

Medals and Awards

Sections and Divisions Awards

Paleontology Division *Pikaia* Award

The *Pikaia* Award is named after *Pikaia*, an early cephalochordate known from the Burgess Shale. The *Pikaia* Award is awarded biennially in even-numbered years by the Paleontology Division. It is awarded in recognition of a recent contribution to research on any aspect of Canadian paleontology, or by a Canadian to paleontology that is judged to constitute an outstanding accomplishment in the field.



This year, we are thrilled to announce that **Dr. Matthew Clapham**, a Canadian researcher who is currently serving as a professor in the Department of Earth and Planetary Sciences at the University of California, Santa Cruz, has been given the *Pikaia* Award. Congrats to Dr. Clapham!

Originally hailing from British Columbia, Dr. Clapham has an impressive experience in a range of paleontological fields. He holds a B.Sc. (2000) in geology from the University of British Columbia, an M.Sc. (2002) in paleontology from Queens University, and a Ph.D. (2006) from the University of Southern California. His research has tackled some of the biggest questions in paleontology, including the origin and evolution of the oldest animal ecosystems, the severity and selectivity of mass

extinctions, and how fossil morphology can be used as a proxy for oxygen levels in deep time. He has published over 45 articles in peer reviewed journals, including articles in *Science*, *PNAS* and *Proceedings of the Royal Society B*. In the words of his nominators, "With his outstanding research achievements and extensive service to paleontology, Matthew is a unique talent who is a natural for receipt of the 2020 *Pikaia* Award."

Precambrian Division Howard Street Robinson Medal

The Howard Street Robinson Medal recognizes a respected and well-spoken geoscientist who will further the scientific study of Precambrian Geology or Metal Mining through presentation of a distinguished lecture across Canada. The medal is named in honour of Howard Street Robinson, a founding member of the GAC®, whose bequest to GAC® in 1977 of approximately \$100,000 makes the lecture tour possible. The bequest was "for the furtherance of scientific study of Precambrian Geology and Metal Mining". The GAC®'s Mineral Deposits Division and Precambrian Division award the medal in alternate years. In 2020, the Medal is presented by the Precambrian Division to Dr. Elizabeth C. Turner, Laurentian University, Sudbury, Ontario

Citation: Dr. Turner's research centres on the tectonostratigraphic, paleoenvironmental, and paleobiological evolution of Proterozoic and Paleozoic sedimentary basins, and what controls their potential to host ore deposits. Her expertise is founded in 30 years of remote mapping and stratigraphic work in Canada's north, and in detailed microanalytical studies of depositionally

Cont'd on p. 4

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.

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J. Willis Ambrose Medal

Student Awards / Prix étudiants

Mary-Claire Ward Geoscience Award

Jerôme H. Remick Poster Awards

Eric Mountjoy Exchange Award

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J. Ross Mackay Award

Olav Slaymaker Awards

Geophysics Division—

Geophysics Division Student Award

Canadian Sedimentology Research Group—

Middleton Medal

Marine Geosciences Division—

Michael J. Keen Medal

Mineral Deposits Division—

Duncan R. Derry Medal

William Harvey Gross Award,

Julian Boldy Certificate Awards

Paleontology Division—

Elkanah Billings Medal

Pikaia Award

Precambrian Division / Mineral Deposits Division —

Howard Street Robinson Medal

Canadian Tectonics Group—

Jack Henderson Prize for Best Thesis, Ph.D. and M.Sc.

Dave Elliott Best Paper Prize

Volcanology and Igneous Petrology Division—

Career Achievement Award

Léopold Gélinas Medal, Ph.D., M.Sc. and B.Sc.

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GEOLOGICAL ASSOCIATION OF CANADA
c/o Dept. of Earth Sciences, Memorial University of Newfoundland
St. John's, NL A1B 3X5
Tel: 709-737-7660
Fax: 709-737-2532
E-mail: gac@mun.ca
Web: www.gac.ca
Editor / Éditeur
ALWYNNE B. BEAUDOIN
c/o Royal Alberta Museum
9810-103A Avenue, Edmonton, AB T5J 0G2
E-mail: Alwynne.Beaudoin@gov.ab.ca

GEOLOG (ISSN 0227-3713; 1712-3747) is the quarterly news-magazine 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.

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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.

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Acknowledgements and Thanks

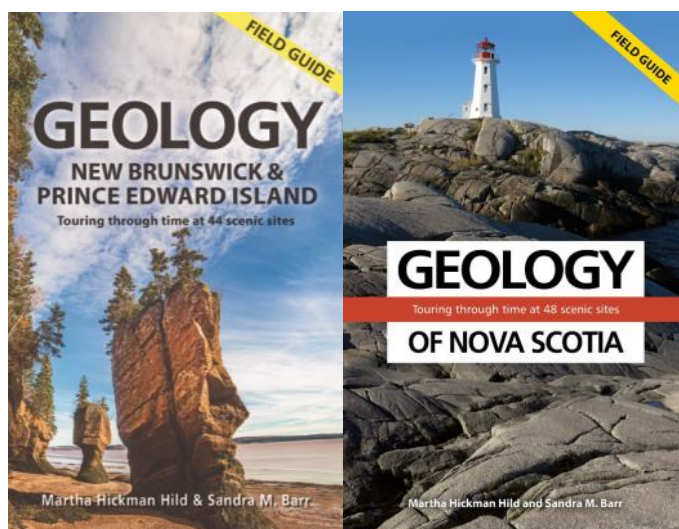
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Contributions for next issue

Please send items for the next issue of *GEOLOG* by e-mail to Alwynne.Beaudoin@gov.ab.ca by **December 1 2020**.

Sandra Barr inducted into the Science Hall of fame

Dr. Sandra Barr, from Acadia University, was recently inducted in Nova Scotia's Discovery Hall of Fame. For more on this well-deserved award, please see page 9.



In the meantime, did you know that, in addition to her science publications and long-time service as GAC's editor, Sandra Barr has also published popular books to bring geology to the public? For further information, see <https://boulderbooks.ca/authors/martha-hickman-hild-sandra-barr/>

Cont'd from p. 1



and diagenetically complex sedimentary rocks. Areas of special focus in the Precambrian have been the Neoproterozoic of the Mackenzie Mountains (NWT), the Mesoproterozoic of northern Baffin Island (Nunavut), and lately, Neoproterozoic puzzles in the Central African copper belt (Zambia and the Democratic Republic of Congo). Dr. Turner received B.A. and B.Sc. degrees from University of Toronto (1988 and 1991), and a Ph.D. from Queen's University in Precambrian carbonate sedimentology and paleobiology (1999). After a post-doctoral fellowship at the University of Alberta on modern spring precipitates, she assumed a position at the newly established Canada-Nunavut Geoscience Office in Iqaluit, mapping in the Paleozoic-hosted Cornwallis Zn district of Nunavut's Arctic archipelago. Dr. Turner has been at Laurentian University since 2005, teaching paleontology, carbonate sedimentology, and Earth history, and fostering an international-caliber research group focussed primarily on Precambrian basins and their economic potential.

Canadian Sedimentology Research Group Middleton Medal

The Middleton Medal for Sedimentology is awarded biannually by the Canadian Sedimentology Research Group. The medal is named in honour of Gerard V. Middleton, a Canadian pioneer in academic sedimentology, and recognizes either an outstanding long-term contribution or a seminal contribution to any aspect of sedimentology by a Canadian or a sedimentology researcher working in Canada. The 2020 Middleton Medal is awarded to **Dr. James MacEachern**, Simon Fraser University.

Citation: James MacEachern has dedicated his career to the advancement of sedimentology in Canada and



abroad. Dr. MacEachern is well known for developing ichnology and integrating it with sedimentology and sequence stratigraphy. James began his career at the University of Regina, where he completed both his B.Sc. (1982) and M.Sc. (1987) degrees. He completed his Ph.D. at the University of Alberta under the supervision of the late George Pemberton. At the University of Alberta, James moved to the forefront of integrated sedimentological-ichnological research and earned his Ph.D. in 1994. His seminal work during and since his Ph.D. established the many uses of ichnology in facies analysis and sequence stratigraphy. His syntheses regarding the ichnofacies concept have enabled non-ichnologists to integrate ichnology in their own sedimentological research. Simply stated, Professor MacEachern's efforts have driven the international recognition that ichnological and sedimentological datasets must be integrated to fully understand the origins of sedimentary rocks. As a result, his research is internationally followed and recognized. In addition, James is one of the founding faculty of the Department of Earth Sciences at Simon Fraser University for which he has developed most of the sedimentology program. James has supervised several graduate students, many of whom have gone on to successful careers in the geosciences.

Student Awards

Jerôme H. Remick Poster Awards

The purpose of the Remick Poster Awards is to acknowledge the growing use of posters as a legitimate geoscience communication vehicle, and to encourage higher standards by recognizing the best posters at any given meeting. Our **Jerome H. Remick III Poster Competition** took place at GeoConvention 2020 in September. We had a very large number of student

posters this year and needed a record 13 judges from 12 different institutions from all over Canada to take part in the judging. The posters represented a huge variety of subjects, and as always it was wonderful to see the high-quality student work being done everywhere. Since we had participants from so many different societies we wanted to reflect the breadth of participation in the poster presentations, therefore, we are awarding eight Honourable Mention awards along with the first three prizes instead of our usual five. Congratulations to all our award winners and all the students who presented at GeoConvention 2020!

Gold (1st place)

Kade Damant, Eva Enkelmann, William Matthews, and Kelley Fraser
University of Calgary

Bedrock exhumation across the Columbia River Fault near Revelstoke, BC

Silver (2nd place)

Kareem Ramzy Aboyanah¹, Yunkun Wang¹, **Evangeline Eldridge**², Ryan Dormer², and Bernhard Mayer²
University of Toronto¹, University of Calgary²

Geomechanical assessment of potential gas leak pathways: a numerical modeling study on caprock integrity of natural gas storage site

Bronze (3rd place)

Patricia Fraino and Bill Arnott
University of Ottawa

Does One Model Fit All? Exploring Factors that Influence the Stratigraphic Evolution of a Deep-Water Channel-Levee Complex System

Honourable Mentions (alphabetical order)

Alexander Ani and Dave Keighley
University of New Brunswick

Diagenetic sequestration of trace and toxic elements in phosphatic oil shale precursor, from the Green River Formation, Uinta Basin, Utah

Chantel Biegler, Peter Dunfield, and Angela Smirnova
University of Calgary

The Ecology of the Phototrophic Community over Time in Base Mine Lake

Tianna Groeneveld and Erin Walton
MacEwan University

Insights into the Post-Impact Hydrothermal System at the Chicxulub Impact Structure, Mexico

Glenn Hall, Anton Skorobogatov, Angus Chu, Edwin Cey, and Jennifer He
University of Calgary

Determining the recharge potential of a Low Impact Development system under seasonally frozen conditions

Cedar Hanneson and Martyn Unsworth
University of Alberta

Magnetotelluric exploration in the southeastern Canadian Cordillera: Regional-scale crustal structures associated with geothermal systems

Nicole Harris¹, Hilary Corlett¹, Murray Gingras², David Hoch², Hazel Vallack³, and Fiona Whitaker³
MacEwan University¹, University of Alberta², University of Bristol³

Characterization of bioturbation and biota and in a modern inner ramp setting, Abu Dhabi, United Arab Emirates

Tatiana Mijajlovic, Xie Xue, and Erin Walton
MacEwan University

A Revised Shock History for the Youngest Unbrecciated Lunar Basalt – Northwest Africa 032

Louise Rush, Daniel Kontak, Ross Sherlock, and Shawna White
Laurentian University

Constraining potential metal zonation trends and origin of the enigmatic Ag-Ni-Co-As-Bi mineralization of Cobalt, Ontario

Milestones, Memories, and Tributes

Grant McAdam Young 1937 –2020

Grant Young, an outstanding, internationally recognized Geoscientist, and longtime member of GAC®, passed away on Monday 24th August 2020, just one day after his 83rd birthday. He is survived by his wife Maureen (Mo), children, Karen, Mark and Andrea, and grand-children Amy, David, and Ashleigh.

Grant was born in Glasgow, Scotland, and grew up in Rothesay on the Isle of Bute, surrounded by rocks of Neoproterozoic to Quaternary age. He obtained his B.Sc. (Hons.) in 1960 from the University of Glasgow, followed by a Ph.D. also from the University of Glasgow in 1967. After working as a Research Demonstrator in the Geology Department at Swansea University in Wales (1962-1963), Grant moved to Canada to take up a position at the University of Western Ontario, where he remained until his retirement in 2003.

Grant's research was mainly centered on understanding Precambrian geology, using stratigraphy, sedimentology, and geochemistry. His initial studies focused on strata of the Huronian Supergroup on the north shore of Lake Huron, Ontario, but soon broadened to include international investigations and collaborations that contributed to the recognition of two world-wide Proterozoic glaciations. His pioneering stratigraphic and paleocurrent studies in Arctic Canada and the northern Cordillera in the Yukon, the North-



Grant looking over the Amundsen Basin, Victoria Island, in 1972.
Credit: Darrel Long

west Territories and Alaska provided a framework for the correlation and division of Proterozoic strata across northern and western Canada (the A, B, C concept). He was able to demonstrate using paleocurrent data that the Grenville Orogen shed detritus across the whole width of Laurentia. Grant and his students subsequently confirmed his model, using zircon geochronology, demonstrating for the first time the applicability of the 'big river' concept in the Precambrian.



Grant making notes on Victoria Island in 1972.
Credit: Darrel Long

Grant documented Archean glacial deposits in the Pongola Supergroup of South Africa, and also carried out stratigraphic and geochemical investigations on Late Ordovician glaciogenic rocks in the Cape Fold Belt. This was complemented by comparative studies of Neoproterozoic glacial deposits in Alaska, the Mackenzie Mountains, NWT, and the Flinders Ranges of South Australia, leading to correlations between the two continents that constrained the configuration of the supercontinent Rodinia.

Grant's research interests in the geochemistry of soils in collaboration with Dr. Wayne Nesbitt of Western University, led to the development of the Chemical Index of Alteration, which documents that the degree of weathering is directly related to climate. The CIA-index is now universally applied in studies involving processes of weathering, transport, diagenesis and metasomatism.

Since retirement Grant retained his interests in secular change and the relationships between supercontinents.

He investigated Archean rocks in the North Spirit Lake area of northern Ontario, and along with his colleague Dr. W. Glen Caldwell, revisited his early haunts along the Carboniferous coasts of the Firth of Clyde in the western part of the Midland Valley of Scotland. He had many interests beyond geology: he was a talented landscape painter, potter, and a writer of short stories. He was unfailingly generous and unassuming, and possessed a wicked sense of humour.

Grant always based his work on highly detailed field observations, supported by geochemical and petrographic investigations, and interpreted these in terms of both their local and global significance. Grant was an exceptional teacher and mentor, and will be greatly missed by his many colleagues in the geological community, across the world, as well as by the numerous undergraduate and graduate students that he has inspired.

Darrel Long, Charlie Jefferson, and Rob Rainbird

Notices

It is with sadness that we report the passing of the following Canadian geoscientists in recent months:

Fred Chandler

1938-2020

www.pictongazette.ca/2020/09/22/chandler-frederick-william/

Tony Lecheminant

1944-2020

www.arbormemorial.ca/capital/obituaries/anthony-norman-lecheminant/54859

Tony Naldrett

1933-2020

www.es.utoronto.ca/remembering-tony-naldrett-1933-2020/

Rudy Klassen

1928-2020

mhfh.com/tribute/details/30269/Rudolph-KLASSEN/obituary.html

Reading on the Rocks

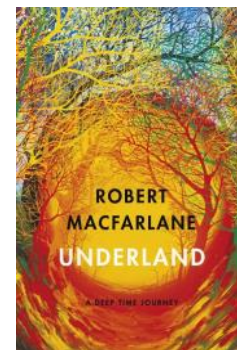
Underland, by Robert Macfarlane. 2019. 488 pages. Hamish Hamilton. 978-0-241-14380-3. \$42.95 CAD

Robert Macfarlane takes us on an exploration of the underland—shallow geology—and the use that humans have made of it. His book is organized in thirteen chapters, by theme and roughly chronologically. Macfarlane explores many aspects, for extracting material by mining, for burial, for storage (disposal of nuclear waste), for science (hunting for dark matter) and for recreation (caving and cave diving). “The same three tasks recur across cultures and epochs” declares Macfarlane, “to shelter what is precious, to yield what is valuable, and to dispose of what is harmful” (p. 8).

Many of the spaces he visits are “natural” or modified, that is, voids that have been altered. Macfarlane also takes us into some constructed underlands, such as mines or the sprawling complex of tunnels and cavities that underlie Paris. Human relationships to these spaces and to each other are complicated and not always benign. Macfarlane examines the troubling recent history of caves as execution sites in the Balkans, or places to dispose of enemies killed illicitly. In this

sense, these spaces can also be places of memorial, with their use for ancient burials or perhaps ritual (Lascaux, Chauvet Cave). Some underlands require modern technology to excavate or visit, as in the miles-long potash mining corridors that extend out beneath the North Sea, or in cave diving and many-days-long cave exploration expeditions. Underlands were thrown sharply into public attention in 2018 during the rescue of the football team trapped for 18 days in Tham Luang Cave in Thailand. Ingenuity, skill, knowledge and endurance were needed to effect that rescue.

Macfarlane tells his intricate story mainly through the voices of the people that he meets who guide him to various underland spaces and interpret them for him. His travels are often physically and emotionally taxing. Nevertheless, this is a fascinating journey to follow.



Alwynne B. Beaudoin
Edmonton, Alberta

Events and Happenings

Northwest Territories and Nunavut Geoscientist, Hendrik Falck, P. Geo., FGC, receives 2020 Canadian Professional Geoscientist Award

Geoscientists Canada is pleased to announce the recipient of the 2020 Canadian Professional Geoscientist Award – **Hendrik Falck, P. Geo., FGC**, of Yellowknife, NT.

The Canadian Professional Geoscientist Award is given to recognize the achievements of an individual who has made an outstanding contribution to the development and practice of professional geoscience and who has advanced public recognition of the profession in Canada in their capacity as a registered professional geoscientist. The award, which consists of a labradorite and marble sculpture made by a Canadian geoscientist artist, is given to a person in mid-to-late career.

To be eligible for the award, a nominee must meet a number of specified criteria, which include: a solid career as a professional geoscientist, an outstanding record of voluntary service to the community, and service to Geoscientists Canada or to one of the provincial or territorial professional associations that regulate geoscience practise in Canada.

This year's recipient, Hendrik Falck, is an award-winning geologist with over thirty years of experience mapping Archean volcanic belts and granitic terranes for mining exploration and government research programs.

Mr. Falck holds a M.Sc. in Geology from Carleton University (1991) and a B.Sc. (Honours) Terrain and Environmental Earth Sciences (Major), Quaternary Studies (Major) from the University of Toronto (1986). He is a registered professional geoscientist with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG). Throughout his career, Mr. Falck's service as a professional geoscientist has constantly and consistently benefitted both the geoscience profession and the Canadian people, particularly the people of the



North. Beginning his career as a government geologist, he then participated in the Northwest Territories diamond staking rush as a concentrate geologist, followed by time spent as an exploration geologist at Yellowknife's Giant gold mine. Mr. Falck then continued to provide for the future of the North as a mineral deposit geologist for the Government of the Northwest Territories and for the Geological Survey of Canada. Mr. Falck has also ceaselessly advocated for the profession of geoscience. Serving first as a Councillor for NAPEG, as well as on various committees, eventually serving a term as President of the organization (2010-2012). Concurrent to this, he has served as a representative on the Canadian Geoscience Standards Board and then as a Director for

Geoscientists Canada, eventually serving a term as President (2016-2017). He has also served as a President and Council Member for the Mineral Deposits Division of the Geological Association of Canada and as an editor for the CIM journal. As well as his volunteerism in advancement of the profession, he has generously given of his time mentoring young geoscientist professionals entering their careers.

He is the recipient of numerous awards for his exemplary work, including the Regional Circle of Excellence Award (DIAND), J. C. Sproule Memorial Plaque, the CIM Julian Boldy Award, and NAPEG's Award of Merit and Professional Service Award. Mr. Falck was also among the first recipients of Fellow of Geoscientists Canada (FGC) in 2013. Announcing the award the President of Geoscientists Canada, Michael Parkhill, P. Geo., FGC, commented: "Having been on the Board at Geoscientists Canada with Hendrick, I was

able to see first-hand his dedication to the profession. His list of accomplishments during his career is exemplary. Congratulations Hendrick, well deserved."

The citation for the 2020 award will read as follows: "Presented to Hendrik Falck, P. Geo., in recognition of his impressive body of work, both technical and regulatory, for professional geoscience in Canada". Nominations for this award are considered annually, although the award is not necessarily presented each year. Further details on the award criteria and nominations process are available on the Geoscientists Canada website at www.geoscientistscanada.ca

Geoscientists Canada's Mission is to support its constituent associations in their efforts to improve effectiveness of regulation in Canada and achieve excellence in the geoscience profession.

Sandra Barr inducted into the Science Hall of fame

Please join us in congratulating Dr. Sandra Barr, Professor in the Department of Earth and Environmental Sciences at Acadia University who was recently inducted into the Nova Scotia Discovery Science Hall of Fame!

Inductees are individuals who have achieved international recognition for outstanding lifetime contributions to science and technology. Sandra has supervised more than 100 undergraduate and graduate thesis students during her 44-year career at Acadia University. She has mapped nearly half of Nova Scotia and a substantial portion of New Brunswick and has made major contributions to the tectonic understanding of the Canadian Appalachians. Her work has helped determine the most complex parts of geological history using microscopic petrological study techniques to radiometric dating and paleontology.

In her 44 years of fieldwork and study, she may have examined more rocks in Nova Scotia than any other living person and has unraveled the wanderings of several terranes that today make up Nova Scotia and adjacent parts of the Appalachian Mountains belt. With more than 170 refereed papers, 30 maps, and 300 conference articles, Dr. Barr is recognized as the

authoritative record of the geology of Nova Scotia.

Her geological research is notable not only for its volume but also for its longevity. When she started work in geoscience, the paradigm of plate tectonics was still being developed. She was able to apply that to her work on the Pacific Ocean floor for her Ph.D. thesis, to the Mountain Belts of Thailand in her early work in Southeast Asia, and to the Maritime Provinces where she and her colleagues and students have steadily tracked the development of the various tectonic terranes that make up the region.

During 2004-2005, she was President of GAC® and served as the GAC® Books Editor until 2020. She was also the 2015 recipient of the prestigious GAC Ambrose Medal for sustained and dedicated service to the earth science community in Canada.

The link to the Discovery Awards page is below: <https://thediscoverycentre.ca/current-discovery-awards/>



Announcements



GAC-MAC LONDON 2021 JOINT ANNUAL MEETING

Exploring Geosciences Through
Time and Space
November 1 - 5, 2021

The GAC-MAC Joint Annual Meeting, the premier annual geoscience conference in Canada over the last six decades, is organized by the Geological Association of Canada (GAC®), in concert with the Mineralogical Association of Canada (MAC). The two associations have long enjoyed a close relationship, and have united the Canadian earth sciences community annually at GAC-MAC, a formal gathering of the best geological minds in the country, to celebrate our achievements, discuss new findings and develop further relationships.

In accordance with the general slogan of our annual joint meeting “Exploring Geosciences Through Time and Space”, sessions are grouped according to four conference themes:

- ◆ Earth and Earth Planetary Systems
- ◆ Life, Climate and Environment
- ◆ Tectonic Processes and Geohazards
- ◆ Resource Geoscience

GAC-MAC 2021 will be a hybrid meeting, with both virtual and in person sessions. There will be a live virtual scientific program (Nov 1 and 3-5, 2021) along with a return to the traditional 3-day Joint Annual meeting format (Nov 3-5, 2021).

Join us for this new form of GAC-MAC meeting, this fall in London, Ontario, at Western University or online!

Looking forward, after this long break, to seeing you there!



Source: <https://gacmac2021.ca/>

GAC® award nominations are open

Consider nominating a deserving colleague for one of GAC®’s prestigious awards. The process is straightforward and not time-consuming.. And it’s a great way to recognize your colleague!

Nomination deadline for National Awards is November 30 2020; the deadline for Student Awards is December 15 2020

National Awards

- Logan Medal
- W. W. Hutchison Medal
- E. R. Ward Neale Medal
- J. Willis Ambrose Medal

Division / Section Awards

- Canadian Sedimentology Research Group—Middleton Medal

- Marine Geosciences Division—Michael J. Keen Medal
- Mineral Deposits Division—Duncan R. Derry Medal, William Harvey Gross Award
- Paleontology Division—Pikaia Award
- Precambrian Division / Mineral Deposits Division—Howard Street Robinson Medal
- Canadian Tectonics Group—Jack Henderson Prize for Best Thesis, Ph.D. and M.Sc.
- Volcanology and Igneous Petrology Division—Career Achievement Award, Léopold Gélinas Medal (Ph.D., M.Sc., and B.Sc.)

Student Awards

- Mary-Claire Ward Geoscience Award
- Eric Mountjoy Exchange Award

For more information and nomination forms, go to <https://gac.ca/about/grants-awards/> and click on “Read More” under each award.

Canadian Geological Foundation (CGF) Grants Awarded 2020

20-1	Geology Virtual Field Trip of Downtown Toronto Buildings (Bill Pearson, APGO Education Foundation)	\$6,000.00
20-2	Snow Lake Mining Museum Rock and Mineral Exhibit (Paul Hawman, Snow Lake Mining Museum)	\$3,614.00
20-3	Geotourism book "Geology of Alberta's Spectacular Scenic Sites" (Dale Leckie)	\$10,000.00
20-4	University of Saskatchewan Boulder Map Update (Donna Beneteau, University of Saskatchewan)	\$2,500.00
20-5	A Multi-faceted Exploratory Experience Highlighting the Geoscience of Burnaby Mountain, British Columbia (Glyn Williams-Jones, Simon Fraser University)	\$5,000.00
20-6	Edmonton Beneath our Feet Reprint (Matthias Grobe, Edmonton Geological Society)	\$4,500.00
20-7	"Last Billion Years" 2nd edition (Rob Fensome, GSC Atlantic)	\$15,000.00
20-8	Publication support for 3 volumes of <i>Paleontographica Canadiana</i> (Alexander McCracken, GAC Palaeontology Division)	\$13,000.00
20-10	Educational book for children and geologic garden (Isabelle Cyr-Parent, Percé UNESCO Global Geopark)	\$9,000.00
20-11	The Lost World of Schefferville (Alexandre Demers-Potvin, Redpath Museum)	\$4,400.00
20-14	Creating Online Resources in Earth Sciences (Andrew Randall, Below BC Geological Association)	\$12,000.00
20-16	Metro 2 Montréal: a digital experience to explore geology of the Montreal area (Kristyn Rodzinyak, McGill University)	\$15,000.00

2020 GAC® Student Member Photography Competition

The Geological Association of Canada is proud to announce our 2020 GAC® Student Member Photography Competition!

Photo entries should showcase Canada's varied scenery from a geological perspective or spectacular geological features (e.g., outcrops, fossils, thin sections, minerals).

And, yes, there are prizes: 1st Prize – \$500; 2nd Prize – \$200; 3rd Prize – \$100. Prizes are provided from the Jérôme H. Remick III Endowment Trust Fund.

The competition is open to 2020 GAC® student members. Entries may be submitted from September 18 to October 30, 2020. Each student member can submit a total of 4 entries.

Winners will be informed by November 27, 2020. All judges' decisions are final.

For full entry details, and terms and conditions, please download the GAC® Student Photo Competition Registration and Release Form.

New page: <https://gac.ca/gac-student-member-photography-competition/>

Renew your GAC® membership!

Be sure to renew your GAC® membership before year end in order to enjoy continuous benefits. Renew online at <https://gac.ca/members/join-renew/>

Remember: GAC® Members save on books purchased through GAC®, The Geological Society of America, and Geological Society (London). PLUS save on registration costs for meetings.

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: Dr. Stephen Piercey, Chair, Robinson Fund, c/o Department of Earth Sciences, Memorial University of Newfoundland, St. John's, NL A1B 3X5 Canada, E-mail: spiercey@mun.ca



Firth of Clyde, Scotland (see page 5)

Source: Springchickensoup, https://en.wikipedia.org/wiki/Firth_of_Clyde#/media/File:Firth_of_Clyde_from_West_Bay,_Dunoon,_Cowal,_Argyll_and_Bute, used under Creative Commons CC BY-SA 4.0 license.jpg

Information for Contributors

Contributions should be submitted by e-mail to Alwynne.Beaudoin@gov.ab.ca, with GEOLOG in the subject line. Contributions are welcome in either of Canada's two official languages. MS Word (.doc or .docx) is the preferred format for contribution but generic word processing (.rtf or .txt) files are also fine. Please do not submit PDF files. Up to four hi-res images may be submitted per contribution: preferred format is .jpg, RGB colour, with a minimum 300 dpi resolution at 5" x 3" size. Please ensure that images are cropped and colour-corrected, and provide a caption for each image, and an image credit line if needed. Contributors are responsible for securing permission to publish for any third-party images or images of living recognizable people. Diagrams (vector graphics) may also be submitted. Preferred format for graphics is Adobe Illustrator (.ai); make sure that the file is saved with "save text as lines" option enabled to ensure no font substitutions. Additional information on other file formats can be obtained from the Editor. Please do not embed images or graphics in your text document; images or graphics should be submitted as separate files. In your text, use a call-out in parentheses to indicate the approximate placement of each image and graphic. If files are larger than 10 mb, please contact the Editor for alternate delivery arrangements. Your contribution will be copy-edited to ensure consistent spelling and orthography and to correct any obvious typos or errors. Contributions may also be edited for clarity and length. If the Editor has questions about specific information in the text, she will contact contributors for clarification. Contribution deadlines are March 1, June 1, September 1 and December 1.

Consignes aux auteurs

Les contributions d'auteur doivent être soumises par courriel à Alwynne.Beaudoin@gov.ab.ca, en indiquant GEOLOG à la rubrique Objet. Les articles seront acceptés dans l'une des deux langues officielles du Canada. Les fichiers de format MS Word (.doc ou .docx) sont préférables, mais les formats génériques (.rtf ou .txt) sont aussi acceptables. Veuillez ne pas soumettre de fichiers au format PDF. Par article, jusqu'à quatre images haute résolution peuvent être soumises; format préféré est .jpg, couleurs RVB, avec un minimum de 300 PPP en taille 5 po x 3 po. Veuillez vous assurer que les images sont recadrées et leurs couleurs corrigées, qu'elles sont accompagnées d'une légende ainsi que des informations de référence le cas échéant. Il est de la responsabilité des auteurs d'obtenir la permission de publier toute image de tiers ou de personne reconnaissable. Des diagrammes (graphiques vectoriels) peuvent également être soumis. Le format préféré pour les diagrammes est celui d'Adobe Illustrator (.ai); assurez-vous que le fichier est sauvegardé avec l'option « Sauvegarder le texte comme ligne » activée pour éviter toute substitution de police de caractère. On peut obtenir des informations sur d'autres formats de fichiers en communiquant avec l'éditrice. S'il vous plaît ne pas incorporer d'images ou de graphiques dans votre texte; ces images ou graphiques doivent être soumis sous forme de fichiers distincts. Dans votre texte, veuillez utiliser des notes numérotées entre parenthèses pour indiquer l'emplacement approximatif de chaque image et graphique. Dans le cas de fichiers dépassant 10 Mo, veuillez contacter l'éditrice pour convenir des modalités de téléchargement. Vos articles seront révisés afin d'en assurer la cohérence orthographique et corriger les fautes de frappe ou erreurs évidentes. Les articles pourront aussi être corrigés pour plus de clarté et éviter des longueurs. Dans les cas où l'éditrice aurait besoin d'informations particulières concernant le texte, elle communiquera avec les auteurs. Les dates limites pour soumettre des articles sont le 1 mars, le 1 juin, le 1 septembre et le 1 décembre.