

## Monthly Meeting

October 18, 2012

Dinner at the Golden Hotel  
Cocktails at 5:30, dinner at 6:00  
800 11th Street, Golden, CO 80401

Speaker, Weston Norris, will talk about the operations at West Elk and their commitment to mine in a safe and environmentally sound manner. He will also go into the challenges the mine faces operating under forest service and designated roadless surface.

Weston is the Engineering Manager at Arch Coal's West Elk mine located in Gunnison County. He has held various engineering and management positions within Arch Coal in Utah and Colorado and has been in his current position at West Elk since January of this year. He and his family have relocated to the North Fork valley and look forward to the opportunities and challenges this position will provide. Weston is a licensed professional engineer and a graduate of the mining engineering program at the University of Utah.

Cost: \$45 per person

Students welcome at \$15 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/Events/UpcomingEvents/>

Through the event page, you may pay by credit card, or submit your RSVP using the option to 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.



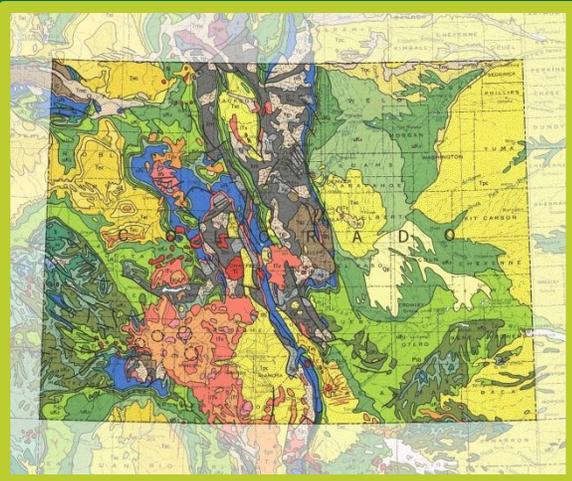
## Colorado Geological Survey

Ladies and gentleman, the Colorado Geological Survey is seeking input to see who uses the services of the CGS and for what purpose(s). As some of you know, there are plans to cut the CGS budget significantly and perhaps eliminate some programs, including resource functions of the agency, covering minerals, coal, oil and gas.

If you use these services specifically, or rely on Survey resource information, your input would be helpful. The survey, which takes about 15 to 20 minutes to complete, must be completed by October 12. Here is the link to the survey: <http://GeoSurvey.questionpro.com>

The Colorado Geological Survey is also having an inventory sale. The sale begins November 1<sup>st</sup>. [geosurveystore.state.co.us](http://geosurveystore.state.co.us)

303-866-2611  
1313 Sherman St #715  
Denver, 80203



## 44<sup>th</sup> All About Mining Class Graduates 16

After ten 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. The 16 teachers from Colorado, Florida, Michigan, and Illinois, attended the 2012 All About Mining course ([www.AllAboutMining.org](http://www.AllAboutMining.org)) held this past summer at the Colorado School of Mines.

CMAEF wishes to thank SME for again providing a \$1600 grant to assist CMAEF with program expenses during the past year. CMAEF also expresses its appreciation to the membership of the Colorado Section of SME for sponsoring three teachers with scholarships of \$500 each: Valerie Brown, Mead High School (St. Vrain Valley District), grades 9, 10, 11, and 12 (chemistry, biology, physics, and earth systems); Dan Hobbins, Glen Lake Secondary School, (Glen Lake District, Michigan), grades 7 and 8 (general science and earth science); and John Vess, Holy Family High School (Broomfield, CO), grades 10, 11, and 12 (chemistry, AP chemistry, and AP biology).

Educators are now being sought for the June 10, to July 3, 2013, class. With tight school budgets and frozen salaries for teachers in many districts, SME members are asked to help solicit teachers, school administrators, counselors, and all librarians and museum curators, for this important program that enables these educational professionals, during their careers, to present an accurate, unbiased understanding of mining to K-12 students. If you can recommend an educator for the program, please have him/her contact Dan Witkowsky, Course Coordinator, at 303-972-1814, or [DanielWitkowsky@aol.com](mailto:DanielWitkowsky@aol.com).

## Opportunity to Cultivate Future Industry Employees

The Minerals Education Coalition (formerly GEM) Subsection invites your company to participate in the Adams County Education Consortium's (ACEC) Experience 9 to 5®. This program was created in 2008 to help students "experience" what it is like to do different careers so they get a better idea of whether it is a fit for them or if they possess the proper skills to be successful.

ACEC Experience 9 to 5® facilitates experiences for high school students to explore careers, polish their professionalism and, overall, to prepare for the world of post-secondary life. Whether they enter the workforce or pursue higher education, the aim is to lessen the gap of employment opportunities against an unskilled workforce.

The program runs on Mondays in October through mid-November from either 4 p.m. – 6 p.m. or 6 p.m. – 8 p.m. It encompasses options from all sectors and runs anywhere from 2 to 12 hours depending on the employer/organization host. During the evening, we ask our hosts to provide an overview of what it is like to be in the business, how you get to be successful, and what gets in the way. We then hope the students are asked to perform a task or exercise that simulates the job so they know better what it takes to do the work.

The program is looking for host organizations to provide a professional work environment where students can experience the types of tasks that are available within your organization, perhaps a lab setting (crushing rock, float tests), use of computer software, simple field work taking soil or surveying, or creating graphical or technical manuals.

ACEC allows you to determine what size group you are willing to host. It is first-come-first-serve. We cover the insurance for the students while they are at your facility. If you prefer to have your people come out to a location in Adams County, we can find you one.

Students start to register for the program in July 2013 so you have time to plan your event. In September, ACEC holds an orientation for all registered students to help them understand the personal commitment of arriving on time and how to get the most out of the experience. From there, students get to the program(s) they registered to attend either through rides with their parents, driving themselves or carpools.

Here is a link to the landing page and a couple of videos from orientation 2011 to give you a better idea of what this is all about.

<http://www.adamscountyeducation.org/Experience-9-to-5.html>

If your company would like to participate in this educational event, towards informing and guiding students into the minerals industry, contact Emma Galvin, Program Coordinator, Adams County Education Consortium, Westminster at 303 453 8515 or [EGalvin@adamscountyed.com](mailto:EGalvin@adamscountyed.com).

Check out the website at:

[www.AdamsCountyEducation.org](http://www.AdamsCountyEducation.org).

ACEC is a proud member of the Colorado First Foundation nonprofit community.



# SME COLORADO SECTION – OCTOBER 2012 NEWS

## Dues: SME Colorado Section

Local Section Dues for 2012-2013 are \$25.

The Dues Card was sent out via email in August and can be found at:

<http://www.smenet.org/docs/public/SMECOLORADOSection2012-2013DuesInvoicecard.pdf>

If you have any questions about section dues, contact Bill Wilson, the section treasurer at [bwilson@frii.com](mailto:bwilson@frii.com)

Payments with a credit card will also be accepted online. As with the dues card, you will have the opportunity online 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.

## 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 the Program Chair, Richard Diaz, at 303-601-7546 or [Richard.M.Diaz@gmail.com](mailto:Richard.M.Diaz@gmail.com).



## Filtered, Paste and Thickened Tailings Course

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, 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 brochure may be accessed at: <http://www.patersoncooke.com/services/courses/FPT2013-Brochure.pdf>

## Colorado Mining Exhibit

Power: Making Our Modern Society Possible a new exhibit at the Western Museum of Mining and Industry in Colorado Springs

The Colorado Mining Exhibit Foundation has helped put together an interactive exhibit at the Western Museum of Mining and Industry in Colorado Springs on the theme: "Power". Operating hardware, DVDs, graphics and other educational materials will show the history of power from steam to renewables. A highlight of the new display will be a personal presentation by William Rosen, the author of "The Most Powerful Idea in the World". The talk will take place on September 13. The "Power" exhibit will be at the museum until 2013. To get the hours of operation of WMMI, call 719-488-0880. For more information, contact Guy Johnson, Exhibit Coordinator for the Foundation at 303-969-0365, or [GPJ222@aol.com](mailto:GPJ222@aol.com)

# SME COLORADO SECTION – SUMMER 2012 NEWS

## SME COLORADO SECTION

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You may also update your information with SME at [www.smenet.org](http://www.smenet.org).