

# GEOLOG

The Newsmagazine of the Geological Association of Canada / Le Bulletin de l'Association géologique du Canada

Geological  
Association of  
Canada

Association  
géologique du Canada

c/o Department of  
Earth Sciences  
Département des  
Sciences de la Terre

Memorial University  
of Newfoundland

St. John's, NL  
Canada A1B 3X5

Tel: 709 864-7660

Fax: 709 864-2532

www.gac.ca

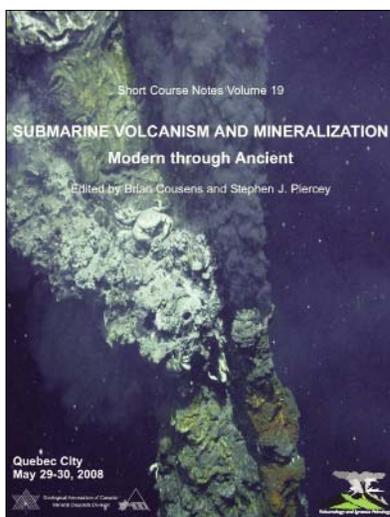


gac@mun.ca

## Secretary-Treasurer's report

The GAC serves its members and the larger earth science community with a wide range of geoscientific offerings, including the publication of a journal and newsmagazine, special publications, the Annual Meeting, short courses, NUNA conferences, lecture tours, and the programs of the various Sections and Divisions.

Before reporting on events of the present year, I will begin by briefly discussing some aspects of the annual meeting of 2009 not mentioned in my previous report. The Joint



**Short Course Notes 19: One of the new books now available through our website bookstore.**

Assembly, held in Toronto in May 2009, was jointly hosted by the American Geophysical Union (AGU), Geological Association of Canada (GAC®), Mineralogical Association of Canada (MAC), Canadian Geophysical Union (CGU), and International Association of Hydrogeologist-Canadian National Chapter (IAH-CNC). The scientific program was very broad, as intended for jointly sponsored meetings, and the scientific program was organised into 25 sessions under the following headings: [American Geophysical] Union, Atmospheric Sciences, Biogeosciences, Canadian Geophysical Union, Education and Human Resources, Geodesy, Geological Association of Canada, Geomagnetism and Paleomagnetism, Global Environmental Change, International Association of Hydrogeologists – Canadian National Chapter, Mineralogical Association of Canada, Near-Surface Geophysics, Nonlinear Geophysics, Ocean Sciences, Paleooceanography and Paleoclimatology, Seismology, SPA-Aeronomy, SPA-Solar and Heliospheric Physics, SPA-Magnetospheric Physics, Study of Earth's Deep Interior, Tectonophysics, Volcanology, Geochemistry and Petrology. This breadth of subject matter was much greater than most 'ordinary' GAC-MAC annual meetings, providing our members with the opportunity to become familiar with the cutting edge of research in a wide range of earth science and related sub-disciplines. The responses from a poll of the membership following the meeting suggested an approximately equal split of those who favoured such joint meeting with other earth science organisations on an irregular basis, and those who preferred the smaller 'normal' GAC-MAC meetings.

*(Secretary-Treasurer's Report continued page 4)*

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## GEOLOGICAL ASSOCIATION OF CANADA

The **MISSION** of the Geological Association of Canada is to facilitate the scientific well-being and professional development of its members, the learned discussion of geoscience in Canada, and the advancement, dissemination and wise use of geoscience in public, professional and academic life.

The **VISION** of the GAC® is to be a multidisciplinary scientific society supportive of the entire scope of the geosciences in Canada. The GAC® aims to be a geoscience community that is knowledgeable, professionally competent and respected, whose input and advice is relevant, widely sought and utilized, and whose vital contribution to the economic prosperity and social well-being of the nation is widely acknowledged.

La **MISSION** de l'Association géologique du Canada est d'aider au développement scientifique et professionnel de ses membres, de favoriser les échanges géoscientifiques au Canada ainsi que de promouvoir et de diffuser l'utilisation éclairée des géosciences dans un contexte public, professionnel et académique.

La **VISION** de l'AGC® est de faire connaître une communauté géoscientifique de grand savoir, dont les compétences professionnelles sont respectées, dont les suggestions et les avis sont pertinents, recherchés et utiles, et dont la contribution largement reconnue est considérée comme vitale pour la prospérité économique et le bien-être de la nation.

### GAC® Executive / Comité exécutif de l'AGC® 2010-2011

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Tel: 250-472-4481

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2010-2011

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GEOLOGICAL ASSOCIATION OF CANADA  
c/o Memorial University of Newfoundland  
St. John's, NL A1B 3X5  
Tel: 709 864-7660  
Fax: 709 864-2532  
E-mail: gac@mun.ca  
Web: www.gac.ca

## Editor / Éditeur

KAREN DAWE  
Geological Association of Canada  
Tel: 709 864-7660  
E-mail: kfmdawe@mun.ca

**GEOLOG** (ISSN 0227-3713; 1712-3747) is the quarterly newsmagazine of the Geological Association of Canada, St. John's, Newfoundland and Labrador.

GEOLOG is published for the benefit of GAC® members and its content reflects the diversity of the organization. News items and short articles on topics of potential interest to the membership including public geoscience awareness are encouraged. Also encouraged are communications promoting interaction among academic, industry and government sectors. GEOLOG accepts and publishes contributions in both of Canada's official languages. Opinions expressed herein are those of the writers and do not necessarily represent the official positions of the GAC®. GEOLOG is one of several forums provided by the GAC® for scientists worldwide.

**SUBSCRIPTIONS:** GEOLOG is one of the privileges of GAC® membership. To become a member, application forms are available by mail or fax from the Geological Association of Canada, or can be printed from the website.

**ADVERTISING:** Paid advertising is accepted. Digital copy is preferred. Contact the Editor for more information or go to the GAC® website and click on Publications then GEOLOG and look for the Rate Card.

**GEOLOG** (ISSN 0227-3713; 1712-3747) est le bulletin trimestriel de l'Association Géologique du Canada, à St. Jean, Terre-Neuve-et-Labrador.

GEOLOG s'adresse aux membres de l'AGC® et son contenu reflète le caractère polyvalent de cette organisation. Nous invitons la soumission de nouvelles et articles courts pouvant intéresser les membres, incluant les thèmes de sensibilisation du public aux sciences de la Terre. Les articles suscitant des échanges d'opinions et d'informations entre les secteurs académique, industriel et gouvernementaux sont également la bienvenue. GEOLOG accepte et publie les articles dans les deux langues officielles du Canada. Les idées sont celles des auteurs et ne représentent pas nécessairement la position officielle de l'AGC®. GEOLOG n'est qu'un des nombreux forums offerts par l'AGC® aux scientifiques à travers le monde.

**ABONNEMENT:** L'abonnement à GEOLOG est un des privilèges dont bénéficient les membres de l'AGC®. On peut se procurer un formulaire d'adhésion par courrier ou par fax en communiquant avec l'Association Géologique du Canada.

**PUBLICITÉ:** Nous acceptons la publicité rémunérée. Une copie prête pour la reproduction est préférable. Veuillez communiquer avec le Rédacteur en chef pour des renseignements additionnels à ce sujet.

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*Logan Medallist Chris Barnes accepts congratulations from GAC President Daniel Lebel at the 2010 GAC-MAC. A complete list of winners appears on pages 5-7 and 9. (Dave Hill photo)*

This GEOLOG benefits from the contributions and assistance of / Nous voulons souligner la contribution et l'assistance de: Stephen Johnston, Karen Johnston, Eleanor Penney, Toby Rivers, Sandra Barr, Shannon Acton, Dave Hill, and Sharon Roscoe. Apologies to any I have missed. Your contributions for future editions are welcome / Désolé pour ceux qui auraient été involontairement oubliés. Nous sollicitons vos contributions pour les publications à venir.

- KD

**(Secretary's Report continued from page 1)**

During the 2009, GAC Council and Executive met twice, once in Toronto in May 2009 and subsequently in Calgary in October 2009. Between these meetings, Councillors and committee members have been in regular communication through e-mail and monthly conference calls. All information concerning GAC events and business activities is available on the GAC website ([www.gac.ca](http://www.gac.ca)) maintained in St. John's.

It is a pleasure to acknowledge the financial and in-kind support provided to our Council by the following organizations. Without this valuable support it would be impossible for Council to conduct the business of the GAC.

Geoscience BC, Vancouver, BC

Department of Earth Sciences, Dalhousie University,  
Halifax, NS

Department of Geology, Acadia University, Wolfville, NS  
Department of Earth Sciences, Memorial University of  
Newfoundland, St. John's, NL

Kirkham Geosystems Ltd., Burnaby, BC

Talisman Energy, Calgary, AB

Yukon Geological Survey, Whitehorse, YK

Geological Survey of Canada, ON

School of Earth & Ocean Sciences, University of Victoria,  
Victoria, BC

SIDEX, Montréal, QC

Manitoba Geological Survey, Winnipeg, MB

Canada-Nunavut Geoscience Office, Iqaluit, NU

Environment Canada, Dartmouth, NS

Silver Spruce Resources Inc., NL

NWT Geoscience Centre, NT

Ordre des Géologues du Québec, QC

Department of Geological Sciences, University of  
Manitoba, MB

**CORPORATE SUPPORT (2009-2010)**

The Association acknowledges with gratitude the following corporations for their financial support in 2009-2010:

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**Universities**

Acadia University

Institute nationale de la recherche scientifique (INRS)

University of Calgary

Université du Québec à Montréal

University of Toronto

University of Waterloo

Utah State University

**PUBLICATIONS**

The following new publications have been produced over the past year and are available GAC Bookstore:

- *Submarine Volcanism and Mineralization: Modern through Ancient* (Short Course Notes number 19 edited by B. Cousens and S. Piercey)
- *Application of Till and Stream Sediment Heavy Mineral and Geochemical Methods* (Short Course Notes number 18 edited by R. Paulen and I. McMartin)
- *Palaeontographica Canadiana* monograph "The Crinoidea of Anticosti Island, Quebec (Late Ordovician to Early Silurian) (number 29 by W. Ausich and P. Copper)

Geoscience Canada editor, Reginald Wilson, and GEOLOG editor Karen Macfarlane continue their dedicated service to GAC.

Total number of publications distributed in 2009, including those sold on behalf of our Sections and Divisions and other publishers: 2,589, as compared to 2,923 in 2008.

## MEMBERSHIP

Individual membership at the end of April 2010 was 1693 compared to 1661 in April 2009. Corporate membership at the end of April 2010 was 23 compared with 27 in the previous year.

GAC Council notes, with regret, the passing of the following members: **William Belovay, Roger A. Blais, James T. Fyles and J. W. Gillis.**

GAC continues to stress the importance of attracting student membership through discounted memberships and conference fees. Logan Student Chapters have been established at 7 campuses and all are active. Students and Faculty are encouraged to contact GAC Headquarters (gac@mun.ca) to obtain additional information.

**Logan Student Chapters** are at the following institutions:

Acadia University  
University of Alberta  
University of British Columbia  
Carleton University  
Dalhousie University  
Lakehead University  
York University

GAC also awards prizes annually to students enrolled in **BSc Earth Science** programs at Canadian universities. The 2010 winners were:

Robin Westland – Acadia University  
Matthew D. R. Primmer – University of Alberta  
Daniel Abraham Beer Torchinsky – University of British Columbia  
Ryan Harvey – Brock University  
Benjamin Collins – University of Calgary  
Anna Smetny-Sowa – Carleton University  
Anne Belanger – Dalhousie University  
Josiane Tanguay – École Polytechnique  
Taylor Maavara – Guelph University  
Katarina Bjorkman – Lakehead University  
Kathleen McDonald – Laurentian University

Marie-Michèle Nadeau – Université Laval  
Laura Pisiak – University of Manitoba  
Eleanor Berryman – McGill University  
Peter Tschirhard – McMaster University  
Bradley Evans – Memorial University  
Dan MacIsaac – University of New Brunswick  
Virginie Daubois – Université du Québec à Montréal  
Cheyenne Sica – Queen's University  
Susan Biss – University of Regina  
Garrett LePoudre – University of Saskatchewan  
Timothy Peters – Simon Fraser University  
Luke Bickerton – St. Francis Xavier University  
Mubee Muhtar – University of Toronto  
Danielle Mountjoy – University of Victoria  
Peng Jiang – University of Waterloo  
Olivia Greaves – University of Western Ontario  
Evan Hastie – University of Windsor

## MEDALS AND AWARDS

GAC awards a number of prestigious medals to Canadian and international geoscientists. The 2010 medals were awarded at the GAC Luncheon in Calgary to the following individuals:

**Logan Medal:** Christopher Barnes, University of Victoria, Victoria, BC

**W.W. Hutchison Medal:** Octavian Catuneanu, University of Alberta, Edmonton, AB

**E.R. Ward Neale Medal:** Jane Wynne, Geological Survey of Canada, North Saanich, BC

**J. Willis Ambrose Medal:** Brian Jones, University of Alberta, Edmonton, AB

The **Yves O. Fortier Earth Science Journalism Award** was awarded to Randy Boswell, CanWest News Service, for his article entitled “Lost World”.

**Jérôme H. Remick Poster Awards.** Cash awards and certificates of merit are presented at each annual meeting to the presenters of outstanding posters. The Jérôme H. **(Secretary-Treasurer's Report continued page 6)**

## Information for Contributors/Directives aux Auteurs

Submissions are preferred as digital files sent as e-mail attachments to kfm daw e@mun.ca or on a disc via the post to the Editor. Discs will be returned if sent with self-addressed mailer. Documents should be sent as unformatted text (\*.doc, \*.txt or \*.rtf) files. Graphics should be as CorelDraw (\*.cdr) or Acrobat (\*.pdf) file types, and images should be at 300 dpi, RGB colour without internal compression (preferably \*.tif). Files greater than 2MB should be compressed or zipped before sending via e-mail. Additional information on other file formats can be obtained from the Editor. Hard copy text, graphics and photo images are also welcome. **All contributions may be edited for clarity or brevity.**

### Submission Deadlines for 2011:

March./Mars 5, June/Juin 4, October/Octobre 10 and/et November/Novembre 26.

Nous préférons que les articles nous soient soumis sous forme de fichiers numériques, annexés à un courriel, ou sur disquette, par courrier conventionnel adressé au Rédacteur en Chef. Les disquettes seront retournées si elles sont accompagnées d'une enveloppe affranchie avec adresse de retour. Les documents doivent nous parvenir en version texte non formaté (\*.doc, \*.txt ou \*.rtf). Les graphiques doivent avoir un format CorelDraw (\*.cdr) ou Acrobat (\*.pdf), et les images doivent avoir une résolution de 300 dpi dans un format non comprimé (préférentiellement \*.tif). Les fichiers de dimensions supérieures à 2 Mo doivent être comprimés avant envoi par courriel. Veuillez communiquer avec le Rédacteur en chef en ce qui concerne la possibilité d'utiliser d'autres formats. Nous acceptons aussi une copie imprimée sur papier du texte, graphiques et images. **Le Rédacteur en chef se réserve le droit de modifier l'article à des fins de clarification ou de brièveté.**

**(Secretary's Report continued from page 5)**

Remick III Trust Fund supports these awards. The awards at GeoCanada 2010 were:

*Gold:* Jounada Oueity, University of British Columbia, Vancouver, BC

*Silver:* Kristi Medig, Simon Fraser University, Burnaby, BC

*Bronze:* Brett Hamilton, University of Calgary, Calgary, AB

**50 Year Member Awards:** Alan Grant, Roger Macqueen, William Poole, Nels Vollo, Donald Smellie.

**Mary-Claire Ward Geoscience Award:** Joel Cubley, University of Calgary, Calgary, AB

**Certificate of Appreciation.** The award recognizes those members and non-members who have made a significant contribution through voluntary service to the Association. The award consists of a certificate of achievement and this year was not awarded in 2010.

**Distinguished Service Award.** The Distinguished Service Award recognizes an outstanding contribution to GAC through volunteer work. The award consists of a plaque with the GAC logo, the name of the winner and the particular contribution being recognized. The 2010 awards were presented to:

*Karen MacFarlane* for her work as GEOLOG Editor.

*Reginald Wilson* for his service to GAC Council and the numerous committees he sat on. Also for his work as Geoscience Canada Editor.

**Divisional Awards**

**Duncan R. Derry Medal.** This is the highest award bestowed by the Mineral Deposits Division. It is awarded annually to an outstanding economic geologist who has made significant contributions to the science of economic geology. This year's recipient is: Norman Duke, University of Western Ontario, London, ON

**William Harvey Gross Award.** This is bestowed annually by the Mineral Deposits Division to a scientist under 40 years of age who has made a significant contribution to the field of economic geology in a Canadian context. This year's recipient is: Sarah Gleeson, University of Alberta, Edmonton, AB.

**The Julian Boldy Certificate Award.** Award for the most significant and creative paper presented at the Mineral Deposits Division session at the annual meeting was presented to: Information Unavailable

**The Léopold Gélinas Medal.** The Volcanology and Igneous Petrology Division of the Geological Association of Canada annually presents three medals for the most outstanding theses, written by Canadians or submitted to Canadian universities, which comprise material at least 50% related to volcanology and igneous petrology.  
*Gold medal* – Gillaume Girard, University of Iowa, Iowa City, IA, USA. Thesis: "The dynamics of post-collapse magmatism at rhyolitic calderas: analogue experiments and geochemistry of Yellowstone lavas"  
*Silver medal* – Thomas Mumford, Carleton University, Ottawa, ON. Thesis: "Dykes of the Moose Creek Valley,

## Howard Street Robinson Fund

The Robinson Fund was established in 1977 by the Geological Association of Canada, using a bequest from the estate of Howard Street Robinson. The fund is dedicated to the furtherance of scientific study of Precambrian Geology and Metal Mining by:

\* sponsoring an annual Distinguished Lecturer Tour whose focus alternates between Precambrian research and economic geology (lecturer alternately chosen by the GAC®'s Precambrian and Mineral Deposits divisions);

\* supporting Special Projects including publications, symposia and conferences.

Proposals for special projects on Precambrian Geology or Metal Mining should be submitted to the Robinson Fund Committee. Projects should be sponsored or organized through the GAC® or one of its Divisions or Sections. Proposals that have a wide appeal or degree of accessibility to the GAC® membership are preferred.

For further information and proposal submissions, please contact:

**Benoit Dube, Chairman, Robinson Fund**  
c/o Geological Survey of Canada  
490 rue de la Couronne  
Québec (Québec) G1K 9A9  
418 654-2669  
bdube@nrcan.gc.ca





*Some of the 2010 National Award Winners and their presenters. (Shannon Acton photo)*

Ice River Alkaline Complex, southeastern BC”  
**Bronze medal** – Robert Cundari, Lakehead University ,  
 Thunder Bay, ON. Thesis: “Geology and Geochemistry of  
 the Devon Volcanics South of Thunder Bay, Ontario.”

**The Career Achievement Award** of the Volcanology and  
 Igneous Petrology Division for 2010 has been awarded to:  
 Kelly Russell of University of British Columbia

**Michael J. Keen Medal.** The medal is normally awarded  
 annually by the Marine Geosciences Division to a scientist  
 who has made a significant contribution to the field of  
 marine or lacustrine geoscience. The 2010 recipient is:  
 John Hughes Clarke, University of New Brunswick,  
 Fredericton, NB.

**Pikaia Award.** The Paleontology Division awards this  
 medal biennially for sustained research in paleontology.  
 The 2010 recipient is: Jean-Bernard Caron, Royal Ontario  
 Museum, Toronto, ON.

**Jack Henderson Prize.** The Jack Henderson Prize of the  
 Structural Geology and Tectonics Division is awarded for  
 the best Ph.D. thesis and the best M.Sc. thesis. The 2010  
 recipient is:  
*Best PhD thesis:* Kyle P. Larson, Queen’s University  
*Best M.Sc. thesis:* Jennifer Anne Macauley, University Of  
 Toronto,

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**J. Ross Mackay Award.** This award is presently annually  
 by the Canadian Geomorphology Research Group in  
 recognition of a significant achievement by a young geo-  
 morphologist within Canada. The purpose of the award is  
 to foster the development of geomorphology in Canada  
 and to provide recognition of young scientists in this field.  
 The 2010 recipient is: Steve Kokelj, Indian and Northern  
 Affairs Canada, Yellowknife, NWT.

**Olav Slaymaker Awards.** These awards are given for the  
 best student oral paper and best student poster presented at  
 the Canadian Geomorphology Research Group Annual  
 Meeting. The 2010 recipients are: *Best Student Oral  
 Presentation:* Graham Clark, University of Guelph,  
 Guelph, ON; *Best Student Poster:* Information unavailable

**Geophysics Division Student Awards** are given for the  
 best oral and poster presentation at the annual meeting.  
 The 2010 recipient is: Jounada Oueity, University of  
 British Columbia, Vancouver, BC

## COMMITTEES

The following standing committees were active in 2009-  
 2010.

*(Secretary-Treasurer’s Report continued page 9)*

GEOLOG

## George Mitchell Furnival (1908-2010)

**B**orn at a time when world travel was still rare, George Furnival truly became a world traveller. His resume reads like an atlas. Before he passed away at the age of 102, he had made his mark in a wide range of petroleum and mining organizations.

George, dearly beloved father, grandfather and great grandfather, passed away peacefully July 29, 2010. He was born on July 25, 1908 to parents William George and Grace Una (Rothwell). He graduated with his B.Sc. in 1929. His M.A. followed in 1933 from Queen's University, and Ph.D. in 1935 from Massachusetts Institute of Technology. Ph.D. George is predeceased by his wife, Marion Marguerite (Fraser).

George's employment history is comprehensive and varied.



*(Submitted photo)*

For 9 years employed by Government Department of Mines and by mining companies as Field Geologist 1927-36; Assistant Mine Superintendent., O'Brien Mining, 1936-39; Geological. Survey of Canada 1939-42; for 28 years served Standard Oil of California (Chevron) 1942-70, teams under his direction making significant petroleum discoveries in Alberta, Manitoba, Trinidad, Columbia, and Australia, while holding various positions including: Vice President and Director of California Standard Alberta 1950-55, President and Director Dominion Oil Trinidad, 1952-60; Director and Vice President Exploration, Chevron Overseas Petroleum (San Francisco), 1955-63; Assistant, Land, to Vice President Exploration and Land, Standard Oil of California San Francisco 1958-63; Chairman and Managing Director West Australian Petroleum Perth W.A., 1963-70, and inclusively, from 1953-70 (as Vice-President Exploration, and Director of various subsidiaries), directing numerous offshore seismic and drilling programs in Trinidad, Bahamas, Guatemala, Br. Guyana, Cuba, Belize, Ecuador, Peru, and Australia; Director of Mines, Province of Manitoba 1946-47, drafted Manitoba's first comprehensive petroleum legislation and founded the Manitoba Geological Survey; established Consulting practice in Calgary 1971-72; Vice President Operations Director, Brascan Resources 1973, member Executive Committee, Senior Vice President 1975 also President and Director Coalition Mining, Senior Consultant 1977; President, CEO and Director, Western Mines 1978-80 discovered a major base metal/precious metal orebody at Myra Falls Mine, Vancouver Island; Executive Vice President, General Manager and Director, Westmin Resources 1981-82, President and Director, Western Coal Holdings; President, Chief Operating Officer & Director, Lathwell Resources 1983-85.

George was recipient of the Distinguished Service Award 1974, Petroleum Society, and the Selwyn G. Blaylock Gold Medal 1979, Canadian Institute of Mining and Metallurgy; Order of Canada 1982; Centennial Award, Association of Professional Engineers, Geologists and Geophysicists of Alberta 1985; The Queen Elizabeth II Golden Jubilee Medal 2002; Alberta Centennial Medal 2005.

George was author of Geological Survey of Canada Memoir 242 (a standard university reference text).

Among the clubs to which he belonged were: Ranchmen's; Calgary Petroleum; Calgary Golf & Country.

**(Secretary's Report continued from page 7)**

*Awards Committee:* (Tim Corkery, Carolyn Relf, Daniel Lebel, Stephen Johnston, John Gosse, Eileen van der Flier-Keller and Karen Johnston) accepted nominations and decided on the recipients of the national medals. The next deadline for these and many other medals and certificates offered by the Association is December 30, 2010.

Information on submitting nominations can be found on the GAC website at

<http://www.gac.ca/MEDALS/medal.html#awards>.

Nominations may be submitted on-line via the website.

*Communications Committee:* (Tim Corkery, Eileen van der Flier-Keller, John Hinchey, Garth Kirkham, Shannon Acton and John Gosse) was active in promoting earth science and science education in Canadian schools (K-12), public awareness of science issues, reviewing university nominations for student prizes and reviewing applications for GAC Student Chapter grants.

*Finance Committee:* (Michel Champagne, Toby Rivers, Shannon Acton, Georges Beaudoin and Karen Johnston) oversaw the investments of the Association and its financial planning.

*Science Program Committee:* (Don James, Andrew Miall, Mark Cooper, Andrew Holder, John Nieto, Simon Hanmer, Andy Kerr, Nancy Chow, Mike Hamilton and Shannon Acton) carefully attended to details for annual meetings scheduled until at least 2013.

*Nominating Committee:* (Carolyn Relf, Lyn Anglin, Robert Marquis and Karen Johnston) sought candidates for positions as Officers and Councillors of the Association.

*Logan chapters:* Leslie Reid

*Publications Committee:* (Keith Dewing, Reg Wilson, Karen MacFarlane, Carolyn Relf, Karen Dawe, Garth Kirkham, John Greenough, Robert Linnen plus ex-officio members Toby Rivers and Michel Champagne) supervised GAC publications over the past year. Reg Wilson took over from Steve McCutcheon and Sonya Dehler as the editor of Geoscience Canada, with Chris Pereira and Karen Dawe taking on the role of Managing Editors. Karen MacFarlane is the editor of GEOLOG. Sandra Barr is GAC's Books Editor.

*Audit Committee:* (Garth Kirkham, Stephen Johnston)

*Safety Committee:* (Stephen Johnston, Donald James, John Hinchey and Karen Johnston)

**HEADQUARTERS OPERATIONS**

GAC Headquarters in St. John's is operated by a staff of three dedicated long-time employees. Karen Johnston, Finance and Administration Manager, has overall responsibility for operations and financial management, Eleanor Penney is responsible for membership matters and the on-line conference registration system, and Karen Dawe is the Publications Director and manages book and periodical production, order fulfilment and marketing. In addition, Janet Hale is employed in a part-time capacity.

**FINANCIAL REPORTS**

**2009 Audit**

The 2009 audited financial statements were prepared by the Association's auditors, Gardner Coombs Winsor Coombs, and were delivered to the Association on March 8th, 2010. The information was made available to members via the GAC website (members section) together with notice of the Annual Business Meeting. In fiscal year 2009 the Association recorded a profit of ~\$63000, increased from the 2008 deficit of \$49000. The profit was due largely to two reasons: GAC's revenue share from the Québec 2008 meeting was higher than predicted, and the expenses associated with the production of Facies Models 4 were delayed into fiscal year 2010-2011.

The unrestricted net assets (members' equity) for the Association stand at \$513,858, down from the 2008 level of \$532,161. Other restricted assets of the national GAC are held in four trust funds: the Yves O. Fortier Fund (\$17,776), the Student Internship Fund (\$186,958), the Jérôme H. Remick III Trust Account (\$366,914) and the Howard Street Robinson Trust Account (\$301,488). The Remick fund has increased in value during 2009. The market is slowly coming back and our funds are now at the level they were in 2008.

**2010 Budget**

The Association is predicting a large deficit of -\$84,000 in 2010, mainly due to the small revenue share of the profit from the 2009 Joint Assembly and because of the significant costs associated with the planned printing of Facies Models 4. Council considers that the printing of Facies Models 4 is in an investment into GAC's future.

**DIVISIONS & SECTIONS**

Many of the Divisions publish informative newsletters where detailed reports and topical information can be found. As well, many of the Sections and Divisions have web sites that can be accessed from the GAC website at <http://www.gac.ca>.

By **Toby Rivers**, Secretary-Treasurer, St. John's  
Newfoundland and Labrador, May 2010

# Annual Invitation for Grant Applications

**The Canadian Geological Foundation (CGF)** invites all interested parties to submit grant proposals for the next round of grants selection (see deadline and other information below). The Foundation was established in 1968 as a non-profit, charitable organization dedicated to assist in the development of geological sciences in Canada. In principle, grants are made only in support of activities of national interest and broad significance, with emphasis on those of long-term importance. Grants are made only on the basis of written applications giving a summary and detailed budget of the proposed project. The Foundation disburses more than \$150,000 annually.

Worthy projects are broadly those that meet one or more of the following criteria:

- .....promote public interest in the value of geological sciences to society
- .....aim to provide training to high school teachers in the field of earth sciences
- .....further the application of geological sciences to the development of natural resources through national seminars and conferences
- .....provide career education through the preparation of booklets on geological sciences
- .....support for the publication of special scientific papers involving national cooperation
- .....result in publication of general geology textbooks, displays, videos and films emphasizing Canada and involving national co-operation. And
- .....involve geological societies in co-operative projects of national, long-term significance

Starting in 2010, CGF made some significant changes to its granting procedures. The most visible change to CGF project proponents is a move to a three-tiered grant system related to the size of the grants being requested. Grant requests will be evaluated in competition with other requests within the same tier. For example, small grant proposals will initially be in competition with other small grant proposals for the share of that year's disbursement total allocated to this tier. Adjustments to the totals within each tier may be considered at the recommendation of the grant selection committee.

The three tiers are:

**Small Grants <\$10,000** Grants of less than \$10,000 have been the norm for CGF historically and it is anticipated that small grants will continue to be an important part of our disbursements with the largest number of individual grants. The granting application and approval system will have the same criteria, scope of project and application procedures as in the recent past. Our target for small grants is approximately 30% of the annual quota.

**Medium Grants \$10,001-\$30,000** Until recently, CGF has not had the resources to consider grants in the range \$10,000 to \$30,000. However, the foundation is now sufficiently endowed to consider making a few somewhat larger grants in any given year. These grants will allow proponents to consider making proposals of a more substantial nature. Granting application and approval systems for these grants will be similar to our current systems. Notionally, we expect to set aside about 45% of the annual quota, although because the individual grants are larger, there will be fewer of them available than the small grants.

**Large Grants** The foundation will consider making one larger grant per year of up to \$45,000. These grants, because of their size, will allow a broader scope of work than the small and medium grants and will also require a more rigorous application and budget. Large grants will only be available to institutions or associations with capability to carry out large projects.

In addition, the foundation is now willing to consider the possibility of **Multi-Year Grants** (ie approval of a continuing grant for specific amounts to be paid in each of up to 4 years). Such grants will provide an opportunity for applicants with a specific need for a multi-year as opposed to a single year larger grant. The rationale for a multi-year grant will need to be strong, well justified, and with clear milestones. A multi-year grant would be appropriate for projects with a long lifespan and well developed expenditure milestones or a well defined series of events that can serve as milestones. The annual expenditures for the project would be allocated in each year to the money available for small or medium sized projects (depending on the annual expenditure). These grants will require a separate, more rigorous application process, with strict milestones and deadlines.

Each application for a grant is appraised on its own merits in relation to the general objectives of the Foundation and the monies available within the tier of the proposal. The Secretary must receive all applications before March 31. For any given year, all recommendations of the Grants Committee are first considered for approval at our Annual Meeting and by the Board of Directors at its Spring meeting at the annual GAC-MAC meeting. Applicants are notified within one month of the Directors' meeting. Results of the competition are published each year in *GEOLOG* and will be posted on the CGF web site.

Application forms and detailed instructions are available on the CGF website at [www.canadiangeologicalfoundation.org](http://www.canadiangeologicalfoundation.org)

Applications should be submitted electronically to the Secretary. Applicants are urged to read the instructions completely to ensure that their application meets the Foundation's grant criteria and that it is properly completed. Incomplete applications will not be returned for correction.

Queries about the **Canadian Geological Foundation** should be addressed to the Secretary:

Dr. Stephen Johnston; School of Earth & Ocean Sciences  
 University of Victoria; P.O. Box 3055  
 Victoria, BC V8W 3P6  
 Tel: (250)-472-4481; Fax: (250)-721-6200; Email: [stj@uvic.ca](mailto:stj@uvic.ca)