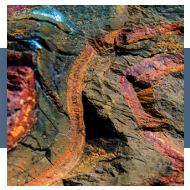
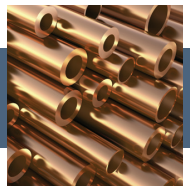
SME FOUNDATION





Volume 10, Issue 4

Newsletter

October 2022

LETTER FROM THE PRESIDENT

Dear SME Foundation Friends,

So far in 2022, the SME Foundation has successfully raised more than $1 million to support our critical educational and outreach programs. A big thank you to all of our individual and corporate donors who help make our mission to attract and leverage resources for a sustainable mining industry through education and outreach a success.

All around the world there are calls for more green energy solutions, less carbon emissions and an improvement in the social and environmental management practices. Through the SME Foundation educational outreach programs, the SMEF is helping society understand that mining, and the elements and metals generated by our business hold the key to improve the quality of life for billions of people. This includes rare earth minerals, lithium, precious metals, base metals, and coal, aggregate and underground construction needed for society to exist. We are committed to supporting and providing the education and outreach necessary to meet these challenges.

During the recent SME Midyear meeting in Reno, NV, the SMEF Board of Trustees and the SME Board of Directors voted to continue the PhD Grant program at a reduced level, funding up to three fellowships or grants per year. Since the program's inception, the SMEF has awarded 14 Freeport-McMoRan Career Development Grants from which nine have achieved tenure and five continue to progress. This program has successfully supported 21 PhD Fellowship awardees, from which six have received their doctorates with another five awardees expected to receive their PhD by the end of the year. *Thank you to the SME Board of Directors for continuing their support of this important program, not only by voting to extend it, but also by supporting it financially. SME made a $250,000 donation to support the extension of the program.*

On Friday, November 18, 2022, the SMEF will host the third Annual SMEF Golf tournament at the Gold Canyon Golf Resort in Phoenix, AZ. This event will be twice as large as previous years, encompassing two 18-hole championship courses with 224 golfers participating. The event brings the mining community together for networking, socializing, some business, and a great time. Funds raised at the benefit will be directed to SMEF's mission of supporting mining education and outreach.

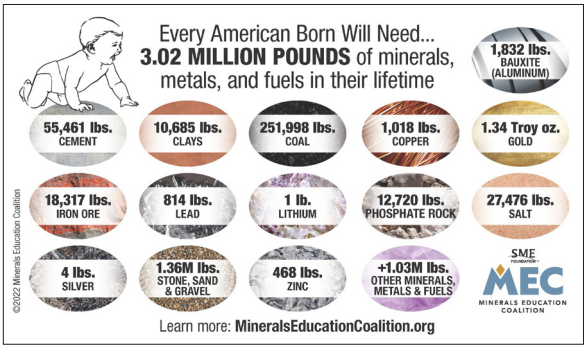
On behalf of the SME Foundation, I extend my thanks to everyone who has supported the Foundation and helped make our organization successful. As we end 2022, please consider donating to the SME Foundation to support the mining industry.

Thank you,

Steven C. Holmes
SME Foundation President

SME Foundation Leadership

Steven C. Holmes	President
Thomas C. Rauch	President-Elect
Mary B. Korpi	SMEF Past President
Andrew P. Cole	Vice President of Finance
Michael T. Myers	Individual Fundraising Officer
William W. Edgerton	SME Past President
David L. Kanagy	Secretary



2022 MEC MINERAL BABY

The MEC Mineral Baby details the estimated amount of minerals, metals and fuels that an American born this year will use in their lifetime. In 2022, this amount is 3.02 million pounds. This is calculated with 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. This year, MEC has increased its focus on minerals important to the growing emphasis on sustainable energy, calling out silver and lithium individually, and placing petroleum products in the "Other Minerals, Metals and Fuels" number. Although the amount of lithium needed per person is small, according to the USGS, global consumption of lithium grew 33% from 2020 to 2021 due to its use in batteries, especially electric car batteries.

EARTH SCIENCE WEEK

Each year, MEC collaborates with the American Geosciences Institute's (AGI) Earth Science Week (ESW) to provide educational resources across the globe at **EarthSciWeek.org**, in the ESW Toolkit and on the MEC website. The 2022 Earth Science Week, held October 9-15, celebrated the theme "Earth Science for a Sustainable World." A postcard explaining MEC's new resources is included in the 9,000 Earth Science Week Toolkits available for free from AGI's website.

Additionally, MEC has produced a "Getting the Metal Out" educational unit available on **MineralsEducationCoalition.org/esw**, which includes new MEC activities in the online lesson plan, and the "Iron Minerals on the Moon" activity in the 2022-2023 Earth Science Week Calendar. Monday, October 10, 2022 was "Minerals Day" during Earth Science Week; resources are available at **EarthSciWeek.org/minerals-day**.

SME COLORADO SECTION MEC SUBCOMMITTEE HOSTS MINERAL DISPLAY AT THE HARDROCK SUMMIT 2022/DENVER GEM & MINERALS SHOW

The SME Colorado Section MEC subcommittee participated in the HardRock Summit 2022/Denver Gem & Mineral Show on September 8-11. The booth featured displays and materials showing the vital role that mineral resources and mining play in our lives. MEC loves working with local sections doing outreach in their communities. For more information on how your section can get involved and how MEC can be a resource, contact Akudo Nwokeukwu at **nwokeukwu@smenet.org**.

2023 NATIONAL SCOUT JAMBOREE

Planning is underway for the 2023 National Scout Jamboree, to be held at the Summit Bechtel Reserve in West Virginia, July 19-28. MEC will have its booth "Modern Mining: Journey to the Middle of Your Mobile" helping Scouts make a tangible connection between mining and their daily lives. Volunteers are needed to make this a successful event. Opportunities range from the full two weeks to even just one day! For more information, please contact Akudo Nwokeukwu at **nwokeukwu@smenet.org**.

MOVE MINING NEXT GEN CONTEST IS NOW OPEN

Sponsored by Newmont, the Move Mining Next Gen is an online competition for students K-12 that explores the importance of mined minerals to our daily lives. Students from grades K-12 may create and submit 3-minute videos that illustrate how minerals and mining are important to their lives. This is a great opportunity for a class project, an after-school club activity or something fun to do at home with children or grandchildren.

This year's competition closes January 18, 2023 at noon MT. Submit early to ensure that your video and accompanying information comes through in plenty of time!

Go to **MoveMiningNextGen.org** to get started!

SME PROFESSIONAL ENGINEERS COMMITTEE

NCEES
advancing licensure for engineers and surveyors

The SME PE Committee met at the SME Annual Meeting for its regular meeting and workshop. Members began work on writing practice exam questions and organization for compiling the SME PE Study Guide Edition 9. Members received Professional Development Hours that can be used for license renewal.

During the spring and summer of 2022, a restricted entry social media platform was established and in use for the Committee to use in authoring and reviewing questions for the SME practice exam. The exam will be included in Edition 9 of the SME Professional Engineering Study Guide. Publishing the Guide is planned for 2024.

The Committee continues to promote the value of licensure by giving presentations to schools, SME Sections, and various groups of interest. The Committee reviewed updates to the *SME Mining Reference Handbook* that is used as the single reference allowed for the PE exam. Language in a model law requiring a Masters or Equivalent (MOE) degree for licensing promulgated by the American Society of Civil Engineers was removed. SME, along with most other US Engineering Societies, has opposed MOE.

CELEBRATE THE NIGHT IN

BLACK & WHITE

SME FOUNDATION ANNUAL GALA AND SILENT AUCTION

SUNDAY, FEBRUARY 26, 2023

Centennial Ballroom
Hyatt Regency Denver at Colorado Convention Center

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
Dress: Business or Black & White Cocktail 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

Items are needed for the SME/SMEF Silent Auction to be held during the MINEXCHANGE 2023 SME Annual Conference & Expo in Denver, CO.

We are in need of silent auction item donations to help this event be successful. In addition, we invite you or your organization to make a matching contribution towards the proceeds of this annual event. As an auction contributor, donors receive recognition in the April issue of the *Mining Engineering* magazine as well as on the online auction website. All donations are tax deductible.

Items that generate great interest include:

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

Your donated items support the live and virtual auctions. 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 13, 2023.

SME FOUNDATION

The Foundation of the
Society for Mining, Metallurgy & Exploration
12999 E. Adam Aircraft Circle
Englewood, CO 80112
www.smefoundation.org

what's new inside

Pg. 1	MINEXCHANGE: SME ANNUAL CONFERENCE AND EXPO President Letter
Pg. 2	MEC: Mineral Baby, Earth Science Week, National Scout Jamboree, Move Mining Next Gen Contest
Pg. 3	SMEF Professional Engineers Committee, Silent Auction, SMEF Gala

THANK YOU!

Thank you to 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 **smefoundation.org**.