

SME COLORADO SECTION – OCTOBER 2013



Monthly Meeting

October 17, 2013

Lunch at the Tech Center, Maggiano's

Lunch at 12:00 pm, door open at 11:30 am

7401 South Clinton Street, Englewood, 80112

Speaker, Karen McHale, will discuss the challenges of mine water treatment; specifically, how metal constituents begin to concentrate due to the water reuse/recycle process and can interfere with the chemistry of the mining process. Which method most effectively removes constituents from the waste water? What are the options for dealing with waste? McHale has reviewed the different technologies available and will offer her findings on mine water solutions.

McHale holds a degree in Chemical Engineering from the Colorado School of Mines. She is the Business Development Manager at BlueWater Technologies. She and her husband live in Clear Creek County.

Cost: \$35 per person

Students welcome at \$15 per person with reservation

RSVP and payment information is on the following page.

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



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Monthly Meeting RSVP

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/Events/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 (\$1.35 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.

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/>

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.

SME Colorado Section Golf Tournament 2013

This year's annual SME Colorado Section Golf Tournament was a great success. The event was sold out and the weather was great on a beautiful Friday afternoon in Golden, CO. Thank you everyone who participated in and volunteered for the event. We'd like to give a special thanks to all our sponsors, Lori Freemire, and Jacki Malone for making the event possible.



SME Local Section Grant Award

The SME Local Section Grant Committee met back in September and approved a grant of \$2,500 to the Colorado Section in support of the outreach and mineral education programs, “All About Mining” course and the NSTA Conference.

45th All About Mining Class Graduates 17

After nine intensive days of classroom lectures coupled with nine days of field trips to various metals, industrial minerals, aggregates, and energy operations, the Colorado Mining Association Education Foundation (CMAEF) graduated 16 K-12 teachers and a museum curator from the 2013 All About Mining course (www.AllAboutMining.org) at the Colorado School of Mines.

Teachers are now being sought for the June 23 to July 18, 2014 class. With tightening school budgets and frozen salaries for teachers in many districts, SME members are asked to help solicit teachers for this important program. If you can recommend a teacher for the program, please have him/her contact Dan Witkowsky, Course Coordinator, at 303-972-1814, or DanielWitkowsky@aol.com.



December 2013 National Science Teachers Association

The Minerals Education Coalition (MEC) Subsection of the CO Section will be hosting the December 12-14, 2013 "Minerals Are Life" exhibit at the (NTSA) convention. This year we chose the theme "Minerals Are Life" with our emphasis being the use of various minerals in food and those used in growing food. There will be eight mineral samples in each of the 2,000 mineral kits we'll be preparing for distribution to attending teachers. If you would like to donate to the CO Subsection MEC, provide materials for the mineral kits, volunteer in bagging the samples in September, or volunteer in December at the convention please contact Dick Beach at 303-986-6535 or dickbeach@alumni.mines.edu

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.

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SME Colorado Section Scholarship Award Recipients

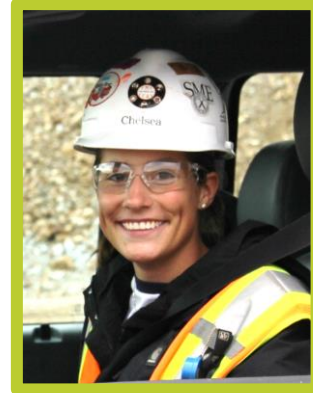
The annual golf tournament and supplemental contributions to the Colorado Section have historically helped to fund over \$10,000 per year in scholarships for students at the Colorado School of Mines and other Colorado engineering programs. Current students must submit an essay to the Colorado Section Scholarship Committee and then sit before the committee for an interview. Here are this year's scholarship recipients.

Clancy Harman



Clancy is a senior studying Mining Engineering at the Colorado School of Mines. Over the past three summers, he has interned for Barrick and Newmont in Elko, Nevada and Freeport Moran in Empire, Colorado. Clancy has been heavily involved with the school's student mine rescue program, serving as president for the past two years as well as the SME Student Chapter where he has served as an officer for the past three years and as president for the 2012-2013 academic years.

Chelsea Pomeroy



Chelsea is a senior Mining Engineering student at CSM. In April, she was elected to serve as Chairman for the CSM Section of SME for the 2013-2014 school year. Over the past few summers, she has had the opportunity to work in underground potash with Mosaic in New Mexico, surface gold with AngloGold Ashanti at CC&V mine, and at two geological exploration camps in British Columbia and the Northwest Territories. Pomeroy also works at the Edgar Mine in Idaho Springs as a shifter, and at the Geology Museum on the CSM Campus during the school year. She participated in a study abroad program at the Camborne School of Mines in Cornwall, United Kingdom last spring, and has competed on both theirs and CSM's mining competition teams.

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Kyle Chandler Lindahl



Kyle will be graduating this December, earning a Bachelor's degree in Mining Engineering and also holds dual Bachelor's degree in Accounting and Finance from Leeds School of Business at the University of Colorado in Boulder. Lindahl is an active member of the SME, is in Tau Beta Pi Engineering Honor Society, and is on the CSM Cycling Team. The mining experience Kyle holds has been with Rio Tinto where he had the opportunity to work with mining professionals to develop plans for ore body access and mining processes, and also gained insight to mine remediation and closure.

Devin Weekley



Devin Weekley, a native of Colorado, is currently a third year student at the Colorado School of Mines, (CSM.) At CSM Devin is studying mining engineering. When not studying or doing homework, he finds time to participate in Mine Rescue, the CSM Mining Games team, and the student SME chapter, where he is the current MEC chair. Devin has experience working as an operator and shifter at the CSM Edgar Mine and recently spent the summer as an engineering intern at the Mosaic Carlsbad operation.

Robert T Williams



Robert became interested in mining after reading an article about space mining. After a little research, he found that mining engineering is a flourishing and well respected career. He enjoys the mining industry because it allows an engineer to face all kinds of different challenges. In his internships, he has had to apply knowledge of finance, road design, ventilation, and ground control. Williams has gained experience working at coal mines for two summers.

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Visit the Section web site: www.smenet.org/colorado/

This Newsletter is emailed to currently active members of SME who live in the geographic area of the Colorado Section. If you would like to be removed from this distribution list, use this web address <http://www.smenet.org/page/index.cfm?id=182> to unsubscribe from eNews.

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