

CIM Foundation is finalizing its Strategic Plan.



Daniel Gagnon, FCIM
President, CIM Foundation

Following the Foundations' review of its agreements with CIM Branches and Societies, CIM Foundation donors, and CIM Foundation funding guidelines, the CIM Foundation has undertaken a Comprehensive Strategic Plan. This plan will help guide the Foundation Trustees in its programming and actions for years to come while continuing to better align the CIM Foundation with the CIM. The new Strategic Plan will be presented at the AGM in Vancouver in May 2020.

The CIM Foundation is proud to present the New Stantec Mining Engineering Scholarship.



To continue to ensure a strong future for the mining and minerals industry now that the Stantec/McIntosh fund has been depleted, Stantec's Mining Business Line has initiated the Stantec Mining Engineering Scholarship in Canada in conjunction with the CIM Foundation. This new national undergraduate scholarship will award \$2,000 annually to an outstanding second-year student in the field of Mining Engineering. The new scholarship has already been launched across Canada this fall and will be offered in perpetuity. We look forward to reviewing our first cohort of second-year applicants!

Ed Beswick
Chair of the Scholarship Committee
CIM Foundation

For the past decade, the Stantec/McIntosh Mining Engineering Scholarship has supported a generation of outstanding mining engineers!



Chas Meadows, of Winnipeg, Manitoba and Mining Engineering student at Queens University is the recipient of the 2018 Stantec/McIntosh and the Taking Flight Aboriginal scholarships.

Beginning in the Fall of 2010, the McIntosh Engineering Scholarships were made possible by generous donations from Scott McIntosh and Stantec/McIntosh Engineering. Funds were provided to Canadian and American institutions. Up to eight annual national undergraduate scholarships were established in Canada. Five scholarships were offered to students entering their second year of an accredited degree program in Mining Engineering with a focus on underground mining, and up to three second-year students pursuing a technical diploma in Mining Engineering at the college level. These national scholarships were renewable while the students remained in their respective programs and continued to meet the necessary requirements. In total, \$750,000 was donated in Canada for promotion of the mining industry at the post-secondary level.

In recent years, the national awards have been renamed the Stantec/McIntosh Engineering Scholarship and continued to be administered by the Canadian Institute of Mining, Metallurgy and Petroleum Foundation (CIM Foundation). Stantec participates with the CIMF Scholarship Committee in the selection of new scholarship recipients, as well as the renewal of the previous student recipients' subsequent scholarships.

To date, 69 students in Canada have been recipients of the national awards. Based on Scott McIntosh's request, the original funding was intended to be dispersed over a nominal 10-year period, and the CIM Foundation has reached that milestone. In the Fall of 2018, the final group of second-year students received a Stantec/McIntosh Engineering Scholarship with sufficient funding set aside to fulfil their subsequent renewal years.

There were provisions to use some of the funds provided through the Stantec/McIntosh fund for special initiatives. Scott McIntosh and the CIM Foundation agreed that this would be for investing in CIM Student Chapters. Following a pilot project initiated in 2016, up to \$2,000 a year in matching funds, per Chapter were provided for special projects, including participation in the Canadian Mining Games, field trips, and guest speaker invitations – to mention just a few student initiatives. These funds will be available until May of 2020. If any funds remain, they will be transferred to the new Stantec Mining Engineering Scholarship which is also described in this newsletter.

Keith Vaananen
Director, Underground Mining, Latin America and
Member of the CIM Foundation Scholarship Committee



The CIM Foundation continues to organize and host silent auctions to fund educational programs.



Silent auction at the Cree Nation of Chisasibi Golf Gala on August 30th at the Casino Lac-Leamy

In 2019, the CIM Foundation organized 10 silent auctions in a variety of cities, raising more than \$15,000 in support of educational programs and activities. These auctions also provided the CIM Foundation with opportunities to showcase the programs it offers and the educational materials it makes available to Branches and Societies.

- CIM, Shaft Conference, Toronto, November 18 to 20
- CMP Engineering Event, Montreal, November 14
- CIM Newfoundland Mineral Resources Review, St. Johns, November 7 to 9
- AEMQ - XPLORE, Montreal, October 23 to 24
- Cree Nation of Chisasibi, Golf, Gatineau, August 30
- Toronto Branch and the CMP Golf Tournament, Oakville, August 28
- CIM Montreal Branch Golf, Montreal, August 27
- Cree Nation of Eastmain, Golf, Gatineau, August 2
- Canadian Geology Conference, Québec, May 12 to 15
- CIM Annual Conference, Montreal, April 28 to May 1
- CMP Annual Conference, Ottawa, January 21 to 23

Our Vision:

To help Canada maintain its global leadership in mining by fostering the best educated workforce with the knowledge and resources to develop new and increasingly sustainable mining technologies and to apply them in the most effective ways possible.

Our Mission:

To raise funds to use in various ways to inform and educate Canada's imminent and future workforce about mining, by granting scholarships, by supporting the Distinguished Lecturers series, by providing educational materials for regional workshops given by the Branches, Societies and/or special interest groups affiliated with the CIM, as well as contributing to other educational initiatives that support CIM's vision.

CIMF SCHOLARSHIPS

TESTIMONIALS FROM SOME RECIPIENTS



I am a Stantec/McIntosh Scholarship student completing my university studies at Polytechnique Montréal in Mining Engineering. My third year in this program will begin this coming fall. The Stantec/McIntosh Scholarship is for me the recognition of all the efforts and time I invested in my studies in addition to my participation in a variety of school projects. Projects such as Concrete Canoe, my involvement as the director of my student committee, the Canadian Mining Games and my involvement as an ambassador for sustainable development would not be possible without the help of the Stantec/McIntosh Foundation. In this way, the Foundation shows that it believes, encourages and allows the next generation of workers to do more and to become more.

When we think of mines, we do not necessarily think that it's an area for women. And yet, I see it in my internships and my field of study, that the trend is decreasing. Internally, I'm trying to change these preconceived ideas. In other words, I'm trying to prove that anyone who is willing to achieve their goal can do it regardless of the efforts required and the obstacles encountered. This scholarship is giving me the opportunity to see the fruit of my efforts and is motivating me to surpass myself. All my gratitude to the CIMF and to Stantec/McIntosh!

Jasmine-Sophie Papineau de Montigny
Stantec/McIntosh Engineer Scholarship recipient



I am very honoured and grateful to have received the Stantec/McIntosh Engineering Scholarship. The scholarship allows me to not worry about paying bills each month. Instead, I can focus on my education and career goals. The scholarship confirms to me that my hard work is being noticed by others and that I am on the right path to a successful career in mining. Thank you for that recognition. I regularly attend CIM Vancouver Branch events, and I hope to see you and my fellow students there.

Cole McIvor
Stantec/McIntosh Engineer Scholarship recipient

The CIM Foundation (CIMF)

The CIM Foundation (CIMF) was established in 1972 as a charitable organization to create and support a strong program of educational and charitable activities directed towards improving the contribution of the Canadian minerals industry to the progress and well-being of Canada. Although a separate legal entity from the Canadian Institute of Mining, Metallurgy and Petroleum (CIM), CIMF was established by and continues to be funded by CIM members.

CIMF NEWS

This publication is to keep you informed about activities and events organized and/or supported by the CIM Foundation (CIMF). Special contributors to this issue are; Martin Bell, Ed Beswick, FCIM, Daniel Gagnon, FCIM, Roger Guay, Ph.D., Dean Journeaux, FCIM, Chas Meadows, Cole McIvor, Jasmine-Sophie Papineau de Montigny, John Morton, Jean-Marc Séguin, Keith Vaananen, Christian Autotte and Lilianne Lauzon.

The mining industry wants YOU!



Do you want a Scholarship?

UPDATE: CIMF SCHOLARSHIP RECIPIENTS

Over the years, the CIM Foundation has awarded valued scholarships for studies ranging from Engineering to Underground Mining to Geology. Many of the scholarship recipients have graduated and are now contributing to their profession as leaders in the mining industry!

Winter 2018

Stantec/McIntosh Scholarships

As this is the final group of students to receive the three-year Stantec/McIntosh Scholarship, an additional sixth scholarship was awarded with the remaining funds.

JACOB BILOUS, Kingston, ON (Queen's University)
 COLE McIVOR, Nanaimo, BC (BCIT Degree Program)
 CHARLES MEADOWS, Winnipeg, MB (Queen's University)
 ISABELLA SIMADENI, Timmins, ON (Queen's University)
 JACOB YARROW, Kingston, ON (Queen's University)
 JASMINE-SOPHIE PAPINEAU DE MONTIGNY, Brossard, QC (École Polytechnique)
 ELAINE GUAY, Rouyn Noranda, QC (Cegep de l'Abitibi-Témiscamingue)
 SPENCER HEIGHT, Spruce Grove, AB (BCIT Technical)

Taking Flight

CHARLES MEADOWS, Winnipeg, MB (Queen's University)
 BLAINE LINDSTROM, Vancouver, BC (BCIT Technical)

Spring 2019

Caterpillar and its Canadian Dealers Scholarship (Mining Engineering)

RYAN ROBERTS, Québec, QC (Laurentian University)

Scotiabank Scholarship (Exploration Geology)

KAYLA SOINI, Sudbury, ON (Laurentian University)

Dr. David S. Robertson Scholarship (Geology)

KAYLA SOINI, Sudbury, ON (Laurentian University)
 DANIEL STASOLLA, Winnipeg, MB (University of Manitoba)

Winter 2019

The recipients of the Fall 2019 scholarships: Stantec Mining Engineering (new), Taking Flight, and the Irene and Arthur Foley Scholarships will be posted on the CIMF website (www.cimfoundation.ca) later this year and published in the next CIMF newsletter.



Mineral and Rock cards have been added to the online collections.

The Mineral card collection continues to expand. Online there are also cards for rocks, as well as special collections, including Quartz and minerals used in pyrotechnics. As always, the complete card collections are available on line at www.cimfoundation.ca/en/national-mineral-card-set. Individual cards are distributed free of charge at CIM Branch and Society educational events. Each card has the web address providing access to more than 600 cards in a variety of collections, including meteorites, rocks and others. Visit - www.cimfoundation.ca.

The CIM Foundation provides educational backpacks to Supporting Extremely remote communities in Nunavik.



In Nunavik there are two active mines, several mining projects at advanced stages of development, and approximately 22,400 mining claims. The CIM Foundation has been supporting the Nunavik Mineral Exploration Fund as well as the Jaanimmarik School over a number of years in various ways: first as a kiosk during the Québec Aboriginal Science Fair in March 2013, followed by the organization of annual workshops at the Jaanimmarik School (2014, 2015, 2017), and at Kuujuaq Town Hall presentations (2014, 2015, 2016, 2017) during the Nunavik Mining Week Conferences.

To reach 14 not easily accessible communities, the CIMF and Makivik decided to create and provide educational kits/backpacks to the members of the Nunavik Mineral Exploration Fund for distribution and/or to take with them on educational geology expeditions with students in these more remote communities. Each kit includes:

- a booklet listing workshops that can easily be set up
- a pan with silica and tungsten for sample panning
- a magnifying glass for reviewing mineral samples
- a container with dividers for collecting samples
- 65 mixed CIM Foundation Mineral cards
- a pack of 10 CIMF Mineral cards in Inuktitut
- a poster with mineral photos.
- a box containing 14 minerals from Nunavik.

The majority of the items were donated and any additional expenses incurred were covered by the Nunavik Mineral Exploration Fund. The CIM Foundation would be very pleased to also assist any other organisation who would like to create similar educational kits for their regions.

The mining and geology backpacks will be distributed to the following communities to support the Nunavik Mineral Exploration Fund educational activities; Kuujuarapik, Umiujaq, Inukjuak, Puvirnituq, Akulivik, Ivujivik, Salluit, Kangiqsujuaq, Quaqtaq, Kangirsuk, Aupaluk, Tasiujaq, Kuujuaq and Kangiqsuulujuaq.



An account of my time in Canada after the Second World War

by John Morton

Editor's note: John Morton is 92 years young and has been an annual contributor to the CIM Foundation. He spent seven years and nine months in Canada, which he considers his formative years. He has been giving back through yearly donations to the Annual Giving Campaign.



The time was during the Second World War when I tried to get an education. I was living in a mining town named Norseman in Western Australia, where there was a secondary Department School of Mines where anyone could study. Teachers were away fighting in the war so the qualified men working in the mines taught Mining Engineering and Geology. I commenced studying Mining Engineering and completed three years when I received a Mine Surveyor Certificate. The Mine Manager was the registrar for the School of Mines and was very caring of us students. Later, when I decided to go overseas, he told me to send all of my class certificates to the Australian Institute of Mining and Metallurgy. He sponsored me so I became a member (of the Australian Institute of Mining and Metallurgy).

Norseman Gold Mines employed a geologist and, when I saw what he did, I decided to study Geology. However, when it came to the last year, there was no one to teach it and I instead studied Electricity, which turned out to be very useful later in my career. By this time, I had married my wife, June. While I was finalizing my education, Norseman Gold Mines acquired a consulting geologist and decided to drill some holes. The company brought a Canadian driller named Cameron Thompson. Cameron and his beautiful red-headed English wife lived next door to us. I

told Cameron one time that I was planning on getting some overseas experience. We talked about it and he told me to go to Canada because Cameron was Canadian and could tell me where I would get the best experience. His advice was to get work at a huge site named Kerr Addition Gold Mine and I was able to get work there as a mine surveyor. When I had the opportunity, I became a member of the CIM. After fifteen months, the uranium boom hit Canada and there were all sorts of miners needed. I got a job at Quirke Lake and was given a small shack on the Serpent River. I worked there for eight months but left because the work was unchallenging.

So I looked at books about mining companies and saw what was situated along the eastern side of Ontario – a place named the Madsen Red Lake gold mine. I applied for a job as geologist and was employed by Ken Rose, the geologist. Madsen Gold Mines had just changed mining to cut and fill. I saw that type of mining done at the Kerr Addison Gold Mine so I was familiar with it and could get up at any time of the night to show the miners how to mine the ore body the correct way. What I did pulled the mine from being in the red to just in the black. The mine produced 750 tons a day with only two geologists and one sampler.

To keep the story short, Ken Rose resigned and recommended me as his replacement. Ken took me to Ed Craysten, the manager who knew the good work I had done as a geologist to help the mine become profitable. He knew it was me and asked if I could do the same throughout the rest of the mine. I told him that I could but it would require some additional staff and he gave me the right to do whatever I needed. I started to advertise for more geologists and samplers and spent hours after work to make details of every job to do. When I took over, we were producing two blocks of gold every two weeks and, after twelve months, we had eleven bars of gold.

Ed Craysten liked to see new mining methods, and used to get me to take control of the job. The most interesting job came from Boyles Brothers who made diamonds drills of all types. The one they were using in mines were driven by compressed air. Boyles Brothers wanted an electrical machine that would cost less to operate. First, they sent a drawing of an electric motor on wheels that could be taken to any place in the mine. It didn't take much time to make the draft details in the engineering shop. We now were able to send the electric motor to any place in the mine. So Boyles brothers sent the machine. There were a few problems but, in time, the drill worked perfectly and the drillers loved it because they were warmer and could plug into the electricity to use a frying pan and make warm food or heat up a pot of tea or coffee.