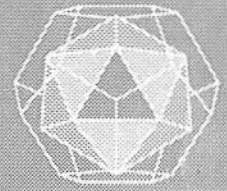


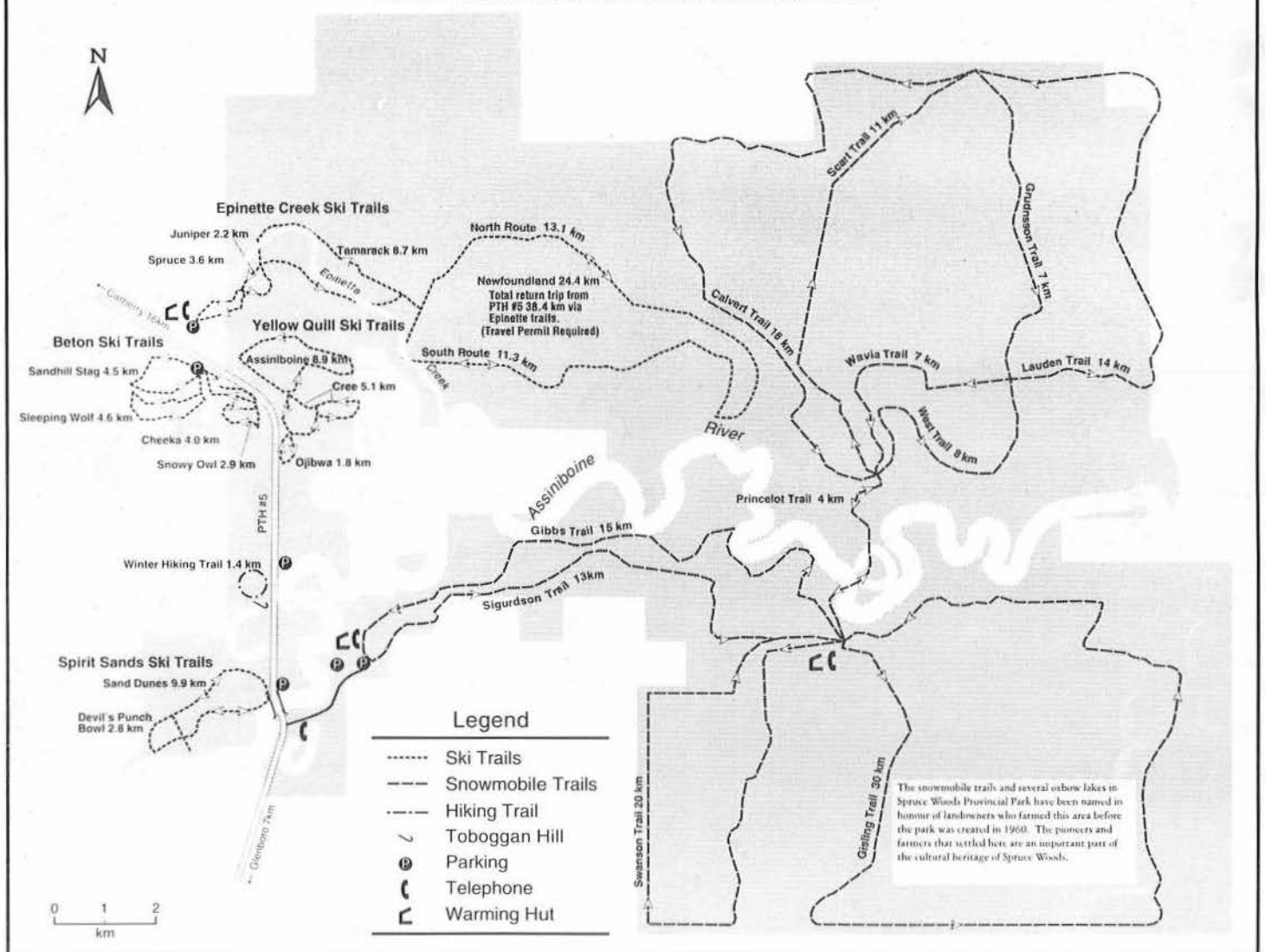
# Cartouche



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

Number 18, Summer, 1995  
 Numéro 18, été, 1995

## SPRUCE WOODS PROVINCIAL HERITAGE PARK WINTER RECREATION ACTIVITIES



This map showing winter recreation activity in Spruce Woods Provincial Heritage Park is the 1995 winner of the President's Prize Competition (Monochrome Map, Students in undergraduate programs). The map was drawn and submitted by Douglas Fast of the University of Winnipeg. *Carte gagnante du Prix du Président 1995 pour catégorie: Carte monochrome - étudiants dans des programmes sous-gradués. La carte conçue et réalisée par Douglas Fast de l'Université de Winnipeg montre les activités récréatives hivernales du parc Héritage provincial Spruce Wood.*

*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.

*Cartouche* est publié trimestriellement par l'Association canadienne de cartographie. N'hésitez pas à soumettre des articles que vous désirez publier dans le bulletin. Les articles et annonces soumis pour parution sont sujets à l'approbation de la rédaction. Veuillez les adresser à l'éditeur. Selon la politique en vigueur, l'éditeur publie en français et en anglais, l'éditorial ainsi que la description du processus de publication du bulletin. Le reste des articles paraîtront dans la langue dans laquelle ils ont été écrits. Bien que beaucoup d'efforts sont déployés en vue d'éviter de tels problèmes, l'éditeur ne sera pas tenu responsable des erreurs de compilation ou de la perte d'articles que leur seront soumis. Les opinions exprimées dans le cadre des éditoriaux, des articles et des lettres publiées dans le bulletin ne reflètent pas nécessairement celles de l'Association canadienne de cartographie. L'association canadienne de cartographie remercie vivement le Conseil de recherches en sciences humaines du Canada pour son apport financier.

**Editor / Éditeur:**  
Weldon Hiebert  
Department of Geography  
University of Winnipeg  
Winnipeg, Manitoba CANADA R3B 2E9  
Phone / Tél: (204) 786-9483  
Fax / Télécopieur: (204) 786-1824  
E-Mail / courr. élect: weldon.hiebert@uwinnipeg.ca

**Translation / traduction:**  
Michel Fournier  
Phone / Tél: (514) 272-0715  
Fax / Télécopieur: (514) 272-0715

**CCA Managerial Office / bureau central de l'ACC:**  
c/o Geography Department  
University of Calgary  
Calgary, Alberta, CANADA T2N 1N4  
Phone / Tél: (403) 220-5597  
Fax / Télécopieur: (403) 282-6561

**Membership lists / liste d'inscription:**  
Monika Rieger  
E-Mail / courr. élect: mkrieger@acs.ucalgary.ca

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**August 15, 1995**

La date limite pour la prochaine publication est:

**15 août, 1995**

## Carte énigmatique

La forme énigmatique de la dernière parution de *Cartouche* représentait la **Georgia et la Carolina du Sud** (États américains). **M. Mike Wilson** a été la première personne à identifier la forme énigmatique.

Juger par la réponse rapide à la forme énigmatique de la dernière parution, peut-être je vous sous-estimais. Donc, je vais augmenter l'enjeu en offrant un prix pour celui qui identifie cette forme énigmatique stimulante.

Encore une fois, cette forme peut représenter un lieu ou entité physique ou politique. La forme et son orientation ne sont pas altérées. La première personne à nous fournir la réponse correcte sera reconnue dans la prochaine parution de *Cartouche*. S'il-vous-plaît, envoyez vos réponses à l'éditeur (adresse en haut). L'identité de cette forme énigmatique sera révélé dans la prochaine parution.

## Rorschach's Map

Judging by the quick response to last issue's "blot", I am underestimating the talents of the membership. Therefore, I will up the ante and offer a prize for this challenging cartographic "blot."

Once again, this feature may be political or physical. The shape and orientation has not been altered. The first person to give us the correct answer will be acknowledged in the next issue of *Cartouche*. Please send your response to the editor (address above). The identity of this "blot" will be revealed in the next issue.

Congratulations to **Mike Wilson**, who was the first person to correctly identify the American states of **Georgia and South Carolina**.



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"You mean Cleveland High was named after a President? I always thought it was that city in Canada."

- Mildred Monroy, 16  
Grover Cleveland High School

This was the response of the Los Angeles area student when told of the origin of her school's namesake.

Source: Glionna, John M., "An Identity Problem," *Los Angeles Times*, February 13, 1995, page B1.



## President's Message / *mot du Président*

by/par Jan Mersey

### Highlights from Calgary

This year's CCA Annual Conference in Calgary, while not the largest in terms of number of registrants, provided an exceptionally stimulating and enjoyable program of both intellectual and recreational activities. The committee of local organizers, chaired by Michael Coulson, deserves our sincere thanks for orchestrating such a successful event. The smooth running of all the conference activities reflected the committee's careful and detailed planning.

Of the many interesting paper topics, none evoked greater passion than the opening session on data-sharing and the problems associated with the availability and accessibility of Canadian geographic information. Clearly, this issue is of great concern to our members. Many cartographers in industry and academia are finding their production, research, and educational activities hampered by the high cost and restrictive copyright and licensing policies of government-produced digital data. The CCA strongly supports the efforts of the ACMLA in bringing this matter to the attention of government officials. At our own executive meeting a committee, chaired by Carol Marley, was struck to further investigate actions the CCA may take to address this serious issue.

The well-attended Annual General Meeting dealt with matters old and new. Restructuring of the association's five interest groups to reflect changes in the field and to clarify the focus of each group, has been on the association's agenda for some time. It was decided to retain all five groups but to modify the names of two groups. The **Analytic Cartography and GIS Interest Group** (formerly Automated Cartography) will emphasize spatial analysis and GIS applications, while the **Map Production Technology Interest Group** (formerly Cartographic Technology) will deal with the design, construction, and printing of maps by both automated and manual means.

As a new item, the financial implications of SSHRC's cuts in funding to scholarly associations were discussed. For some time our association has depended upon annual funding from SSHRC to cover both general administrative expenses and travel costs. This assistance program is being phased out gradually over the next few years with 1997-98 being the final year of support. Although our association is presently in sound financial shape, we are concerned with maintaining a viable bank balance in the years to come. For the first time in five years a fee increase was approved. Beginning in 1996, regular membership will be \$80 annually (other membership categories will also increase).

The Calgary banquet continued the fine CCA tradition of combining great food (in this case barbecued steak) with enjoyable presentations, in a relaxed and friendly atmosphere. In his thoroughly entertaining speech, local historian Max Foran revealed the true origins of Calgary's "Cow Town" image. The Awards Ceremony which followed was greatly enriched by having so many of the award recipients present at the banquet (read more about this in the next issue of *Cartouche*). We were also delighted to have in attendance Past President and long-time CCA member Ray Boyle, and his wife, Grace.

The all day field trip to Banff was truly a memorable capping experience to a great conference. Both the weather and the scenery were unbeatable. Stops along the way to learn about controlling dust storms near Exshaw, and monitoring wildlife near Banff using GIS, were well prepared and informative but thinly disguised the true sight-seeing mission of our trip! One student on-board our van commented on how enjoyable it was to travel with geographers who could appreciate the drumlins, hoodoos, and alpine features observed along the route. Lunch was enjoyed atop Sulphur mountain (reached by gondola) while the afternoon was spent hiking or relaxing in the hot springs. An insightful commentary on the region's human and physical geography was provided en route by Iain Taylor, who also proved his worth by successfully predicting the location of a herd of bighorn sheep.

Calgary will be a hard act to follow. But I have no doubt that the Toronto organizing team, under the experienced guidance of Shelley Laskin, are up to the challenge. Mark these dates - **June 12 - 16, 1996** - in your calendar now, and keep reading *Cartouche* for further details. 🌐

#### In Memoriam:

It is with great sadness that we announce the passing of Marcia-Anne Faurer, 1994-95 President of the Canadian Cartographic Association, on June 4, 1995, after a brave battle with cancer. A tribute to Marci's numerous scholarly and professional contributions to cartography will be included in the next issue of *Cartouche*. Donations can be made in Marcia's name to the Canadian Cartographic Scholarship Fund, c/o Shelley Laskin, Treasurer, 664 Balliol Street, Toronto, Ontario M4S 1E7.

Nous avons le regret d'annoncer le décès de Marcia-Anne Faurer, survenue le 4 juin 1995 suite à un difficile combat avec le cancer. Marcia-Anne Faurer était la Présidente de l'Association canadienne de cartographie pour 1994-95. Lors du prochain numéro de *Cartouche* nous publierons un hommage sur carrière, ses contributions cartographiques tant en milieu scolaire que professionnelles. Vous pouvez faire parvenir vos dons au Fond canadien des bourses d'étude en cartographie, au nom de Marcia a/s Shelley Laskin, trésorière, 664 Balliol Street, Toronto, Ontario M4S 1E7.

## Welcome / Bienvenue

The Canadian Cartographic Association is pleased to welcome the following new members:

Dr. Doug Banting	Toronto, ON
Laura Beattie	Guelph, ON
Andrew Campbell	Scarborough, ON
Alex Cannon	Vancouver, BC
Ed Chart	Toronto, ON
Judith Chinn	Senneville, PQ
Michael Dickson	Ottawa, ON
Sarah Dunnewold	Lawrencetown, NS
Beverley Evans	Perryopolis, PA USA
Douglas Fast	Blumenort, MB
Rick Gray	Guelph, ON
Ron A Gullon	Mt. Uniacke, NS
Glen Hohlmann	Dollard Des Ormeaux, PQ
Heather Holden	Waterloo, ON
David L Jones	Edmonton, AB
Charlotte Koo	Mississauga, ON
Joseph A Morong	Prince George, BC
Dale Moulton	Carleton Place, ON
Chris Prenty	Guelph, ON
Edith Punt	Lawrencetown, NS
P Andrew Ray	London, ON
R Graydon	
Rockwell III	Kentville, NS
Xiaoping Shen	Ottawa, ON
Heather Stevens	Ottawa, ON
Jeff Thomas	Guelph, ON



## Interest Groups / Groupes d'intérêt

# Map Production Technology / Technologie de production cartographique

by / par Patricia Chalk

## Technology Interest Group Conference Session

Two papers were presented at the Technical Interest Group session entitled **Image Enhancement with Adobe Photoshop: Cartographic Applications**. David Mercer and Morrie Portnoff demonstrated image processing of IDRISI files and of aerial photography in Photoshop and their export for annotation in Adobe Illustrator.

From the Chair's perspective, the session achieved its primary objective - the sharing of useful technical information not only by those who presented material at the conference, but also by fellow members in the audience following the formal presentations. Everyone gained in the process.

Each year these technical sessions are well attended. They provide an excellent forum for the exchange of cartographic expertise between our membership and give us insight into the many areas of expertise that our cartographic colleagues have developed.

## Rubbersheeting or Orthorectification?

One of the inquiries at the technical session was whether Photoshop was a useful program for rubbersheeting an aerial photo image onto a map. No one present had used Photoshop for this purpose. Rather, it had been used for rescaling either scanned aerial photos or orthophoto images. Bernard Piché from the Southern Alberta Institute of Technology cautioned that rubber sheeting and orthorectification must not be considered synonymous terms. Bernard, following the conference, kindly provided the following information regarding these two terms to clarify this important point:

"A distinction should be made between rubber bending and orthorectification of a digital image. Rubber bending of a digital image only removes relief displacement at the points that were used as control. If the terrain is not flat, distortions will still be present at all points located at different elevations than the control points. The only true method of removing the relief displacement from a digital image is to produce a digital orthophoto."

To produce a digital orthophoto, a digital elevation model (DEM), camera calibration data, ground control coordinates of image points and a digitally scanned aerial photograph are needed. All the pixels of the digital orthophoto will have the true ground coordinates and match with the mapping data.

For more information, please contact Bernard Piché, at the Southern Alberta Institute of Technology (SAIT), Calgary, AB. SAIT has a 2-year diploma in **Surveying and Mapping** with an option specializing in topographical mapping with the use of Photogrammetry. Digital (soft copy) Photogrammetry is part of the curriculum. Bernard may be reached by phone at 403-284-8063 or by fax 403-284-8812.

What is your experience with rubber bending or orthorectification of digital images? Please forward your comments either to my successor in this position (and therefore, author of this column in the next issue) - David Mercer, or to the Editor of *Cartouche*. 🌐



# TECHNICAL TIP

BY DAVID MERCEA  
AND PATRICIA CHALK



## Creating Linear Scales Using Adobe Illustrator's Filters

Many drawing packages currently in use provide great versatility when used in cartographic applications. Cartographers are using skills and techniques developed in 'traditional' cartography while taking advantage of the tools and options available in digital drawing software. **Adobe Illustrator**, for example, has a number of filters that make some tasks much easier than before. Through our work in the Cartographic Section at the University of Western Ontario, we have discovered a couple of short cuts to use in creating linear scales. This technique takes advantage of many tools and filters available in Illustrator to make this task much easier. The following outlines a step by step method to construct the scale. We have assumed that the user is completely unfamiliar with the process. This process will provide the basic form of the scale bar that can be further customized so that it is more communicative and visually appealing. Please note: This technique is easier if working in preview mode

1) Start by drawing a line between two points of known distance. Alternatively, we can measure this distance from another map to calculate the appropriate scaling factor. For example, if we know that the distance between the two points is 520 km and the scale should be 500 km long, the scaling factor would be 96%.


2) Rotate the line to horizontal using the rotate tool. In Illustrator, select the **Rotate Tool**, click on one end of the line, grab the other end and rotate the line to horizontal. DO NOT do this with the selection tool. Grabbing one end of the line with the selection tool and rotating will cause the length of the line to change. Apply the scaling factor to make the line the desired length of the scale bar.

3) Draw a short tick for the scale and place it at the left end of the line. Select the line and the tick. Within

the **Filter Menu**, select **Objects - Align Objects** - left and bottom. Select the tick, copy and paste in front. Grab the tick and slide it to the right end of the line. Select the right-hand tick and the line, repeat the above alignment procedure for this tick, aligning it to the right. Select the number of divisions for the scale. Using the same copy and paste in front method, hold down the shift key and slide the appropriate number of ticks to anywhere on the line. The tick's placement along the line does not matter at this point and holding down the shift key will maintain the vertical alignment. Note: It is possible to use the **Apple/Option/Shift** shortcut to copy the ticks and drag them to their position.

4) Select all of the ticks, including the two at the ends. Within the **Filter Menu**, select **Objects**, then the **Distribute Horizontally** filter. This filter will distribute the ticks evenly along the line so that the divisions are even and the ticks perfectly placed. To change the number of divisions, ticks can be added or deleted and the filter applied again to rearrange the ticks.

5) The filters can also be used in a similar method to label the scale, but remember to align the labels by the centre. Labeling can also be done earlier when copying the ticks. When the first tick has been drawn, align the label over the tick and group the tick and the label. When copying and aligning the ticks, the labels will be properly placed. Once aligned, the labels can be easily edited or deleted accordingly. If deleting a label, be sure to use the **Direct Selection** (open arrow) tool so that only the label is selected and not the group of label and tick.

This is one way that we have found to make the construction of scales a little easier. Although this technique applies directly to Adobe Illustrator on the Macintosh, we hope that similar functions or techniques can be applied in other software being used. If anyone has found another way, or has found other shortcuts using their software - we would love to hear about it 

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# History of Cartography / *Histoire de la cartographie*

by/par Carol Marley

## Quote for the Quarter

"As powerful tools of persuasion in science and public affairs, maps have had a remarkable effect on our view of the world, our health, and the impact of our votes. At the root of their power is our frequently unquestioning acceptance of cartographic messages...the process of map-making requires cartographers to limit content in order to create a readable map and so allows them to manipulate their audience with information they choose to include. This combination of power and subjectivity has repeatedly put maps in the center of controversy...Militant informed skepticism is the citizen's best defense against cartographic harassment by bureaucrats or ideologues." *Drawing the Line: Tales of Maps and Cartocontroversy*. Mark Monmonier. New York: Henry Holt, 1995. ISBN 0-8050-2581-2. \$27 CAN. Published in Canada by Fitzhenry & Whiteside Ltd., 195 Allstate Parkway, Markham, Ontario L3R 4T8.

## Review of Recent Works and Events in the History of Cartography

This year saw the deaths of two major contributors to the field. The life of Dr. Helen Wallis, OBE, FSA (1924-1995), former head of the Map Library of the British Library, was celebrated by a volume of tributes to Dr. Wallis, *The Globe of My World*. It was to be distributed at a gathering at the Royal Geographical Society on Tuesday, May 9, 1995. For more information, please contact Tony Campbell, Map Library, The British Library, Great Russell Street, London WC1B 3DG, England, or e-mail: tony.campbell@bl.uk.

Clara Egli LeGear (1896-1994) was involved in every aspect of map librarianship and was author-compiler of volumes 5-9 of *A List of Geographical Atlases in the Library of Congress* (1958-1992). She was a founding member of the Geography and Map Division of the Special Libraries Association, the first such professional association organized by map librarians in the United States.

Should some of you be unaware of the recent journal on the history of cartography, *Cartographica Helvetica*, published by the working group of the Swiss Society of Cartography for communication between map collectors, researchers and dealers. It aims to provide information on every aspect of early maps, their history and production methods. Although the journal is a German language publication, with summaries in English and French, the subject matter is international in scope. Manuscripts are invited in German, English, French or Italian. The journal is published bi-annually. The first issue appeared in January 1990. ISSN 1015-8480. Subscrip-

tion rate \$38 Swiss Francs, postage included. For further information write to: Verlag Cartographica Helvetica, Untere Laegnmat 9, CH-3280 Murten/Switzerland. E-mail: kloeti@stub.unibe.ch.

We are pleased to hear of the formation of a new group, the **Boston Map Society**. A lecture by Bob Karrow of the Newberry Library, on the cartographic renaissance of the sixteenth century, was given at the inaugural meeting. Attendees then adjourned for a reception and exhibition of materials from the Harvard Map Collection. For further information contact: David Cobb, Harvard Map Collection, Tel: (617) 495-2417, Fax: (617) 496-0440.

A new microfiche collection has been published by MMF Publications, *Maps and Drawings of the Netherlands, Part I: Dutch Domestic Maps and Drawings, 16th-19th Centuries*. Covering the General State Archives' holdings of maps and drawings dating from around 1500 to the late 1800s, the collection consists of nearly 11,000 images. Many of the maps in the collection are manuscripts and have been published here for the first time. Finding aids such as inventories, indexes and a publisher's guide in English accompany the set. For a complete list of contents, and a price quote in U.S. dollars, contact the North American distributor, Norman Ross Publishing Inc., 330 West 58th St., New York, NY 10019. Tel: (212) 765-8200, (800) 648-8850. Fax: (212) 765-2393.

Some of you may already be aware of the *Atlas Collectus Series* through *Sebastian Munster's America: 1540, Basle*, published as a facsimile in 1992 (\$250 US) and *Ptolemy's World: 1482, Ulm*, published in facsimile in 1993 (\$500 US). The most recent addition to the series is Etzlaub's *Rom-Weg* (\$300). For more information about these high quality facsimiles contact: Dr. Zsolt Torok, Budapest, Hatar u 42, fsz.2, H-1192, Hungary. Fax: (36)-26-314-328.

Rideau Watch has published a series of heritage tours on cassette, produced with the assistance of the Canada Council's Exploration Program and the Ontario Heritage Foundation. The series consists of three tours, *Talking up the Ottawa*, *Talking up the Rideau*, and *Talking up the St. Lawrence*, (each \$18 CAN plus \$3 handling and mailing). Each tour is available on two 90-minute cassettes and will guide you along a specific waterway, providing road directions, and a history of the river and its communities. Contact: Rideau Watch, P.O. Box 196, Station B, Ottawa, Ontario K1S 2A7. Tel: (613) 236-2502.

For those of you Mac users, a Mac version of *Centennia*, formerly known as *Millennium*, is now available. A map-based guide of the history of Europe and the Middle East from 1000 AD to the present, the software is the equivalent to a dozen printed historical atlases, according to its marketers. Zoom in, look at text linked to maps for a historic overview, comb indexes of important people, places and events. The Mac version runs on any Apple Macintosh with System 7 or later. For IBM users, the program works on PCs with EGA or VGA graphics, 450 KB free RAM and 2.6 MB of hard disk space. The latest upgrade (version 1.22) includes enhanced printing capabilities. Grey scale maps look sharper, and the soft-

ware directly supports many of the new color printers. \$89 US plus shipping. Contact: Clockwork Software Inc., P.O. Box 148036, Chicago Illinois 60614. Tel: (312) 281-3132. E-mail: clockwk@Delphi.Com.

Look for the 8th edition of *Who's Who in the History of Cartography*, formerly the *Directory of Current Research*. Co-published by Map Collector Publications Ltd. and Imago Mundi, the directory will introduce a section providing basic information about our subject and how to get at it, including a listing of map societies. It can be ordered at the prepublication price of \$24 US by check or credit card from: Map Collector Publications Ltd., 48 High Street, Tring, Herts HP23 5BH, UK.

Just as the CCA is developing a WWW page, other organizations are also in the process of doing so. The Society of Cartographers, Glasgow, Scotland, is planning to list various cartographic organizations and create direct links to them, if these organizations also have a home page. Another Web site that is already up and may be of interest to our readers is the page for the Indiana Historical Society, URL <http://www.spcc.com/ihs.w.ihs.html>. The same page offers information on the Society's collections, exhibitions and publications. Another interesting home page is that of the Antiquarian Booksellers' Association of America, which allows you to search nearly 450 ABAA dealers, by speciality, and provides access to most on-line catalogues specializing in history, Americana and cartography. URL <http://www.rmharris.com/pub/abaa-booknet/>.

## Recent Publications

*Canadian Fire Insurance Plans in Ontario Collections, 1876-1973*. Occasional Papers of the Association of Canadian Maps Libraries and Archives. No. 5. \$22 CAN Available from: ACMLA, c/o Visual and Sound Archives Division, National Archives of Canada, 395 Wellington Street, Ottawa, Ontario K1A 0N3.

*Cartography in the Traditional East and Southeast Asian Societies*. The History of Cartography Series, Volume 2, Book 2. Edited by J.B. Harley and David Woodward. Chicago, Illinois: University of Chicago Press, 1995. \$195 US.

*Inventing Eastern Europe: The Map of Civilization on the Mind of the Enlightenment*. Larry Wolff. Palo Alto, California: Stanford University Press, 1994.

*Japan: A Cartographic Vision: European Printed Maps from the Early 16th to the 19th Century*. Edited by Lutz Walter. Munich, New York: Prestel Verlag, 1994.

*Joseph N. Nicollet's 1839 Manuscript Maps of the Missouri River and Upper Mississippi Basin*. Raymond W. Wood. Illinois State Museum. \$16.50 US.

*Mapping the Transmississippi West 1540-1861*. 1994 facsimile. \$650 US. Available from: Forian Shasky, Rare Books and Mss., 970 Terra Bella Ave., Suite One, Mountain View, CA 94043.

*Map Philosophy of J.B. Harley*. Trinity Papers on Geography. No. 6. Dublin: Department of Geography, Trinity College, Dublin. 1994. For copies of the publication or articles therein, please contact: Mrs. Eileen Russell, Department of Geography, Trinity College, Dublin.

*Maps and Africa: Proceedings of a Colloquium at the University of Aberdeen*. Edited by Jeffrey C. Stone, 1994. ISBN 0-9509989-66. 10 UK plus postage. Order from: J.C. Stone@abdu.ac.uk. For further details of contents write: The Directors, Aberdeen University African Studies Group, University of Aberdeen, AB9 2UF, Scotland.

*The World on Paper: A Celebration of the Mapmaker's Art*. Mead T. Cain. New York: Columbia University Libraries, 1994. \$20 US plus \$3 postage and handling. Prepayable by check to Columbia University. Request from: Rare books and Manuscript Library, Columbia University, Butler Library, 535 W 114th Street, New York, N.Y. 10027.

## Meetings, Conferences, Exhibitions

**The World on Paper: A Celebration of the Mapmaker's Art** (see immediately above), an exhibition, was held last Spring at the Columbia University Libraries. The exhibition catalogue, printed by Stinehour Press, is quite a lovely one according to Alice Hudson of the New York Public Library.

The Netherlands Association for Maritime History, in cooperation with the Netherlands Maritime Museum at Amsterdam and the Maritime Museum Prins Hendrik at Rotterdam, in association with the International Maritime Economic History Association, announce, **The Second International Congress of Maritime History**, Amsterdam and Rotterdam, June 5-8, 1996. The main theme of the conference is the evolution and revolution in the maritime world, 19th and 20th centuries, further subdivided into three themes. The theme of most probable interest to our readers is **Nautical Science and Cartography**, which encompasses new methods and techniques of navigation, the systematic charting of unknown waters and the consequences and spin off of new developments. Convenor: Willem F. J. Moerzer Bruyns. For more information contact: Mrs. Corrie Reinders Folmer, P.O. Box 102, 2350 AC Leiderdorp, The Netherlands.

**Cartographies**, a conference organized by Marie-Ange Brayer for the Academie Francaise a Rome, Villa Medici, took place on May 18-21, 1995. Papers explored the links between art and cartography, with a strong emphasis on contemporary art.

**Le Globe et son Image**, a conference accompanied by a special exhibition with a catalogue, was organized by Monique Pelletier and the Departement des Cartes et Plans, Bibliotheque Nationale de France, May 11, 1995.

For those fortunate enough to be in the United Kingdom this year, you may wish to attend the new series, **Oxford Seminars in Cartography**, at the Bodleian Library. Topics covered during 1994-95

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include estate maps of Oxford, to coincide with the publication of Dr. David Fletcher's book on that theme, Islamic celestial maps and the history of the hydrographic office. For next year's schedule, contact: Liz Beigent, St. Hughes College, Oxford. OX2 6LE.

Coming up soon is the **16th International Conference on the History of Cartography**, Vienna, September 11-16, 1995. Ed Dahl is organizing a session on the theory and history of cartography. For more information about the conference, contact: 16th International

Conference on the History of Cartography, Austrian National Library, Map Collection, A-1015 Wien, Josefplatz 1, Austria. Tel: (+431) 53-410-297. Fax: (+431) 53-410-319.

The **14th International Symposium**, International Map Collector's Society, will be held October 8-11, 1995, in association with the California Map Society, San Francisco. Contact: Alfred W. Newman, 1414 Mariposa St., Vallejo, CA 94590. Tel/Fax: (707) 642-9091. ☉

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## Map Use & Design / *Conception et utilization des cartes*

by / par Morrie Portnoff

The marketing of quality cartographic products is now available via the "electronic highway." **MAGELLAN Geographix** (Santa Barbara, CA), through Compuserve, has made their maps available to users of various cartographic levels and interests. When a user has a specific cartographic need (i.e., a basemap of British Columbia) they need only check the list of available maps by MAGELLAN. After finding a suitable map, it is downloaded from the MAGELLAN Geographix Compuserve forum (GO MAGELLAN).

MAGELLAN Geographix has three levels of cartographic products. The first level is **MAGELLAN Basic Maps**. These are available at no cost as they include their access in the basic services of Compuserve. Basic Maps are GIF images of the various continents and a monthly "specialty" map. The quality of these maps is adequate for general users. In fact, they are reminiscent of maps found in a general school atlas. Since the resolution of these maps is set at 72 DPI, their applications are limited.

The second level of maps is called **Maps of the World**. These are available free to users who have access to Compuserve's extended services. There are more than 600 maps in this series that are also GIF images. Due to the technical limitations of GIF imagery, the amount of cartographic detail portrayed is limited but their overall quality is high.

For the user who demands the highest quality and the ability to customize the downloaded map, then the third level of maps offered by MAGELLAN Geographix fits the bill. This series of maps is known as **MG Digital Atlas (MGDA)**. Maps found in this category are vector-based and are available for both the Mac and Windows (Freehand and Illustrator). Cartographic files are downloaded in a compressed format (.SEA for the Mac and .ZIP for IBM). The user can select and edit the various layers contained in the map. The range of cartographic topics is extensive, including every country in the world and many travel destinations. A typical map consists of

20 to 50 layers. After examining an MGDA map (a provincial map of British Columbia), it is evident they were created with great care. The B.C. map is replete with information including major settlements, roads, political boundaries, hydrology and National and Provincial parks. Although the map uses CMYK colours, they can easily revise it due to its well-organized layers. MGDA maps are charged on a per unit basis. Their actual cost varies with a map's complexity. However, the range is between \$50(US) and \$400(US), with the average cost around \$100(US).

Maps retrieved from MAGELLAN Geographix are copyright protected. However, the user has the right to manipulate the map for personal, educational and business purposes. Maps may also be published in products that can be sold and distributed providing the copyright designation remains on the map. Users are also free to edit the maps to suit their specific needs. It should be noted that maps may only be used on one computer at a time unless multiple licenses are obtained. This applies only to MG Digital Atlas maps.

MAGELLAN Geographix maps have found a myriad of users and applications ranging from educational to business users. *Newsweek* and the Associated Press have used these maps because of their timely depiction of world trouble spots.

Currently, MAGELLAN Geographix maps are only available through Compuserve or by calling MAGELLAN Geographix directly at (805) 685-3100, 1-800-929-4MAP (US only), or by Fax (805) 685-3330. In the future, access to MAGELLAN Geographix maps will be available via the Internet as they are presently developing their own WWW Home Page.

**Reference:** Conroy, Cathryn, *Top of the Charts*, in *Compuserve Magazine*, May 1995. A note of appreciation to Rick Wood of MAGELLAN Geographix for his assistance in the preparation of this article. ☉



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# Cartographic Education / *Éducation cartographique*

by / par Nigel Waters

This is my last contribution to *Cartouche* as Chair of the Education Interest Group and I thought that I would use the opportunity to reflect on the Annual Meeting held in Calgary, May 24-28. It was a small and friendly affair which, after the first couple of days, was blessed with glorious weather. Unlike conferences organized in the private and government sectors, it stretched over a weekend to take advantage of the lowest possible airfare costs. It continues to amaze me how the big GIS conferences are always organized midweek wasting taxpayers money (tax write-offs!). As a member of the organizing committee, this was a major concern to me.

Being on the organizing committee has its pluses and minuses. On the positive side you get to put in your two cents worth on how to structure the conference but then, when it takes place, you are often running around extinguishing fires instead of enjoying the various sessions. I felt that this was true of the panel session on GPS technology which included international experts in the field, among them Elizabeth Cannon from Geomatics Engineering at the University of Calgary who chaired the session.

From an educational perspective the two most interesting sessions for me were the Introductory Plenary Session on Data Sharing and the technical tours of Calgary firms specializing in Automated Cartography, GIS and Remote Sensing. These tours included such well known names as Hughes, QC Data, The Orthoshop, Itres Instruments Inc. and the City of Calgary's GeoProcessing Section and CalSIM project. Acting as the driver for one of these tours, I was delighted to find that many students from my own University's GIS and Cartography programmes had found gainful employment with these organizations. It was a pleasant silver lining to an otherwise gloomy employment picture.

The panel discussion on data sharing included Sharon Neary, from the University of Calgary, John Lethaby from the City of Calgary, Stephen Lougheed from QC Data, and Mike Twomey from the Alberta Provincial Mapping Group. When asking these speakers to participate in the session, I had wanted to include individuals representing the private sector, academia, and the three primary levels of government, municipal, provincial and federal. Data sharing is a topic about which I feel very strongly. I am adamantly opposed to any government policy based on cost recovery and have written about this topic on a number of occasions in *GIS World*. The ideal approach to me has always been the American idea of not making the taxpayer pay twice for their own data. Sadly the Canadian Federal Government (and many others around the world) has moved steadily toward a user pay policy. For this reason, I was disappointed when I was unable to persuade a Federal employee to come out and defend their draconian policy.

Sharon Neary, who is also a member of the Canadian Association of Public Data Users (CAPDU) began the session with a forthright

and eloquent presentation declaring that Canada has no model of data sharing but instead has a model of data selling, to a well-heeled elite. She declared that a national educational and cultural resource (the Census Data hoarded by Statistics Canada) was not being exploited as fully as it might be. University and other libraries had formed an association in 1989, the Canadian Association of Research Libraries (CARL), just so that they could come up with the \$200,00 that Statistics Canada demanded for the 1986 Census Data. CAPDU, CARL, SSHRC, and other organizations are now embarking on a data liberation initiative to make Census Data and other related information available for research and teaching purposes.

John Lethaby from the City of Calgary Spatial Information Management (CalSIM) also talked about data sharing. I had great hopes that the City of Calgary was moving toward a more enlightened goal of making information available to the research and other communities as opposed to their past practice of making the user pay through the nose for data that belongs to the citizens of Calgary. Alas I was sadly mistaken, what John had come to talk about was how they were sharing data between City Departments—a noble goal but one which stopped short of making this information available outside the City Government.

Stephen Lougheed, the Executive vice-president of QC Data, provided a ray of hope in these dismal prospects for data sharing that had so far been the main topic of debate. He talked about an Information Utility. Yes, this is what I had come to hear. He praised the four As, stating that information should be available, accessible, accurate and affordable. He wanted the Information Utility to be nonpartisan, independent and impartial. But there were problems, a new business model was required, new business-industry structures and new legal solutions for such issues as intellectual property. This was no pie-in-the-sky talk, for Stephen described how QC Data had taken a big step down this Information Highway which made data that was originally proprietary to individual firms available to all firms in the sector. The Common Industry Data Access Initiative (CIDAI) was being implemented in the UK also by QC Data to provide a common infrastructure for firms in that country to eliminate redundancy of information and to reduce costs.

Mike Twomey, from the Alberta Government took a seven year old list of data sharing requirements and demonstrated how we had made progress in some areas but not in others. He was able to show that in the intervening years from when he had first presented the list, great progress had been made on such technical issues as data exchange formats, standards, generalization processes and so on. But far less progress had been made on the topics of administrative control and regulatory reform. With respect to the question of cost—well there the costs were increasing and of course from my perspective we may be heading in exactly the opposite of the desired direction.

As is usually the case with these conference panel sessions many issues were not resolved but there did appear to be progress on the various technical problems while the management issues were still as far from being resolved as ever.

See you in Toronto in '96. ☉



## Cartographica Report

by Michael Coulson

It is pleasant duty to report when you have recently received two issues. What is more important, however, is that work is well in hand on the next several issues. I would hope that Vol. 32 #s 1 and 2, will be to the press by the end of September and issue three before Christmas. That would represent a substantial move to be on schedule for publication by the end of 1996. That is the good news, though today we are almost one year behind in placing the journal in your hands. The many issues yet to be published provide an excellent opportunity to authors to move quickly to publication, although quality will not be sacrificed and I am receiving good support from referees in evaluating manuscripts and returning them within the requested deadlines.

My immediate concern is Volume 31 issue 4. This will now contain, *Official Geography and the Creation of Canada*, by Iain Taylor; *A Conceptual Model of GIS*, by Albert Giordano, Howard Veregin, Edward Borak and David Lanter; *A Case of Modernism in Cartography: the Peter's Projection*, by Jeremy Crampton and *Colour Detection on Bivariate Choropleth Maps: the Visual Search Process*, by Elizabeth Nelson, plus commentary and reviews. The material is with the Copy Editor and authors should see the proofs soon after you receive this. The actual publication depends upon printing schedules at the press, but should follow soon after.

The actual 1995 issues are slowly falling in to place with the present plan calling for number one to be a monograph and number two to be a selection of papers. Both are available only in part as I write this, so that I will not include details. However, as soon as materials are complete for one of the issues, I will proceed.

Meanwhile a number of manuscripts out with referees, are being revised by authors and in the case of three, have been promised. No fewer than seven monograph issues have been promised and are in some stage of preparation. I will be more specific when I have the final, publishable versions.

In my next column I am hoping to sketch out future issues in more detail, but before you see that, I expect you to have received issue four. 🌐

## The Englishman's Fatal Flaw

by Alun Hughes

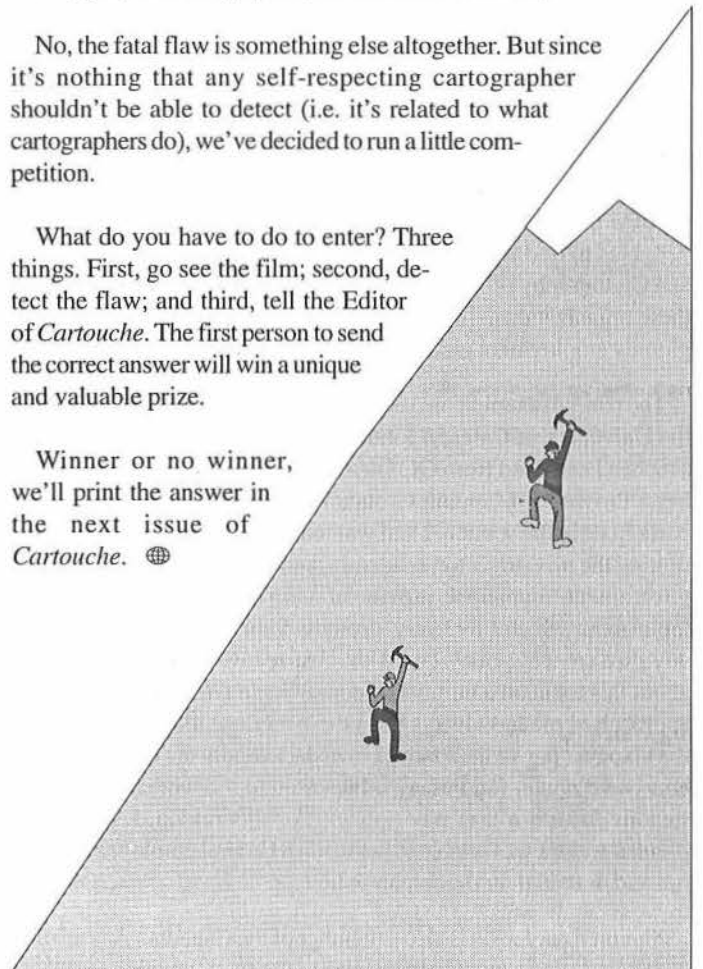
When two English surveyors measure the height of an eminence near Ffynnon Garw, a remote village in Wales, and conclude that since it is less than 1000 feet it ranks as a hill and not a mountain, the locals are very upset, so upset that they decide to do something about it. That, in essence, is the plot of *The Englishman Who Went Up A Hill And Came Down A Mountain*, a film currently making the rounds of the movie theatres. It's a nice evening's entertainment, especially if you like gentle humour of the feel-good genre (not to mention map-making), and I recommend it.

But... it contains one fatal flaw. No, it's not the fact that the variety of Welsh accents in this tiny village confounds the realities of linguistic geography. Nor is it the fact that the character played by Hugh Grant, the archetypal oh-so-nice, readily flustered Englishman with a cute smile, becomes profoundly irritating after less than five minutes (in my opinion anyway). Nor even is it the fact that the main female character, supposedly a Welsh girl, is played by an actress whose accent betrays her foreign origin (tell me, does cultural appropriation apply only to visible minorities?).

No, the fatal flaw is something else altogether. But since it's nothing that any self-respecting cartographer shouldn't be able to detect (i.e. it's related to what cartographers do), we've decided to run a little competition.

What do you have to do to enter? Three things. First, go see the film; second, detect the flaw; and third, tell the Editor of *Cartouche*. The first person to send the correct answer will win a unique and valuable prize.

Winner or no winner, we'll print the answer in the next issue of *Cartouche*. 🌐



# The 1995 CCA Annual Conference: the best ever!!

by Roger Wheate

*Since I originally volunteered the University of Calgary to host the 1995 annual conference and then left that institution prior to the meeting organisation, I feel I can give a completely unbiased account of the meeting.*

Delegates arriving early in Canada's finest city were treated to a fine example of Calgary's beautiful climate: a snowstorm in late May. The flurries cleared to reveal the spectacular site of the shining Rocky Mountains, looking bigger than ever, magnified by the fresh snow. This reminded Montrealers that although they have a nice wee hill in their city, that's all it is.

The meeting was a relatively small one with about 50 attendees, but this led to some advantages. A lack of concurrent sessions prevented fragmentation and need to choose different sessions and added to the convivial atmosphere. The sessions saw a balanced mixture of papers and workshops concerning cartography, GIS and remote sensing, represented by educators, government agencies and independent map producers.

Displays and poster sessions filled the exhibits room, with the usual strong showing from COGS and Sir Sandford Fleming and informative presentations by the Geologic Survey of Canada, the National Atlas and the University of Alberta, courtesy of Ron Eyton and busload of keen students. As an aside, the merging of the Geography and Geology departments in Edmonton and Ron's imminent departure to Texas represents the final chapter in what ten years ago, was the only university degree program in Cartography in Canada.

Max Foran (Calgary writer and historian) gave us an entertaining perspective on the uniqueness of Calgarians and their tendency to label their city with superlatives (all justified in my unbiased opinion).

The CCA conference is always enjoyed by those able and fortunate to attend. We all enjoy the conviviality compared to the larger 'trade show' type meetings. I always come away invigorated both by the camaraderie and also the conviction that while the 'mapping sciences' have become much more popular over the last two decades with the growth of GIS, GPS, environmental management and remote sensing, it is Cartography that is the 'glue' that holds them all together. Indeed GIS could better be described as 'analytical cartography' and remote sensing as 'raster cartography'.

Immediately following the last session: an excellent panel on GPS, citing examples as diverse as monitoring wildlife and the progress of golfing carts, most of the attendees were bused up to Nose Hill Park, the largest city park in Canada (and the best in my unbiased opinion) to partake in the first (annual?) CCA orienteering event. Most of the group proved they could read maps as well as make them, though some of our southerly members

were clearly confused by our high latitude causing the sun to set in the north-west instead of west. Our thanks to Diana Hocking for a superb idea, which we hope can be repeated in Toronto, 1996. In the final event of the meeting, following a tour of the Bow Valley and Banff National Park GIS program, we ascended from 4000 feet on Nose Hill to almost double that height on Sulphur Mountain, Banff. This could be hard to top next year, but I'd encourage all CCA members to mark down the 1996 meeting in Toronto to see.



Sulphur Mountain (elev. 7500 ft.): the "highlight" of the Calgary AGM.



# First Annual CCA Orienteering Event: Nose Hill, Calgary, May 27, 1995

by Diane Hocking

Nearly half the total attendees rounded off the Calgary Conference with an outing to Nose Hill, Canada's largest municipal park. Roger Wheate, former president of Friends of Nose Hill, showed us glacial erratics from Jasper, well-hidden evidence of tipi rings, and told us why the gophers have virtually disappeared from the Hill (now that the prairie grasses are no longer cut, they prefer the security of longer views from manicured city lawns). We enjoyed wildflowers galore, including the elegant prairie crocus, and magnificent wide views of the Rockies on the horizon.

After a short introduction to the sport by Diana Hocking, almost everyone chose to take part in the competitive orienteering event, which made use of a fixed course set up by the Foothills Wanderers O Club. Results follow. The heat, distracting views of mountains and city, steep climb at the start, advanced age, and delays posing for action pictures en route, were all dismissed as allowable excuses for less than perfect performances. At least everyone finished the course, no one got totally lost, and there were no life-threatening injuries.

Awards were presented to the fastest female (Laura Beattie, of Guelph), fastest male (Peter Keller, Victoria), and furthest travellers (the Dymons - Ute will have to learn NOT to follow Mike everywhere, especially when he is obviously headed north, not south).

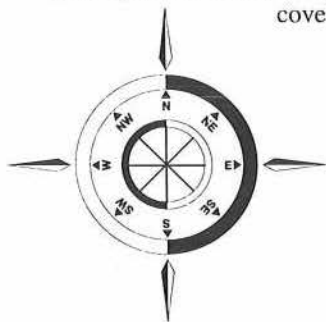
The challenge now is to find a suitable site for the 2nd Annual CCA O Event - there are not too many big parks in central Toronto. Those wanting to practise for the event could connect with their local O club by contacting the Canadian O Federation: Colin Kirk,

1600 James Naismith Drive, Suite 208, Gloucester, Ont. K1B 5N4.  
Phone (613)748-5649, fax (613) 742-5402.

## Results:

<b>Peter Keller</b>	29:51 minutes
<b>Laura Beattie</b>	35:34
<b>Rick Gray</b>	35:52
<b>Alun Hughes</b>	38:25
<b>Chris Prenty</b>	44:20
<b>Gordon Shields</b>	44:43
<b>"The Wart-hogs"</b>	46:00
Gary McManus	
David Mercer	
Dale Moulton	
Morrie Portnoff	
<b>Josef Morong</b>	47:17
<b>"Erin Carriers"</b>	49:13
Lee Thompson	
Al Hough	
<b>"Prairie Rattlers"</b>	56:10
Patricia (Diamondback) Chalk	
Weldon (Sidewinder) Hiebert	
<b>Rob Rietveld</b>	61:10
<b>"Three Musketeers"</b>	64:00
Michael Coulson	
Claire Gosson	
Carol Marley	
<b>Ute and Mike Dymon</b>	73:40

Participants of the first annual orienteering competition.  
(more photos on inside back cover)



# The 1995 CCA Conference in Calgary: A Student's Perspective

by Chris Prenty

There are several components of the conference that I feel require some comment. These include the Poster Session, the Paper Information Sessions, the AGM, the banquet and last but not least, the field trips and technical tours.

First, the poster session was an eye opening experience for me in terms of the various forms of cartographic expression. There were many posters at the conference, some of which I thought were phenomenal. Being someone who spent many hours on a poster, I can appreciate the blood, sweat, tears and frustrations which one experiences when completing a project. Not only were the entries interesting and based on some creative topics, but the outputs were of superb quality.

Secondly, the paper/information sessions were more than their names imply. Many of these talks and presentations introduced me to new areas of information and knowledge. Although attending all the sessions was not possible, I was able to learn a great deal. I would like to express my gratitude to all who presented papers. It was a job well done. The sessions which still stand out in my mind include the Data Sharing, GPS, National Atlas, and the G-Tutor.

The General Meeting was above all else, a learning experience. Overall, it was a new experience for me. Perhaps what I enjoyed most about the AGM was the fact that I can raise issues that are important to me. My main concern is the need for more student awareness of the CCA at the Post Secondary School level. This was discussed and dealt with by the membership, as were other issues. I would hope that next year there is a greater turn out, so more people can have their say, as I did.

The banquet was an evening mixed with business and pleasure. The food was good, and the company was even better. There were several awards given out, unfortunately none to me, but it was still an interesting dinner. Congratulations to all those who received awards, particularly to fellow students Laura Beattie (University of Guelph), and Edith Punt (COGS) on their scholarships.

The Field Trips to Nose Hill and Banff, and the technical visits were loads of fun and informative. These trips were also a time to interact in a relaxed social atmosphere. I would have to say that I enjoyed these the most because of the social interactions and conversations I had with a variety of people.

I would personally like to thank everyone who attended for not only welcoming me to the CCA, but also including me in your various groups and activities throughout the conference. The Calgary AGM was an enjoyable experience for me, one that will be very hard to follow, you should all know who you are. I will be much better at pool in Toronto, so I will see you there!

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

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

*Félicitations aux étudiants récipiendaires des prix du Président accordés lors de l'Assemblée annuelle de l'Association canadienne de cartographie tenue à Calgary.*

MONOCHROME MAP (undergraduate)  
*CARTE MONOCHROME (sous-gradués):*  
**Douglas Fast**, University of Winnipeg,  
**Spruce Woods Provincial Heritage Park:  
Winter Recreation Activities**

MONOCHROME MAP (Graduate or College)  
*CARTE MONOCHROME (gradués ou collégiaux):*  
**Shelly R.L. Simpson and Sarah H. Dunnewold**,  
College of Geographical Sciences,  
**The Annapolis Watershed Atlas**

COLOUR MAP (Undergraduate)  
*CARTE EN COULEUR (sous-gradués):*  
**Chantale Doucet et Katia Kurtness**,  
Université du Québec à Chicoutimi,  
**Les Tueurs et Les Victimes**

COLOUR MAP (Graduate or College)  
*CARTE EN COULEUR (gradués ou collégiaux):*  
**Mark Denil**,  
College of Geographical Sciences,  
**Afanasy Nikitin's Voyage Beyond  
Three Seas**

JOURNALISTIC MAP  
*CARTE JOURNALISTIQUE:*  
**Christopher Edmonstone**, Brock University,  
**What's the Best City in Metro for You?**

**Martin Dion et Nelson Gagne**,  
Université du Québec à Chicoutimi,  
**Le Super Bowl: Un Classique**

**David Malthouse**, University of Calgary,  
**1995 Federal Budget Shuffle**

BEST STUDENT PAPER  
*CONFÉRENCE PRÉSENTÉE PAR  
UN ÉTUDIANT:*  
**Glen Hohlmann**, Concordia University,  
**Communicating Information Using  
Two-Variable Colour Choropleth Maps**

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# CIG Committee Annual Report

## June 1994 to May 1995

### Chairperson:

**R.N. Drummond**, McGill University  
(Canadian Institute of Geomatics)

### Members:

- **Alberta Wood**, Memorial University  
(Association of Canadian Map Libraries and Archives)
- **Clifford Wood**, Memorial University  
(Canadian Institute of Geomatics)
- **David Douglas**, University of Ottawa
- **Roger Gauthier**, Carto-Québec,  
Association Québécoise de Cartographie
- **C. Peter Keller**, University of Victoria  
(Pacific Institute of Cartographers Society)
- **Claudette Leblanc**, Oceans Institute of Canada  
(Canadian Cartographic Association)

### Committee Activities

The work of the Cartography Committee is closely connected to and mainly concerned with the activities of the Canadian National Committee (CNC) for the International Cartographic Association (ICA). The membership is, in fact, identical and the mandates are intertwined. Two reports of CNC activity were recently published in *Geomatica*: Vol. 48, No. 4, Autumn 1994, p. 335 and Vol. 49, No. 1, Winter 1995, p. 58-59. In fact the whole of the latter volume is the main report of Canadian cartographic activity from 1991 to 1995 and constitutes Canada's quadrennial report to ICA. Edited by Neil Grant, with Norman Drummond as guest editor, it will be presented to National delegations attending the 10th General Assembly of ICA in Barcelona in September 1995. It contains technical articles on many aspects of cartography as well as book reviews and reports on mapping activities of professional associations and government and private cartographic organizations. Many authors contributed to supply a vast array of detailed information. From the above published reports several highlights for June 1994 to May 1995 may be noted.

A major CNC meeting was held in Ottawa on Aug. 12, 1994 in conjunction with the joint annual meetings of the Canadian Cartographic Association and NACIS, the North American Cartographic Information Society and the Symposium on Map Design organized by the CIG. Two committees were formed to represent Canada at the Cartographic Conference in Barcelona. One, led by Norman Drummond, to deal with the regular ICA business and two, led by Hugh O'Donnell to prepare and present Canada's bid to host the ICA in Ottawa in 1999.

The "regular" committee supported or coordinated several contributions in preparation for the Conference. Technical papers for oral presentation at Barcelona have been submitted by various individuals directly to the conference organizers. The National exhibit of maps and atlases, over 90 items, was organized by Claire Gosson, Iain Taylor, Heather Stevens and others from Geomatics Canada and the National Archives. Proposals to continue and expand the work of the Task Force on Gender in Cartography and to form a new group on Children and Cartography have been submitted to the ICA executive. Canadian school children from 16 schools across Canada submitted 220 entries in the second ICA Barbara Petchenik Prize for the World Map Competition for students under 16 years of age. The committee, led by J. Anderson, has forwarded the 5 top entries to the Barcelona finals. Each of the Canadian winners received a certificate and a \$25 prize sponsored by Carto-Quebec and the Canadian Cartographic Association.

The Cartography Committee, through the CIG central office, organized the advertising and judging for the J.M. Ellis and Intergraph Awards. It was noted that the number of entries is smaller than the potential would suggest.

### Committee Expenses for Period 1995-1996

Postage, Xerox, phone	\$150
UNICEF Children's Map Contest for ICA	\$200
Travel, Montreal - Ottawa	\$400

Funding for Canadian members on ICA commissions remains a subject of contention, disappointment and concern.

### Proposed Strategies, Objectives and Initiatives for 1995-96

- a) Prepare for business meeting at General Assembly in Barcelona, Sept. 1995.
- b) Cooperate with H. O'Donnell's Bid committee to host the ICA 1999 meeting and with the 1999 Conference Director, David Carney. This committee will be hosting the ICA executive on a site visit to Ottawa in June 1995.
- c) Review Canadian membership and participation in ICA working Groups and Commissions.
- d) CNC members participate in the annual general meetings of the various cartographic associations: Carto-Quebec, Hull; ACMLA, Vancouver; CCA, Calgary all in May and CIG, Ottawa, in June 1995.



July 25 - August 1, 1995 /  
25 juillet - 1 août 1995

**Cambridge Conference for National  
Mapping Organisations**  
Cambridge, U.K.

Contact / communiquer avec:  
David A. Wallis  
Tel / fax: 44 (181) 657 5876  
Tél / téléc: 44 (181) 657 5876

September 3-9 septembre 1995  
**17th International Cartographic  
Conference**

**10th General Assembly of IGA  
17<sup>e</sup> Conférence cartographique  
internationale**

**10<sup>e</sup> Assemblée générale de l'ACI**  
Barcelona, Spain  
Contact / communiquer avec:  
Jaume Miranda i Canals  
Tel / tél: 34 3/218 87 588  
Fax / téléc: 34 3/218 89 59

September 14-17 septembre 1995  
**Annual Technical Symposium of the British  
Cartographic Society**  
Somerset, U.K.

Contact / communiquer avec:  
William B. Salmon  
Tel / tél: 44 (823) 337900 ext 3261

November 9-10 novembre 1995  
**Géomatique V / Geomatics V**  
Montréal, Québec  
pour renseignements: (514) 463-2988

April 9-13 avril 1996  
**American Association of Geographers**  
Charlotte, NC, U.S.A  
For information / pour renseignements:  
Tel / tél: (202) 234-1450  
Fax / téléc: (202) 234-2744

June 12-16 juin 1996  
**Canadian Cartographic Association /  
Association canadienne de cartographie**  
Toronto, Ontario  
Contact / communiquer avec:  
Shelley Laskin  
Tel / tél: (416) 481-9513  
Fax / téléc: (416) 481-0552  
E-mail / Cour. élect: shelley@io.org

## First GIS Class Begins Work Term

The first group of students in the new **Advanced Diploma Program in Geographic Information Systems (GIS) Technology** at the College of New Caledonia, in Prince George, British Columbia have just completed their first of two semesters of instruction and now begin a summer work term.

The Advanced Diploma Program, which began in January 1995, is designed to give students — with backgrounds in such fields as surveying, engineering, computing, geography, geology, planning, and forestry — a comprehensive education and training in the development and application of GIS technology.

Half of the students are taking the Co-op route where they will gain valuable paid GIS-related work experience, starting in May, before returning to classes for the second and final semester in September. "The response from industry has been extremely encouraging," said Allena Standish, Co-op Co-ordinator, regarding the number of job postings and the higher-than-average wages.

GIS technology comprises computer-based tools for gathering, managing, analyzing, and communicating geographically-referenced information — in other words, sophisticated mapping and modelling — and is used by a growing number of professionals and technicians.

"The first semester has been remarkably successful, considering the teething problems one normally expects from a brand-new programme," said Alistair McVey, Chair of the Division of Science and Technologies where the Programme is housed.

For further information contact:  
Cliff Raphael, Programme Co-ordinator  
College of New Caledonia  
Prince George, B.C. V2N 1P8  
tel: (604) 561-5830 fax: (604) 561-5832  
e-mail: raphael@cnc.bc.ca

**The Official Politically Correct Dictionary and Handbook** defines the Middle East as "an artificial construct of Eurocentric nineteenth century geographers who, willing to go to any length to avoid the unpleasant admission that Africans built the pyramids and the Sphinx, found a way of 'stealing' Egypt from the continent in which any map clearly shows it belongs."

Source: Beard, Henry and Cerf, Christopher, **The Official Politically Correct Dictionary and Handbook**, New York: Villard Books, 1993, page 122.

## 1996 Elections to the CCA Executive Committee

The Nominating Committee of the Canadian Cartographic Association seeks the names of suitable persons to stand for election to the Executive Committee. The following three positions are to be filled at the Annual General Meeting in Toronto in June, 1996:

- Vice President (1 year term)
- Chair, History Interest Group (2 years)
- Chair, Map Use and Design Interest Group (2 years)

The quality of the Executive Committee is crucial to the success of the association. If you know of someone who would serve us well, please submit his or her name for consideration by the Nominating Committee. Or, if you feel that you yourself have a role to play, feel free to forward your own name.

Send your suggestions for candidates by September 1 to:

Alun Hughes, Chair, Nominating Committee,  
Department of Geography, Brock University,  
St. Catharines, Ontario, Canada, L2S 3A1

Tel: (905) 688-5550, ext 3489  
Fax: (905) 688-6369  
Email: ahughes@spartan.ac.brocku.ca

The other members of the Nominating Committee are Patricia Chalk, Roger Wheate and Lee Thomson. The Committee will present its slate of candidates in *Cartouche* #20, due for publication in December, at which time further nominations may be submitted by members. The final list of candidates, together with candidate profiles and a ballot form, will appear in *Cartouche* #21, which you should receive in March.

### Results of the 1995-96 Election to the CCA Executive

Congratulations to the following CCA members who were elected to the 1995-96 CCA executive:

Vice President: **Gary McManus**  
Chair, Map Production Technology Interest Group:  
**David J. Mercer**  
Chair, Analytical Cartography and GIS Interest Group:  
**Douglas Banting**  
Chair, Education Interest Group: **John Belbin**

We can look forward to their contributions in *Cartouche* starting with the next issue.

## Élections au comité exécutif de l'ACC 1996

Le comité de candidature de l'ACC est à la recherche de membres éligibles pour occuper les postes ci-dessous de l'Exécutif. Ces postes seront à combler lors de l'Assemblée générale annuelle qui se tiendra à Toronto au mois de juin 1996:

- vice-Président (mandat 1 an)
- Président du groupe d'intérêt sur la Histoire (mandat 2 ans)
- Président du groupe d'intérêt sur la Conception et l'utilisation des cartes (mandat 2 ans)

La qualité des membres de l'Exécutif est un atout primordial pour le rayonnement de l'Association. Si vous connaissez une personne qui pourrait apporter une contribution appréciable à l'Association ou si vous vous sentez apte à remplir l'un de ces postes, faites parvenir vos mises en candidature au Comité d'ici le 1 septembre 1995 à:

Alun Hughes, Président du comité de candidature  
Département de géographie, Brock University  
St. Catharines, Ontario  
Canada L2S 3A1

Téléphone: (905) 688-5550, poste 3489  
Télécopieur: (905) 688-6369  
E-mail: ahughes@spartan.ac.brocku.ca

Les membres du comité de candidature sont Alun Hughes, Patricia Chalk, Roger Wheate, et Lee Thomson. Le comité publiera la liste préliminaire des candidats dans le numéro 20 de la revue *Cartouche* (décembre 1995). La liste finale des candidats ainsi que leur curriculum vitae et les bulletins de vote seront fournis dans le numéro 21 de la revue *Cartouche* (mars 1996).

### Résultat de l'élection au comité exécutif de l'ACC

Félicitations aux membres de l'ACC suivants qui ont été à l'exécutif de l'ACC 1995-96:

vice-Président: **Gary McManus**  
Président du groupe d'intérêt sur la Technologie de production cartographique: **David J. Mercer**  
Président du groupe d'intérêt sur la Cartographie analytique et SIG: **Douglas Banting**  
Président du groupe d'intérêt sur l'Éducation: **John Belbin**

Nous publierons un résumé de leurs contributions dans les prochains numéros de *Cartouche*.





## TNTmips® 5.0 Shipped

MicroImages announces shipment of version 5.0 of **TNTmips®** (the Map and Image Processing System), **TNTview™**, and **TNTatlas™** to all clients in April. Significant new features in this 35th consecutive, quarterly release of the TNT products include an advanced raster data storage structure that provides the fastest remote sensing image display commercially available for any computer platform. Large rasters (>400Mb) can be displayed with any scale, rotation, or map projection in less than five seconds if gray scale and in an average of eight to ten seconds if rendered in color from even scaled so that the entire image fits on your screen. Not only is this new structure backward compatible, but previously existing rasters can be easily modified to take full advantage of this new feature.

All TNT products are now available for the Apple Macintosh with a native version for the PowerMac, which brings the number of actively supported computer platforms to 13. Tests with the current beta version of Microsoft Windows 95 indicate that V5.00 TNT products require no modifications for use with Windows 95.

Direct visualization of color stereo images with any available stereoscope or other mechanical viewing aid is now standard and includes scrolling, panning, zooming, and related actions during which stereo fusion is automatically maintained. Direct color displays of multiple raster components can now be generated with color models other than RGB including HIS, HBS, RGBI, and RGBB. Additional advanced features introduced in V5.00 include a news measurement tool that displays a profile and its complex statistical properties for any line, circle, or polygon drawn over any object type.

An advanced interactive object editor was introduced for integrated editing with combinations of image (rasters), vector (topological), CAD (nontopological), TIN, and relational database objects. A new vector filtering process automatically locates and repairs topological artifacts, such as sliver polygons, overshoots, and dense lines. Tin objects can be created from DEMs. Two additional legend types (color spread and color class) are available for inclusion in complex map layouts for viewing or printing in color. A new spatial filter improves the apparent resolution of color images. Toolbars with color icons for commonly used actions are now part of the TNT products' interface. Icon actions (for example, Open, Straighten Line, Zoom 4X, Copy Element) are identified by ToolTips, which are exposed whenever the cursor lingers over an icon. Interactive advisory windows have also been introduced to provide guidance on alternate and better ways of proceeding with a current activity.

For more information, contact:

MicroImages, Inc.  
201 North 8th Street  
Lincoln, Nebraska U.S.A. 68508-1347  
Telephone: (402) 477-9554  
Fax: (402) 477-9559

MicroImages trademarked line of products includes TNTmips®, the Map and Image Processing System; TNTview™, for visualization and interpretation; TNTlink™, for construction of HyperIndex® stacks; TNTatlas™, for wide scale publication of electronic atlases; and TNTsdk™, for development of custom modules for TNTmips.

### ***Vous avez des idées?***

Vos commentaires sont toujours bienvenus et nous apprécions les rétroactions. Faites parvenir vos suggestions à l'éditeur (voir adresse à la page



### ***Something on your mind?***

Your comments are always welcome, and we appreciate your feedback. Please send your suggestions to the editor (address on page 2).

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# The Canadian Cartographic Association *L'Association canadienne de cartographie*

## **CCA Executive / Exécutif de l'ACC:**

### **President / Président:**

Janet Mersey  
Geography, University of Guelph  
Guelph, Ontario N1G 2W1  
Phone/Tél: (519) 824-4120 ext. 3528 Fax/Télé: (519) 837-2940  
e-mail / *courr. élect*: jmersey@uoguelph.ca

### **Vice President / vice-Président:**

Gary MacManus  
Memorial University of Newfoundland  
St. John's, Newfoundland  
Phone/Tél: (709) 737-8996 Fax/Télé: (709) 737-4000  
e-mail/*courr. élect*: gmcmanus@kean.ucs.mun.ca

## **Interest Group Chairs / Chefs de Groupes d'Intérêt:**

### **Analytical Cartography and GIS/ Cartographie analytique et SIG:**

Douglas Banting  
Ryerson Polytechnical Institute  
Toronto, Ontario  
Phone/Tél: (416) 979-5000 ext 6171 Fax/Télé: (416)979-5273  
e-mail/*courr. élect*: dbanting@acs.ryerson.ca

### **History of Cartography / Histoire de la cartographie:**

Carol Marley  
Hitchfield Library, McGill University  
Montréal, Quebec H3A 2K6  
Phone/Tél: (514)398-7453 Fax/Télé: (514)398-7437  
e-mail/*courr. élect*: marley@felix.geog.mcgill.ca

### **Map Production Technology / Technologie de production cartographique**

David Mercer  
Geography, University of Western Ontario  
London, Ontario N6C 1B7  
Phone/Tél: (519) 661-3425 Fax/Télé: (519) 661-3750  
e-mail/*courr. élect*: mercer@sscl.uwo.ca

### **Canadian National Committee Chair / Président du Comité national canadien:**

Norman Drummond  
Geography, McGill University  
Montréal, Quebec H3A 2K6  
Phone/Tél: (514) 398-4939 Fax/Télé: (514)398-7437  
e-mail/*courr. élect*: in23@musicb.mcgill.ca

### **Past-President / a passé Président:**

Alun Hughes  
Geography, Brock University  
St. Catharines, Ontario L2S 3A1  
Phone/Tél: (905) 688-5550 ext. 3489 Fax/Télé: (905) 688-6369  
e-mail/*courr. élect*: ahughes@spartan.ac.brocku.ca

### **Secretary-Treasurer / secrétaire-trésorier:**

Shelley Laskin  
Globe Graphics, 664 Balliol Street  
Toronto, Ontario M4S 1E7  
Phone/Tél: (416) 481-9513 Fax/Télé: (416) 481-0552  
e-mail/*courr. élect*: shelley@io.org

### **Cartographic Education / Éducation cartographique:**

John Belbin  
College of Geographical Sciences  
Lawrencetown, Nova Scotia  
Phone/Tél: (902) 584-2226 Fax/Télé: (902) 584-7200  
e-mail/*courr. élect*: belbin@cogs.ns.ca

### **Map Use and Design / Conception et utilisation des cartes:**

Morrie Portnoff  
Nunavik Graphics, 3285 Saint-Jacques, Bureau 103  
Montréal, Quebec H4C 1G8  
Phone/Tél: (514) 938-9233 Fax/Télé: (514)938-9233  
e-mail/*courr. élect*: 76217.426@compuserve.com

### **Cartographica Editor / Éditeur de Cartographica:**

Michael Coulson  
Geography, University of Calgary  
Calgary, Alberta T2N 1N4  
Phone/Tél: (403) 220-6587 Fax/Télé: (403) 282-6561  
e-mail/*courr. élect*: coulson@acs.ucalgary.ca

### **CCA Representative on the Canadian National Committee / Délégué de l'ACC au Comité national canadien:**

Claudette LeBlanc  
Oceans Institute of Canada, 1226 LeMarchant Street  
Halifax, Nova Scotia B3H 3P7  
Phone/Tél: (902) 494-1977 Fax/Télé: (902) 494-1334  
e-mail/*courr. élect*: mbutler@ac.dal.ca



Winner of the orienteering event, Peter Keller, performing the traditional Nose Hill victory dance, the rattlesnake romp.



"President's Prize?" Past President Alun Hughes emerges from bushes with Nicholson Scholarship Winner Laura Beattie, the fastest female orienteerer (for good reason!).



New member Joseph Morong demonstrates his Canada goose landing technique.



"Dymons in the rough" - Mike and Ute Dymon, another stop for metric conversions.

17th International  
Cartographic  
Conference  
10th General  
Assembly of ICA

17e Conférence  
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10e Assemblée  
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Barcelona, Catalunya, España/Spain  
Tel. (343) 423 31 01

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Barcelon. 209-211 • E-08004 Barcelona  
Tel. (343) 218 07 38  
Fax (343) 218 89 50 • Telex 98471 ICCB E



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