Mineralogical Association of Canada

www.mineralogicalassociation.ca

FROM THE PRESIDENT

The COVID-19 global pandemic has definitely resulted in some new challenges for the Mineralogical Association of Canada (MAC). Although both our business office and *The Canadian Mineralogist* editorial team have had to work remotely (in accordance with provincial health guidelines), the impact of COVID-19 to the overall operations of the MAC has, fortunately, been nominal. I thank our business office and editorial personnel for enduring these challenges and rising to the occasion to ensure a near seamless continuation of MAC activities.

The most visible impact of COVID-19 to the MAC is the rescheduling and reformatting of the 2020 GeoConvention (formerly GeoCanada), which is the decadal joining of the Canadian Society of Petroleum Geologists, the Canadian Society of Exploration Geophysicists, the Canadian Well Logging Society, the Geological Association of Canada, the International Association of Hydrogeologists and the MAC annual meetings. The in-person conference will now be a virtual experience, having digital sessions, a virtual exhibit hall and online opportunities to engage with peers. The 2020 GeoConvention will be held 21–22 September 2020.

The rescheduling of GeoConvention 2020 also meant that the MAC had to conduct its spring council and annual general business meetings remotely this year. At our council meeting, it was a pleasure to announce Dan Marshall (Simon Fraser University, Canada) as our new vice-president, and Fred Ford (Vale Base Metals, Canada) and Fred Gaidies (Carleton University, Canada) as councillors (see biographies below). We welcome these new members to the MAC council, and we bid farewell and say "Thank-you" to our two outgoing council members, Aaron Lussier and Kris Leftwich. Also, the MAC has had to forgo its annual awards luncheon and medalist keynote addresses. However, our Peacock, Young Scientist and Hawley medalists have agreed to give virtual addresses that will be scheduled for October 2020. The move to a virtual format for the MAC Annual General Business Meeting resulted in two unexpected, yet pleasant, historic outcomes: 1) the highest number of participants; 2) the longest meeting (at nearly two hours). The virtual format allowed members to participate in a nearly 45-minute open forum discussion with the executive. This feedback and the follow-up communications that I received were extremely helpful to the MAC, and, on behalf of the council, I thank those who attended the annual meeting for their participation and responses.

COVID-19 has impacted our student travel and research awards. As many of these awards were to be for travel in 2020, which is not now possible due to various government and institutional travel restrictions, the MAC council has accepted the recommendation from the Student Awards Committee that travel related to the 2020 awards be granted a one-year extension.

In fall 2019, we made significant improvements to our website and are now working on improvements to our online bookstore. The MAC is also working on many new initiatives to improve services to our members; these will be announced throughout the remainder of 2020 and into 2021. There is one major development that MAC has already announced: 2020 marks the final year that *The Canadian Mineralogist* will be available in print form. As of January 2021, the journal will be electronic only.

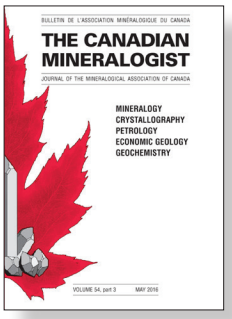
The MAC is also pleased to announce that the criteria used to evaluate nominations for the Berry Medal have been expanded. The award recognized significant service to the association in one or more areas that may include leadership or long-term service in an elected or appointed office. However, there are many ways that the mineral sciences can be promoted in Canada besides those related to an individual having served in some capacity within the MAC framework. Consequently, the Berry Medal now "recognizes significant service to the Association in one or more areas that may include leadership or long-term service in an elected or appointed office or an important contribution(s) that enhances the mineral sciences in Canada or broadens the Canadian mineralogical perspective."

In closing, it is with great sadness that I inform members that Dr. Anthony (Tony) J. Naldrett passed away 21 June 2020 in England, aged 86. Tony was Emeritus University Professor at the University of Toronto and was a world-renowned scientist who conducted seminal research on magmatic Ni–Cu–platinum group element (PGE) deposits: please see the accompanying tribute for more details on Prof. Naldrett's accomplishments. Among his many contributions, Prof. Naldrett served as president of both the MAC (1982–1983) and the International Mineralogical Association (1998–2002). To honor Prof. Naldrett's scientific legacy and his numerous contributions to our science, the MAC is pleased to announce that a special issue of *The Canadian Mineralogist* is being planned. A formal announcement and call for contributions will be made in the near future.

Sincerely,

Andrew Conly, President (2019–2022)

THE CANADIAN MINERALOGIST GOING "ELECTRONIC-ONLY"



Dealing with an increasing number of libraries and individuals opting for the "Electronic-Only" version of our journal, the November 2020 issue will be the last printed copy of *The Canadian Mineralogist*. As of January 2021, the journal will be solely electronic.

WELCOMING NEW MEMBERS OF COUNCIL

The MAC Executive approved the nomination of the following candidates for the vice president position for 2020–2022 and for the two positions of councillor for 2020–2023. As no additional nominations were received from the membership, the nominated candidates were declared elected by acclamation.

Vice President (2020–2022)

Dan Marshall (Simon Fraser University) is a professor at Simon Fraser University in Vancouver. He graduated from Carleton University in Ottawa (Canada) with an MSc in 1990, and in 1995 received a DSc from the University of Lausanne (Switzerland). He has extensive experience in economic geology, ore petrology and fluid inclusions. His research interests involve the application of a variety of methods of pressure-, temperature- and age determination to problems in metamorphic petrology, aqueous geochemistry, ore deposits and tectonics. He is the lead author on the *Ore Mineral Atlas* (2011), an author of the MAC *Fluid Inclusions* short course volume (SC23, 2003), and guest editor of two *Canadian Mineralogist* special issues. Dan has been awarded numerous grants, awards and medals, including the MAC's Hawley Medal, the GAC's Distinguished Service Award, plus the Howard Street Robinson Medal, and being a Canadian Institute of Mining's Distinguished Lecturer. Additionally, Dan has been the principle investigator on a number of academic-, government- and industry-led projects and has supervised many students.

Councillors (2010–2023)

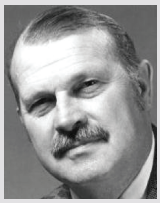
Fred Ford (Vale Canada Ltd) has been practicing applied mineralogy at Vale and its predecessor company, Inco, for the last 23 years. He holds an honors BSc degree in geological science from Queens University (Canada) and an MSc and PhD in metamorphic petrology from Carleton University. He specializes in quantitative mineralogy, using electron microscopy (notably the mineral liberation analyzer) and X-ray diffraction (Rietveld analysis using the crystallographic software TOPAS). Other professional interests include the microanalysis of silicate, oxide and sulfide minerals by energy and wavelength dispersive spectroscopy. In off hours, Fred enjoys gardening around the house and going on camping adventures with his wife and three children, where all have been involuntarily dragged into expeditions ranging from amethyst mines near Thunder Bay in Ontario to andalusite hunting on the coast in Nova Scotia.

Fred Gaidies (Carleton University, Ontario, Canada) is an associate professor of mineralogy and metamorphic petrology at Carleton University. He received his PhD in 2017 from the University of Basel (Switzerland) where he was supervised by Christian de Capitani and Rainer Abart. He researches fundamental processes operating during metamorphic petrogenesis, such as diffusion, nucleation and crystal growth and how they influence the development of metamorphic microstructure. He is actively involved in the development of tectono-metamorphic and petrochronological models applied to the formation of mountain belts, including the Sikkim Himalaya (NE India), the Eastern European Alps, the Yukon–Tanana Terrane, the Grenville Province of SE Ontario, and the Caledonides of northern Norway. He is the director of the X-ray micro-cathodoluminescence and electron probe micro-analysis laboratories at Carleton University.

Thanks to Outgoing Members of Council

We extend our thanks to MAC outgoing councillors **Kriss Leftwich**, and **Aaron J. Lussier** for their three years of service.

IN MEMORY OF DONALD H. 'DIGGER' GORMAN (1922–2020)



Donald H. Gorman, 'Digger' to all who knew him, died just three weeks before his ninety ninth birthday. He was born in Fredericton (New Brunswick, Canada), taking his first degree at the University of New Brunswick and then, after wartime service in the Royal Canadian Navy, studying at the Royal School of Mines in London (UK) on a Beaverbrook Scholarship. Returning to Canada, he took a doctorate at the University of Toronto under the renowned mineralogist and petrologist Martin Peacock, after which he was appointed to the University of Toronto faculty where he remained for the rest of his professional life. His ability to recognize minerals in hand specimen was unequalled, and he was a gifted teacher who sent generations of students out into the mining world with an outstanding awareness of the importance of recognizing minerals in the field. Many a mineral prospect has resulted from this sound preparation. He was loved by his students. His importance to the world of mining was recognized by his election to the Canadian Mining Hall of Fame. He was also an early president of the then-young Mineralogical Association of Canada. The very beautiful blue mineral gormanite was named in his honour. His teaching extended beyond the university into the various mineral clubs where he gave many lectures. For years, he manned the identification stand at the well-known Bancroft Gemboree, where he was unequalled. His knowledge outside the world of mineralogy was extensive. Indeed, he was often referred to as "Google" before Google was invented.

John Gittins, University of Toronto

IN MEMORY OF PROFESSOR ANTHONY (TONY) J. NALDRETT (1933–2020)

Tony Naldrett, the father of magmatic sulfide research, passed away on Sunday, 21 June 2020 at his home in the UK. He had an enormous influence on the lives and careers of us (his colleagues) and his many students and postdocs.

Tony is best known for his extraordinary contributions to the understanding of magmatic Ni–Cu–PGE deposits over a career spanning more than fifty years. Travelling to Canada after graduating from Cambridge (UK) in 1957, he worked as a Sudbury mine geologist. This sparked his interest in research, leading him to Queen's University where he completed his MSc and PhD, during which he was among the first to recognize ultramafic lavas in the field. During a post-doctoral fellowship at the Geophysical Laboratory in Washington DC (USA), he established the thermodynamic and experimental underpinning of what would be his life's research work. This set the path for his career, integrating the fundamental chemistry, mineralogy and field-based geology needed to understand the origin of Ni–Cu–PGE mineralization.

The success of Tony's career rested on his remarkable ability to see to the heart of a scientific problem combined with his exceptional people skills as a communicator, collaborator and mentor. Many a conference discussion was enlivened by his apparently simple, but always incisive, questions. His ideas were often ground-breaking, but he also had the humility to revisit or change his models in the light of new data. He attracted a wonderful group of graduate students and postdocs, created exciting projects for them, often with significant industry support, and had an unerring instinct for guiding young minds to tackle challenging problems. Many of his students went on to eminent careers in academia and in the mining industry. Tony worked on many of the world's most significant deposits, but his skill as a collaborator and a research enabler is best exemplified by his work on the super-giant deposits of the Norilsk–Talnakh region (Siberia, Russia). Here, he developed long-standing collaborations and friendships with key Russian researchers and opened doors that had previously been closed to western researchers. This research established what is now the predominant exploration model for this deposit type around the world, and Tony regarded it as among the most important achievements of his career. He gave willingly of his time – to his students and colleagues, but also to a long list of scientific societies and associations. He leaves a vast legacy of influential and widely cited publications written over nearly 50 years. His career was recognized by many awards and medals, including the Past President's Medal of the Mineral Association of Canada, and the Society of Economic Geologists' Penrose Gold Medal.

Tony was an outstanding teacher both in the classroom and in the field, his dedication such that he continued to teach challenging first year classes long after he had retired. He was always great company, sharing his wide-ranging interests and his love of life with those around him. For many of us, his visits to our field areas were as entertaining as they were illuminating. He will be long remembered by many grateful geoscientists and will be sorely missed.

Sarah-Jane Barnes, **Stephen J Barnes**, **Chusi Li**, **Peter Lightfoot**, **John FH Thompson**