



Health and Safety Minute

With the changing of the season and the end of daylight savings time there is an increased risk of accidents due to the change in ambient light during the beginning of the work shift.

Safety Tips for Daylight Saving Ending:

- Increase awareness of the potential for accidents after the time change
- Wear high visibility or reflective clothing in high traffic areas
- Regularly clean the windows and mirrors on mobile equipment
- Have multiple pairs of safety glasses with different tints to change with the ambient light conditions

Section Chair Report

I would like to thank everyone who participated or contributed to our annual golf tournament. We had a wonderful turn out! All of our golf tournament sponsors' logos are provided later in the newsletter. A special thank you to **Hugh E. Harvey, Jr.** for his generous donation. These contributions have helped to secure scholarship funds for six students focused on Mining Engineering, Metallurgy, and Mining Geology. I would also like to thank our past Chair, David Bieber, for his hard work on the tournament, as well as my trusted board. This was a team effort and I am thankful to work with all of you. We have also provided photos and bios of the students we have chosen to award our golf funds to later in the newsletter. If you have not participated in this event in the past, I highly suggest you consider it, it goes to a wonderful cause, and is a great way to meet and greet with others in our industry.

I am very excited about our SME meetings this year. We will be posting all of our meeting dates on the website calendar with links to sign up (please bear with us as this is a current work in progress). We hope you can all join us, as we have lined up many interesting speakers for the coming months. If you would like to use our venue to market, we are looking for bar sponsors to host SME dinners. If you are interested, please feel free to reach out to me or any of the other board members for details.

As Chair of our SME Chapter, I am here to serve our members. If you have any criticisms or feedback, please do not hesitate to reach out. You can email me at jspriet@gmail.com. Thank you again for allowing me to serve in this role. Enjoy the fall weather, and I hope to see you at our October meeting!

Jessica Spriet

October Colorado SME Chapter Meeting

Colorado Section SME meeting will be held at the Wynkoop Brewing Company 1634 18th St, Denver on October 19th beginning at 11:30am with lunch at noon. Lawrence Clark will be speaking from 12:30pm to 1:00pm on "Building the Business: From Concept to Commercialization". Today's mining industry needs technology to stay competitive. But to be successful these technologies must deliver value over a sustained period which requires a successful company behind the technology. This talk will cover some important aspects of building the business that, while not technically complex, escape some entrepreneurs.

Mr. Clark is a mining engineer with nearly four decades of practical experience, starting as a underground miner at the Henderson Mine in 1978. Mr. Clark worked for Newmont Mining for 17 years running the Mining Technology group and his career has spanned mine operations, construction, consulting, technical sales, and private equity. Mr. Clark now owns Clark Mining Technologies, LLC and devotes his time investing in mining technology companies through Jolimont Global Mining Systems.

THANK YOU TO OUR GOLF TOURNAMENT SPONSORS



Schneebeck Hyams Investment Group



2017 SME Scholarship Recipients



William Behre

Bill is a senior in mining engineering at Colorado School of Mines. He is originally from Mount Olive, New Jersey where he played baseball and participated in FIRST robotics throughout high school. He took his computer science background and geology interests to CSM where he was introduced to the world of mining engineering and knew he was in the right place. Since then, he has worked in coal and aggregates, and hopes to use his degree and industry experience to help develop innovative and safe mining techniques and technology while giving back to the community and the environment. He enjoys rockhounding, hiking, traveling and spending time with family and friends when not focusing on school.

Marie Heatherington

My name is Marie Hetherington and I'm currently a junior in Mining Engineering at Colorado School of Mines. I am the lead technician for the CSM Student Mine Rescue team, and the historian for the CSM Student SME Chapter. I am originally from Williamston, Michigan and I love living in Colorado. I enjoy hiking, skiing, taking care of my animals, and swimming around in Clear Creek. I have a pet gecko named Tiny, and a pet pig named Jasper. I am extremely grateful for the scholarship, and the opportunities I have received through the Colorado Section of SME.



Halley Keevil

Halley is originally from Vancouver, British Columbia, and is currently a Ph.D candidate at the Colorado School of Mines. She completed her undergraduate degree at the University of British Columbia in 2011. Her undergraduate honours thesis involved studying carbonate-hosted nonsulfide Zn-Pb mineralization in British Columbia. She then pursued a master's in Earth Sciences at the University of Cambridge in England, where she studied microtextures and magmatic processes in layered mafic intrusions. During her studies, she has had summer jobs with both major and junior exploration companies, conducting regional mapping and exploration work in remote parts of Canada. Halley's Ph.D research topic is the genesis of the White Mountain gold deposit in northeastern China, and she has spent two field seasons at the White Mountain gold mine. She

2017 SME Scholarship Recipients

Brad Meyer

Brad is pursuing his Master's degree in Underground Construction and Tunneling at the CSM, with a research focus on the use of acoustic emission to detect damage thresholds in rock. He has a Bachelor's in Civil Engineering from Bucknell University, and became interested in mining after spending a semester at the University of Queensland in Brisbane, Australia, where he took two advanced level mining courses. He is the current president of the UCA of SME Student Chapter at Mines, and previously served as the Treasurer. He also represents his degree program on the Graduate Student Government at Mines.



Dani Rocha

Danielle Rocha is a Mining Engineer who graduated from Universidade Federal de Ouro Preto in Brazil. She has a Master's degree from the Mining Department at Colorado School of Mines, and 3 years of experience in the Minerals Processing industry. She is currently a Ph.D. candidate at Colorado School of Mines, where her research focus is fine grinding processes.

Benjamin Teschner

Benjamin is a PhD Student at Colorado School of Mines where he is researching social risk management and how our industry can better incorporate these risks into the valuation and design of mines and projects. Benjamin holds a Bachelors in Geological Engineering (2008) and a Masters of International Political Economy of Resources (2011), also from Mines. Prior to his return to Mines, Benjamin worked for Gold Fields Exploration and was an independent consultant to companies and governments addressing mining's social risk management challenges.



COLORADO SECTION NEWS – OCTOBER 2017

SME Colorado Section Membership Renewal Reminder

If you have not done so already, please take this opportunity to sign-up for or renew your SME Colorado Section membership for the 2017-2018 year.

How to join or renew:

Online: Credit card payments can be made online by visiting our website and selecting the 2017-2018 SME Colorado Section Dues link under the Our Events heading.

<http://community.smenet.org/colorado/events/>

Mail: Check payments of \$25 payable to *SME Colorado Section* mailed to Tem Tumurbat – SME Colorado Section Treasurer, 1400 16th St Suite 200, Denver, CO 80202-1471.

Why you should renew:

The section dues that we collect are vital to our ability to continue our programs. Our Section's focus is on advocating for our profession and industry here in our region. Some of the things that your Colorado Section dues help us to provide are scholarships for college students, majoring in mining disciplines; support for the Colorado State Science & Engineering Fair; provide teaching materials and perform outreach to Colorado science teachers through their State association, sponsorship for K-12 teachers participating in the *All About Mining – A Total Concept of the Mining Industry* course, and help support the Colorado Mining Museum and the National Mining Hall of Fame. So, by supporting the SME Colorado Section, you are directly supporting and advocating for your profession.

Upcoming Meetings

Section meetings are typically planned for the third Thursday of the month. Tentative dates and locations for 2016-2017 meetings are:

October 19, 2017 – Lunch Wynkoop
Downtown, Denver

November 16, 2017 – Dinner Table
Mountain Inn, Golden

January 18, 2018 – Happy Hour in DTC

February 15, 2018 – Lunch at Rock
Bottom Brewery, Denver

March 15, 2018 – Lunch at Landry's in
DTC

April 19, 2018 – TBD Dinner in Golden

May 17, 2018 – TBD Dinner in Denver

Monthly Meeting RSVP

Lunch Cost: \$35 per person. Students welcome at \$15 per person with reservation.

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

RSVP and online payments can be made through the Colorado Section SME Community Events page:

<http://community.smenet.org/colorado/events/>

Select the event you would like to attend from the Colorado Section Events page and then select "Register Now". You will be asked to log in if you have not already done so, using your SME national login credentials. There is also an option to register for a new account if you are a non-member of SME.

Credit card payments can be made online for an additional processing fee. If you plan to pay by check or cash, select the option to generate an invoice. This invoice will serve as your RSVP, with check or cash payment due at the meeting.

Please contact Laura Fletcher, lfletcher@dowl.com or Richard Schwering, rschwering@hardrock-consulting.com, with any questions regarding the meetings

SOCIETY FOR MINING, METALLURGY, AND EXPLORATION

COLORADO SECTION NEWS – OCTOBER 2017

Minerals Education Coalition Hosts Booth at Denver Gem & Mineral Show

Members of the Colorado Section/SME Minerals Education Coalition (MEC)--Karen Jass and Dick Beach--plus SME/CSM Student Chapter members Christine Peterson and Carson Eltz, MEC Co-chairs, and Billy Behre, Marie Hetherington, Tyler Rockley, Keira Trujillo, and Logan Watters staffed a booth at the 50th Anniversary Denver Gem & Mineral Show, Sept. 15-17. The booth featured displays and materials showing the vital role that mineral resources and mining play in our lives. On Friday, we hosted school children from the metro area and passed out several hundred samples of rocks and minerals we use in our everyday lives. During the weekend, many rockhounds and others stopped by to learn about mining and mineral resources.

MEC thanks these Colorado Section and CSM Student Chapter volunteers, as well as the Colorado Mining Association and national MEC staff who provided support, display, and handout materials.



2017 Colorado School of Mines Summit

“A Framework to Manage the Environmental Reality of Orphaned and Abandoned Mine Lands”

The Colorado School of Mines will host its 2nd Summit “A Framework to Manage the Environmental Reality of Orphaned and Abandoned Mine Lands” on November 14, 2017. The 1st Summit on “Reasonable Expectations for Mine Closure” held in 2016 highlighted the need to continue the conversation and develop collaborative strategies that lead to action. This 2nd high-level Summit will address best practices to navigate the complex environmental, political, and social aspects of managing orphaned and abandoned mine lands. Three areas of discussion will structure the Summit: Technical, Partnership and Policy, and Administrative.

If you are interested in attending, please register through the link below.

<https://www.eventbrite.com/e/orphaned-and-abandoned-mine-lands-tickets-36462931610>

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Visit the SME Colorado Section web site: <http://community.smenet.org/colorado/home>

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You may also update your information with SME at: <http://www.smenet.org>