



LETTER FROM THE PRESIDENT



Dear SME Foundation Friends,

As 2021 moves into the last quarter of the year, the SME Foundation can celebrate a number of successes, made possible by your generous contributions and support. Since its inception six years ago, the PhD Fellowship and Career Development Grant program has funded over \$6 million to prospective PhD candidates and tenure track professors. Seventeen PhD Fellowships have been awarded, and one Lou Henry Hoover WAAIME PhD Fellowship Forgivable Loan Grant was accepted. To date, four awardees have received their doctorates; three recipients anticipate receiving their PhDs this year, and one recipient has accepted a faculty position at the University of Kentucky. Twelve Freeport-McMoRan Career Development Grants have been awarded; seven awardees have successfully achieved tenure and one will apply for tenure this year. Without these critical programs, and the help of the SME Foundation, many of our remaining US mining schools would have likely collapsed, and the flow of young mining, metallurgy and exploration graduates would have been greatly reduced.

The SME Foundation could not have achieved these successes without your help and the generosity of many major mining and mine support companies who have sponsored our programs and participated in the Corporate Roundtable Partnership. **I ask all SME members** to consider giving a donation of any amount to the SME Foundation. Donating is easy and can be done very quickly at smenet.org/SMEFdonations, or simply add \$25 each year to show your support of the SME Foundation when you renew your annual SME membership. Every dollar makes a difference and there is no gift too small.

Each year, the SME Foundation works to raise about \$1.4 million to support the PhD Fellowship and Career Development Grant program, Minerals Education Coalition (MEC), ABET accreditation, the Professional Engineers Committee, Miners Give Back, the Mining in Society Merit Badge and other major scholarships for undergraduate and graduate level recipients. Thank you for helping the SME Foundation make a positive difference in our professional society and in supporting mining overall.

Thank you,

Steven C. Holmes
SME Foundation President



SME Foundation VIP Access Conference Pass

Donate \$1,000 or more to support any SME Foundation program during the 2021 calendar year to qualify for a special SMEF VIP Access Conference Pass during the MINEXCHANGE 2022 SME Annual Conference & Expo in Salt Lake City, UT, February 27-March 2. All donations must be received by December 31, 2021 to be eligible. Visit smefoundation.org/VIPAccess for more details and a list of exclusive benefits.

Were you an SMEF VIP in 2020? Watch for an email describing special benefits for those VIP members who contributed \$1,000 or more to SME Foundation programs in 2020 and 2021!

SME Foundation Executive Committee

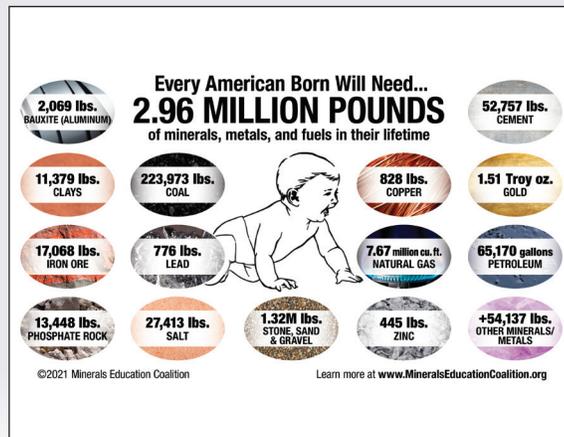
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MINING IN SOCIETY MERIT BADGE COUNSELORS NEEDED

Become a Mining in Society merit badge counselor for Scouts near you! Learn all about the merit badge and how you can support MEC's efforts to help Scouts earn the Mining in Society merit badge at [MineralsEducationCoalition.org/scouts](https://www.MineralsEducationCoalition.org/scouts).

THE 2021 MEC MINERAL BABY SHOWS THE IMPORTANCE OF MINED MINERALS

The 2021 version of the popular MEC Mineral Baby is now available. The estimated amount of minerals, metals and fuels that an American born this year will use in their lifetime is 2.96 million pounds. This is calculated with the previous year's statistics from the National Mining Association and the U.S. Geological Survey (USGS), in combination with life expectancy data from the U.S. Census Bureau and the Center for Disease Control. The companion 2021 MEC Minerals Needed Every Year graphic explains that 38,272 pounds of new minerals must be provided for every person in the United States every year to make the things we are using daily. This full-page graphic also elucidates major uses for the minerals and commodities listed. You can download both new graphics at [MineralsEducationCoalition.org/stats](https://www.MineralsEducationCoalition.org/stats), where you can also take a deeper dive behind those numbers at the provided links to the USGS Commodity Reports and the U.S. Energy Information Administration.



Create a Development Plan for a New Reservoir

Aggregates are crushed rock, sand and gravel. Aggregate mining creates freshwater supply reservoirs.

Make a site plan for water, habitat and recreation at this new reservoir.

Where would you put wildlife habitat? Hiking and biking trails? How about camping?

0.5 Mile

Find this lesson plan, and see how these materials support national and state educational standards, at the link below.

Try the Water Reservoir activity in the 2020-2021 Earth Science Week Calendar!

[MineralsEducationCoalition.org/esw](https://www.MineralsEducationCoalition.org/esw)

EARTH SCIENCE WEEK

Each year, MEC partners with the American Geosciences Institute's (AGI) Earth Science Week (ESW) to provide educational resources across the globe at [EarthSciWeek.org](https://www.EarthSciWeek.org), in the ESW Toolkit and on the MEC website. This year Earth Science Week was held October 10-16, 2021 and celebrated the theme "Water Today and for the Future." A postcard explaining new resources at [MineralsEducationCoalition.org/esw](https://www.MineralsEducationCoalition.org/esw) (image left) is included in the 9,000 Earth Science Week Toolkits sent to teachers and also available from AGI's website free for the cost of shipping and handling in the U.S. MEC has produced the "Create a Development Plan for a New Reservoir" educational unit, which includes two new MEC activities in the online lesson plan and the "Aggregate Mining Creates Freshwater Reservoirs and New Habitats!" activity in the 2021-2022 Earth Science Week Calendar. Monday, October 11, 2021 was the "Minerals Day" Focus Day during Earth Science Week, with resources available at [EarthSciWeek.org/minerals-day](https://www.EarthSciWeek.org/minerals-day), including resources from MEC.

MOVE MINING AND MOVE MINING NEXT GEN ARE OPEN FOR ENTRIES!

Move Mining entries are due November 10, 2021 at noon MDT. Please visit [MoveMining.org](https://www.MoveMining.org) to find all of the information you need to develop and submit your concept video. Enter early to ensure a complete submission. Your idea to improve the perception of mining could make your team a finalist for the live competition to win \$5,000!

Move Mining Next Gen is now accepting entries from K-12 students. Make sure that your students, children and grandchildren enter for a chance to win one of the prizes, from \$250 to \$1000! Go to [MoveMiningNextGen.org](https://www.MoveMiningNextGen.org) to learn more and find resources to help you reach out to local schools to encourage their involvement. The contest will close for entries at 12:00pm MDT, January 12, 2022.



Aloha! LET'S LUAU!

I ♥ MINING **SME FOUNDATION**

SME Foundation
Annual Gala Dinner and Silent Auction

SUNDAY, FEBRUARY 27, 2022

Salt Lake Marriott Downtown at City Creek
 6:00 pm-7:00 pm | Cocktail Reception and Silent Auction
 7:00 pm-8:30 pm | Dinner Program
 8:30 pm-11:00 pm | Entertainment and Dancing @ Tiki Bar and Lounge
Dress: Business or Hawaiian Aloha Attire

Contact the SME Foundation at smefoundation@smenet.org for additional information.
 All proceeds go to benefit the SME Foundation and the programs it serves. www.smefoundation.org

SME Silent Auction
 Supporting the SME Foundation Programs and SME Division Scholarships

DONATE TO THE AUCTION AND MAKE A DIFFERENCE

Your donated items support the live and virtual auctions of the:

- SME Foundation
- Industrial Minerals & Aggregates Division
- Mining and Exploration Division
- Mineral & Metallurgical Processing
- Environmental Division
- Coal & Energy Division

Specify which program your item should support at the time of donation.



To make a tax-deductible donation (items or cash) visit

- community.smenet.org/smefoundation/eventspage/silentauction
- contact Megan Martin at martin@smenet.org or
- mail your donation to your division liaison

Donations will be accepted until February 4, 2022.

Contact smefoundation@smenet.org to donate or learn more.

FAVORITE AUCTION ITEMS INCLUDE:

- Historical mining equipment and memorabilia
- Mineral and fossil specimens
- Jewelry and gems
- Private VIP tours of mines
- Adventure outings
- Sports tickets
- Electronics and technology items
- Professional services
- Gift baskets
- Artwork
- Monetary gifts also welcome





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Pg. 2	MEC Mineral Baby, Earth Science Week, MoveMining NextGen
Pg. 3	SME Foundation Annual Gala and Silent Auction

THANK YOU!

The SME Foundation thanks our 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, please visit the Foundation website at smefoundation.org.

