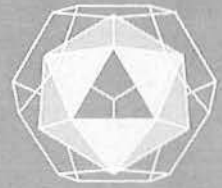
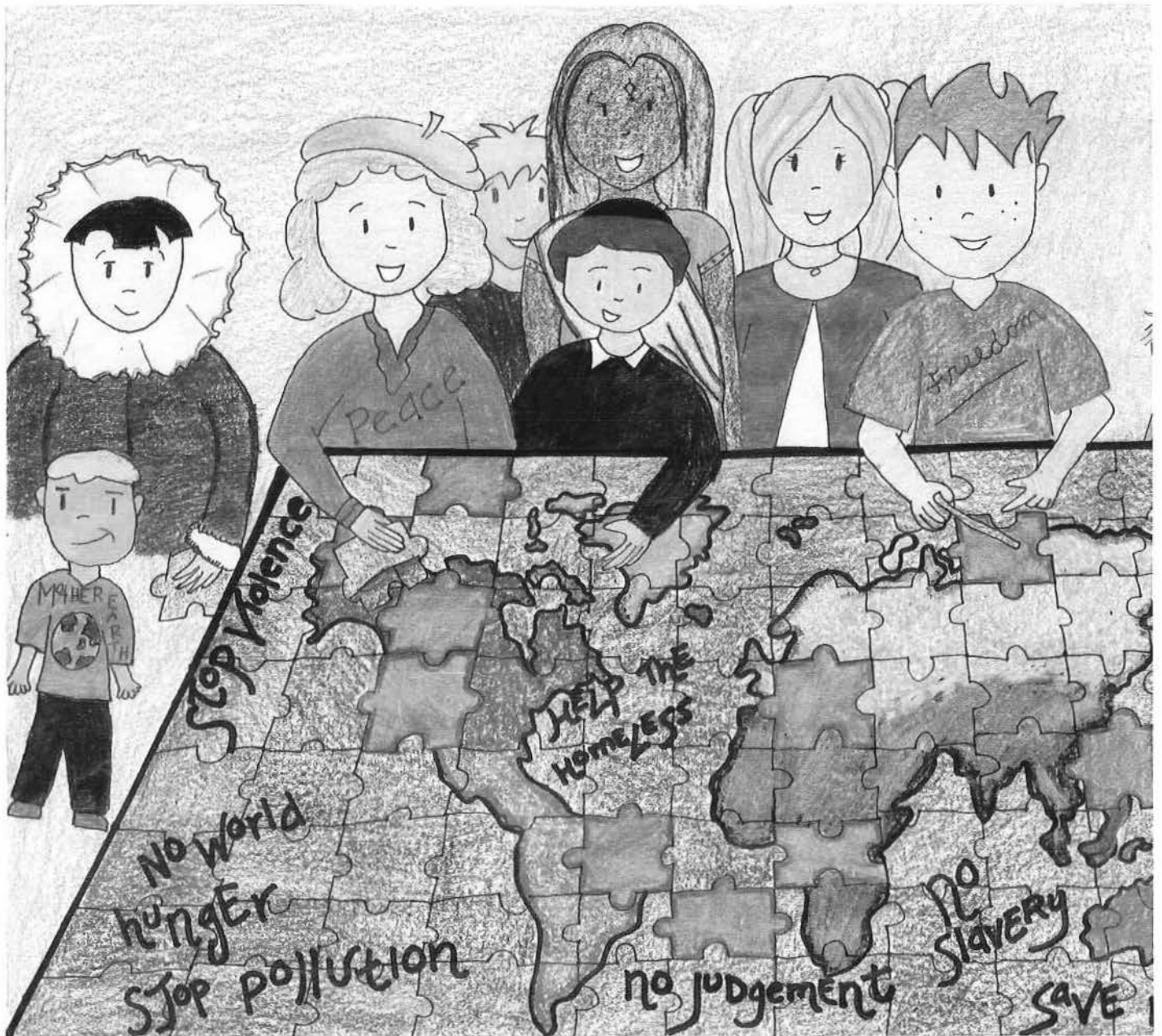


# Cartouche



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

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### About the cover...

This issue's cover is titled "United Pieces" and was created by Rachelle Domingo, Michael Estalilla, Argielica Jumarang and Catherine Ambicki, Ages 13-14 from St. Philip School in Mississauga, Ontario. It was a winner of the International Cartographic Association's 2003 *Barbara Petchenik Childrens World Map Competition*. Only a section of the map is shown and it has been reduced and converted from colour to gray-scale.



## Calendar/ calendrier

March 14 - 19 mars, 2004  
**100th AAG Annual Meeting**  
 Philadelphia, PA  
 For information/pour renseignements: [www.aag.org](http://www.aag.org)

March 28 - 31 March 2004  
**The GeoTec Event - Pathways to Integration**  
 Toronto, ON  
 For information / pour renseignements:  
[EventInfo@GeoTecEvent.com](mailto:EventInfo@GeoTecEvent.com) or phone Matt Ball @  
 303-544-0594

June 8 - 10 juin 2004  
**CCA 2004 ACC**  
 Fleming College  
 Lindsay, ON  
 For information / pour renseignements:  
[www.geomaticsatfleming.ca/CCA2004](http://www.geomaticsatfleming.ca/CCA2004)

August 9 - 12 août 2004  
**ESRI International User Conference**  
 San Diego, CA  
 For information / pour renseignements:  
[uc@esri.com](mailto:uc@esri.com) or 909-793-2853 ext. 1-1363



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## CARTOGRAPHICA

*Le journal est à la recherche d'un nouveau  
équipe de rédaction.*

The journal is seeking a new editor.

*Si vous êtes intéresser ou pour de plus ample  
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# CCA AWARDS OF DISTINCTION PRIX DE DISTINCTION DE L'ACC

*Award for Exceptional Scholarly  
Contributions to Cartography, 2003*

*Prix pour une contribution exceptionnelle  
d'érudition sur la cartographie - 2003*

## Richard Ruggles

It is my honour and pleasure to present this year's Canadian Cartographic Association Award of Distinction for Exceptional Scholarly Contributions to Cartography to Richard Irwin Ruggles.

Professor Ruggles' academic career began at Lawrence Park Collegiate in Toronto and then on to the University of Toronto for his Honours B.A. in 1945. Two years later he received his M.A. from Syracuse University. He then attended the London School of Economics and Political Science, where he received his Ph. D. in 1958. His dissertation on the historical geography and cartographic delineation of the Canadian West to 1795 is credited with making most accessible to cartographers, geographers and others the immense cartographic riches of the Hudson's Bay Company's archives. It is described by some as a work of prodigious scholarship!

Professor Ruggles taught first at McMaster University for three years and at the University of British Columbia where he remained from 1953 to 1960 and found, in 1954, a fellow geographer, Mildred Duncan, with whom to share his further adventures. Mildred has been, in Dr. Ruggles' own words, *with him for many miles and in many archives*. So we know that she has been a vital part of all that is noted here!

In 1960, Dr. Ruggles was called to Queen's University in Kingston, Ontario to found and head a new Department of Geography. Professor Ruggles was Head during the formative years of that Department and was Acting Head on two other occasions before retiring as Professor Emeritus in 1988.

Ruggles' scholarship and growing number of achievements were recognized by a number of grants and fellowships: a Maxwell at Syracuse in 1947, a McLaughlin Professorship from Queen's, SSHRC and Canada Council Leave Fellowships for travel to the USSR on two different occasions, an Isaak Walton Killam Research

J'ai l'honneur et le plaisir de décerner le prix 2003 de distinction pour contribution exceptionnelle à la recherche en cartographie de l'Association canadienne de cartographie à Monsieur Richard Irwin Ruggles.

La carrière universitaire du professeur Ruggles a commencé au collège Lawrence Park à Toronto et s'est poursuivie à l'université de Toronto, où il a obtenu son baccalauréat spécialisé en 1945. Deux ans plus tard, il obtenait une maîtrise ès arts de l'université de Syracuse. Il fréquenta ensuite la *School of Economics and Political Science* de Londres, où il obtint son doctorat en 1958.

Sa thèse de doctorat, sur la géographie historique et la délimitation cartographique de l'Ouest canadien jusqu'en 1795, est reconnue pour avoir rendu l'immense richesse cartographique des archives de la Compagnie de la Baie d'Hudson beaucoup plus accessible aux cartographes, aux géographes ainsi qu'à d'autres chercheurs. Certains disent même qu'il s'agit d'une œuvre d'une prodigieuse érudition!

Le professeur Ruggles a tout d'abord enseigné à l'université McMaster pendant trois ans, puis à l'université de Colombie-Britannique où il est resté de 1953 à 1960 et où, en 1954, il

a rencontré une collègue cartographe, Mildred Duncan, avec qui il put désormais partager de nombreuses aventures. Mildred a été, comme le dit le professeur Ruggles, *une compagne de bon nombre de kilomètres et de bon nombre d'archives*. Nous savons ainsi qu'elle a joué un rôle essentiel dans tout ce qui est présenté ici!

En 1960, Monsieur Ruggles a été appelé à l'université Queen's de Kingston, en Ontario pour fonder et diriger une nouvelle faculté de géographie. Il en a été directeur pendant les années de formation de ce département, puis directeur intérimaire à deux reprises, avant de prendre sa retraite comme professeur émérite en 1988.

L'érudition du professeur Ruggles et le nombre croissant de ses réalisations ont été récompensés par un certain nombre de



photo: Weldon Hiebert

Henry Castner (left) presents the Award of Distinction to Richard Ruggles.  
Henry Castner (à gauche) remet un Prix de Distinction à Richard Ruggles.

Fellowship in 1981-2, among others. As well, he received a National Award for Merit from the American Association for State and Local History, 1970; a Certificate of Merit in Regional History from the Canadian Historical Association, 1992; and a Distinguished Alumnus Award, University of Toronto, Association of Geography Alumni in 2001.

Along the way, Professor Ruggles found time for many other pursuits. These include being Cartographic Editor of the 1956 *Atlas of British Columbia Resources*, the first of a whole series of provincial atlases that were produced in Canada in the decades to follow. With John Warkentin, he co-authored the *Historical Atlas of Manitoba, 1970*, a copy of which was presented to Queen Elizabeth on the occasion of the Province's centennial. He was also Chairman of the Advisory Committee for the National Historical Atlas Project 1975-77 and subsequently the author [but unfortunately not the final designer] of four plates in Volume 1 and two in Volume 2 of the *Historical Atlas of Canada, 1987*. Much of his scholarly attention has focused on the Hudson's Bay Company. The cap-stone of this magnificent obsession was the wonderful 1991 volume, *A Country So Interesting: The Hudson's Bay Company and Two Centuries of Mapping, 1670-1870*. In it he describes and analyses the mapping activities over a period of 200 years of the more than 160 Company servants and surveyors engaged in the field, as well as the contributions of more than 50 Indians and Inuit who drew sketches and gave original configurations.

*A Country So Interesting* has been hailed as a most significant contribution to the history of Canadian and North American mapping, to the history of Canadian exploration, and to the geographical and historical study of the development of Canada west of the Ottawa River — that covers a lot of ground, which is, of course, Dr. Ruggles' style.

As significant as this large body of work has been, it should not be allowed to overshadow many of his other contributions to the scholarly community at large. These can be found in teaching, urban planning, and for various professional organizations.

Professor Ruggles was a pioneer in Canada in initiating the first courses in the history of cartography, which he taught at two different universities. His time at Queen's is honoured in part by the historical map collection, which bears his name, and the mentoring of two Master's candidates and scores of students in the history of cartography. He was also influential in organizing meetings and writing about the teaching of the history of cartography for the International Conference on the History of Cartography and the International Cartographic Association.

During his busy academic career, Dr. Ruggles has also served or chaired a number of regional or community planning groups, from the Lower Mainland in British Columbia to the city of Kingston and its surroundings — a reflection of another of his interests, urban geography.

He was the first Chair of the Canadian Cartographic Association's Interest Group on the History of Cartography, organizing its first meeting in Kingston in 1976 and nurturing the Group for the first four years of its existence. Professor Ruggles

subventions et de bourses : la bourse Maxwell à Syracuse en 1947, la subvention pour les professeurs McLaughlin de Queen's, une bourse de travail libre du CRSH et du Conseil des arts du Canada pour un voyage de recherche en URSS à deux occasions différentes et la bourse de recherche Isaak Walton Killam en 1981-1982, entre autres. Il reçut également un certificat national de mérite de l'*American Association for State and Local History* en 1970, un certificat de mérite en histoire régionale de la Société historique du Canada en 1992 et le prix de distinction des anciens de l'Association des anciens en géographie de l'université de Toronto en 2001.

Au cours de sa carrière, le professeur Ruggles a trouvé le temps de participer à de nombreux projets. Il a été, entre autres, rédacteur cartographique de l'Atlas des ressources de Colombie-Britannique en 1956, la première d'une série complète d'atlas produits au Canada dans la décennie suivante. Il fut coauteur, avec John Warkentin, de l'Atlas historique du Manitoba en 1970, dont un exemplaire fut présenté à la Reine Élisabeth à l'occasion du centenaire de la province. Il a également été président du comité consultatif sur le projet d'atlas historique national de 1975 à 1977, puis par la suite l'auteur [mais malheureusement pas le concepteur final] de quatre plaques du tome 1 et de deux plaques du tome 2 de l'Atlas historique du Canada en 1987. Il a consacré beaucoup de ses recherches à l'étude de la Compagnie de la Baie d'Hudson. Le couronnement de cette merveilleuse obsession fut le livre magnifique publié en 1991 et intitulé *A Country So Interesting: The Hudson's Bay Company and Two Centuries of Mapping, 1670-1870* (Un Pays si intéressant : La Compagnie de la Baie d'Hudson et deux siècles de cartographie, de 1670 à 1870 - non traduit). Livre dans lequel il décrit et analyse, sur une période de 200 ans, les activités cartographiques de plus de 160 préposés et arpenteurs de la Compagnie engagés sur le terrain, ainsi que la contribution de plus de 50 Indiens et Inuit qui ont fait des esquisses et ont donné les configurations initiales.

Le livre *A Country So Interesting* a été acclamé comme une contribution essentielle à l'histoire de la cartographie canadienne et nord-américaine, à l'histoire de l'exploration du Canada et à l'étude géographique et historique du développement du Canada à l'ouest de la rivière des Outaouais — ce qui couvre un territoire énorme et ce qui est, bien entendu, tout à fait du style du professeur Ruggles.

Aussi considérable qu'ait été cette œuvre, elle ne devrait pas faire ombre à ses nombreuses autres contributions à la recherche en général. On les retrouve dans le domaine de l'enseignement et de l'urbanisme, ainsi qu'au sein de diverses organisations.

Le professeur Ruggles a fait figure de pionnier au Canada lorsqu'il a introduit les premiers cours d'histoire de la cartographie, qu'il a enseignés dans deux universités. On a honoré sa présence à Queen's en donnant son nom à la collection de cartes historiques et en lui confiant le mentorat de deux candidats à la maîtrise, ainsi que de nombreux étudiants en histoire de la cartographie. Il a joué un rôle important dans l'organisation de réunions et dans l'écriture de textes sur l'enseignement de l'histoire de la cartographie, pour la Conférence internationale sur l'histoire de la cartographie et pour l'Association internationale de cartographie.

Au cours de sa carrière universitaire très remplie, le professeur Ruggles a également servi ou présidé de nombreux groupes de planification régionale ou communautaire, du Lower Mainland en Colombie-Britannique à la ville de Kingston et de ses environs - activités qui reflètent un autre de ses intérêts, soit la géographie urbaine.

also served as a Councillor, Vice-President and then President of the Canadian Association of Geography in the years 1955 to 1971 and Editor of its Newsletter from 1965 to 1969. For all this they presented him with two Awards for Service, 1982 and 1983. Dr. Ruggles was a member of the Canadian National Commission for Cartography, 1977-80, for whom he wrote an important report on the Evolution of Cartographic Associations in Canada. It offered guidance to the six professional societies that had some kind of interest in cartography on how to come to terms with the appearance of the Canadian Cartographic Association and Carto-Quebec and with the realization that Canadians were playing important roles on the international stage and we needed to put our best representative foot forward.

Professor Ruggles was also Chairman of the Exhibition Committee for the 22nd International Geographical Congress held in Montreal in 1972 and the Member for Canada of the International Cartographic Association's Commission on the History of Cartography, 1985-89. He has been elected Fellow by both the Royal Geographical Society, London and the Royal Canadian Geographical Society.

In recent years, but probably not *finally*, Dr. Ruggles has produced a fascinating study on the real and imaginary cartography of the Northwest Passage for a conference on the Arctic expeditions of Martin Frobisher — a name we can add to the many others that crop up in his work, e.g., Sir Francis Drake, Joseph Despard Pemberton, Peter Fidler, David Thompson, the LaVerendrye family, Samuel Wegg, and, of course, those wonderful Hospital Boys of the Bay!

For the high standards of scholarship that he has set and for his exemplary, comprehensive, and original contribution to scholarly discourse on the history of cartography in Canada, and about Canada, the Canadian Cartographic Association is proud to present our Award of Distinction — to this Fellow so Interesting!!

*Prepared by: Henry Castner. Presented on May 30, 2002, University of Victoria, Victoria, British Columbia.*

Il a été le premier président du groupe d'intérêt sur l'histoire de la cartographie de l'Association canadienne de cartographie. Il en a organisé la première réunion à Kingston en 1976 et a soutenu le groupe pendant les quatre premières années de son existence. Le professeur Ruggles a été conseiller, vice-président, puis président de l'Association canadienne de géographie de 1955 à 1971 et rédacteur en chef de son bulletin de 1965 à 1969. Pour tous ces accomplissements, il a reçu deux témoignages de reconnaissance en 1982 et en 1983. Monsieur Ruggles était membre de la Commission nationale canadienne de cartographie, de 1977 à 1980, pour laquelle il a rédigé un rapport important sur l'évolution des associations cartographiques au Canada. Ce rapport a servi de guide, aux six associations professionnelles s'intéressant à la cartographie, quant à l'acceptation de la présence de l'Association canadienne de cartographie et de Carto-Québec et quant à la prise de conscience que les Canadiens jouaient un rôle important sur la scène internationale et que nous devrions faire de notre mieux en termes de représentation.

Le professeur Ruggles a également présidé le comité des expositions du 22<sup>e</sup> congrès international de géographie à Montréal en 1972 et a représenté le Canada à la commission de l'histoire de la cartographie de l'Association internationale de cartographie, de 1985 à 1989. Il a été élu membre de la *Royal Geographical Society* de Londres et de la Société géographique royale du Canada.

Plus récemment, mais certainement pas *finale*ment, le professeur Ruggles a fait un étude fascinante sur la cartographie réelle et imaginaire du passage du nord-ouest, à l'occasion d'une conférence sur les expéditions arctiques de Martin Frobisher — un nom que nous pouvons ajouter aux nombreux personnages qui apparaissent dans ses œuvres, comme Sir Francis Drake, Joseph Despard Pemberton, Peter Fidler, David Thompson, la famille de LaVerendrye, Samuel Wegg et bien sûr ces merveilleux garçons des hôpitaux de la Baie!

Pour l'excellence de son savoir et pour sa contribution exemplaire, exhaustive et originale aux travaux d'érudition sur l'histoire de la cartographie au Canada, et sur le Canada, l'Association canadienne de cartographie est fière de décerner son prix de distinction à ce collègue si intéressant !!

*Préparé par: Henry Castner. Présenté le 30 mai 2002, à l'Université de Victoria, Colombie-Britannique.*

## RESPONSE by Richard I. Ruggles to the Citation for the 2003 CCA Award of Distinction for Exceptional Scholarly Contributions to the Field of Cartography

Friends,

I can't imagine a more appropriate and satisfying occasion at which to be honoured with this award than these joint annual meetings of Canada's cartographers, map librarians and archivists, and geographers, because these professions have been intertwined throughout my academic career, which commenced 62 years ago.

There are two aspects of these years that I have found to be so important to me. First, I enjoy so much being in on the beginning of things, and taking part in their early development, whether of the life of university departments, of the formation of map and air photo

collections, of research projects, or of student's careers. Second, I owe so much to so many colleagues, and others, in my teaching, research and administrative duties over these years.

Beginnings extend from 1941 to the present day. I was the sixth geographer to receive a Bachelor's degree in Canada, from the first established geography department in Canada, the University of Toronto. I was the first at that time to find cartography to be one of my major interests, whetted by Griffith Taylor and his colleagues who illustrated their courses with innumerable hand-drawn glass lantern slide maps, using black and coloured inks. For many years, I

certainly used that technique myself, when, after my M.A. at Syracuse University, buttressed by four courses in cartography there, given by a great map designer, Richard Edes Harrison, I became the second member of the McMaster geography department, invited by Wreford Watson, and I developed my first course in cartography and in field surveying and field methods, from 1947 to 1950.

From 1950 to 1953, and later, I centred my interest in the history of cartography at the University of London, London School of Economics, encouraged by Sir Dudley Stamp. For my dissertation, I was the first to undertake a major study on the historical cartography and historical geography of the Canadian west and north up to 1795. I owe much to many map archivists and librarians, such as Helen Wallis of the British Library, Francis Herbert of the Royal Geographical Society, Alice Johnson of the Hudson's Bay Company Archives, London, and W. Kaye Lamb and Jack Richardson of the Public Archives, Ottawa. I spent months being treated almost as staff, relating their maps to their documents and books.

In 1953, Lew Robinson invited me to be the fourth member of the U.B.C. geography department. What was so stimulating also was that my colleague, John Chapman, asked me to join him, and two others in the provincial government, to design and publish what was the first provincial atlas in Canada, in 1956. I was the cartographic editor.

Then, in 1960, Wreford Watson, who had become the Chief of the federal Geographical Branch, proposed to Queen's University that I be invited to found and head its new geography department, which happily they did, and I have been a member ever since. And very happily also, soon Henry Castner and Gerald McGrath joined me to develop our cartographic and field surveying program, followed later by Roly Tinline, one of our own, to develop our GIS program.

In 1968, John Warkentin, instrumental in developing the York university department, invited me to join him in writing the first of the provincial atlases, the Historical Atlas of Manitoba. It was published in 1970, by the Manitoba Historical Society on the occasion of the Centennial of the Province of Manitoba, and to be presented to Queen Elizabeth during their celebrations. It now resides in the library at Windsor Castle.

By 1991 I was able to complete my study of what was Canada's first real exploratory, surveying and mapping agency, the Hudson's Bay Company, which for two centuries, 1670 to 1870, explored, surveyed and mapped much of our north and west, and also much of what became the American central plains and northwest. This volume, *A Country So Interesting* was the first, and only such examination, and I owe so much to the year and many summers which the HBC Keepers of the HBC Archives, Winnipeg, Shirlee Anne Smith and Judith Beattie, hosted me while I examined this great collection.

My last two research projects, from 1996 to 1999, and from 1998 to 2003, have a definite connection, which I did not know about until 1998. They concern the major British interest in the political geography of northern North America, and in finding the Atlantic and Pacific entrances to the Northwest Passage, a new beginning in historical cartography and historical geography of the Elizabethan period. In 1996 I was invited to join over twenty other persons to examine the expeditions of Martin Frobisher in 1576, 1577 and 1578 to find the

Atlantic entrance to the Northwest Passage, which was subsumed under the title of the Meta Incognita Project. I was a member of the Archival Research Task Force, centred in London. I wrote *The Cartographic Lure of the Northwest Passage: It's Real and Imaginary Geography*, one of 20 chapters dealing with many facets of this venture, in two volumes. Another volume is nearing completion written by persons associated with the Smithsonian Institution and the Museum of Civilization in Ottawa, and centred on archeological, anthropological and oral history studies.

Because of the intense rivalry between Britain and Spain, these expeditions were very secret. As a result, all of the crew, and other participants, were given notice by the Queen's Privy Council that any discussion or writing about the navigation charts, or information on latitudes, longitudes, positions of places, or compass variation would be under pain of death and confiscation of goods. The cartographic results were abysmal, and as a result the location of Frobisher's Strait was shown as lying across southern Greenland until 1789, when Alexander Dalrymple showed the proper location as Frobisher Bay, Baffin Island.

And lastly another fascinating new beginning for me. Since 1998 I have been an advisor on a research study which challenges the long-held assumption that in 1579 Captain Francis Drake on the *Golden Hinde* on his epic circumnavigation of the globe, after passing through Magellan Strait, and devastating Spanish treasures up the Pacific coast, reached only a short distance north of San Francisco, before heading across to the Asian shores. Samuel Bawlf's theory is that this voyage was the second stage, after Frobisher, in the British attempt to search for the Northwest Passage, that is, to find the Strait of Anian, the Pacific entrance to the Arctic Passage. Bawlf believes that he has proved that Drake had the purpose of a secret voyage north along the Northwest coast, reaching to the delta of the Stikine River, before returning south along the Inner Passage, south through the Straits of Georgia, and of Juan de Fuca, before careening his ship on the Oregon coast, and heading west across the Pacific.

Sam Bawlf, a geography graduate of UBC many years ago, and a sailor on his own boat for many years into the intricacies of the B.C. coast, became a member of the legislature, and Provincial Minister of Transport. He became curious some years ago about early British and Spanish voyages. He also established the BC Historic Sites Trust. Drake fascinated him for he found several months of unaccounted time in Drake's voyage. He spent some five years of research in libraries and archives in Britain, Canada and the United States searching for all maps, charts, documentation and books related to this voyage before completing his first draft of his study, which I and others were asked to read and make comments. He found that, as with Frobisher, all was secret, there was a proscription against him drawing any maps, or writing about this aspect of the voyage. Bawlf has found considerable evidence that over the later years of Drake's life written and map data appeared. Bawlf's basic purpose is to show the full extent of Drake's significance to British Columbia's and Canada's Pacific shores.

I have greatly enjoyed my career in cartography and geography. It has been fun. This award by my fellow map enthusiasts is a heart-warming experience for me, and is deeply appreciated.

Richard Ruggles

## Award for Exceptional Contributions to the CCA, 2003

## Prix pour une contribution exceptionnelle à l'ACC - 2003

### C. Peter Keller

It brings me great pleasure that today we honor Professor C. Peter Keller by bestowing on him the 2003 Award of Distinction for Exceptional Contributions to the Canadian Cartographic Association. This award recognizes those individuals who have made and continue to render outstanding service to the CCA in particular, and to the discipline of cartography in general. How appropriate that our recipient, who more than meets these criteria, is also our host and conference organizer for this, the 28<sup>th</sup> Annual General Meeting of the CCA.

Although Peter was born in Germany, he spent much of his formative years in Ireland. When he entered university his intentions were to become an oceanographer, but found that human geography was much more interesting. He earned his bachelor's honors degree in geography at Trinity College, Dublin in 1980. There is evidence to suggest that he may have had a triple major - geography, rugby and sailing. His quest for adventure and knowledge was accomplished by a move to Canada where he spent a summer living among the Inuit on Baffin Island exploring arctic tourism. He then completed a master's degree on the subject of peripheral tourist destinations in 1982 at the University of Western Ontario. By this time, Peter had become quite enamored with the many attributes afforded by life in southwestern Ontario, not only the sailing and other outdoor activities, but also a certain young lady. As a consequence, Peter stayed on at Western and in 1985 earned his PhD with a specialization in spatial analysis and GIS under the supervision of Michael Goodchild. Armed with doctorates, Peter and Eileen next sought academic positions which brought them to the University of Victoria where they have been since 1985. In thirteen short years, Peter has gone from Visiting Lecturer to full Professor, the last promotion coming in 1998.

There must be something in the psyches of those who live on the edges of this great country of Canada - get involved or fade into obscurity. Obviously, obscurity is not one of Peter's strong suits, so after arriving in Victoria, he wasted no time immediately getting involved in the local and national cartographic scenes. In 1986 he served as Vice-President of the Pacific Institute of Cartographers Society (PICS), two terms as President from 1988-1990, and was the

Cela me fait grand plaisir qu'aujourd'hui nous honorons Professeur Keller en lui accordant le Prix de Distinction de 2003 pour les Contributions Exceptionnelles à l'Association Canadienne de Cartographie. Cette récompense reconnaît ces individus qui ont rendu et continuent à rendre un service remarquable à l'ACC en particulier, et à la discipline de cartographie en général. Comme il est opportun que notre récipiendaire, qui en répond plus qu'aux critères, est aussi notre hôte et l'organisateur de la réunion pour ceci, la 28<sup>e</sup> Assemblée Générale Annuelle de l'ACC.

Bien que Peter soit né en Allemagne, il a passé une bonne partie de ses années formatrices en Irlande. Quand il est entré à l'université il avait l'intention de devenir océanographe, mais il a trouvé la géographie humaine beaucoup plus intéressante. Il a gagné son Baccalauréat avec Spécialisation en géographie au Collège Trinity, à Dublin en 1980. Il existe de la preuve qui suggère qu'il ait pu avoir

une triple majeure - en géographie, en rugby et en voile. Il a réalisé sa poursuite de l'aventure et de la connaissance quand il a déménagé au Canada où il a passé un été parmi les Inuits de l'Île Baffin tout en explorant le tourisme arctique. Par la suite, en 1982, il a achevé sa maîtrise au sujet des destinations de tourisme périphériques à l'Université Western Ontario. À cette époque, Peter était devenu plutôt enchanté du grand nombre d'attributs offerts par la vie en Ontario du sud-ouest, non seulement la voile et les autres activités de plein air, mais aussi une certaine jeune dame. Par conséquent, Peter est resté à Western et en 1985 a gagné son Doctorat avec spécialisation en analyse spatiale et GIS sous la surveillance de Michael Goodchild. Armés des doctorats, Peter et Eileen ont



Clifford Wood (left) presents the Award of Distinction to Peter Keller.  
Clifford Wood (à gauche) remet un Prix de Distinction à Peter Keller.

photo: Weldon Hiebert

ensuite cherché les postes académiques, une quête qui les ont amenés à l'Université Victoria où ils sont depuis 1985. Dans ces treize courtes années, Peter est allé du Conférencier Associé au Professeur à Part Entière, la dernière promotion arrivant en 1998.

Il doit y avoir quelque chose dans les psychés de ceux qui habitent aux bords de ce grand pays du Canada - reste impliqué ou s'éteint dans l'obscurité. Evidemment, l'obscurité ne figure guère dans les forts de Peter, ainsi après être arrivé à Victoria, il n'a pas gaspillé de temps s'impliquant immédiatement dans les scènes cartographiques locales et nationales. En 1986 il a exercé la fonction du Vice-président de l'Association Pacifique de la Société de

official spokesperson for PICS until it ceased to exist in the 1990s. During this time, Peter also became active in the Canadian Cartographic Association (CCA) when he was elected to the CCA Executive as Chair of the Education Interest Group (1987-89). In 1990 he organized and chaired the CCA Annual General Meeting, at which time he was also elected Vice-President (1990-91), then served as President (1991-92). Currently he is a member of the Editorial Advisory Board of *Cartographica*.

Peter has worn and continues to wear many hats, simultaneously. He represented PICS on the Canadian National Committee for the International Cartographic Association (CNC-ICA) from 1988 to 1995. And then, representing the CCA, assumed the chair of the CNC-ICA in 1995, serving an incredible eight years. In this capacity, he represented Canada as Chief of Delegation at the ICA meetings. At the same time, he was also the Canadian member of the ICA's Commission of Education and Training from 1991 to present. Peter has represented the CCA from 1995 to 2003 as the Technical Councillor for Cartography in the Canadian Institute of Geomatics (CIG) while also serving as Director of the British Columbia Chapter of the CIG. From 1991 to 1993 he was the Director of the British Columbia Chapter of the Urban and Regional Information Society of America (URISA). Peter was also a member of the Planning Committee for the Canadian bid to host the 1999 ICA meeting in Ottawa, and in 1997 he took on responsibilities as chair of the Scientific and Technical Program of the 11<sup>th</sup> General Assembly and 19<sup>th</sup> Cartographic Conference of the ICA and subsequently edited the 1908 page, two-volume proceedings. His outstanding efforts were recognized when he received the Earth Science Sector Merit Award from Natural Resources Canada.

Peter is a man of boundless energy whose dedication to his family, his profession and his students is quite literally awe-inspiring. His children when very young displayed similar high levels of energy which prompted mom and dad to give them nicknames of "Duracell" and "Ever Ready" because they never ran down. I would submit they are chips off the old block.

Ladies and Gentlemen, I take great pleasure, on behalf of the Canadian Cartographic Association, in presenting to C. Peter Keller the 2003 Award of Distinction for Exceptional Contributions to the CCA.

*Prepared by: Clifford H. Wood. Presented on May 30, 2003, University of Victoria, Victoria, British Columbia.*

Cartographes (APSC), de 1988 à 1990 il en a passé deux termes comme Président, et il était la porte-parole officielle pour APSC jusqu'à ce que ce dernier ait cessé d'exister dans les années 1990. Pendant ce temps, Peter est aussi devenu actif dans l'Association Canadienne de Cartographie (ACC) lorsqu'on l'en a élu comme Chaise du Groupe d'Intérêt sur l'Éducation (1987-89). En 1990, il a organisé et a présidé l'Assemblée Générale Annuelle de l'ACC à quelle époque il était aussi élu Vice-président (1990-91), puis il a servi alors du Président (1991-92). En ce moment, il est membre du Conseil de Consultation Éditoriale de *Cartographica*.

Peter a porté et continue à porter plusieurs chapeaux, simultanément. Il a représenté APSC sur le Comité National Canadien pour l'Association Cartographique Internationale (CNC-ACI) de 1988 à 1995. Et, par la suite, représentant l'ACC, il a pris la présidence du CNC-ACI en 1995, exerçant cette fonction pendant huit années incroyables. Dans cette capacité, il a représenté le Canada comme Chef de Délégation aux réunions d'ACI. En même temps, il était le membre canadien sur la Commission d'Éducation et d'Entraînement de l'ACI de 1991 au présent. Peter a représenté l'ACC de 1995 à 2003 comme Conseiller Technique pour la Cartographie dans l'Association Canadienne des Sciences Géomatiques (ACSG) tout en servant aussi du Directeur du Chapitre de la Colombie Britannique de l'ACSG. De 1991 à 1993 il était le Directeur du Chapitre de la Colombie Britannique de la Société de l'Information Urbaine et Régionale d'Amérique (SIURA). Peter était aussi membre du Comité de Planification pour l'offre canadienne de servir d'hôte pour la réunion de l'ACI de 1999 à Ottawa, et en 1997 il a pris la présidence du Programme Scientifique et Technique de la onzième Assemblée Générale et de la dix-neuvième Conférence Cartographique du ACI et par la suite il a édité, les procédés de deux-volume qui comptaient 1908 pages. Ses efforts remarquables ont été reconnus quand il a reçu le Prix de Mérite du Secteur des Sciences de la Terre de Ressources Naturelles Canada.

Peter est un homme d'énergie sans bornes dont le dévouement à sa famille, sa profession et ses étudiants est littéralement tout à fait impressionnant. Quand très jeunes, ses enfants ont montré des niveaux similaires d'énergie, un fait qui a incité maman et papa à leur donner les surnoms de <<Duracell>> et <<Ever Ready>> parce qu'ils ne se fatiguaient jamais. Je soumettrais qu'ils sont bien les enfants de leur père.

Mesdames et Messieurs, de la part de l'Association Canadienne de Cartographie, je prends beaucoup de plaisir à présenter à C. Peter Keller le Prix de Distinction de 2003 pour les Contributions Exceptionnelles à l'ACC.

*Préparé par: Clifford H. Wood. Présenté le 30 mai 2003, à l'Université de Victoria, Colombie-Britannique.*

## RESPONSE by Peter Keller to the Citation for the 2003 CCA Award of Distinction for Exceptional Contributions to the CCA

### THANK YOU

It was twenty years ago that Bob Packer called me into his smoke filled office at the University of Western Ontario where he handed me a piece of paper. "There", he said, "your CCA membership application. It is all filled out, just sign and mail". There was no question of disobedience and so I became a member

of the CCA. Little did I know that Bob that day was connecting me with a very special set of people whom I have learned to value and many of whom I now call my friends. Thank you, Bob, for making this connection.

I don't know when I developed an interest in maps. It may have been tales of explorers, Robert Louis Stevenson's *Treasure*



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*Island*, the mental mappings of my imaginary childhood worlds, or memories of my father meticulously plotting mysterious lines and symbols on charts during long sailing passages followed by his euphoria at seeing the right piece of land emerge out of the mist. Who knows? I do know that it was a privilege and motivator having Profs. John Andrews and James Killen teach me about maps during my undergraduate years in Dublin, and it certainly was an experience simultaneously to be the teaching assistant for Prof. Bob Packer's *Introductory Cartography* and Prof. Mike Goodchild's *Automated Cartography* courses while a graduate student at UWO. Were these four professors even from the same planet? How could maps be interpreted and taught in such different ways? My curiosity was peaked. I want to thank especially the four above mentioned for what they have taught me, for their mentoring, and for planting the seeds that would shape my academic career.

Having joined the CCA, I soon discovered that here was a group of people who not only shared my love for maps and mapping, but who made me feel welcome from day one, and who shared my tolerance for late night bouts of drinking and pool. I began to look forward to CCA meetings. It has been a real privilege and a great pleasure to work and collaborate with so many of you over the years, and to have come to value so many of you as friends. Whatever initiative I have gotten involved in with members of the CCA, it always has been the same story: enthusiasm, energy, friendship, fun, warmth and success. There are so many of you that I should thank that I am reluctant to mention anybody by name because I know that I will forget somebody. But Cliff Wood and Norman Drummond do deserve special mention. Both have been superb guides, mentors and friends helping me navigate my role as Chair of the national

committee. How can I ever forget Norman's genuine warmth and dry wit about handling the portfolio of many hats. Cliff, no e-mail, call or challenge presented to you ever went unanswered.

Working with all of you in the CCA over the last two decades has taught me what keeps our group together, and I admire the CCA for it. What keeps us together is not only common history, camaraderie and an excuse to party once a year, but also a real passion for maps. The last two decades has seen many temptations to steer the CCA in this or that direction to capitalize on the geographic information fashion of the day, be that remote sensing, GIS, surveying, visualization or whatever. The CCA has steadfastly held its course placing the map front and centre, while agreeing to collaborate with other interest groups through joint meetings and other initiatives to ensure that members of the CCA remain at the cutting edge, and to ensure that the CCA is part of the bigger picture of the geographic information sciences or what we in Canada call Geomatics. I applaud the CCA's course of action. Maintaining our own unique identity while being part of the bigger picture will ensure that we stay on course as the great association we are, and that I am proud to be a member of.

Time spent with you and working on your behalf has sometimes taken me away from home or made me stay late at the office. This has been at the expense of family time. I want to finish by thanking my wife Eileen and my two children, Connor and Alison, for their incredible support and understanding over the years. The award you have given me today is as much theirs as mine.

Enough – you are a great bunch and it is a real privilege to work and party with you. Thank you so much.

Peter Keller

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*Award for Exceptional Contributions  
to the CCA, 2002*

*Prix pour une contribution  
exceptionnelle à l'ACC - 2002*

## **Roger Wheate**

We are gathered here this afternoon to recognize three exceptional individuals with our association's highest honour – an award of distinction. It is my distinct honour to deliver the first citation to Dr. Roger Wheate, the recipient of our 2002 award of Distinction for Exceptional Contributions to the CCA.

This award was to be presented to Dr. Wheate in 2002. In an unexpected set of circumstances however, the 2002 conference was one of only two in the last 18 years that he could not attend. We therefore delayed the presentation of

Nous sommes rassemblés ici cet après-midi pour accorder à trois personnes exceptionnelles le plus grand honneur de notre Association – un prix de distinction. Je suis très honoré d'accorder la première présentation au Docteur Roger Wheate, le récipiendaire de notre prix de Distinction 2002 pour sa contribution exceptionnelle à l'ACC.

Ce prix devait être présenté au Dr Wheate en 2002. Par un jeu de circonstances imprévues, cependant, la Conférence de 2002 fut l'une des deux seules auxquelles Dr Wheate ne put

this 2002 award until 2003 when he would be in attendance, surrounded by his appreciative colleagues.

Roger Wheate moved to Canada in 1975, and started a Masters degree at Queen's University with Henry Castner who signed him up as a member of the newly formed CCA. Roger has been a member continuously since then. After completing his Masters of Science in 1978, Roger began a rich and varied career of technical and scholarly positions in universities across Canada's west in the fields of cartography and geographic information systems. He completed his Ph.D. in 1997 and is an associate professor and GIS coordinator at the University of Northern British Columbia.

Unique to Dr. Wheate's journey according to colleagues and friends has been his personal investment in the welfare of students, colleagues, departments and communities where he has lived. It is remarkable then that in the midst of all these commitments and undertaking a Ph.D., Roger worked for eleven of his 27 years as a member in executive positions, most of them with major responsibilities.

Roger first came on the executive in 1984 as Map Use Interest Group Chair. That 2-year term was followed immediately by another 2-year term as secretary, a position that also included the newsletter editor at that time. After just a 1-year interval he then became the Executive Manager for four years – an all-encompassing position marked by expanding responsibilities including public relations, membership coordinator, secretary, newsletter editor and helping out the President with meeting agendas. With such an extensive portfolio, some aspect of CCA operations required attention on an almost daily basis. This position is no longer listed on our executive list. For what should be obvious reasons, work that had morphed into the portfolio of one individual – Roger Wheate for four years and Cliff Wood the two years previous – was subsequently distributed over a number of positions on the executive. This was truly an exceptional run of service to the CCA – 8 years of service over 9 years. After a four-year hiatus Dr. Wheate was once again urged to run for office and

assister durant les 18 dernières années. Nous avons donc remis la présentation de ce prix 2002 jusqu'à l'année 2003 lorsqu'il pourrait y assister, entouré de ses collègues appréciatifs.

Roger Wheate est arrivé au Canada en 1975, et a commencé une maîtrise à l'Université Queen avec Henry Castner qui l'a inscrit membre de l'ACC récemment formée. Roger en est membre depuis cette date. Après qu'il eut complété sa Maîtrise de Sciences en 1978, Roger commença une carrière riche et variée dans divers postes techniques et d'enseignement dans plusieurs universités à travers l'Ouest Canadien dans les domaines de cartographie et des systèmes d'information géographique. Il termina son Doctorat en 1997 et est à présent professeur associé et coordinateur GIS à l'Université de la Colombie-Britannique du Nord (UNBC).

Selon ses collègues et amis, ce qui distingue Dr Wheate a toujours été son intérêt personnel pour les étudiants, collègues, départements et communautés au sein desquels il a vécu. Cela est remarquable qu'au milieu de tous ces engagements et la préparation d'un Doctorat, Roger a travaillé dans des postes exécutifs à responsabilité majeure durant onze des vingt-sept années en tant que membre jusqu'à 2002.

Roger a pris son poste exécutif en 1984 en tant que Président du Groupe pour l'utilisation des cartes. Ce terme de deux ans a été suivi immédiatement par un autre terme de deux ans en tant que secrétaire, un poste qui incluait aussi celui d'éditeur du journal en ce temps. Après un intervalle d'un an seulement, il est devenu

ensuite chef exécutif pendant quatre ans – un poste à responsabilités englobant les relations publiques, les tâches de coordinateur d'éligibilité des membres, de secrétaire, d'éditeur du journal tout en aidant le Président à l'agenda. Avec un portfolio aussi étendu, quelques-unes des opérations de l'ACC nécessitaient l'attention presque journalièrement. Ce poste n'est plus listé sur la liste exécutive. Pour des raisons évidentes le travail qui était devenu le portfolio d'une seule personne – Roger Wheate pendant quatre ans et Cliff Wood les deux années précédentes – fut par la suite réparti sur plusieurs postes exécutifs. Ces années de service à l'ACC ont



(photo: Weldon Hiebert)

Patricia Connor Reid presents Award of Distinction to Roger Wheate.  
Patricia Connor Reid remet un Prix de Distinction à Roger Wheate.

subsequently elected as Vice President in 1997 for a further three-year term of office in the Vice President, President, Past President sequence.

The substantial length of service and the responsible nature of the positions Dr. Wheate has held would on their own begin attracting attention to him as a potential candidate for an award of distinction. Also exceptional are the unique skills that he has brought to the CCA table and nurtured in his colleagues. In his trademark, humorous, self-deprecating style, our colleague would no doubt make light of what contributions he has made and what he brings to the table. Let us thus rely on colleagues who happily elucidated on his contributions as follows:

Roger makes a personal commitment to everything he touches. He has been tenacious in building the association, promoting students and their interests, supporting the executive and building camaraderie. Aided by his vast experience, engaging style and quick wit, Roger has shown an uncanny ability to act as catalyst or guide, as appropriate, to direct the association forward. His abiding concern for the well-being of the association has been a constant whether he was in office or a regular member. In what must seem like a life-long role as past president, he continues to dedicate thoughtful attention and insight to the affairs of our association.

Dr. Wheate, for your tremendous impact and dedication to the CCA, we thank you and present you with the 2002 Award of Distinction for Exceptional Service to the Canadian Cartographic Association.

*Prepared by: Patricia Connor Reid. Presented on May 30, 2003, University of Victoria, Victoria, British Columbia.*

été vraiment exceptionnelles – 8 ans de service sur 9 années. Après un arrêt de quatre ans, Dr Wheate fut encouragé à se présenter de nouveau et fut élu comme Vice-président en 1997 pour un terme de 3 ans au bureau de Vice-président et Président.

La longueur de service et les responsabilités impliquées aux postes que le Dr Wheate a tenus seraient assez pour attirer l'attention sur lui en tant que candidat potentiel pour un prix de distinction. Exceptionnel aussi est le talent qu'il a démontré à la table de l'ACC et qu'il a nourri à ces collègues. Dans son style distinctif, plein d'humour, notre collègue minimiserait sans doute les contributions qu'il a faites et ce qu'il a apporté. Faisons place alors aux collègues qui ont été très heureux de faire la lumière sur son travail:

Roger met une touche personnelle à tout ce qu'il entreprend. Il a bâti l'Association avec ténacité, promouvant les intérêts des étudiants, apportant son support à l'exécutif et créant un climat de camaraderie. Aidé de sa vaste expérience, d'un style engageant et un esprit vif, Roger a montré une mystérieuse habileté à agir comme catalyseur ou guide, toujours bien à propos, pour diriger en avant l'association. Son intérêt pour le bien-être de l'association a toujours été constant, qu'il se trouve au bureau ou membre régulier. Dans son rôle de président qui a semblé une vie entière, il continue de dédier son attention et sa perspicacité aux affaires de notre association.

Docteur Wheate, nous vous remercions pour votre immense impact et dévouement à l'ACC et nous vous présentons le prix 2002 de Distinction pour un service exceptionnel à l'Association canadienne de cartographie.

*Préparé par: Patricia Connor Reid. Présenté le 30 mai 2003, à l'Université de Victoria, Colombie-Britannique.*

## RESPONSE by Roger Wheate to the Citation for the 2002 CCA Award of Distinction for Exceptional Contributions to the CCA

I had no idea how lucky I was when I arrived in Kingston in fall 1975 from the UK. At Queen's University, Henry Castner (map use and design), Gerald McGrath (surveying and photogrammetry) and Richard Ruggles (Historical) then formed the 'axis of cartography'. Three years later, while the other foreign graduate students went back to their homelands, I stayed by virtue of studying cartography in Canada, the 'world's greatest outdoor cartographic Lab', in the words of Lou Sebert. In 1980, I attended the annual meeting of the CCA in Montreal, where I briefly met Michael Coulson. A year later, he recommended me as his sessional replacement at Calgary and this kept me in Canada for keeps.

It was a great learning experience to be CCA secretary 86-88. It enabled me to know the membership, at a time when the GIS phase was hitting the mainstream. At one point, the president of

a prominent GIS company recommended me for a job, when he only knew me because I had recently bugged him to sign up his company as a corporate member. At the same time, a masters student at Calgary beat over 100 other applicants for a GIS job, with the company identifying her membership in the CCA as the deciding factor. When Norman Drummond asked me to take over as executive manager of the CCA in 1989, it was a good excuse to further postpone my embryonic Ph.D, but I also couldn't say no: after all, Norm was family. Despite the demanding work, it continued to bring many benefits.

So think not what I have done for the CCA, but rather what the CCA has done for me. If there is one person to thank above others, it would be Henry Castner for signing me up in 1975 and guiding me through the Masters in Cartography that has put me in such good stead for the last 25 years.

Roger Wheate

## The Web and Document Delivery: High Resolution Options

I am in the position of working for a university (University of Idaho) and being assigned responsibilities with an agency of the US government (National Park Service). Having a “foot” in each place provides interesting insights about the needs and priorities within both academia and government. One common priority is the increasing demand for document delivery over the web – a demand that includes high-resolution, quality publications, images, photos, and maps (we want quality similar to the original). Within academia there is demand for online access to research, education, and library resources (such as illustrated journal articles, books, grants information, rare materials, proceedings, curricula, and the like). Within government, there is a demand to make taxpayer-funded efforts (reports, guides, records, consumer information, forms, maps and other documents) readily accessible. However, quality and legibility are commonly sacrificed in documents delivered through the web in order to produce file sizes with reasonable download times.

Just recently, I experienced two separate situations that suggested the themes for this article: (1) the importance of the web as a tool to deliver maps as documents (separate from interactive digital mapping) and (2) the options available to deliver high-resolution maps and other documents over the web. The two situations were as follows. First, I was asked to quickly locate a detailed map of the island of Vieques (part of Puerto Rico) to assist with research planning. With little time (and without a map library close at hand), I immediately turned to the web. My quick search did yield several useful maps, though all were unsatisfactory from the perspective of quality. For example, a beautifully detailed map of land use in JPEG format was fuzzy (a common characteristic of the trade-off between file size and compression). Second, on a completely different subject, a colleague described an effort underway to build a digital library of National Park Service (NPS) reports, publications, photos, and more. The digital library concept itself is well known. However, its implementation within the NPS introduced me to a new document delivery option over the web, called DjVu. DjVu allows high-resolution images to be accessed through the web. A DjVu version of a high resolution Vieques map could have met my needs.

In the rest of this article, I would like briefly introduce DjVu and its potential usefulness to cartographers. The possibilities of using DjVu to complement JPEG, GIF, TIFF, PDF and other formats is intriguing.

### What is DjVu?

DjVu (pronounced *déjà vu*) is composed of three main elements: an open source compression technique, file format, and delivery platform that “relies on a number of advanced content analysis techniques to achieve high compression ratios, low memory requirements, very fast rendering, and indexing of the material” (LeCun *et al.* 2001:1). For example, a 300 dpi scan of a full color page (3300 pixels long and 2500 pixels wide) can be compressed to 30-80 kilobytes from a 25-megabyte original. DjVu works by separating text from backgrounds and applies different compression techniques to the separate layers (Haffner *et al.* n.d.). File sizes tend to be smaller than JPEG or PDF files — attractive for web viewing. In addition, DjVu can deal with multi-page documents. A separate web browser plug-in (“decoder”) is needed to view DjVu files (<http://www.djvu.com/download/>). Detailed technical specifications of the compression format are available (<http://www.djvu.com/solutions/document/whitepaper/>).

### Examples

The best way to explore DjVu further is to look at examples on the web. Here’s a list to get started:

<http://www.djvu.com>

DjVu section of Lizardtech, the company that owns DjVu; includes client samples

<http://www.djvuzone.org>

non-commercial site for the DjVu user community; includes links to websites using DjVu and digital library with examples of historical and contemporary maps

<http://any2djvu.djvuzone.org/>

free conversion service

<http://www.co.greene.oh.us/gismaps.htm>

GIS maps of municipalities and bike trails in Green County, Ohio in DjVu format

<http://www.roottech.com/djvu/>

document imaging services company

<http://www.nlc-bnc.ca/canadiandirectories/>

Canadian national, provincial/territorial, county and city directories, primarily of the nineteenth and twentieth centuries

### Opportunities to Use DjVu

DjVu can serve as a scan-to-web application, delivering existing printed matter such as maps, historical material, and other documents as high-resolution images. DjVu can also be used to convert contemporary digital files, such as PDF and postscript. DjVu has the potential to:

- assist map librarians in moving collections to the web
- make transportation, tourist/recreation, property, voting and other government maps accessible within local communities
- deliver large maps to the web
- deliver atlases to the web

The web provides an obvious opportunity to expand the distribution of maps – contemporary and historical. New web

distribution formats diversify the options available to cartographers, even the option to deliver individual files in multiple formats. Ultimately, this gives the end user the choice of what works best for his/her needs.

If you have experience with DjVu (or other formats) that you would like to share, please contact me and I will work to incorporate your information into future issues of *Cartouche*.

#### Sources:

- Haffner, P., Bouttou, L., Howard, P.G. and Y. LeCun. n.d. DjVu: Analyzing and Compressing Scanned Documents for Internet Distribution. (AT&T Labs white paper)
- LeCun, Y., Bouttou, L., Haffner, P., Triggs, J., Riemers, B. and L. Vincent. 2001. Overview of the DjVu Document Compression Technology. Pp. 119-122 in Proceedings, SDIUT'01, Symposium on Document Image Understanding Technologies. Columbia, MD.

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## Report from the Chair of the Canadian National Committee for Cartography and the CIG Technical Councillor for Cartography

### Fall 2003

After eight years this will be my last report as Chair of the Canadian National Committee and as CIG Technical Councillor for Cartography. I wish to take the opportunity up front to thank a wonderful national and international community of professionals, scholars and practitioners for making these very rewarding years for me. It has been a privilege and a pleasure to serve both, for you and with you. I wish Dr. Jan Mersey my best as new Chair of Canada's National Committee. Norman Drummond always called this position the portfolio of many hats. I hereby pass the many hats on to you, Jan.

I wish to take this opportunity also to offer a few private thoughts. Working closely especially with the CIG, CCA and ICA has made me realize that the importance, need, role and value of different professional associations and societies change through time as the memberships' interests, values and expectations change. Traditional surveying and mapping disciplines pre-computing required one type of professional organizational structure. The new world of Geomatics has different requirements. In my eight years I have seen the demise of three provincial associations (OICC, PICS and Carto Quebec). Membership and participation in national organizations also have been ongoing issues, with a continuing search for ways to stay current and viable. The same is true at the international level –

something that was brought home again when reading the ICA's latest Strategic Plan (more on this later).

"Membership" and "Survival" appear to be the two motivating factors driving professional organizations. "Membership" – a group of people with a common interest – is what starts most professional organizations and what should be the driving force. "Survival" is what sometimes happens at the other end – when it is no longer altogether clear what the common interest is that bonds the membership of an organization together. A viable professional organization must have a membership driven by common interest. It must also offer value for money, be it information, a forum for meetings, professional opportunities, or a common voice to lobby. If all these criteria are met a survival strategy should not be necessary.

I applaud Australia and the United Kingdom. Here are two nations that recently have taken a hard look at their professional organizational structures supporting Geomatics. Both nations have re-organized to consolidate by forming strong national and inclusive voices. It has always been my dream to achieve the same in Canada. During my two terms, I have enjoyed especially working on initiatives that have brought the different Geomatics interests, societies and associations together. The formation of CAFICA as part of the ICA 1999 initiative, and the joint meeting of the *On the Edge Conference* in Victoria this year stand out. I see a logical connect between Canada's surveyors, geodesists, hydrographers, cartographers, remote sensors, GISers, map librarians, archivists, and any other group with a stake in Geomatics. I see the need for a common Canadian Geomatics voice to lobby and speak on everybody's behalf. I see the need for an organization of sufficient size properly to fund its ambassadors and representatives when they travel on official business. I see it as somewhat of a personal failure that the Canadian Geomatics players so far have not come together under a united umbrella. I feel certain that one day this will happen – just don't ask me when and how. I suspect that it will take all players to give up on the past to form a joint future, and/ or almighty carrots or sticks coming from somewhere. I will continue to watch the evolution and revolution of the professional organization of Canada's Geomatics players with interest. Enough of this!

#### On the Edge 2003:

Others already have summarized this conference held in Victoria in May. We surpassed our expectations. A note of thanks to everybody who attended! I am pleased to report that Geomatics played a prominent part in the conference's program. In hindsight it was fun to organize it all.

#### ICC 2003 Durban:

Alberta Wood has prepared a detailed summary of the conference. I will simply report highlights and kudos. Few from Canada attended. The conference's delegate list named seven. They were H. Schlichtmann, E. Siekierska, A. Wood, J. Anderson,

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L Pulsifer, F. Taylor and P. Keller. Low attendance may in part have been a reflection of the high cost associated with getting to and attending this meeting. Some interesting issues emerged.

It became obvious in Durban that the ICA is looking to broaden its mandate to participate in GIS beyond cartography and geo-visualization. Unfortunately most of the energy of the meeting went into discussing how to change the organization's name to accommodate a change in focus. Too little time was allocated to how this broadening could be achieved, how such a re-focussed ICA would fit in with other GIS players, and how the business of the association would change to reflect the changing interest. Another interesting action item concerns ICA publications. The ICA is working towards forming an official liaison with a number of journals to make them "official publication outlets of the ICA". One of the targeted journals is CARTOGRAPHICA. Finally, it is with mixed feelings that I inform you that the ICA decided not to go ahead with the merchandising worked on so hard by Alberta Wood. Weighing the financial risk and administrative issues underlying merchandising against possible financial gain, the Executive and Assembly ended up airing on the side of caution. Those of you who purchased ties and scarves from Alberta now hold rare and precious fashion items.

Let me take this opportunity on behalf of all of us to thank Alberta Wood for her time as one of the ICA's Vice Presidents. Alberta, your hard work and commitment was noticed and very much appreciated.

Canada's National report, published as GEOMATICA Volume 57 #2, 2003, was distributed to all international delegates at the national assembly. Feedback, where received, was very positive. Canada's National Map Exhibit arrived in time thanks to the dedicated hard work by Diane Lacasse and Claire Gosson. The maps looked great. Diane and Claire have noted a decline in submissions to the national exhibit from industry and private cartographers over the years. I hope that this trend will reverse for Coruña in 2005. ICC 2003 in Durban also had a large

display area dedicated to charts and charting. Canada's absence from this display was noted by some. Canada did, however, stand out in other parts of the map exhibition area. I especially enjoyed the attention given to Richard Purdy's map showing an Inversion of the World (<http://www.uqtr.quebec.ca/arts/urav/images/membres/Purdy/purdy1.jpg>). Congratulations also to Helen Kerfoot and others who made contributions to the Special Exhibit on Geographic Names. Canada's entries in the Children's Map Exhibit looked fabulous and I am thrilled to report that, once again, Canada walked away with one of the top awards. The winning map, entitled "United Pieces", was by four students from St. Philip School in Mississauga. The students' names are Rachelle Domingo, Michael Estalilla, Argielica Jumarang and Catherine Ambicki. Congratulations. The baton for organizing Canada's entries to the Children's Map Competition has been passed from Erin Richmond (now Erin Sebastians) to John Fowler. Again, thank you Erin for all your great efforts - and welcome John. Organizing the Children's Map Competition for Durban would not have happened without financial support from the FOCUS Corporation - thank you.

The next ICA meeting will be in Coruña, Spain in 2005. For more detail see <http://www.icc2005.org>. Judging by the Coruña Organizing Committee's display and hospitality in Durban, this will be a meeting not to miss. The 2007 meeting will be in Moscow, Russia.

Ciao  
Peter Keller

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## New Online Catalogue

Library and Archives Canada is pleased to announce a new online version of its catalogue of early maps of Canada.

Library and Archives Canada has been acquiring, preserving and commemorating the cartographic heritage of Canada since 1872. Today, these holdings include some of the earliest-known images of Canada and make up the largest cartographic description of our country.

Researchers can now access these national treasures via the Library and Archives Canada Web site at [www.archives.ca](http://www.archives.ca) and by clicking on "ArchiviaNet" and "Maps, Plans and Charts".

The catalogue provides bibliographic information on some 50,000 early maps, plans and charts; maps date from the early 16th century to the mid 1980s.

Some 1,500 of the maps have been digitized at a high resolution and then reduced in size using image compression software. With the click of a mouse, researchers can magnify the maps without loss of resolution. Further scanned images will be added to the catalogue on an annual basis. For more information, please contact:

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## Challenger Map Update

Tom Zillich reported in the July 29 issue of the *Westender* (a free Vancouver paper) that the Challenger Map may find a new home. (See previous articles about the Challenger Map in *Cartouche* No. 29 and 47) An advisory group has been formed to raise funds via a sponsorship program to help save this treasure.

The Group has a plan that would see the giant relief map installed in the lobby of the proposed convention centre to be located in the Coal Harbour area of Vancouver. In addition to the 80 by 76 foot relief model the display would include laser and video components and be surrounded by kiosks promoting British Columbia's products and services. Funds raised would help pay storage fees and refurbishing costs.

According to Zillich, George Challenger became interested in using relief maps as a method for finding ways to access isolated timber.



## Geomatics Institute AT FLEMING

Canadian Cartographic Association (CCA) Conference /  
Association Canadienne de Cartographie (ACC)



CCA 2004 ACC

## Geomatics—A Cartographic Revolution Géomatiques—Une Révolution Cartographique

Tuesday, June 8 to Thursday, June 10, 2004  
Du mardi, 8 juin au jeudi, 10 juin 2004

Lindsay, Ontario  
[www.geomaticsatfleming.ca/CCA2004/](http://www.geomaticsatfleming.ca/CCA2004/)

hosted by the Geomatics Institute and Fleming College /  
organisé par l'Institute de Géomatiques et Collège Fleming

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### CCA AWARDS

The Canadian Cartographic Association presents several awards each year to deserving members of the cartographic community which it serves. These awards are meant to recognize and encourage the achievements of outstanding individuals in the field.

⊗ **President's Prize Student Map Competition**

(\$100 prizes in several categories)

⊗ **Norman Nicholson Memorial Scholarship in Cartography**

(\$500 scholarship)

To recognize and encourage exceptional student achievement and ability in any aspect of cartography.

⊗ **Awards of Distinction** To acknowledge exceptional professional or scholarly contributions to the field of cartography or an exceptional contribution to the Association.

For information about eligibility and how to apply or nominate individuals for these awards see the CCA web site: [www.cca-acc.org](http://www.cca-acc.org) or contact any member of the executive.

### Prix de l'ACC

L'Association canadienne de cartographie présente, à chaque année, plusieurs prix à ses membres méritants. L'attribution de ces prix a pour but de reconnaître et d'encourager l'accomplissement exceptionnel d'individus dans le milieu cartographique.

⊗ **Le prix du Président pour la compétition des étudiants** (Des prix de \$100 pour différentes catégories.)

⊗ **Bourse Norman Nicholson** (Bourse de \$500) Bourse attribuée afin de reconnaître et d'encourager un étudiant pour son accomplissement exceptionnel et ses capacités dans tous les aspects de la cartographie.

⊗ **Prix de distinction** Prix pour reconnaître les contributions professionnelles ou académiques exceptionnelles dans le domaine de la cartographie ou pour une contribution exceptionnelle à l'Association.

Pour de plus amples renseignements concernant l'éligibilité, comment postuler ou proposer un candidat pour ces prix, s'il vous plaît, veuillez visitez le site web de l'ACC à l'adresse URL suivante: [www.cca-acc.org](http://www.cca-acc.org), ou veuillez contacter un membre du comité exécutif.

# The Canadian Cartographic Association L'Association canadienne de cartographie

www.cca-acc.org

NEW! TEMPORARY CCA Mailing Address / Nouveau! Adresse temporaire pour l'ACC

Please address all inquiries for the CCA secretary  
to Claire Gosson, President  
(see address below)

S'il vous plaît adresser tout demande pour la  
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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.cca-acc.org

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:

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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 outre-mers.

Les membres reçoivent la monographie trimestrielle *Cartographica*, publiée par le University of 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.cca-acc.org](http://www.cca-acc.org)