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## Canadian Mineral Processors 37<sup>th</sup> Annual Operators Conference

The Canadian Mineral Processors 37th Annual Operators Conference was held in Ottawa, January 18-20, 2005 at the Westin Ottawa. A record number (372) of delegates from 15 countries were welcomed by Chairperson Jennifer Abols.

### Technical Program:

An outstanding technical program, organized by Vice Chair, John Starkey featured 38 technical papers including CIM Distinguished Lecturer and this year's plenary lecturer Margarete Kalin of Boojum Resources. A brief summary of the technical program and the session chairs is given below.



Margarete Kalin, Boojum Resources giving her Distinguished Lecturer presentation entitled "*Decommissioning for Sustainability With Ecological Engineering*".

**New Ideas:** Papers on alumina from clays, the use of end members for grind and advances in gold cyanidation. Session Chairs - Graham Holmes and Ken Dyck

**Operating Improvements/Projects:** Papers the Kemess concentrator, the Round Mountain Gold Project, Murrin Murrin CCD1 rake mechanism, the Kanowna Belle Gold Mine, process improvements at Brunswick Mine and flotation circuits at Galmoy Mines in Kilkenny Ireland. Session Chairs: Eric Herbst and Chris Fleming

**Comminution:** Papers on optimizing performance of AG/SAG mill, developments in high pressure grinding technology for base and precious metal mineral processing and improving plant grinding performance. Session Chairs: Stuart McTavish and Beny See Hoye.

**Predictive Tools:** Papers on performance enhancement of semi-autogenous grinding, the use of gas dispersion measurements to improve flotation performance, ultrasound use in copper-nickel sulphide

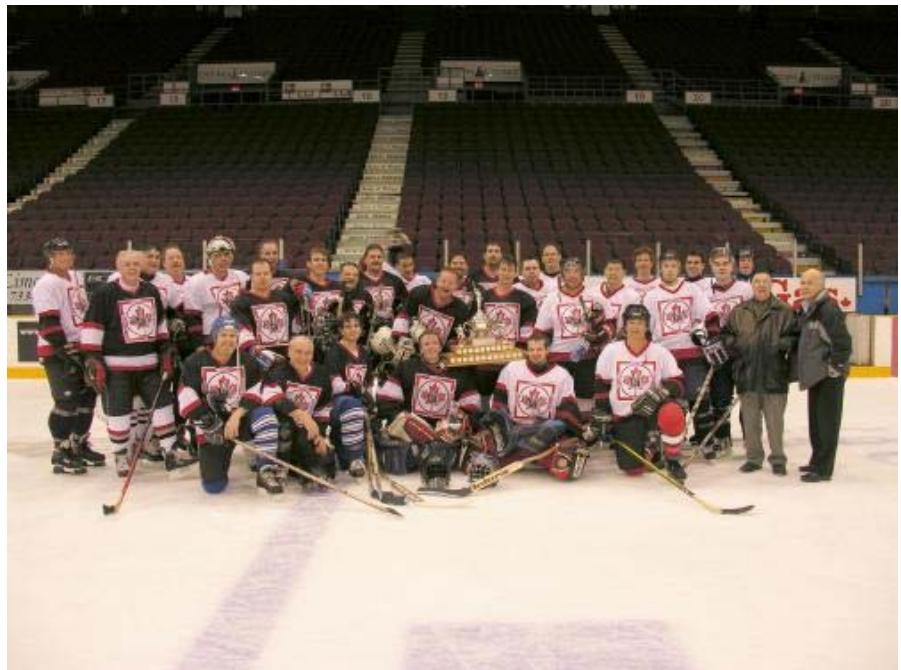
flotation, and flotation control based on froth textural characteristics. Session Chairs - Renée Barette and Pierre Julien

**Flotation:** Papers on the effect of pulp temperature on copper and gold collectors, the Coarse Particle Recovery Process, Red Dog lead regrind circuit optimization, flowsheet design using flotation rate, selectivity and RTD data, and frother analysis. Session Chairs - Fraser Bringeland and Mike Smith

**Dewatering and Miscellaneous:** Papers on fugitive dust control, designing for paste thickening automatic sorting of minerals, and novel dewatering aids for mineral concentrates and coal. Session Chairs - Ian Orford and Nancy Duquet Harvey.

### **5th East/West Hockey Challenge**

The 5th East/West Hockey Challenge took place following the Technical Sessions on Tuesday. Hockey enthusiasts from near and far squared off to play for the coveted Kilborn Cup at the Ottawa Civic Centre. After almost two hours of very fast and exiting hockey, the game ended in a 6-6 tie.



5th East/West Hockey Challenge Players and Coaches

### **Chairman's Reception**

The chairman's reception on Tuesday evening this year was livened up with a karaoke session led by host Jennifer Abols.

### **Annual CMP Business Meeting**

At the Annual CMP Business Meeting, held on the Wednesday morning, nominees for officers of the CMP for 2005/2006 were as follows:

Past Chair - Jennifer Abols  
Chair - John Starkey  
1st Vice-Chair - Colin Hardie  
2nd Vice-Chair - John Folinsbee  
Secretary - Janice Zinck  
Treasurer - Ray MacDonald

The CMP Regional Representatives are as follows:

Newfoundland & Labrador - Pending  
Maritime Ian Orford  
N.W. Ontario Mike Timmins  
Toronto Eric Herbst  
Central Ontario Renée Barrette  
N.W. Quebec Paul Cousin  
Manitoba Keith Merriam  
Montreal Denis Cotnoir  
Saskatchewan Ken Dyck  
N.E. Ontario Andrew Cormier  
Alberta/N.W.T/Nunavut. JohnPaul Portelli  
Superior Wayne Fong  
B.C./Yukon Bern Klein



**CMP Executive 2005/2006**

L to R - Front Row: Ray MacDonald, Janice Zinck, Jennifer Abols, John Starkey, Steve Wilson  
Back Row - Mike Smith, Ken Dyck, Renée Barrette, Ian Orford, Keith Merriam, Nancy Duquet-Harvey,  
JohnPaul Portelli, Fraser Bringeland, Chuck Edwards

Colin Hardie, Technical Program Chairman for 2005/2006 issued the 1st Call For Papers for the 38th Annual Canadian Mineral Processors Operators Conference to be held January 17-19, 2006, in Ottawa, Ontario.

A vote of thanks was called by Colin Hardie to the corporate sponsors of the meeting:

Click on company name to go to their website (opens new window)

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## **Annual Reception and Awards Banquet**

On Wednesday evening, Jennifer Abols welcomed delegates in the Westin Hotel's Confederation Ballroom for the annual reception, dinner and presentation of awards. Jennifer introduced the 26 students, sponsored by the CMP and selected from each of the Universities and Technical Schools across Canada offering studies in the Mineral Processing field:

University of British Columbia - Wes Kitura and George Dermer  
British Columbia Institute of Technology - Andrew Heaton, (Chris McKinnon unable to attend)  
University of Alberta - Laurel Cooper and James Hebers  
Keewatin Community College - Michael grant and Sheri Morris  
Laurentian University - Tanya Forest and Tyler Buckingham  
Haileybury School of Mines - Jeff Todoschuk and Pengyan Zhu  
University of Toronto - Nick Fonceca and Josh Clelland  
Queen's University - James Pettingil and Julia Gartley  
McGill University - Ryan Cunningham and Stephane Girard  
CEGEP de Thetford Mines - Cynthia Plante and Yanick Dumias  
CEGEP de L'Abitibi-Temiscamingue - Lise Belzille and Marie-Eve Vachon  
Université Laval - Isabelle Larouche and Yannick Bergeron  
DalTech - Brian Aucoin and Kendal Dunnnett



CMP 2005 Sponsored Students

## **Presentation of the Awards**

CIM Executive Director Jean Vavrek assisted Jennifer Abols with the award presentations.

**CIM Fellowship Award**

Presented to Mike Mular, accepted by Andy Mular on Mike's behalf.

**Best Presentation Award (36th Annual Meeting)**

Won by Andre Laplante, McGill University for his presentation "Recovery Of Platinum Group Minerals From Grinding Circuits: A Protocol For Prediction".



**The Bill Moore Special Achiever Award**

Keith Merriam of Hudson Bay Mining and Smelting, introduced this year's winner of The Bill Moore Special Achiever Award - Fred Rizzuto of Hudson Bay Mining and Smelting.

This award is presented in memory of Bill Moore, a very active CMP member for many years, to recognize special achievement to our industry and organization. Typically the award is presented to a younger member.

The 2005 recipient of the Bill Moore Special Achiever award is no stranger to many in the CMP.

Fred Rizzuto accepting Bill Moore Special Achiever Award from Keith Merriam and Jennifer Abols.

Fred Rizzuto graduated from the Northern Alberta Institute of Technology with a Mechanical Industrial Engineering Technology Diploma in 1985 and the University of Toronto in 1991 with a Bachelor of Applied Science, Metallurgy

and Material Science. Fred briefly entered a Masters Degree program at the University of Alberta, but soon left to join the ranks of operating metallurgists.

Fred worked for Sherritt Gordon and Canspec before joining Hudson Bay Mining and Smelting in 1995. While at Hudson Bay, Fred rose in position from Jr. Metallurgist to Sr. Metallurgist. Along the way Fred had the opportunity to assist in the startup of the Lisheen Mill, Ireland and the re-commissioning of the Snow Lake Mill in Northern Manitoba. Fred worked on the opening stages of the 777 expansion project.

In late 2001 Fred left Hudson Bay Mining and Smelting and accepted the position of Senior Plant Engineer at Albian Sands Energy Inc. While there Fred has helped bring the skills and practices of the mineral processor to oil sands processing. Fred currently holds the position of Staff Operations Engineer at Albian Sands.

**CMP Mineral Processor of the Year Award**

The prestigious CMP Mineral Processor of the Year Award is presented annually to recognize meritorious service or an outstanding contribution to CMP or industry. This year Dave Scott introduced this year's winner, Larry Urbanoski of Noranda.

Larry's approach has been one where teamwork and adherence to a strong process for fundamental understanding and continuous improvement have delivered the promised results. His commitment to the industry has included the development and training of future engineers and researchers, and he has also found the time to give back to the mining communities themselves.

Larry was born in the small farming community of Winnipegosis, Manitoba. He attended the University of Saskatchewan and graduated with a Bachelor's in Mining Engineering in 1970.

After graduation, Larry was hired by Noranda to work as a metallurgist at the Geco Mine in Manitouwadage, northwestern Ontario.

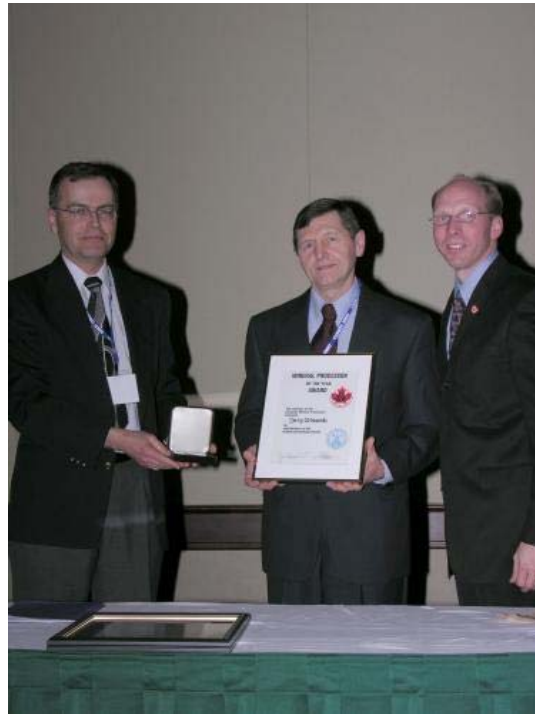
As Mill superintendent, Larry championed many modernization projects that would bring Geco from

50's technology into the modern milling age. Included amongst these were, the replacement of the original wooden MacIntosh flotation cells, increases to flotation capacity, the implementation of on-stream analysis and process control systems, and the introduction of contemporary tailings disposal methods and an effluent treatment plant.

Extending beyond his work, Larry served the community of Manitouwadge for years as a School Board Trustee, and provided his steady-hand-on-the-tiller as Chairman during a particularly turbulent period in the '80's.

In 1987 Larry and his family transferred to northern New Brunswick to the Brunswick Mining Division. As Mill Superintendent, he was a key player in resolving difficult management/union relationships that prevailed at the time.

Through a disciplined and reasoned approach, Larry sorted through literally hundreds of issues to focus on the critical few. Under his leadership, concentrator performance improved dramatically in every dimension, including safety, environmental compliance, tonnage throughput, cost and, most significantly, metallurgical performance. Improvements at Brunswick were achieved through the introduction of a quality management culture based on a "Back to Basics" philosophy in which Larry stressed a need to understand process fundamentals through systematic investigation. His own philosophy of "probe, stabilize and institutionalize" set the stage for these improvements.



Larry Urbanoski accepting the Mineral Processor of the Year from Dave Scott (L) and Steve Wilson.

supports collaborative research projects.

Indeed, Larry continues to champion that section of CAMIRO, and has a string of successful research projects at both McGill and the University of Alberta to his and CAMIRO's credit.

The importance of these projects to mineral processing research in Canada, and to the development of top professors and students cannot be underestimated.

Since 1996 Larry has been with the Corporate Office, as Director of Mineral Processing. He performs due diligence studies and assists Business Development and Exploration teams with evaluation of potential acquisitions or deposits, taking him around the globe.

#### **Past Chairman Award**

In March 1996 Larry moved to Noranda' Toronto office where as Director of Mineral Processing for Noranda he was directly involved with engineering and metallurgical development activities for projects such as Antamina.

As Noranda's representative on the Technical Advisory Committee, he was jointly tasked with achieving the optimum milling solution for a large tonnage and mineralogically complex ore body, respecting the knowledge and experience brought to the table by the other major partners, BHP Billiton and Teck.

The Lady Loretta project in Australia had been worked on for many years by several different mining companies. It was known to have two deficiencies: a small resource and very difficult metallurgy. Noranda geologists succeeded in increasing the size of the mineralized body and Larry and his team vastly improved the metallurgical results.

Despite Larry's heavy management schedule, he always finds time to participate on industry committees. He is currently Chairman of the Metallurgical Division of CAMIRO, the Canadian Mining Industry Research Organization, an industry-led group that organizes and

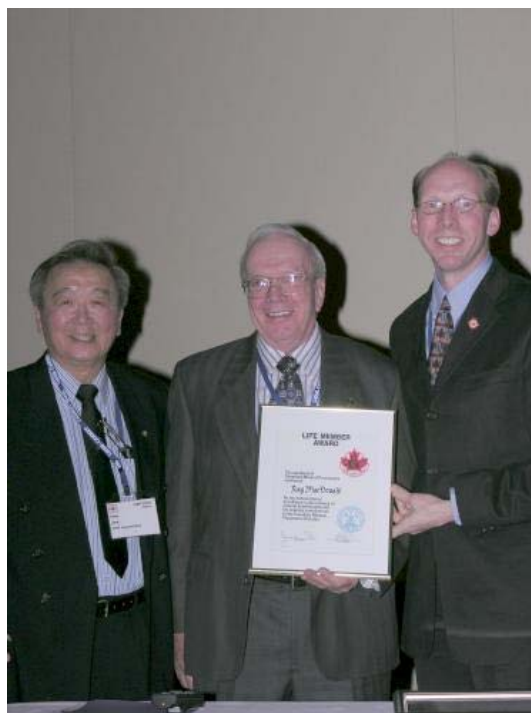


Steve Wilson accepting Past Chairman Award from Jennifer Abols

***CMP Life Member Award***

Eddie Joe, formerly of CANMET had the dubious honour of introducing CMP Life Member recipient Ray MacDonald.

The CMP Life Member is awarded from time to time by the membership at the Annual Meeting for demonstrated excellence in the science of mineral beneficiation and ongoing contribution to the Canadian Mineral Processors. In January 2005, it was with great pleasure that the CMP Life Member was awarded to Ray MacDonald.



Eddie Joe and Past Chairman Steve Wilson presenting  
the CMP Life Member award to Ray MacDonald.

In the past several decades, Ray MacDonald had been the foundation and driving force behind the Canadian Mineral Processors. The success of the CMP is due primarily to Ray's dedication, leadership and commitment to the organization. Ray first served on the CMP Board of Directors in 1990 as Secretary and continues to be active today on the Board as CMP Treasurer.

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