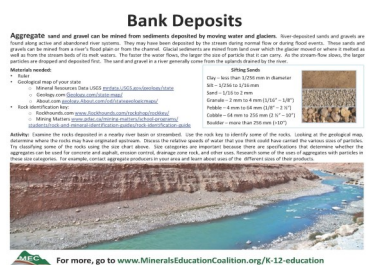
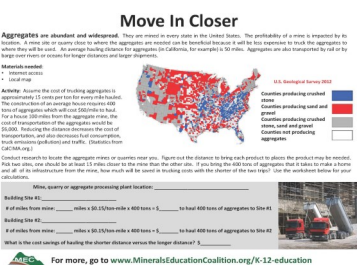
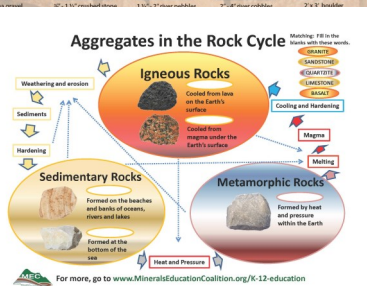




GO BACK TO SCHOOL WITH THE MEC!

The MEC is looking forward to offering some great educational materials for teachers and students heading back to school, as well as anyone interested in the important contributions that minerals and mining make to all of our lives. MEC has produced an aggregates-themed poster and calendar page for the American Geoscience Institute's (AGI) Earth Science Week packet. 16,000 copies of the packet will be available for teachers from AGI in October (October 12-18, 2014 is Earth Science Week). The poster is also available from the MEC store at www.MineralsEducationCoalition.org/store/. The back of the poster has four aggregates-focused activity pages that teachers can use in their classrooms.



Letter from the President

This has been a landmark year for the SMEF Foundation made possible by the *Creating Global Prosperity: The Campaign for Mining* supporters, generous donations from our members, corporate partners, suppliers, manufacturers and technical sponsors and the excellent work from our astute SMEF Trustees, motivated SME staff and volunteers.



Bart Hyita, Foundation President

A true highlight of the year has been the generous \$1 million pledge received from Robert S. Shoemaker. His commitment to the Foundation's general operations and his sincere concern for the future of our university programs is inspiring. Thanks to Mr. Shoemaker, Freeport-McMoRan and Murray Energy Corporation, a new Ph.D. grant program will debut later this year.

I personally ask for your support through a gift to the SME Foundation and sincerely thank you for helping make our *Campaign for Mining* successful.

Thank you for your continued support!

Best Regards,
Bart Hyita

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SME Foundation Executive Committee

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To donate to the Foundation, please visit us online at <http://community.smenet.org/SMEFoundation/Home/>



Outreach to educators is one of the Minerals Education Coalition's prime goals. Each year, our staff, SME members and local volunteers participate in three National Science Teachers Association (NSTA) Area Conferences to interact with K-12 teachers, science coordinators, higher education science department faculty and informal science educators. Each MEC exhibit is unique to the location, but all are similar in that free kits of rock and mineral samples with explanation keys, free posters and other free instructional materials are distributed to approximately 1,500 teachers. All of the materials provide youth with credible and comprehensive materials about minerals and why mining is important to our lives and lifestyle.

Thank you to the 2014 NSTA chairs and co-chairs:

October 16-18 in Richmond, VA -Katie Kosloski, Luckstone Companies

November 6-8 in Orlando, FL -Todd Parker, ARRMAZ, SME FL Section

December 4-6 in Long Beach, CA -Chuck Drake of Gregg Drilling & Testing and Mike Garska, Simbol Materials, MECC member

If you are interested in volunteering at one of these locations, or if your company can donate rocks or minerals, contact Rachel Grimes at grimes@smenet.org or 303-948-4247.

Iron in Our Electrical World, MEC's newest video, has been viewed 748 times since its release this June. Watch it today at www.MineralsEducationCoalition.org/videos



Dale Elifrits explains the minerals mined near Louisville, KY at a recent NSTA conference.

Upcoming Events:

Critical Minerals 2014
Conference

August 3-5, 2014
Denver, CO

International Conference on
Mining, Material and Metallurgical
Engineering (MMME'14)

August 11-12, 2014
Prague, Czech Republic

Gem and Mineral Show
September 12-14, 2014
Denver, CO

SME Board of Directors & SMEF
Board of Trustees Meeting
September 19-21, 2014
Phoenix, AZ

International Mining Conference
& Expo (IMEX2014)
September 23-25, 2014
Las Vegas, NV

Professional Activities and
Knowledge Study (PAKS)
Committee Meeting
September 27, 2014
Centennial, CO



PROFESSIONAL ENGINEERING EXAM (PE)

The SME PE Committee consists of 42 members whose main task is to write, review, and utilize problems in the PE exam. To this end, the Committee sent 51 problems to the vault for the first half of 2014 for future use in examinations.

The PE Committee, in cooperation with the Education Committee, was tasked with evaluating current student and recent graduate understanding regarding professional licensure. Over the past few years, the Fundamentals of Engineering (FE) exam pass rates among mining engineering students had been in decline. A subcommittee was formed, consisting of Dr. Jamal Rostami, Heather Dougherty, Andrea Brickey and Rick Ackermann. A survey was developed and sent to all SME student members in the United States. 161 undergraduate and graduate students responded. The results show that 75 percent of the respondents planned to take, or had already taken, the FE exam. When asked if they would like to know more about professional licensure, 85 percent responded with a yes. The majority of the respondents indicated that they would be motivated to take the FE exam if there was an online review course or if they would receive reimbursement for the cost of the exam upon passing.

Heather Dougherty, SME PE committee member, attended a Washington, D.C.-based conference on engineering education with representatives from other engineering societies, industry and education, called the Grand Challenge. The conference discussed methods to improve engineering education in the United States.

The SME PE Committee is beginning a two-year effort—that occurs every seven years—to review the PE exam in its entirety and update the areas of knowledge that a Mining/Mineral Processing Professional Engineer needs to know. A group of SME PEs will meet at SME headquarters September 27, 2014 to launch this activity.

Finally, the decision has been made to computerize the PE exam and references used in taking the exam. The SME PE Committee has work underway associated with this decision. We have a goal of publishing a mining/mineral processing e-Book that will build on the excellent existing references and be of value to engineers worldwide.

MINING IN SOCIETY MERIT BADGE: NATIONAL DISSEMINATION

Since the launch of the Mining In Society merit badge (MISmb) at the SME Annual Meeting in February 2014, many members have taken action to assure the availability of qualified counselors and meaningful experiences to assist boy scouts who have expressed an interest in earning the badge. Please visit our website page dedicated to MISmb resources: www.MineralsEducationCoalition.org/MiningInSocietyMB.

Learn about the badge and SME's support:

- ◆ View the MISmb introduction video.
- ◆ Read the MISmb Requirements.
- ◆ Find answers about the MISmb in the Frequently Asked Questions document.
- ◆ View a recording of the MISmb Counselor webinar.

Link to the Boy Scouts of America website to:

- ◆ Purchase the MISmb pamphlet.
- ◆ Complete an adult application with Boy Scouts of America, sign up to be a MISmb Counselor and complete the required Youth Protection Training (Position Code 42; Scouting position description: Merit Badge Counselor).
- ◆ Help your local council order the MISmb patch (# 619674).

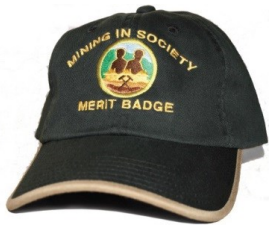
Access teaching tools for use with scouts as they are completing the requirements:

- ◆ View online virtual mine tours.
- ◆ View mining education videos.
- ◆ Download the MISmb workbook.
- ◆ Print posters to promote the MISmb.

Mining In Society Merit Badge MINER SAFETY



www.MineralsEducationCoalition.org/MiningInSocietyMB



NOW ONLY \$17! Get your limited edition Mining In Society merit badge baseball cap today! The front of the cap has the new merit badge design and the back features the SME logo. Colors are navy or khaki. One size fits all.

[Purchase in the MEC store](#)

SUMMER SALE! 15% OFF the "If it Can't be Grown, it Has to be Mined" Youth T-Shirt. **NOW \$12.75!** Supplies are limited in Youth sizes large, medium and small. Colors are white or sand.

[Purchase in the SME store](#)



Story and photo submitted by an SME member about activities on behalf of the Mining In Society merit badge:

E.V. Williams Company Website, Virginia

When Joe Colby of Troop 256 approached our company to conduct merit badge training in mining and surveying, it seemed to be a perfect opportunity to invest in area young people. Little did we know that this merit badge would attract scouts from North Carolina to Pennsylvania, as well as those from the area. On Saturday, May 2 a session took place at the Frank Williams mining facility in Chesapeake, VA where Jeff Bell and Dennis Crews worked with Joe Colby to create a merit badge course that would get the scouts interested and inform them on some of the finer points of a mining operation including: minerals, how they are used, potential hazards a miner might encounter, and the different types of mining operations, including both underground and open pit mining.





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What's new inside?

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Pg. 2	Upcoming Events
Pg. 3	Mining In Society Merit Badge Update

The SME Foundation thanks our 2014 Corporate Roundtable Partners for their encouragement, support and assistance in creating a stronger industry around the world, developing tomorrow's professionals and leaders and strengthening relationships within our communities. To find out more or to lend your support to *Creating Global Prosperity: The Campaign for Mining*, please visit the Foundation website at <http://community.smenet.org/SMEFoundation/Campaign>.



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For additional information regarding the SME Foundation, please contact:
AnnMarie Kochevar, Foundation Manager at 303-948-4239 or kochevar@smenet.org