



CIM FOUNDATION | FONDATION ICM  
50th ANNIVERSARY | 50e ANNIVERSAIRE

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# CIMF NEWS

SPRING 2022 . VOLUME 13 - NO. 1

## CIMF NEWS Spring 2022

### FOUNDING MEMBER OF THE CIM FOUNDATION (1972)



**René Dufour, ing., FCIM**  
Trustee Emeritus, CIM Foundation

René Dufour graduated from École Polytechnique de Montréal in mining engineering in 1954. For the next seven years, he worked for Quebec Cartier Mining and held the positions of planning engineer, chief engineer of mines and mine superintendent, in charge of a 100,000 ton per day mine.

In 1965, he returned to his alma mater, École Polytechnique, as a professor in its mineral engineering department. Later, as head of the department from 1988 to 1991, Mr. Dufour played an important role in the creation of the joint Polytechnique-McGill University bilingual coop program in mining engineering. René Dufour participated in many mining-related missions, principally in Africa and South America, on behalf of the United Nations, the World Bank, the Canadian International Development Agency, Companhia Vale do Rio Doce and others.

He held the position of director on several boards, including Noranda Inc. (for 14 years until 2002), SOQUEM, and Mines Cancor, a mining exploration company. Mr. Dufour has been an active member of CIM and has held various positions, including CIM president (1988-89), District 2 vice president (1976-78) and Distinguished Lecturer (1980-81). He has chaired many committees including the CIM Centennial Corporation from 1994-99.

René Dufour was one of the five founding members of the CIM Foundation in 1972, its president from 1991-97, and has since served as a Trustee before retiring as trustee emeritus of the CIM Foundation in 2016. He secured the Caterpillar and its Canadian Dealers Scholarship (since 1998) and collaborated with past Foundation Trustee Don Worth to secure the Scotiabank Scholarship (since 1998) and the Irene and Arthur Foley Scholarship (since 2000). These scholarships are still being awarded today.

Mr. Dufour has received many awards including the Past Presidents' Memorial Medal (1970), CIM Distinguished Lecturer (1980-81), CIM Fellowship (1994), CIM Distinguished Service Medal (1995), the 2003 Award for Excellence from the Order of Engineers of Quebec, the INCO Medal (2009) Vale Medal for Meritorious Contributions to Mining (2009) and was named CIM Ambassador at Large (2015).

René and his wife Cécile are celebrating their 66th wedding anniversary in May 2022. Cécile has always supported René and has been an important part of his illustrious career path. They both continue to be very active!

Information from CIMs' Past Presidents profiles, from the CIM Foundations' archives and from Jean-G. Fortin, ing., FCIM, for the CIM Foundation

### CIMF 50TH ANNIVERSARY



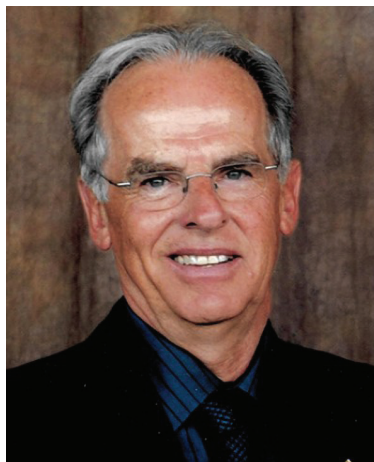
As the CIM Foundation prepares to celebrate its 50th Anniversary beginning in April, its Marketing Committee designed a special commemorative pin for its donors. The pin has

a nice closing clasp, similar to a fine piece of jewelry, and is in gold with blue enamel highlights. Extra pieces have been ordered to put on coffee mugs, beer steins, shot glasses and to use as golf ball markers at tournaments. They will be available to Foundation donors at the CIM Conference in Vancouver, or you can contact Deborah Sauvé at dsauve@cim.org to request your pin.

Jessie Liu-Ernsting, P.Eng., MBA, Jennifer Carrie and Tracy Holmes, P.Eng.



### REMEMBERING JIM POPOWICH, FCIM



Jim Popowich, FCIM, was among our strongest supporters at the CIM Foundation. A long-time member of our fundraising committee, Jim vigorously supported our local branch events and was always the first to volunteer to champion a good cause and was particularly supportive of our Mineral Card project. Jim was highly recognized by his fellow CIM members, through the Coal Award, CIM Fellowship, and Distinguished Service awards. Jim's mining career took him from Cominco's Pine Point Mine in the north, to Potash in Saskatoon, to the Smelter in Trail, and later to managing coal in the Elk Valley in British Columbia. Jim eventually retired as President of Coal Operations for Teck having made the move to Calgary until his retirement. During that time, Jim was long time CIMF advocate as he understood the huge benefits and influence of our educational institutions. Jim finally settled into retirement in Vernon B.C., where he continued his volunteer work with many community groups. As President of CIM, for 2007 and 2008, Jim always stressed the values of family, communities, corporate, and social responsibility, much before the present "green revolution".

Ed Beswick, P.Eng., FCIM, President, Zoltan Lukacs, P.Eng., FCIM

Coal (Carbon)

GROUP

Industrial Mineral

HARDNESS

1-1.5 (peat and lignite)

2 (bituminous)

2-2.5 (anthracite)

SPECIFIC GRAVITY

1.1-1.4 (bituminous)

1.4 (anthracite)

FORMULA

Principal constituents are the elements carbon, hydrogen and oxygen with some sulphur and nitrogen

MINERAL'S IMPORTANCE:

Coal is an extremely important mineral which is a significant energy source; heating and electricity generation. It is also used in the process of smelting iron and steelmaking.

Jim and Laverne Popowich

## NRCAN PROVIDES AN IMPORTANT GRANT TO FCIM TO PROMOTE CANADA'S CRITICAL MINERALS, METALS AND ELEMENTS

Natural Resources Canada (NRCan) Québec educational officers contacted the CIM Foundation early in the year 2020 to express their appreciation for the educational mineral match panels and mineral cards that had been provided to them during an international Geology conference in Québec city. In particular, the cellphone panel continued to be circulated as part of NRCan's outreach kits. The CIM Foundation continued to work with NRCan in 2021 by providing mineral cards for distribution during their educational events focused on students.



THE CANADIAN  
MINERALS AND  
METALS PLAN

LE PLAN CANADIEN  
POUR LES MINÉRAUX  
ET LES MÉTAUX

In 2021, Natural Resources Canada (NRCan), in Ottawa, offered to assist the CIM Foundation's mineral card project by providing a grant to promote Canada's 31 critical minerals. NRCan supported the CIM Foundation by confirming \$30,000 for this project. Thanks to this important grant, mineral cards representing Canada's 31 critical minerals will be printed and distributed across Canada by the CIM Foundation and NRCan in 2022. For a sample of one of Canada's Critical Minerals, please refer to the Chalcophyrite (Copper) card on p.3.

## CIM FOUNDATION KEY EDUCATIONAL OUTREACH / PARTNERSHIPS

In May 2021, Parc Safari inaugurated a mineralogical exhibition in its "Discovery Pavilion", an indoor area dedicated to education about natural sciences, evolution and human development throughout history. With the participation of the Montreal Mineralogy Club and the Redpath Museum, the exhibition was a great success and was appreciated by some 200,000 visitors during the 2021 season.

As a member of the board of directors of the Club de Minéralogie de Montréal, I helped develop the mineralogy part of this educational project. The Pavilion provided interactive animation about minerals and demonstrated the importance of the mining industry. Several thousand M4S cards were distributed and CIMF Mineral-Match panels were displayed.

In 2022, Parc Safari will celebrate its 50th anniversary and plans are already underway to expand the exhibition and develop a program for school groups. It is anticipated that 320 000 visitors will be welcomed from May to October 2022. In addition, Parc Safari plans on extending its opening next winter and the "Discovery Pavilion" will be one of the main indoor attractions offered to visitors.

Simon Sédillot

Member of the Board of Directors of the Club de Minéralogie



### Club de Minéralogie / Parc Safari initiative



## CIM FOUNDATION AND MINERALS ED ROCKS, MINERALS, AND BC'S MINERAL RESOURCES



Supporting and encouraging mining, mineral resources, and Earth Science education in BC schools is a challenging and rewarding task. Providing materials and resources that teachers and students can use to better understand the importance of mining and minerals in their everyday life is paramount for the minerals industry.

It is through the support of organizations like the CIM Foundation that MineralsEd can provide these resources. The Mineral Identification Cards have been a staple in our teacher support packs and resource unit kits for years and have benefited thousands of teachers and tens of thousands of students over that time. These cards help teachers and students understand the important characteristics, such as hardness, specific gravity, and composition, while also providing real-world examples of how they are used in everyday life. This addition to each teacher's tool kit helps students better understand the importance of mining and when paired with physical hand samples from MineralsEd, paints a full picture of the world around them.

With MineralsEd's new Resource Unit "Early Aboriginal People's Use of Rocks and Minerals" the CIM Foundation has once again provided mineral-specific identification cards. These cards pair with physical samples of obsidian, iron ore, coal, malachite, and flint to fully demonstrate that rocks and minerals have played a part in our lives for thousands of years. Students can use the cards at each station where hands-on activities demonstrate how these minerals and rocks were used for art, hunting, and building.

Jason Courneyea,  
Executive Director

**mineralsed**  
Mineral Resources Education Program of BC



## IN MEMORIAM - THANK YOU AND FAREWELL!



Don Worth, FCIM, (1932-2021) served as President of the CIM Foundation (1996-1997) and continued as a member of its Board of Trustees. Don helped secure two important scholarships for the Foundation, the Scotiabank Scholarship in 1998 in celebration of the CIM Centennial and then the Irène Foley Scholarship which became the Arthur and Irène Scholarship for students at the école Polytechnique in Montreal. Don worked in mining in Mexico, Quebec, and Ontario before becoming the CIBC Mining Specialist and their Vice President of Natural Resources. Don was CIM President from 1996 to 1997 and was a recipient of the Robert Elver Mineral Economics Award, and the CIM Distinguished Service Award.

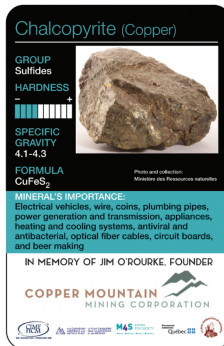
Ed Beswick, P.Eng., FCIM



Jim O'Rourke, (1939-2021) valued communities and knew the importance of mineral education to society. Jim worked tirelessly in promoting the welfare of the mineral industry in Canada and in British Columbia in particular. He was a recipient of the Order of British Columbia, and has won many awards over the years, including his induction to the Canadian Mining Hall of Fame. As President of Copper Mountain

Mining Corporation, Jim sponsored the Chalcopyrite (Copper) mineral card and re-wrote the minerals importance to ensure that the mineral would be better appreciated by students and the general public. Jim was a founder in 1988, of Mining for Miracles, which has raised more than 35M\$ for areas of critical need at the BC Children's Hospital. Jim retired as Chairman of the Board for Copper Mountain in 2019. The Chalcopyrite card is being dedicated to his memory.

Ed Beswick, P.Eng., FCIM



## 2021 BOARD OF DIRECTORS

Ed Beswick (President), P.Eng., FCIM, Jacqueline Allison Ph.D. FCIM (Chair of the Nomination Committee), Tom Broddy, FCIM, Carlos da Costa Ph.D., FCIM, (Chair of Finance Committee), Tracy Holmes, P.Eng., Jean-G. Fortin, ing., FCIM, Jessie Liu-Ernsting, P.Eng., MBA, Zoltan Lukacs, P.Eng., FCIM, (Chair of the Scholarship Committee), Nathan Stubina Ph.D., FCIM, (Chair of the Fundraising Committee)

With support from,

Benoit Sawyer, Treasurer and Deborah Smith-Sauvé, Manager, Secretary

# The mining industry wants YOU!



## Do you want a Scholarship?

### Winter 2021

#### Stantec/McIntosh Scholarships (Mining Engineering, final installments of the 3-year scholarship)

The following students were on internships and have returned to finish their mining programs. Although they come from different communities, they are all students at Queens University. They are the last students to receive their third and final installment of the Stantec/McIntosh Scholarship:

Jacob Bilous, Queens University, and a resident of Dryden, Ontario

Charles Meadows, Queens University, and a resident of Winnipeg, Manitoba

Isabella Semadeni, Queens University, and a resident of Timmins, Ontario

Jacob Yarrow, Queens University, and a resident of Kingston, Ontario

#### Stantec (Mining Engineering)

Etienne Paquette, Laval University, and a resident of Québec City, Quebec

#### Taking Flight (Indigenous students)

Alicia Gilles, Laurentian University, Mining Engineering, and a resident of Timmins, Ontario

Pierre Rochon, Collège Boréal, Technique de radiation, and a resident of Mattawa, Ontario

Martin Rousseau, Collège Boréal, Technique de génie mécanique, and a resident of Verner, Ontario

#### Other CIM Foundation Scholarships

The Caterpillar and its Canadian Dealers (Mining Engineering) and the Scotiabank (open to all fields directly related to mining), the Dr. David S. Robertson (Geology) as well as the Irène et Arthur Foley Scholarships (Mining Engineering at École Polytechnique, Montréal) will be published in the CIMF fall edition of the newsletter.



## 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 and continues to be funded by CIM members.

## CIMF NEWS

This publication is intended to keep you informed about the Foundation including activities and events organized and/or supported by the CIM Foundation (CIMF). Special contributors to this issue are Ed Beswick, P.Eng., FCIM, Jean-G. Fortin, ing., FCIM, Jessie Liu-Ernsting, P.Eng., MBA, Jennifer Carrie, Tracy Holmes, P.Eng., Simon Sédillot, Jason Courneyea.

# THANK YOU FOR YOUR CONTRIBUTIONS TO THE CIMF IN 2021

On behalf of the members of the Mining Industry, we wish to thank you for your generous support during 2021

Your contributions have helped us raise almost \$150,000 from all sources, events, scholarships (S), the CIM Distinguished Lecturer Fund (DL), MetSoc (MS), the Ed Kimura Fund (\*), the Jim O'Rourke Fund (\*\*), the **Earth's Riches Exhibition**  and the Mineral Card Project. All funds received up to January 15, 2022, are included in this report.



Anonyme 2 (S)

Mr. Michael Agnew (MS)

Mr. Armine Banfield

Mr. Terry Bowles, FCIM

Mr. Mike Cinnamon

Mr. Frederick Claridge FCIM

Mr. David D. Davidson

Mr. Graham Farquharson, FCIM (S)

Mr. William Warren Holmes, FCIM

Jenike & Johanson Ltd.(S)

Mr. Dean Journeaux, FCIM

Mrs. Lorraine Kimura (\*)

Mr. Sandy Laird, FCIM (S) (\*) (\*\*)

Mr. Rogers Ludgate

M. Bruno Masson (S)

Mr. and Mrs. Jim Popowich, FCIM

Mr. Thomas Pugsley

Mr. and Mrs. Luc Sauvé

Dr. K. and Mrs. E. Thomas, FCIM

The Walmley Foundation

Mr. Mac Watson, FCIM

Mr. Andrew L. Weishar

Mr. John M. Willson

Mr. Michael D. Winship, FCIM

The Wyslouzil Family Fund (S)

Mr. Rick Zimmer



Anonyme 2

Mr. Michael J. Allan, FCIM

Dr. Gilles Allard

Mr. Paul Marcus Blythe

Mr. and Mrs. Tom Broddy, FCIM

Mr. Alfons Buzas

Mr. Gerald E. Cooper

Mr. Robert Dickinson

Mr. Rod Douglas

M. Jean Fortin, FCIM

Mr. John Goode, FCIM (MS)

Mr. Stephen Heddle

Dr. Jan Nasset, FCIM

Mr. John T. Postle, FCIM (S)

Mr. Alan Pyatt

Mr. William Roscoe

Dr. Nathan Stubina, FCIM



Dr. Jacqueline Allison, FCIM

Ms Norah J Allman

Mr. Ed Beswick, FCIM (\*\*)

Mr. Gordon Bogden

Mr. Biswajit Chanda, FCIM

Mr. and Mrs. Ken Chekerda, FCIM

Mr. Alan Coutts

Mr. William R. Dengler

Dr. James Finch (DL)

Mr. John Frostiak

M. Paul-Henri Girard

M. Gordon C. Guttrath

Mr. Lawrence D.A. Jackson

Mr. John Keenan

Mr. George E. Koivu

Mr. Christopher Krystia

Mr. Malcolm Lake

Mr. Ross Lawrence, FCIM

Mr. Tim Mann, FCIM

Mr. Bruce Neil

Dr. Hani Mitri, FCIM

Mr. Mike Petrina

Dr. Peter Tarassoff, FCIM

Mr. Willoughby Trythall

Mr. Larry S. Urbanoski, FCIM

Mr. Ian Ward

Mr. Paul Wright

Mr. Edward Yates, FCIM

Mr. Jasman Yee



Mr. Volker Ahlborn

Mr. Joseph Aiello

Mr. Eddy N. Berdusco

Mr. John Binns

Mme Louise Blais-Leroux

Mr. Lindsay Bottomer

Mr. William Case

Mr. Edward Chown

Mr. Curtis Clarke

Mr. William T. Cohan

Dr. Carlos da Costa, FCIM

Mr. Ashok Dalvi (S)

Mr. Lee Davis

Mr. Thomas Dereniowski

Mr. Jean-Baptiste Dromer

Mr. Piers M. Ebsworth, FCIM

Mr. Fred A Edwards

Mr. Ivan C. Edwards

M. François Fleury

Mr. Glen Fuchs

Mrs. Tracy Holmes

Mr. Emmett Horne

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Mr. Michael J. Humphris

Mr. Orest Kalawsky

Mr. Ernie Lalonde

M. Jean-Guy Lavoie

Mr. Arthur Lieberman

Mr. Zoltan Lukacs, FCIM

Mr. Terrence Macauley

Mr. Ron Malashewski

Mr. Jan Werner Matousek, FCIM

Mr. William McNeil, FCIM

Dr. Chris Twigge-Molecey, FCIM

Mr. Siobhan Mullan

Mr. Donald I. Nelson

Mr. Emil H. Nenninger

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Mr. Charles T. Ogryzlo

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Mr. Richard Williams

Mr. William R. Wilson

Mr. Don Worth, FCIM

Dr. William V. Youdelis



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Ms Hai Ying Chen 

M. Pierre Laroche

Mr. Lo-sun Jen

M. Guy Le Bel

Ms Jessie Liu-Ernesting

Mr. Kevin Marston

Mr. Hamid A. Mumin

Mr. Thomas Parker

Mr. Mark Richards

Mr. Rarr Ramachandran

Dr. David A. Reeve, FCIM

Mr. Albert F. Reeze

Mr. David J. Selleck, FCIM

Mr. Anthony Strickland

M. Jacques Thiriar

M. Gilles Tremblay

Dr. Paul F. Wilkinson



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