

SME COLORADO SECTION – JANUARY 2014



The Colorado State Capitol (The Denver Post/Andy Cross)

Monthly Meeting

January 16, 2014

Dinner at 1515 Restaurant

Dinner at 6:00 pm. Doors open at 5:30 pm, full un-hosted bar will be available; credit cards accepted.

1515 Market St, Denver, CO 80202

Marie Patterson, Manager, State Government Affairs for AngloGold Ashanti North America Inc. (AGANA), will speak on their involvement with the restoration of Colorado's capitol dome: "Gold mined from Cripple Creek & Victor Gold Mining Company (CC&V, principally owned and managed by AGANA), located in Teller County, has been gilded to Colorado's capitol dome as part of the State Capitol restoration project. Boxes containing gold leaf, produced from 65 troy ounces of 24 karat gold, enough to cover the entire dome, and one 10 ounce 24 karat ingot, were officially presented to Governor John Hickenlooper this past June in a bucket brigade carried up the west steps of the State Capitol by CC&V employees. This presentation provides an overview of CC&V's donation and a summary of the capitol dome restoration project."

Ms. Patterson joined AGANA in 2000 and currently manages lobbying activities on behalf of AGANA in Colorado. In addition to managing legislative issues, she develops and implements AGANA's public and government relations strategy and programs at the federal and state levels. She specializes in philanthropic strategies and educational outreach programs that create successful and sustainable business relationships. Before joining AGANA in 2000, Marie served in various capacities for Homestake Gold Mining Company in Lead, South Dakota (1990-1999).

RSVP and payment information is on the following page.

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Monthly Meeting RSVP

Cost: \$50 per person. Students welcome at \$20 per person with reservation

RSVP and payments, whether you are an SME member or not, will now be made through the SME Community Event page:

<http://community.smenet.org/SMENET/Events/>

Or through the Colorado SME Community:

<http://community.smenet.org/Colorado/Event/UpcomingEvents/>

Through the event page, you may pay by credit card, or submit your RSVP using the option to “Generate Invoice” and pay at the event by cash or check. If you pay by credit card online, you will be assessed a small processing charge (\$1.42 for this event). Once you have selected to “Register Now” on the event page, if you are not already logged in, you will be taken to the login page. Use your SME national login credentials, or create an account as a non-member.

Questions can be directed to Lori Freemire, lorigreemire@missionroi.com

Section Meeting Speakers

If you are interested in being a speaker and giving a presentation at one of the section’s monthly meetings, please contact our Program Chair, Laura Fletcher, at 303-234-0273x212 or lfletcher@harwest.com.

Dues: SME Colorado Section

Local Section Dues for 2013-2014 are \$25. The Dues Card was sent out in August. Email Amanda Garcia for an invoice to pay by check. Payments with a credit card will be accepted online. Online you will have the opportunity to make a Support Contribution to help fund the Section’s outreach programs for minerals education, scholarships for Colorado students pursuing degrees in the minerals industry, local engineering programs such as the State Science & Engineering Fair, and sponsorships for K-12 teachers participating in the All About Mining – *A Total Concept of the Mining Industry* course.

Pay by credit card online at the following, select Dues 2013-2014: Colorado Section.

<http://community.smenet.org/Events/UpcomingEvents/>

2014-2015 Colorado Section Board of Directors

The Colorado Section is seeking volunteers for positions on the Board and its committees during the 2014-2015 year. If you would like to become involved, please contact Cathy Begej, cbegej@norwestcorp.com by January 31, 2014.



Colorado Mining Exhibit Foundation Update

The Colorado Mining Exhibit Foundation of Lakewood (2007 MMSA President's Citation and 2008 Prazen Award winner) has sponsored and set up a second "Teacher's Corner" exhibit at the Western Museum of Mining and Industry. The first "Teacher's Corner" was at the National Mining Hall of Fame & Museum in Leadville. The project is an example of how mineral industry outreach groups can cooperate to maximize impact on target audiences.

The Foundation provided the 9 ft. x 9 ft. space frame, Velcro exhibit and graphic material promoting the CMA/CSM summer teacher's course and the SME/MEC public education web site, www.MineralsEducationCoalition.org. The function of the display is to answer the question: "Now that I have learned about mining in the past, where can I get impartial information on modern mining, reclamation and safety"?

CMEF is always working to expand partnerships with mineral industry groups such as NMA, MMSA, SME, CMA and science teacher organizations such as NSTA.

If you would like to help with funds, displays, large mineral samples, and/or volunteer time contact Guy Johnson, Exhibit Coordinator, Colorado Mining Exhibit Foundation, 568 South Carr Street, Lakewood, CO 80226, (303)969-0365 or GPJ222@aol.com

Jefferson County Outdoor Lab

After having participated in the Colorado Mining Association Education Foundation's 45th All About Mining class at the Colorado School of Mines this summer, Jon Bromfield, Curriculum Specialist at the Jefferson County, CO, Outdoor Lab for 6th graders, is planning to expand the facility's geology program to include mining! He is searching for some troughs that could be given to the Outdoor Lab that could be used to teach students the art of panning to illustrate gravity-separation techniques. He would also like to obtain some historical mining "artifacts," and especially modern-day items that could be used to demonstrate environmentally-friendly and safe mining-techniques to the ~4000 students who annually attend the Outdoor Lab.

If you could help, please contact Jon Bromfield directly at: 303-982-5208 or jbromfie@jeffco.k12.co.us.





SME Colorado Section Scholarship

The SME Colorado Section is accepting scholarship applications for the 2014-2015 school year. The due date for submission is February 16th, 2014, and is open to Colorado students pursuing degrees in the minerals industry, Mining Engineering, Metallurgy, Geology, and other similar programs. Application information and questions can be sent to Section Vice President Chuck Yarbrough, Chuck.Yarbrough@tetrattech.com.

Congratulations to this year's recipients, Clancy Harman, Chelsea Pomeroy, Kyle Chandler Lindahl, Devin Weekley, and Robert T. Williams.

Filtered, Paste and Thickened Tailings Course – January 2014

Filtered, paste and thickened tailings is developing into a mature technology with wide application in mine tailings management. Several large tonnage operations are being developed based on paste and filtered tailings systems.

The successful implementation of filtered, paste and thickened tailings technology is dependent on a sound understanding of slurry colloidal behavior, thickening and thickener operation, filtration, rheology, pump and pipeline transport systems, conveyor transport and disposal methodologies.

This four-day course, hosted by Paterson and Cooke, presented in conjunction with Prof. Andy Fourie of the University of Western Australia, provides delegates with a thorough background to the field so that they are better equipped to successfully implement filtered, paste and thickened tailings systems. The course will be held from January 28 to 31, 2014 on the campus of the Colorado School of Mines in Golden, Colorado. The Colorado School of Mines will award 2.3 Continuing Education Unites upon successful completion of the course. The course brochure may be accessed at: <http://www.patersoncooke.com/services/courses/2014/FPTT2014Brochure.pdf>



2013 Denver NSTA Huge Success

More than 50 members of the SME Colorado Section, and others, pitched in to help make the Minerals Education Coalition (MEC) exhibit at the December National Science Teachers Association regional convention in Denver one for the record books. Our theme, "Minerals Are Life!" demonstrated the fundamental role of minerals in our food chain, from fertilizer minerals and essential trace nutrients in our foods, to food preparation materials such as filter aids and fillers. During the 3-day meeting, over 1400 mineral kits were distributed to more than 800 teachers; many took more than one kit to share with teachers back home. The kits included eight minerals, a 10x loupe, streak plates, hardness samples, a submarine for classroom demonstrations of the chemistry of baking soda/powder, a poster of elements in the human body, and a flash drive that explained everything at the exhibit plus much more. Teachers waiting in line were entertained by a video from Caterpillar and reference materials that they could obtain from MEC.

Thanks are especially owed to the following companies and individuals who supplied mineral samples, financial assistance, and logistical support: ***Intrepid Potash, Inc., Harrison Western, FMC Corporation, Daltile, American Gypsum, Active Minerals International, LLC, Hazen Research, Inc, Pioneer Sand Company, Inc., Cliffs Natural Resources, DuPont Titanium Technologies, Tim O'Neil, Richard A. Beach, Wyoming Analytical Laboratories, Inc., Florida Geological Survey, SME Student Chapter at Colorado School of Mines, the SME Colorado Section, and the SME Foundation.***

In addition, about 20 enthusiastic volunteers set up and staffed our 4-booth island exhibit, creating more positive energy than any other exhibitor on the floor. A big thank you to ***Dick Beach, Cathy Begej, Paul Chamberlin, Judy Colgan, Alan Cram, Laura Fletcher, Joe Grogan, Doug Hoffer, Karen Jass, Guy Johnson, Allan Juhas, Bob and Leslie Kilborn, Heather Lammers, Michele Lawrie-Munro, Doug Magee, Kirk McDaniel, Tim O'Neil, Marie Patterson, Mike Sheahan, and Chelsey Wilson.*** Thank you also to ***MEC staff from SME headquarters, Rachel Grimes, Sharon Schonhaut, and Rebecca Smith,*** who went 'above and beyond' to insure that things went smoothly.

And last, but certainly not least, members of ***Women In Mining Colorado Chapter, Amanda Adams, Jackie Dorr, Joline Faylor, Betty Mahaffey, Lori McCasky, and Brenda Steele*** conducted a workshop, ***Toothpaste with a Twist,*** to complement our exhibit. Thank you all.



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