



Canadian Mineral Analysts / Analystes canadiens des minéraux

Communicate analytical technologies in the Canadian mining industry
Communiquer les technologies analytiques dans l'industrie minière Canadienne

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NEWSLETTER

December 2017

50th Annual Canadian Mineral Analysts (CMA) **Conference and Exhibition**

September 9 - 13, 2018

Prestige Mountain Resort & Conference Centre
Rossland, British Columbia

Website: www.2018cma.com

The 2018 CMA Conference and Exhibition will be held in Trail / Rossland, BC, on September 9 – 13, 2018 at the Prestige Mountain Resort & Conference Centre in Rossland. The Conference Organizing Committee is made up of staff from the Analytical Services section of Teck Metals Ltd. They have been hard at work planning a great Conference to mark the CMA's 50th Anniversary!

Information about delegate registration, exhibitor booths, sponsorship, submission of technical presentations, tours and social program will be posted in the near future on Conference website (www.2018cma.com). Accommodation can now be booked at the Prestige Mountain Resort (Conference hotel). To obtain the preferred hotel rate, quote 'CMA 2018'. Accommodation at other hotels, inns and resorts is listed on the Conference website.

We look forward to seeing everyone in Trail / Rossland in September.



CMA 50th Anniversary Logo



Picturesque Downtown Rossland, BC

Photos of the Teck Metals Ltd. operations at Trail and Rossland, BC



Zinc cell house



Indium cell house



Zinc automation system



ICP

Report of the 49th Annual Canadian Mineral Analysts (CMA) Conference and Exhibition Kamloops, BC – September 11 - 14, 2017

The 49th Annual CMA Conference and Exhibition was held in Kamloops, BC, September 11 – 14, 2017 at the Coast Kamloops Hotel & Conference Centre. The Conference was hosted by staff from New Gold Inc. – New Afton Mine, ALS Metallurgical, and Teck Highland Valley Copper Partnership who organized an exceptional program of technical presentations, workshops, exhibit booths, tours, and social program. There were 127 attendees, 37 exhibit booths, 2 workshops instructed by Wes Johnson, and 22 technical presentations. The Best Technical Paper was won by Tyson Boder of Thompson Rivers University for his paper '*Method Development for Determination of Xanthate Compounds in Mining Process Waters by Capillary Electrophoresis*'. The Best Exhibit Booth prize was captured by VWR International / Anachemia.



Best Technical Paper Award presented by John Andrew, Conference Chair (left) to Tyson Boder (right)



Best Exhibit Booth Award presented to VWR International / Anachemia



Delegates on brewery tour



Delegates on another brewery tour



Welcoming Reception



Banquet entertainment by Morgan Andrew and Evan Wilds



Prolite Systems Inc.



AssayNet Inc.



VWR International / Anachemia



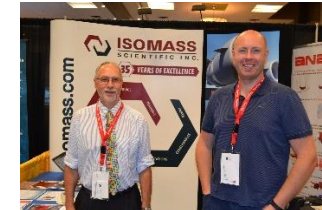
Delta Scientific



Isospark Analytical Solutions



PerkinElmer Canada



Isomas Scientific Inc.



The Registration Desk:
Brenda Tremblay &
Simone Bawtree

Highlights of the CMA Annual General Meeting: September 14, 2017

The CMA Annual General Meeting (AGM) was held on Wednesday, September 14, 2017 at the Coast Mountain Hotel & Conference Centre following the annual CMA Luncheon. Eighteen members were in attendance.

Highlights of the AGM include:

- Sean Murry will continue as CMA Treasurer, and Ed Debicki will continue as CMA Managing Secretary.
- Sean Murry, Jonathan Forrest and Ed Debicki will continue as the Steering Committee to seek organizations to host the annual CMA Conference, and review and approve applications for scholarships and equipment/program funding.
- Sean Murry presented the CMA Financial Statement (see below), and indicated the CMA is in good financial shape.
- Membership dues for 2018 will remain unchanged for individual (\$50), student, retired and inactive (\$25), and corporate (\$500) members.
- John Andrew, 2017 Conference Chair, provided a summary for the Kamloops CMA Conference and estimated a profit of about \$15,000.
- Managing Secretary, Ed Debicki, summarized some of his activities during the year:
 - Several CMA documents were updated including membership forms.
 - Documents were developed outlining benefits of individual and corporate membership.
 - Corporate membership will now include one individual membership and a rebate of \$100 for corporate members who purchase an exhibitor booth at a CMA Conference.
 - The French translation on the CMA logo was corrected.
 - Revisions and updates to the CMA website were undertaken including reactivation of the CMA's Facebook page.

- Liaison continued with the Society Mineral Analysts (SMA) which is the USA counterpart of the CMA.
- Creditor's claim for \$250 was filed with official receiver MNP Ltd. for monies owed to CMA by bankrupt Accurassay Laboratories Ltd.
- 2018 CMA Conference approved to be hosted in Trail / Rossland, BC by Analytical Services section of Teck Metals Ltd. Richard Bredl approved to be Conference Chair.
- Motion approved to discontinue producing annual Conference DVD because most computers no longer have DVD drives. This will also reduce the cost and labour to produce and mail the DVDs. In its place, a 'members only' page will be established on the CMA website to post Conference items such as technical papers, delegate lists, photos, etc. The page will be accessed by a password to be distributed to CMA members and Conference attendees.
- Name of the annual CMA Business Luncheon changed to CMA Annual General Meeting.
- There was general agreement the Exhibit area be shut down after the Wednesday morning coffee break as there are very few delegates in the exhibit hall. This will allow exhibitors to attend the CMA Luncheon.
- Elaine Woo thanked the CMA for the scholarship and equipment grant funding to BCIT. Members were asked to reach out to academic institutions that might be eligible to receive CMA scholarship funding.
- CMA was asked to investigate the electronic transfer of funds (ETFs) for payment of CMA annual membership fees because some banks are eliminating the use of cheques. Sean Murry, Treasurer will investigate this possibility.

CMA Financial Statement

September 1, 2016 - August 31, 2017

Bank Balance as of July 31, 2016			\$ 14,837.40
INCOME:			
Corporate Sponsorships			
Membership Dues, standard memberships		\$ 2,700.00	
Membership Dues, student and retired		\$ 75.00	
Advertisement revenue		\$ 300.00	
Manuals		N/A	
Revenue from 2016 Conference		\$ 37,542.44	
Recovery of 2016 advance		N/A	
TOTAL REVENUE		\$ 40,617.44	\$ 40,617.44
SUB TOTAL			\$ 55,454.84
EXPENSES:			
Office Expense		\$ 1,776.41	
Bank Charges		\$ 110.14	
Scholarships and Grants			
B.C.I.T.		\$ 1,000.00	

BC Certified Assayers Foundation		\$ 3,000.00	
Grants		N/A	
Managing Secretary:			
Travel Expense		\$ 755.93	
Stipend		\$ 4,800.00	
Website costs		\$ 350.00	
TOTAL EXPENSES		\$ 11,792.48	\$ (11,792.48)
ADVANCE for 2017 Conference		\$ 5,000.00	\$ (5,000.00)
BANK BALANCE as of July 31, 2017			\$ 38,662.36
(August bank statement not available in			
Bank statement as of July 31, 2017	\$ 38,612.36		
Cheques not cleared as of July 31, 2017	\$ -		
Deposits not shown as of July 31, 2017	\$ 50.00		
TOTAL	\$ 38,662.36		

G.I.C.			\$ 25,103.11
Maturity date June 20, 2018			
Value upon maturity \$25,220.09			

Comments for the 2017 CMA Financial Statement (Prepared by Sean Murry, CMA Treasurer)

- 1) The 2016 Conference was a great success, generating a total profit of \$37,542.44. Congratulations to Ed Debicki and his team
- 2) The 2016 Conference did not request an advance, so you will not see an advance recovery in this year's financial statement.
- 3) Last year \$5,000 was given to BCIT for scholarships. \$2,000 of that was ear marked for after the close of our financial year August 31, 2016. As a result, this year's disbursement to BCIT was only \$1,000.
- 4) We did not receive any official requests for grants. BCIT did inquire if there was going to be any available funds, and we responded saying we would need to wait until we saw how the 2016 conference ended up financially. I suspect we might be hearing from them this year.
- 5) The 2017 conference requested a \$5,000 advance, which we provided.

Scholarship Opportunities with CALA, Inc.

CALA, the Canadian Association for Laboratory Accreditation, John Lawrence Student Scholarship is awarded up to two students annually who demonstrate their understanding and use of any one of the following themes:

- The Importance of Data Quality
- The Value of Accreditation
- Quality Assurance & Quality Control in Testing Measurements & Experimentation

In order to be considered for the award, students must fulfill all the requirements outlined on the scholarship application form including the submission of a scientific paper addressing one of the above themes.

In addition, the student must meet ALL of the following criteria:

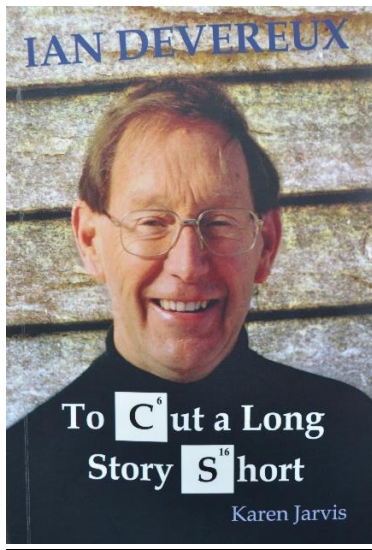
- Be enrolled in a post-secondary institution (science discipline) at the time of the award.
- Have completed a minimum 2-month work term with a CALA Member Laboratory within the past 12 months.
- Submit a completed CALA application form and their paper to CALA for evaluation no later than August 3, 2018

Using the criteria outlined on the scholarship application form, the CALA Scholarship Review Committee will evaluate all papers submitted by the deadline.

Scholarship recipients will receive the following:

- A one-time amount of \$1,000 presented to the winner by a local Board Member or Head of the Member Laboratory;
- Acknowledgement (with photo) in both the CALA newsletter and on the CALA website; and
- Recipient's name entered on a master plaque containing the names of annual recipients. The plaque is kept at the CALA head office in Ottawa.
- Any questions regarding CALA and these scholarships should be directed to: cmallette@cala.ca.
- More information and the application can be downloaded at <http://www.cala.ca/awards.html#scholarships>

Book Review – Ian Devereux



Ian Devereux, founder of Rocklabs, has captured his life story in a book written by his goddaughter and step-daughter, Karen Jarvis. The book provides a light-hearted and easy-to-read, vivid account of an inventor and entrepreneur who followed his passion and believed in himself. Ian narrates a gripping account of his life from bullied farm boy, to Ph.D. scholar, to his work as a forensic scientist in the Arthur Allan Thomas case, to family man, and to founder of the highly successful, internationally acclaimed, New Zealand company, Rocklabs. Ian's unorthodox approach and willingness to take huge financial risks gave rise to a niche marketing business model.

There are numerous anecdotes in the book, including Ian's business trips to politically unstable countries where he faced near-death experiences. Ian's generous and trusting nature, formidable intellect and contagious sense of humour shine throughout this book. One amusing anecdote was Ian's practical approach of buying birthday gifts such as a wheel barrow, a pruning saw and a ride-on lawn mower for his wife Rosie.

Ian was a generous supporter of the CMA and a regular fixture at the annual Conference and Exhibition. A CMA scholarship is named in Ian's honour. The effects of Parkinson Disease have restricted Ian's ability to travel. We all miss Ian's presence at the CMA Conferences.

Copies of Ian's book can be purchased by contacting Radu Puiu at Rocklabs through his e-mail: r.puiu@rocklabs.com



CMA Scholarships

The CMA awards six \$1,000 scholarships annually to students enrolled in chemical engineering technology or fire assaying programs in qualified Canadian colleges and universities. Four of the scholarships are named in honour of James Tweed, Bill Clifford, Ian Devereux and Eric Hoffman.

For 2017, three CMA scholarships were awarded to BCIT students, and three CMA scholarships were awarded by the BC Certified Assays Foundation.

BCIT Scholarships:

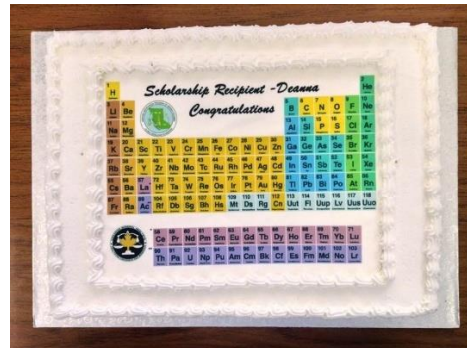
- James Tweed Scholarship: Curtis Roth
- Ian Devereux Scholarship: Naomi George Oommen
- Eric Hoffman Scholarship: Shiqi Yin

BC Certified Assayers Foundation Scholarships:

- Unnamed Scholarship: Winnie Tan (CESL Ltd., Vancouver, BC)
- Unnamed Scholarship: Henry Chan (ALS Metallurgical, Kamloops, BC)
- Bill Clifford Scholarship: Deanna Zanet (Teck Metal, Trail, BC)



Scott Daniels presentation of cheque to Deanna Zanet



Cake with Periodic Table to celebrate Deanna Zanet winning CMA Scholarship

BC Certified Assayers Foundation Votes to Decertify

By: Scott Daniels, Acting Secretary,
BC Assayers Foundation Advisory Council

Since 1895, the Government of British Columbia has maintained an Assayer Certification program. This program was run and funded by the Government of British Columbia.

In the late 1990s, the Government stopped running and funding the program. Starting in 2003, a Foundation named the *British Columbia Assayers Foundation Advisory Council* was established. Members of the Foundation were from industry, government and the academia. The mandate of the

Foundation was to provide feedback to the *BCIT Certified Assayer Training Program*, and to oversee and fund a volunteer Board of Examiners.

Over the period 2003 through 2017, the Foundation struggled to achieve regular, sustainable funding from industry, particularly during challenging economic times in the minerals sector. Another challenge was identifying qualified examiners to support succession planning for the Board of Examiners.

At an April 21, 2017 meeting of the Foundation, a motion was unanimously approved to investigate dissolving the Foundation. At the next meeting held on November 17, 2017, the Foundation unanimously approved a motion to dissolve and decertify.

Moving ahead, it will be a decision by the Government of British Columbia and their Board of Examiners as to whether written and practical certification examinations will continue.

In Memoriam



Ronald John Emburgh

(September 22, 1948 – May 24, 2017)

Ron passed away suddenly after a courageous battle with cancer at Trillium Hospital, Mississauga, Ontario. Beloved husband to Theresa and loving father to Lisa (Strk), Mark, and Leanne (Compisano). Proud and devoted papa to Damir and Lauren. Loving brother of Mary Lou and uncle of Milo. Loving father-in-law to Damir and Adam. Ron will be dearly missed by his many friends and family members.

Ron was co-inventor of the ColdBlock™ Digestion Technology.

2017 and 2018 CMA Corporate Members



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GEOSCIENCE LABORATORIES



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For information on CMA Corporate Membership, including benefits of Corporate Membership, visit the CMA website or contact Ed Debicki, Managing Secretary.

Call for Interest in Hosting **2019 CMA Conference and Exhibition**

The CMA Conference and Exhibition relies on individuals and organizations to volunteer to organize and host the annual Conference. Currently, the CMA is canvassing its members, exhibitors and other interested parties to secure a host and venue for the 2019 51st Annual CMA Conference and Exhibition to be held in mid-September.

With the 2017 and 2018 CMA Conferences being held in Western Canada (Kamloops and Trail / Rossland), the 2019 Conference should shift back to Eastern Canada.

If you are interested in hosting the 2019 CMA Conference and Exhibition, please contact Ed Debicki, Managing Secretary.

Newsletter Submissions – Next Issue

Submissions for the Canadian Mineral Analysts (CMA) Newsletter are always welcome. The next issue is scheduled for the summer 2018.

Submissions should be forwarded to Ed Debicki, Managing Secretary, no later than July 15, 2018.



Canadian Mineral Analysts (CMA)

The Canadian Mineral Analysts (CMA), formed in 1969, is an association comprised of: 1) Canadian earth science, mineral exploration and mining analytical laboratories in government, academic institutions, mining industry, and the private/commercial sector; 2) manufacturers and suppliers of instruments and equipment for analytical laboratories; and 3) suppliers of laboratory consumables.

The annual CMA Conference and Exhibition is held in mid-September in a different Canadian city. The first Conference was held in Rouyn-Noranda, Quebec in 1969.

The mission of the CMA is to 'communicate analytical technologies in the Canadian mining industry'.

The CMA is a not-for-profit organization with membership dues and proceeds from the annual CMA Conference and Exhibition used to provide: 1) scholarships for Canadian college and university students studying fire-assaying and/or chemical engineering technology, and 2) equipment and program grants to qualified fire-assaying and/or chemical engineering technology programs in Canadian colleges and universities.

For individual and corporate membership information in the Canadian Mineral Analysts (CMA) visit the CMA website or contact:

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CMA website: www.canadianmineralanalysts.com

An Individual Membership Form and a Corporate Membership Form, along with an outline of benefits in each membership category, are available on the CMA website.
