



Mineralogical Association of Canada

www.mineralogicalassociation.ca

THE CANADIAN MINERALOGIST

The Canadian Mineralogist is Alive and Well

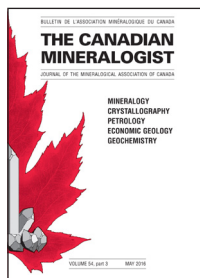
We are happy to report that, thanks to the exceptional efforts of our editorial team – Managing Editor Mackenzie Parker and Editorial Assistants Jordan Roberts and Donald J. (DJ) Lake – our journal is now back on schedule and we are looking forward to implementing new initiatives. If you would like to find out more, and you are planning to attend the next Geological Society of America (GSA) meeting, you are invited to join us for *The Canadian Mineralogist* Contributor Event at the Sheraton Seattle Hotel on 24 October 2017. Come and meet the editorial team and share some mineral-themed martinis and appetizers!

Our average submission-to-publication time has fallen to under four months. So ... send us your manuscripts, especially if you want them published quickly.

Sincerely yours,

Lee A. Groat

Editor, *The Canadian Mineralogist*



UBC Research, Published in the July Issue of The Canadian Mineralogist, Unearths Canadian Sapphires Fit For A Queen



The Queen's Sapphire Jubilee Snowflake Brooch consists of 48 Beluga sapphires, along with 400 Canadian diamonds. PHOTO: HILLBERG & BERK

New research from mineralogists at the University of British Columbia (Canada) could make it easier to find high-quality Canadian sapphires, the same sparkling blue gems that adorn the Sapphire Jubilee Snowflake Brooch that was presented to Queen Elizabeth II.

Philippe Belley and colleagues outline their findings in the July issue of *The Canadian Mineralogist* (2017, v55, pp 669-699). They report on the unique recipe of pressure and temperature events from Earth's history that were required to form sapphires in Nunavut Territory (Canada). The researchers compared this information to regional data to pinpoint the most promising areas for sapphire exploration. Those areas are expected to occur near a thrust fault that separates the Lake Harbour Group and Narsajuaq terranes. A terrane is a fault-bounded area or region with a distinctive stratigraphy, structure, and geological history.

The so-called Beluga sapphires were discovered near Kimmirut, Baffin Island (Nunavut, Canada) by brothers Nowdluk and Seemeega Aqpiq in 2002. The location is Canada's only known deposit of sapphires. The gems form the basis of the ceremonial brooch given to the Queen in July 2017 by Canada's Governor General David Johnston.



Queen Elizabeth II receiving the Sapphire Jubilee Snowflake Brooch from Canada's Governor General David Johnston. Prince Phillip happily looks on. PHOTO: SGT JOHANIE MAHEU, RIDEAU HALL © OSGG 2017

According to Lee Groat, a UBC researcher involved in the study, "This has enabled us to identify the areas of greatest potential for Kimmirut-type sapphire deposits in southern Baffin Island, which will facilitate gemstone exploration in this part of the Arctic". "But it's also a deposit model that can be applied to exploration worldwide." Read the full article at <https://science.ubc.ca/news/ubc-research-unearths-canadian-sapphires-fit-queen>

Upcoming Issue – Call For Papers

A thematic issue of *The Canadian Mineralogist* in honour of Milan Novak will follow PEG2017 – 8th International Symposium on Granitic Pegmatites (in Norway) and the Tourmaline 2017 International Symposium held in Prague (Czech Republic).

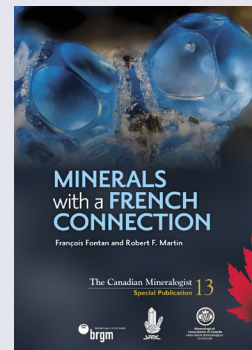
Submission deadline for this thematic issue is 1 December 2017 for publication in May 2018.

Now Available Minerals with a French Connection

Special Publication 13 of *The Canadian Mineralogist*

Systematic mineralogy has as its main goal a survey of crystalline species, the basic building blocks of all natural assemblages. As a nascent area of investigation under the initial guidance of such visionaries as Romé de l'Isle (1736–1790) and René-Just Haüy (1743–1822), mineralogy consisted essentially of the systematic approach. Since then, the field has evolved and developed in multiple directions. Nevertheless, systematic mineralogy remains a solid core, enriched each year by discoveries of a hundred or so new species. This book illustrates this systematic approach in the context of mineral species with a French connection. François Fontan (1942–2007), research scientist (CNRS) at Université Paul Sabatier in Toulouse (France), undertook the project; Robert Martin, Emeritus Professor of Geology at McGill University, Montreal (Canada), brought it to fruition. The profiles and discoveries of past and contemporary contributors to the vitality of mineralogy in France are highlighted, as is the geological context of the type localities.

Order online at www.mineralogicalassociation.ca



Yves Moëlo

Institut des Matériaux Jean Rouxel (Nantes)

MAC AWARDS – CALL FOR NOMINATIONS**Peacock Medal**

The Peacock Medal is awarded to a scientist who has made outstanding contributions to the mineralogical sciences in Canada. There is no restriction regarding nationality or residency. The medal recognizes the breadth and universality of the awardee's contributions to mineralogy, applied mineralogy, petrology, crystallography, geochemistry, or the study of mineral deposits

Young Scientist Award

This award is given to a young scientist who has made a significant international research contribution during the early part of their developing scientific career. The scientist will have received his/her PhD not more than 15 years before the award. He or she must be a Canadian working anywhere in the world or a scientist of any nationality working in Canada. The research areas include mineralogy, crystallography, petrology, geochemistry, mineral deposits, or related fields of study.

Leonard G. Berry Medal

The Leonard G. Berry Medal is awarded annually for distinguished service to the association. The award recognizes significant service in one or more areas, including leadership and long-term service in an elected or an appointed office. The medal is named after Leonard G. Berry (1914–1982), a founding member of MAC, editor for 25 years of *The Canadian Mineralogist* and its predecessor, and the first winner of MAC's Past-Presidents' (now Peacock) Medal.

Nominations for the 2018 medals and award are to be submitted to **Ron C. Peterson** (Department of Geological Sciences and Geological Engineering, Queen's University, 99 University Avenue, Kingston ON K7L 3N6, CANADA). E-mail: peterston@queensu.ca.

Please submit your nominations by 31 December 2017. Check our website, www.mineralogicalassociation.ca, for additional details.

STUDENT TRAVEL/RESEARCH GRANTS

The Mineralogical Association of Canada awards travel and research grants to assist honors undergraduate and graduate students in the mineral sciences to:

- Present their research at a conference
- Visit a facility, laboratory, or field area to gather data for their research
- Pay for analyses that cannot be acquired at their university or for equipment needed for an independent research project.

The maximum grant value is CDN\$1,200 per student. Grants will fund up to 50% of costs incurred for registration, travel, and subsistence, and up to 100% of other research costs (e.g. equipment, analyses).

Quotations and receipts may be requested for any equipment purchased.

For more information, see www.mineralogicalassociation.ca.

Deadline to apply: 15 January 2018

UPCOMING CIM–GAC–MAC JOINT MEETING**Resources for Future Generations**

Vancouver, British Columbia, Canada
16–21 June 2018



The countdown for the Resources for Future Generations symposium in 2018 (RFG2018) is on. There are over 200 proposed sessions that have come in from around the globe.

The rapid growth of developing economies and the fundamental needs of many disadvantaged people across the globe are resulting in an increased demand for many resources and changes in the delivery of existing ones. The need for focused environmental priorities and new technologies will add additional requirements and constraints.

Under the auspices of International Union of Geological Sciences (IUGS) and supported by the Canadian Federation of Earth Sciences, the Canadian Institute of Mining, Metallurgy and Petroleum (CIM), the Geological Association of Canada (GAC) and the Mineralogical Association of Canada (MAC) are partnering to bring industry, academia and governments together to tackle this growing issue.

Anchored in six themes – “Energy”, “Minerals”, “Water”, “The Earth”, “Education & Knowledge”, “Communities & Resources” – RFG2018 will showcase advances in Earth sciences, education, and innovation that can change the course of history.

Abstracts can be submitted up until 15 January 2018. Early-bird registration opened on 1 September 2017 and will end on 15 April 2018. Mineralogical Association of Canada, Geological Association of Canada, and Canadian Institute of Mining, Mineralogy, and Petrology members in good standing receive registration discounts!

Submit your proposal or register at: rfg2018.org

UNDERGRADUATE AWARDS 2016–2017

MAC undergraduate student awards are given annually to undergraduate students (2nd year of study or higher) at a recognized Canadian university or institute of higher education for excellence in one of the specialties supported by the Mineralogical Association of Canada (mineralogy, crystallography, geochemistry, petrology, and mineral deposits). Congratulations to the following students who received this award in 2016–2017.

Zoe E. Chapman-Humphreys, University of Victoria
Amy Cleaver, Lakehead University
Alison Cottrell, University of Regina
Rachel Culver, Queen's University
Jacqueline Dubreuil, UBC Okanagan
Grace Emily Enns, University of Windsor
Christopher Grondin, Université Laval
Anna Katarina Haataja, University of Calgary
Byunghun Ko, University of New Brunswick
Stephanie Anne Kobylinski, University of Waterloo
Adam C. LaRivière, University of Alberta
Derek Leung, Laurentian University
Nathan M. McCullough, Acadia University
Linda Pan, McGill University
Todd Robinson, Brock University
Colin G. Ross, St. Francis Xavier University
Karim Simard, Université du Québec Chicoutimi
Jolee K Stewart, University of Western Ontario