulting file.

Note: If you are able to get proof prints with the lenses intact, leave this process until the final artwork is being prepared. This will allow for relatively easy editorial changes up to the conclusion of the project. When preparing the artwork for final imaging, then replace the lenses with the bitmap equivalents.

A Guide to Map Design and Production using CorelDraw™ 7 and CorelDraw™ 8 is available from the Memorial University of Newfoundland Cartographic Laboratory. For further information, please contact Dr. C.H. Wood (chwood@mun.ca).

Back by Popular Demand



CCA T-SHIRTS

Reduced grey scale image of the colour Original

COST: \$25 if picked up; \$30 if mailed.

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.

New and Improved CCA Web site

The CCA has begun to improve and upgrade it's web site. Thanks to the hard work of Anita Mueller the site has a new look and structure. The URL has been shortened to <http://www.geog.ubc.ca/cca>

5th Almost-annual Orienteering event

Hawrelak Park, Edmonton, June 1, 2000

It was a warm and sunny evening; the troopers staggered out of the last session and down the embankment to the very attractive park named after Edmonton's former mayor. Neophytes were given basic Orienteering instructions by Marilyn Edmonds, local expert and host for the Edmonton Overlanders Orienteering Club, doing it all in the absence of our perennial organiser, Diana Hocking on leave in Sweden. Marilyn neglected to tell us that the controls to the south were much harder to find than those north of the start and many of us ended up loudly cursing and longing for a kinder and gentler 'Diana' course. However as expected all had a great time, some enjoyed themselves too much staying out long enough to amass way more penalty points against those they had collected, but at the same time getting highest entertainment value for their \$5. We reconvened afterwards at O'Byrne's, an olde Irish pub, established 1998, and apparently some competitors had an ale or three. Next year: Montreal.

Roger Wheate

<i>Name</i>	<i>City</i>	<i>Controls</i>	<i>Penalties</i>	<i>Score</i>
Robert Legg	Prince George	12	0	120
Roger Wheate	Prince George	13	1	120
David Broscoe	Ottawa	11	0	110
Lea Selley	Edmonton	12	1	110
Leah Vanderjagt	Edmonton	11	0	110
Michel Fournier	Montreal	9	0	90
Brian MacGregor	Winnipeg	9	0	90
Elise Pietroniro	Saskatoon and Ian	9	0	90
Phil Dodds	Huntsville, AL	7	0	70
Karen Wasson	Calgary	6	0	60
Trish Chalk	London	5	0	50
Rick Gray	Guelph	7	4	30
Gerald Romme	Saskatoon	3	0	30
Erin Richmond	Victoria	3	0	30
Christine Earl	Ottawa	12	10	20
Keith & Joyce Bigelow	Saskatoon	3	1	20
Byron Moldofsky	Toronto	10	13	-0
Scott Emmons	Prince George	4	8	-0
Weldon Hiebert	Winnipeg	7	30	-0
Sally Hermansen,	Vancouver	10	50	-0
Henry Castner	Pittsboro, NC	10	xxx	-0
Jean McKendry	Arlington, VA	10	xxx	-0
Ute Dymon	Akron, OH	10	xxx	-0
Mike Dymon	Akron, OH	9	51	-0
Brian Klinkenberg	Vancouver	15	61	-0



Participants work out their course strategies.



Robert Legg (left photo) and Lea Shelly (photo below), a couple of champions receive their awards from Roger Wheate. Many thanks to Weldon Hiebert and Phil Dodds for providing prizes.





Edmonton orienteering group (photo by Weldon Heibert).

Norman Nicholson Scholarship, 2000

The scholarship winner for 2000 is:

JoAnna McIntyre

COGS, Lawrencetown, NS.



Joanna has completed the first year in a 2-year program in Digital Mapping Technology at the Centre of Geographical Sciences (COGS), following a BA (geography) at St. Mary's University, Halifax. She is a confirmed cartophile and had planned to pursue a career in cartography since she had been in high school.

POSITION Available

Manager, Syracuse University Cartographic Laboratory

Applicants should have a degree in geography or cartography (master's preferred) and expert knowledge of cartographic method and theory, as well as experience with graphics software, GIS, web design, and computer systems. Responsibilities include producing maps and graphics for department faculty, the university, and outside not-for-profit agencies. Salary: \$29,000 to \$45,000 commensurate with experience. Applicants should send curriculum vitae, examples of work, and three letters of recommendation. Review of applications will begin 15 September 2000 and continue until position is filled. Syracuse University is an Affirmative Action/Equal Opportunity Employer.

Apply: Mark Monmonier,
Chair, Cartographic Lab Search Committee,
Department of Geography,
Syracuse University,
Syracuse, NY 13244-1020.

Internet: mon2ier@syr.edu.

CCA Awards of Distinction 1999

Prix de Distinction 1999 de l'ACC

Award of Distinction for Exceptional Contributions to the CCA:
HENRY CASTNER

Good evening, Ladies and Gentlemen. I am pleased to be presenting the award for Exceptional Contributions to the Canadian Cartographic Association. Henry Castner has been selected as our 25th year anniversary recipient. Henry's contributions to the association have been multi-faceted, just like the CCA logo which he designed for us. Let me describe three of his facets as a framework for this presentation.

FIRST FACET: INITIATIVE AND LEADERSHIP ACTIVITIES

The first facet I have entitled 'Initiative and Leadership Activities'. Henry was one of the eight individuals who first gathered informally on May 28, 1975 to "discuss the possibility of establishing a cartographic association that would appeal to Canada's cartographic community". The inaugural meeting of the association took place just four months later. In the years that followed, Henry's initiative and organizational work for the association was of key importance, for it was recognized from the outset that the viability of the CCA depends on the flourishing of the interest groups and the establishment of a national presence and identity. Henry's commitment to the association's success is revealed by a sampling of his numerous activities, many of them in direct support of the interest groups. Henry gave a paper or workshop or organized a session at nine different meetings, at eight different locations, in the first nine years of the Association. Along the way, he designed our letterhead, a lapel pin, and an orientation brochure for incoming Interest Group Chairs. He was also the first Chair for the Interest Group on Map Design and Production, and "Cartographer Projected" in 1983 (an invited speaker on tour for the CCA to Winnipeg, Regina, Calgary, Vancouver and Victoria). Henry served as Vice President in 1980, President in 1981, and was on the program and organizing committee for two different annual meetings. This is not an all-inclusive list, yet it clearly demonstrates his initiative and leadership skills from the outset.

SECOND FACET: KEEPING THE VISION

The second facet I have entitled 'Keeping the Vision'. As cited earlier, the role of the interest groups was originally considered to be a key element in the growth of the CCA and in establishing its relevance to the membership. In keeping with this vision, Henry has offered numerous hands-on workshops at CCA conferences. These unique sessions are one of Henry's CCA trademarks. Participants always leave Henry's sessions better educated and inspired to take their niche in cartography to a higher level. Their bond to the association is strengthened by the tangible benefits of what has been learned in the session, and by the warm camaraderie with Henry and the fellow participants.

THIRD FACET: PERSONALITY AND COMMITMENT

The last facet is entitled 'Personality and Commitment'. In my limited exposure to Henry, it has become clear that Henry's magical personality and hard work are major components of his success. These attributes combined with his 25 years of commitment to the CCA make this facet an inspiration to us all.

Please join me in a round of applause to acknowledge this gem of the CCA.

Prix pour une contribution exceptionnelle à l'ACC:
HENRY CASTNER

Bonsoir mesdames et messieurs. Il me fait plaisir de vous présenter le prix pour «Contribution exceptionnelle à l'Association canadienne de cartographie». Henry Castner a été choisi comme étant le récipiendaire de notre 25ième anniversaire. La contribution de Henry à l'Association, tout comme le logo de l'ACC qu'il créa, présente de multiples facettes. Laissez-moi vous décrire trois facettes qui serviront de cadre à cette présentation.

PREMIÈRE FACETTE : ACTIVITÉ INITIALE ET LEADERSHIP

J'ai intitulé la première facette «Activité initiale et leadership». Henry fut l'une des huit personnes qui se sont réunies de façon informelle le 28 mai 1975 pour «discuter de la possibilité d'établir une association cartographique qui serait attirante pour la communauté cartographique du Canada». La réunion inaugurale de l'Association eut lieu quatre mois plus tard. Durant les années qui suivirent,



Patricia Chalk (left) presents Award of Distinction to Henry Castner.
Patricia Chalk (à gauche) remet un Prix de Distinction à Henry Castner.

l'initiative et le travail d'organisation de Henry pour l'Association fut d'une importance capitale. Il fut reconnu que la viabilité de l'ACC dépendait du dynamisme des groupes d'intérêt et de l'établissement de l'identité et de la présence nationales de l'Association. L'engagement de Henry au succès de l'Association nous est révélé par un échantillonnage de ses nombreuses activités, dont plusieurs d'entre elles apportèrent un support direct aux groupes d'intérêt. En effet, Henry fit une présentation, un atelier, ou organisa une session à huit reprises au cours des neuf premières années de l'existence de l'Association. Au cours des années, il créa un entête pour l'Association, une épinglette, ainsi qu'une brochure d'orientation pour les futurs présidents de groupes d'intérêt. Il fut aussi le premier président du groupe d'intérêt «Création et production cartographique» et

«Cartographer Projected» en 1983 (un présentateur invité lors des visites de l'ACC à Winnipeg, Regina, Calgary, Vancouver et Victoria). Henry fut aussi vice-président en 1980, président en 1981 et membre des comités organisateur et du programme pour deux réunions annuelles. Cette liste n'est qu'un aperçu du travail que Henry a accompli pour l'Association mais démontre clairement ses qualités de leadership et d'initiative.

DEUXIÈME FACETTE : GARDER LA VISION

J'ai intitulé la deuxième facette «Garder la vision». Comme je l'ai mentionné plus tôt, le rôle des groupes d'intérêt était originalement considéré comme un élément clé de la croissance de l'ACC et de l'accroissement de ses membres. Gardant cette vision, Henry présida de nombreux ateliers pratiques aux conférences de l'ACC. Ces sessions uniques furent l'une des «marques de commerce» de Henry. Les participants quittaient toujours ces sessions mieux renseignés et inspirés à prendre une place de plus haut niveau dans le domaine cartographique. Leurs liens à l'Association étaient solidifiés par les bénéfices tangibles qu'ils avaient acquis lors de ces sessions, ainsi que par la camaraderie avec Henry et les autres participants.

TROISIÈME FACETTE : PERSONNALITÉ ET ENGAGEMENT

La dernière facette s'intitule «Personnalité et engagement». Même si je ne connais pas Henry depuis longtemps, il m'apparaît clair que sa personnalité et son travail acharné sont les composantes majeures de son succès. Ses qualités, combinées à ses 25 années d'engagement à l'ACC, sont une inspiration pour nous tous.

Award of Distinction for Exceptional Scholarly Contributions:
RAYMOND BOYLE

Prix pour une contribution exceptionnelle d'érudition sur la cartographie:
RAYMOND BOYLE

The recipient of this year's CCA Award of Distinction for Exceptional Scholarly Contributions to Cartography is someone well known to most long-time members of the CCA, and to those who have studied the history of automated cartography and GIS. While today the use of GIS seems almost ubiquitous, and students in high school are being taught how to use it, it is worth remembering that it was only fifty years ago that the essential components of a GIS were first being developed. Pioneers in the field, like Dr Raymond Boyle—whom we are honouring today—created the technologies that we now take for granted.

Dr. Ray Boyle was born and educated in England—something we can forgive since he subsequently spent most of his life in Saskatoon. He obtained his PhD in 1944 from the University of Birmingham, and subsequently started up an electronic / mechanical instrumentation company in Glasgow, Scotland. He applied his considerable talents to the development of what was to become known as the D-Mac "Pencil Follower" map digitizing table—the first such large-area, high-precision flat bed table digitizer in the world. Without the development of a device such as this automated cartography and GIS would never have gotten out of the door.

Luckily for Canada, for some reason Ray decided to forgo the beauty of Loch Lomond, and in 1965 he became a Professor of Electrical Engineering at the University of Saskatchewan. Here, he worked on the development of a more advanced digitizing tablet for the Canadian Hydrographic Service. Roger Tomlinson, the developer of the CGIS and seen by many as the father of GIS, was also one of the early users of this technology. So, not only has Canada played a founding role in the conceptual development of GIS software, we were also leaders in the development of GIS hardware.

In refining the hardware, Ray also worked on the development of digitizing software. Over time and many refinements, the seeds that Ray planted in the programs he developed in the late 60's and early 70's ultimately led to the development of CARIS, another well-known GIS program developed in Canada.

He retired from the University in 1987, but he still is actively involved in education. He has taken his interest in mapping and has developed a mapping system within Excel. He did this so that community activists and other traditionally low-tech groups could have access to a simple but effective mapping tool. (He has produced a CDROM with his software and notes....)

Ray Boyle was not only actively involved in developing new hardware and associated software systems—he took time to contribute his skills and talents to the Canadian Cartographic Association, being President of the Association in 1980-81. In the Presidential speech he gave twenty years ago (June 22-23, 1981 at the University of Calgary) he stated:

Those of you who know me, will know that I am a 'ringer' in this work of cartography. I am an electrical engineer who has always been very interested in graphics. In 1960, I was approached by a cartographer who thought there were some possibilities in the "new-fangled nonsense" and I became rather intrigued. It seemed very difficult; it seemed almost impossible; and ever since then I have been trying to get out of working with cartography. But each year something more interesting has come up, and I have stayed to with it. I really do find it exciting work. (R. Boyle, 1982, *Introductory Remarks in Computer Assisted Cartography and Geographic Information Processing: Hope and Realism*, D. Douglas and R. Boyle (eds) Ottawa: CCA).

I think that the Canadian Cartographic Association, Canada, and the world, are rather lucky that this 'ringer' has stayed actively interested in cartography. It is fitting that the first CCA Award of Distinction for Scholarly Contributions of this new millennium goes to someone who was been working in the field for over 50 years, someone who not only played a major role in the development of the field of automated cartography and GIS, but who also helped shape the discipline of Cartography in Canada.

Congratulations, Ray. This is a well deserved award.

Cette année, le récipiendaire du Prix de distinction pour sa contribution exceptionnelle en cartographie dans le milieu scolaire est remis à une personne bien connue de nos membres de longue date et également de ceux qui ont étudié l'histoire de la cartographie numérique et des SIG. Bien qu'aujourd'hui, l'utilisation d'un SIG soit devenue monnaie courante, tant pour les praticiens que pour les étudiants, il est utile de se rappeler que les fondements des SIG ont été développés il y a plus de cinquante ans. Ce sont des pionniers comme le Dr Raymond Boyle, que nous honorons aujourd'hui, qui ont créé cette technologie.

Bien que le Dr. Ray Boyle a passé la majorité de sa vie à Saskatoon, il faut toutefois rappeler qu'il est né en Angleterre où il fit ses études et obtint son doctorat de l'Université de Birmingham, en 1944. Par la suite, il créa une entreprise d'instrumentation électronique/mécanique à Glasgow (Écosse). Il y a déployé son incommensurable talent, au développement de ce qui deviendra le D-Mac, une table numérisante avec un crayon traceur, la première table numérisante de haute précision de cette taille, au monde. Sans le développement du procédé d'automatisation de la cartographie et de SIG, nous ne serions pas rendu là où nous en sommes aujourd'hui.

Heureusement pour nous, en 1965 Ray renonça aux beautés du Loch (lac) Lomond pour devenir Professeur en génie électrique à l'Université de Saskatchewan. Il y développera une tablette de numérisation plus performante pour le Service Hydrographique du Canada. Roger Tomlinson, le développeur du CGIS, reconnu par plus d'un comme étant le père des SIG, fut l'un des premiers utilisateurs de cette technologie. Le Canada n'a pas seulement joué un rôle fondamental dans le développement conceptuel des logiciels de SIG mais il fut également un leader dans le développement de matériel pour les SIG.

En raffinant la tablette, Ray a également œuvré au développement du logiciel de numérisation. Le temps et de nombreuses améliorations apportées au logiciel, qu'il a développé à la fin des années 60 et début 70, les mèneront ultimement à la création de CARIS, un logiciel de SIG bien connu au Canada.

Bien qu'il ait pris sa retraite de l'Université en 1987, il est demeuré actif dans le milieu scolaire. Son intérêt dans la cartographie l'a poussé à développer un système de cartographie dans Excel, dont le but est de faciliter, pour ceux qui n'ont pas la possibilité d'utiliser des systèmes sophistiqués, l'accès à la cartographie via un outil simple et efficace. (Il a produit un disque compact sur lequel se retrouvent son logiciel et ses notes.)

Au-delà de son implication dans le développement de nouveaux outils et des logiciels qui y sont associés, Ray Boyle a mis ses talents et habiletés aux profits de l'Association canadienne de cartographie lors de sa présidence en 1980-81. Lors de l'une de ses allocutions qu'il prononça en juin 1981, à l'Université de Calgary, il mentionna :

« Ceux qui me connaissent bien, savent que je suis celui le type de personne qui appui sur la sonnette d'alarme en ce qui a trait à la cartographie. Je suis un ingénieur en génie électrique qui a toujours eu un grand intérêt dans les graphiques. En 1960, un cartographe m'a approché, croyant qu'il y avait de bonnes possibilités d'interaction avec une "nouvelle approche incisive", cela a piqué ma curiosité. Cela ne semblait pas vraiment évident ; cela semblait même presque impossible, et avec le temps, j'ai essayé de voir ce que je pouvais tirer de la cartographie. Chaque année il y avait toujours quelque chose de plus intéressant à faire ce qui m'a stimulé. Je trouvais cela vraiment excitant. (R. Boyle, 1982, *Introductory Remarks in Computer Assisted Cartography and Geographic Information Processing: Hope and Realism*, D. Douglas and R. Boyle (eds) Ottawa: CCA).

suite page 18



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

LILLIAN WONDERS

The winner of the award of distinction for exceptional contributions to the practice of Cartography for 2000 is Lillian Wonders. Lillian has been involved in cartographic education and production for the last 50 years; she received her B.A. (Washington) and M.A. (Syracuse) in 1946 and 1948, and worked as a cartographic assistant to Richard Edes Harrison in those years.

Lillian first instructed Cartography in 1948, and ventured north to Canada in 1951 to lecture at the University of Toronto and as a free-lance cartographer, producing numerous maps to accompany geography texts. In 1953 she began a 35 year association with the University of Alberta, but took a 10 year break in 1955 to raise three children. Thence she continued as a cartography instructor and consultant, producing maps for publications such as *Canada's Changing North*, the *Canadian Rockies* and the *Atlas of Alberta*.

In 1972 Lillian became a full time sessional lecturer until 1987, and it was in these years that I met her semi-frequently as I worked three hours away at the University of Calgary. When we held cartography meetings and workshops, she arrived with a busload of enthusiastic students who clearly regarded her as mentor and the source of inspiration for their future careers in cartography.

Unlike many of us who teach cartography and have fallen into the trap of being too busy to actually make any maps ourselves, Lillian continued to combine teaching with map production, such as the *Junior Atlas of Alberta* and maps for the *Canadian Encyclopedia*, and to be a cartographic consultant for the department of Indian and Northern Affairs, Canadian Forestry Service and the National Film Board. She also was known for working with a variety of less conventional mapping media: in 1983 she designed the Stadium map of Canada for the World Student Games Opening ceremony, in Edmonton. The map measured 65 x 105 yards (about 1" to the mile).

After leaving U of A in 1987, Lillian formed her own cartographic business 'Mostly Maps', producing many maps for *Travel Alberta* and *Parks and Recreation*, before 'retiring' to Victoria in 1989, where she continued to produce maps notably in the *Geographica Atlas of Canada and the World*, and compiling the chapter on Canadian Atlases in the summary work "Mapping a Northern Land", the 'sequel' to Don Thompson's 'Men and Meridians'.

LILLIAN WONDERS

La gagnante du prix d'excellence pour une contribution exceptionnelle à la pratique de la cartographie pour l'année 2000 est Lillian Wonders. Lillian s'est impliquée dans l'éducation et la production cartographique depuis les cinquante dernières années. Elle a complété un baccalauréat à Washington en 1946 et une maîtrise à Syracuse, en 1948. Lors de ces années, elle fut l'assistante en cartographie de Richard Edes Harrison.

Lillian débuta l'enseignement en cartographie en 1948 et s'installa au Canada en 1951, afin de donner des cours à l'Université de Toronto à titre de cartographe à la pige, ainsi que pour produire de nombreuses cartes pour accompagner des textes de géographie. En 1953, elle s'associe à l'Université d'Alberta. Cette association dura trente-cinq ans, mais en 1955, fut ponctuée d'une période de congé de

dix ans, lui permettant ainsi d'élever ses trois enfants. Ensuite, elle continua sa carrière comme instructeur et consultante en cartographie, produisant des cartes pour des publications comme *Canada's Changing North*, *the Canadian Rockies* et *the Atlas of Alberta*.

En 1972, Lillian devint professeur titulaire à plein temps et ce, jusqu'en 1987. Ce fut à cette époque que je l'ai rencontrée, lorsque je travaillais à l'Université de Calgary. Lorsque nous tenions des rencontres et des ateliers de cartographie, elle arrivait avec un autobus plein d'étudiants enthousiastes qui la prenaient comme mentor et source d'inspiration pour leur future carrière en cartographie.

Contrairement à plusieurs d'entre nous qui avons tombé dans le piège d'être trop occupés pour produire des cartes, Lillian continuait de combiner enseignement et production. Elle dessina les cartes pour le *Junior Atlas of Alberta* et le *Canadian Encyclopedia*, et fut consultante en cartographie pour le ministère des Affaires indiennes et du Nord, le Service canadien des forêts et l'Office national du film. Elle fut aussi reconnue pour son travail de création de cartes non-conventionnelles. Par exemple, en 1983, elle créa la *Stadium map of Canada* pour l'ouverture des jeux mondiaux universitaires à Edmonton. Cette carte mesurait 65 sur 105 verges, soit environ un pouce pour un mille.

Après avoir quitté l'Université d'Alberta en 1987, Lillian forma sa propre compagnie 'Mostly Maps' produisant ainsi plusieurs cartes pour *Travel Alberta et Parks and Recreation*, avant de se retirer à Victoria en 1989, où elle continua de produire des cartes, notamment pour *Geographica Atlas of Canada and the World*; ainsi que de faire la compilation pour le chapitre sur les atlas de l'ouvrage sommaire "Mapping a Northern Land"; la suite des volumes *Men and Meridians* de Don Thompson.



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

New Graduate Program

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A Place to Share

ESRI has launched a new web site called **Geography Network**, which is intended to provide a world wide platform for sharing geographic information between data providers, service providers and users. This site offers access to many types of geographic content including live maps, downloadable data and more advanced services for both the novice and professional user. Check it out at: www.geographynetwork.com



And the WINNER is...

Jackie Anderson is the winner of the CCA's photo identification contest displayed at the recently concluded 25th annual general meeting of the Canadian Cartographic Association. Jackie correctly identified all but ten of the 75 people displayed in the photos that were contributed by Henry Castner, Carolyn Weiss and Alberta Wood. My thanks to all who participated. *Clifford Wood*



Clifford Wood (far right) stands in front the collection of photographs he assembled for the contest, along with a group of admirers.



Calendar / calendrier

September 5 to 8 septembre 2000
CARTOGRAPHY 2000

(Joint meeting of the Society of
Cartographers and the British
Cartographic Society)
Oxford, England

For information / pour renseignements:
Dr. D. Fairbairn,
Department of Geomatics,
University of Newcastle,
Newcastle upon Tyne, NE1 7RU

October 11 to 14 octobre 2000
NACIS XX

Knoxville, Tennessee
For information / pour renseignements:
www.nacis.org/index.html

October 19 to 22 octobre 2000
**The Stewart Museum
Globe Symposium**

Ile Sainte-Hélène, Montreal
For information / pour renseignements:
nhammadli@stewart-museum.org
Tel (514) 861-6703, ext 260;
Fax 514 284-0123

August 6 to 10 august 2001
ICA BEIJING 2001

For information / pour renseignements:
www.sbsm.gov.cn/ica2001

June 2001 juin
Conference l'ACC/CCA 2001

Montreal, PQ
For information / pour renseignements:
Micheal Fournier
acsg_mtl@mblink.net

2004
**XX International Congress
of the ISPRS**

Barcelona, Spain
For information / pour renseignements:
www.icc.es

Come and visit the new on-line edition of the National Atlas of Canada at <http://atlas.gc.ca>. The site offers an interactive mapping tool as well as a full range of information, resources and links related to Canadian geography.

Now you can keep up to date on new developments in the Atlas by registering and subscribing to our mailing list.

The username and password provided will also be valid across other National Atlas Information Network applications, such as GeoGratis and CEONet. This centralized registration and authentication system reduces the need for our users to remember numerous passwords and enables us to provide you with access to more advanced functions.

We look forward to your comments.

For further information, visit the National Atlas of Canada web site at <http://atlas.gc.ca> or E-mail us at: atlasinfo@atlas.gc.ca

National
Atlas
Information
Network



Venez visiter la toute nouvelle édition de l'Atlas national du Canada en ligne à l'adresse <http://atlas.gc.ca>. Vous y trouverez un outil de cartographie interactive ainsi qu'une multitude d'informations, de ressources et de liens se rapportant à la géographie du Canada.

Vous pourrez également vous inscrire à notre Livre d'or! Ce faisant, votre nom sera ajouté à notre liste de distribution de courriel à partir de laquelle vous serez tenu au courant des plus récents développements de l'Atlas.

Le nom d'utilisateur et le mot de passe qui vous seront fournis sont valides pour toutes les composantes du Réseau d'information de l'Atlas national comme GeoGratis et CEONet. Ce service d'enregistrement centralisé réduit le besoin de se souvenir de plusieurs mots de passe et permet d'offrir des fonctions plus avancées à nos utilisateurs.

Au plaisir de recevoir vos commentaires.

Pour de plus amples renseignements, veuillez visiter le site de l'Atlas national du Canada à <http://atlas.gc.ca> ou communiquer avec nous à l'adresse suivante : atlasinfo@atlas.gc.ca

Geography Working Papers – Statistics Canada

Four new papers are now available from the Geography Working Paper Series:

- Census Metropolitan Area and Census Agglomeration Influenced Zones (MIZ) with Census Data;
- Census Metropolitan Area and Census Agglomeration Influenced Zones (MIZ): A Description of the Methodology;
- Delineation of Canada's North: An Examination of the North-South Relationship in Canada; and
- Introducing the Dissemination Area for the 2001 Census.

These papers as well as other Geography Working Papers are available **free** on Statistics Canada's Web site:

<http://www.statcan.ca/english/research/92F0138MIE/free.htm>

Readers of the series are encouraged to contact the Geography Division (geohelp@statcan.ca) with comments and suggestions.

Documents de travail de la géographie – Statistique Canada

Quatre nouveaux rapports de la Série de documents de travail de la géographie sont maintenant disponibles:

- Zones d'influence des régions métropolitaines de recensement et des agglomérations de recensement (ZIM) accompagnées de données du recensement;
- Zones d'influence des régions métropolitaines de recensement et des agglomérations de recensement (ZIM): Description de la méthodologie;
- Délimitation du Nord canadien: Un examen de la relation nord-sud au Canada; et
- Présentation de la région de diffusion pour le Recensement de 2001.

Ces rapports et d'autres documents de travail de la géographie sont disponibles **gratuitement** sur le site Web de Statistique Canada:

http://www.statcan.ca/francais/research/92F0138MIF/free_f.htm

On encourage les lecteurs de la série à communiquer avec la Division de la géographie (geohelp@statcan.ca) pour fournir leurs commentaires et leurs suggestions.

Le concours pour le Prix du Président 2000 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.

COLOUR MAP (Undergraduate) / CARTE EN COULEUR (sous-gradués):

First Place:

Andreanne Boisvert, University of Ottawa, "*Évolution de l'adhésion des membres de 1992 à 1999, de l'Association canadienne de cartographie et distribution*"

Honorable Mention:

Michael Hsu, University of British Columbia, "*Nuclear Power Generators in Japan*"

COLOUR MAP (Graduate or College) / CARTE EN COULEUR (gradués ou collégiaux):

First Place:

Chad Amirault, Centre of Geographic Sciences, "*Scuba Diving in Lake Michigan*"

Honorable Mention:

Tracy Holden, Sir Sandford Fleming College, "*Yukon Quest*"

UNBC Acquires Drummond Collection



Joanne Matthews, Information Services at the University of Northern British Columbia proudly shows off the latest acquisitions: the earliest editions of the Atlas of Canada, donated by retired Professor Norman Drummond, McGill University and CCA past-president. The UNBC Library also acquired an extensive selection of geography texts from Dr. Drummond, dating as far back as 1840. (As far as we know, Norman did not acquire these brand new!)



Mailbox / Courrier

Letter to the Editor/Cartographic Education Interest Group Chair

In the article entitled "3D Desktop GIS Extensions, Cartographic Visualization and the Educator" (Cartouche, 37, pp. 8 & 9), the comment is made that "one cannot create a flyover scenario" in ESRI's 3D Analyst, "like some remote sensing software". Although this is, on the one hand true, it is, on the other, not true at all. Strictly speaking, with 3D Analyst the ability to create flybys is not easily and immediately available, but with some knowledge of ArcView's programming language, Avenue, this is possible. Better yet, save the time in learning Avenue and download the scripts free from ESRI script site (<http://gis.esri.com/arcscrip/scrip/scrip.cfm>). Do a search by category; select ArcView 3D Scenes). One such script has proven to be very worthwhile in creating flybys for us at Ontario Ministry of Natural Resources' Provincial Geomatics Service Centre. I agree, however, with David's comment that 3D Analyst faces "limitations in the quality of imagery displayed in 3D." But as with all things digital, I think it's only a matter of time before the issue is resolved.

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Author's response:

Thank you Paul for pointing me to that particular downloadable extension. I was not aware of it. A number of my students used the flyover extension in their projects this past semester.

Your letter raises several points. First, one should search the web on a regular basis for extensions, scripts, upgrades or whatever to download in order to make full use of the software. Second, most of the downloads are not supported by the vendor. The scripts may or may not work for you; it is up to you to sort it out.

So I modify my original statement to read 'one cannot create a flyover scenario without first downloading and using an unsupported extension'. I am happy that vendors provide extensive libraries of customized code, mostly developed by users, available to anyone with Internet access. However, unsupported customized code, in my opinion, cannot be considered as part of a vendor's package.

David Broscoe

Welcome New Members

Monika Rieger
CCA Membership Co-ordinator

The CCA would like to welcome the following new members and returning members to the organization. I would also like to thank all the members who have renewed their memberships so promptly this year. You know who you are and you make my job much easier.

Public Works & Government Services -
Land & Business Geographics Group ... Ottawa, ON
Tat Quon Ma Victoria, BC
Gary Meddick Nepean, ON
London Public Library London, ON
Will van den Hoonaard Fredericton, NB
Susan Pannell Kingston, ON
Harry Manson Waterloo, ON
Margaret Pearce Arcata, CA
Martha Bostwick St Thomas, ON
Brad Russell Winnipeg, MB
Donna Williams Ottawa, ON
Simeon Roberts Lawrencetown, NS
Nancy Alexander Prince George, BC
Elise Pietroniro Saskatoon, SK
Bata Library-Trent Peterborough, ON
Michael Wood Aberdeen, UK
Bob Lincoln Winnipeg, MB
Ka-iu Fung Saskatoon, SK
Katherine Martin Maple Ridge, BC
Carol Robinson Toronto, ON
Robert Legg Prince George, BC
Scott Emmons Prince George, BC
Roberta Greenwood Port Coquitlam, BC
Tracey Lauriault Ottawa, ON
Elizabeth Hamilton Fredericton, NB

de la page 13

Je pense que l'Association canadienne de cartographie, le Canada et le monde ont eu la chance qu'un homme de l'envergure de Ray soit demeuré actif en cartographie. En ce début du nouveau millénaire, il est d'à propos de remettre le premier Prix de Distinction de l'ACC pour une contribution exceptionnelle en milieu scolaire, qui a œuvré pendant plus de cinquante ans dans le domaine et qui n'a pas seulement joué un rôle majeur dans les champs de la cartographie numérique et les SIG mais également qui a aussi permis de redéfinir la cartographie au Canada.

Félicitation Ray, c'est une récompense bien méritée.



Past-President's Report (1999-2000)

Roger Wheate

Elections 2000

The following ballot was prepared:

Vice-President: Christine Earl (Carleton), Ute Dymon (Kent State); *Map Use and Design IG:* Diane Lacasse (NRC Canada), Jean McKendry (Idaho State); *History of Cartography: IG* Harry Steward (Clark U.) [acclaimed]
[New executive is announced on page 4]

For the first time, according to the constitutional change approved at the AGM 1999, ballots were mailed to the Past-President in April (8 weeks ahead of the AGM). All electoral races ended in very close counts.

All candidates are applauded for standing.

Elections 2001

At the annual meeting, the following members agreed to stand for the nominating committee to prepare an election slate in 2001: Claire Gosson, Carolyn Weiss and Cliff Wood. The committee is chaired by the past-president. The membership is reminded that they can make suggestions to the nominating committee or present a nomination with the support of five (5) CCA members. The following positions are to be nominated and elected: **Vice-President** and the Interest Group chairpersons in **Map Production Technology**, **Cartographic Education** and **Analytical Cartography and GIS**.

Cartographica News

As the next issue of Cartographica is about to hit the presses—the first under my editorship—I would like to thank all of those who have contributed to this issue—the authors, the anonymous reviewers, the book review editors, the translators, the Press, my editorial assistants—without all of you, it would never have been possible. One of the major changes to the journal will actually be unseen by most of you—in cooperation with U of T Press, we have initiated an Author's contract. Contracts such as this are the norm, nowadays, and having one in place should clarify the roles that the Press and the Author play in the publication process. One of the conditions of the contract stipulates that the Press will provide to the Author final proofs of the article, and that the Author will be given a limited time within which to read, correct the proofs if necessary, and return them to the Press. While such arrangements are typically in place with other journals, this will be the first time that Cartographica has formalized them. It is hoped that, with these new guidelines in place, we will streamline the publication process. Don't forget to keep those articles, book reviews, and ideas coming!

Brian Klinkenberg
Cartographica Editor

The Canadian Cartographic Association L'Association canadienne de cartographie

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The CCA was founded in 1975 to promote interest and education in maps and cartographic data, and to provide for the exchange of ideas and information, at the regional, national, and international levels, via meetings and publications. Membership in the Canadian Cartographic Association is open to all individuals, and public and private institutions which have an interest in maps and the aims and objectives of the Association. Membership is available in the following categories at the annual rates listed below (\$CND):

Regular	\$80
Student	\$40
Institutional	\$100
Corporate	\$200
Family	\$95
Retired	\$40
Associate	\$40

To cover mailing costs US residents please add \$5 CDN and Overseas residents please add \$10 CND to the applicable membership category.

Members receive the quarterly journal *Cartographica*, published by the University of Toronto Press and endorsed as the journal of the CCA; four issues of *Cartouche*, the CCA newsletter and the International Cartographic Association Newsletter. The Association also provides an annual conference to promote discourse and access to a range of expertise through the interest groups and regional contacts.

For further information about membership qualifications and benefits contact the membership coordinator or any executive member or visit www.geog.ubc.ca/cca

L'ACC a été créé en 1975 pour promouvoir les intérêts et l'enseignement des cartes et de la cartographie ainsi que pour permettre l'échange d'idées, d'informations tant sur les plans régionaux que nationaux et ce via des bulletins et des conférences. L'adhésion à l'association est ouverte à tous les individus et institutions (privées et publiques) qui sont intéressés par les cartes et par les buts et objectifs de l'association. Vous pouvez adhérer dans les catégories suivantes selon les taux indiqués (cdn\$) dans la liste ci-dessous :

Régulier	\$80
Étudiant	\$40
Institutionnel	\$100
Société	\$200
Famille	\$95
à la retraite	\$40
Associé	\$40

Un montant de 5\$ (cdn\$) est ajouté pour couvrir les frais postaux aux membres américains (É-U) et de 10\$ (cdn\$) pour les membres outremer.

Les membres reçoivent la monographie trimestrielle *Cartographica*, publiée par le University Toronto Press; 4 numéros du bulletin de nouvelle *Cartouche* et le bulletin de nouvelle de l'Association cartographique internationale (ACI). L'Association organise également une rencontre annuelle avec des conférences qui donne accès à l'expertise issue des groupes d'intérêts et des diverses régions du pays.

Pour plus d'information concernant l'adhésion et les bénéfices de l'association, contactez le coordonnateur des adhésions ou l'un des membres de l'exécutif ou encore, visitez notre site Internet www.geog.ubc.ca/~cca.

