



Health and Safety Minute

According to MSHA about one-fourth of the lost-time injuries in the mining industry are due to back injuries. Many of these injuries could be prevented with a few basic and simple rules.

- Try to avoid the need to manually move materials.
- Proper job planning and use of mechanical lifting can eliminate lifting.
- If you must lift:
 - Examine the load for grease, oil, or sharp edges
 - Check the load and get help if the weight is more than you can comfortably handle
 - Plan a path that it is free of obstructions and consider how to put down the load
 - Stand close to the load, squat down and grasp the load firmly, then stand using your legs not your back.
 - Turn your feet and do not twist and carry the load close to your body until you reach the destination

Section Chair Report

I would like to thank everyone who participated or contributed to our annual golf tournament. We had a wonderful turnout! All of our golf tournament sponsors' logos are provided later in the newsletter. These contributions have helped to secure scholarship funds for seven students focused on Mining Engineering, Metallurgy, and Mining Geology. I would also like to thank our Director at Large, Laura Fletcher, for her hard work on the tournament. Without her attentiveness and persistence, the tournament would not have been the great success it was. I would also like to thank the board for the assistance they provided to the overall success of the tournament. We have also provided photos and bios of the students we have chosen to award our golf funds to later in the newsletter. (REMOVE IF WE DON'T HAVE THE INFORMATION FROM HEATHER) If you have not participated in this event in the past, I highly suggest you consider it next year. The golf tournament 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 kick it off with our great friends, Mining for Beer, on October 18th! 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 rschwering@hardrock-consulting.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!

Richard A. Schwering

October Colorado SME Chapter Meeting

Colorado Section SME is hosting a Happy Hour Thursday, October 18, 2018 at the
Crazy Mountain Brewery
471 Kalamath Street
Denver, CO 80204

\$15 registration includes unlimited beer from 5:30pm to 7pm, but you must register in advance via this Eventbrite page. You can also bring other people (coworkers, friends, spouses, etc) by registering them through the Eventbrite page.

<https://www.eventbrite.com/e/sme-colorado-section-mining-4-beer-happy-hour-tickets-49501883466>

There is plenty of parking on 5th St, Kalamath St, and behind the brewery, but we encourage you to take an Uber/Lyft with your friends and coworkers.

We have the beer garden and a portion of the indoor brewery reserved for our group. Dress for the weather.

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 2018-2019 year.

How to join or renew:

Online: Credit card payments can be made online by visiting our website and selecting the 2018-2018 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 2016-2018 meetings are:

October 18, 2018 – Happy Hour at Crazy Mountain Brewery Taproom and Beer Garden

November 15, 2018 – Dinner at CSM Berthoud Hall Room 243

January 17, 2018 – Lunch in DTC

February 21, 2018 – Dinner TBD Downtown Denver

March 21, 2018 – Dinner TBD Golden

April 18, 2018 – Lunch or Happy Hour in Lakewood

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 Colorado SME Eventbrite page. Links to the Eventbrite page can be found on the section page:

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

Credit card payments can be made online using the Eventbrite page. If you plan to pay by check or cash, email Sarah Doyle to RSVP. Check or cash payment due at the meeting.

Contact Sarah Doyle at sdoyle@mymail.mines.edu, with any questions regarding the meetings

Minerals Education Coalition Hosts Booth at Denver Gem & Mineral Show

Members of the Colorado Section/SME Minerals Education Coalition (MEC)--Cathy Begej, Karen Jass, Alan Cram, and Dick Beach--plus SME/CSM Student Chapter members Marie Hetherington and Dakota Locklear staffed a booth at the Denver Gem & Mineral Show, Sept. 14-16. 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 ask and 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.

“Beyond Closure – Repurposing Mines”

Presented by the Colorado School of Mines at the Fossil Trace Golf Club in Golden, CO
Wednesday, November 7th, 2018

Maximizing sustainable mine closure outcomes requires a business-connected approach that takes full advantage of ongoing human and economic occupation of former mine sites. This has occurred in many successful mine closures around the world, particularly in well-populated regions. However, current mine closure regulation, planning and implementation frequently focuses on the minutiae of environmental remediation.

These two perspectives present inherent tensions and contradictions that, left unresolved, will lead to suboptimal mine closure plans that will be difficult to reset when new ideas and economic options emerge. Companies, communities and regulators faced with mine closure scenarios can choose to explicitly place future economic and sustainable occupation of mine sites at the forefront of mine closure visioning. This approach can leave open future options for creative human enterprise.

Mine site repurposing may actually reduce or eliminate liability concerns. If planned and brokered into second and third derivative businesses, economic options emerge. However, it is often the case that the mining companies and government regulators are not able to identify any of these options, because such ideas and experiments are simply beyond their competency and conservative mindsets.

Please email Priscilla Nelson pnelson@mines.edu if you are interested in receiving additional information!



We want to hear from the Colorado SME Members!

The Colorado SME chapter wants to connect with our members. Find us on LinkedIn!

<https://www.linkedin.com/company/colorado-sme>

SOCIETY FOR MINING, METALLURGY, AND EXPLORATION

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SME COLORADO SECTION

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

This Newsletter is emailed to current and active members of the SME Colorado Section. To view or modify your subscriptions, go to: <http://community.smenet.org/colorado/sectiondirectory/profile/mysubscriptionsprofile>. You will be prompted to log in if you have not already done so, using your SME national login credentials.

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