

LETTER FROM THE PRESIDENT



We've had a very successful FY2024 (ending September 30) for all of our programs. Thanks for all your contributions!

While many of our programs have seen strong support, we do need to make special efforts for two programs in FY2025:

ABET: University engineering and geology programs are required to under-go an audit where ABET member societies, like SME, train and provide Program Evaluators. SME provided six Program Evaluators for Engineering programs and two for Geology programs during the 2023-2024 accreditation cycle.

PhD Fellowship and Career Development: 22 PhD Fellowships and 18 Career Development grants have been awarded, realizing nearly \$8M in funding over a decade and providing a significant impact to US higher education. In 2024, an ad-hoc committee met and worked on program updates as we continue to improve on these impressive successes.

Otherwise, on September 13, 2024, we hosted our first SMEF Golf Outing in West Virginia which was a great success. We had 112 golfers and some great sponsors join us for this inaugural event.

Upcoming events: The MEC is supporting the Conference for the Advancement of Science Teachers (CAST) in San Antonio in mid-November, where they'll be handing out mineral kits, curriculum and support materials to science teachers. Shortly after, our annual SMEF Golf Outing in Arizona will be held at Gold Canyon on Friday, November 22, 2024. The outing is almost sold out, so if you'd like to get involved please move quickly.

Thanks for all your ongoing support!

Best,

Tom Rauch
SME Foundation President

Please join the SME Foundation for its
Annual Gala Dinner and Silent Auction

*All that
Glitters
is Gold*

I 
MINING

SME
FOUNDATION

SUNDAY, FEBRUARY 23, 2025

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-10:30 pm | Entertainment and Dancing

Dress: Business or Gold Attire

Buy your tickets or tables when you register for
MINEXCHANGE at SMEAnnualConference.org.

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 Foundation Leadership

Thomas C. Rauch
Andrew P. Cole
Steven C. Holmes
Catherine A. Joyner
Michael T. Myers
Marc Le Vier
David L. Kanagy

President
President-Elect
SMEF Past President
Corporate Giving Chair
Individual Fundraising Chair
SME Past President
Secretary/Treasurer

SCHOOL COUNSELORS LEARN ABOUT CAREERS IN MINING

In July, SME/MEC attended the 2024 American School Counselor Association Conference (ASCA) in Kansas City, Missouri. Packets with SME Mining Career handouts, flyers from 13 mining schools and internship opportunities from three Corporate Roundtable Partners were distributed to more than 400 K-12 school counselors.

EARTH SCIENCE WEEK CELEBRATES "EARTH SCIENCE EVERYWHERE"

MEC partnered with the American Geosciences Institute's (AGI) Earth Science Week (ESW) October 13-19 to provide educational resources across the globe at EarthSciWeek.org, in the ESW Toolkit and at MineralsEducationCoalition.org/esw. A postcard explaining MEC's new, "It All Starts With Mining" online educational unit, is included in the 9,000 Earth Science Week Toolkits available for free from AGI's website.



MEC
MINERALS EDUCATION COALITION

It All Starts With Mining

Construction and infrastructure—roads, bridges, buildings and homes—all require mined materials. We must continue to mine and recycle large amounts of aggregates (stone, sand and gravel), as well as other minerals such as gypsum for wallboard and iron for steel, to build and maintain our society's crucial infrastructure. MEC's new activities focus on this important use of mined materials.

Teachers – Find the new activities *Aggregates in My State* and *The Life Cycle of Rebar* here:

MineralsEducationCoalition.org/esw



It All Starts With Mining And Continues with Recycling

Limestone is the principal ingredient in cement. Small amounts of silica, alumina and iron oxides are also added. **Concrete** is composed of aggregates, cement and water. **Steel** rebar strengthens concrete. To make steel, iron is first refined from mined iron ore, then mixed with recycled iron and steel, coal (as coke for carbon and heat), as well as other elements.

Cement Plant → **Pouring Concrete** → **Rebar in Concrete**

Try the MEC *Mining Makes Life Possible* activity in the 2024-2025 Earth Science Week Calendar!

MEC
MINERALS EDUCATION COALITION

MineralsEducationCoalition.org/esw

MEC UPDATES "EVERYTHING WE USE" POSTER

In the exciting update of the MEC "Everything We Use Poster," new illustrations and information in a larger 24" x 36" format demonstrate the importance of our mined resources in everything we use in our daily lives. MEC also updated the MEC "Aggregates" poster and answer keys, and accompanying information on the MEC website. Both posters are available at MineralsEducationCoalition.org/store.



MEC RELEASES 2024 "MEC MINERAL BABY" AND "MINERALS NEEDED EVERY YEAR" INFOGRAPHICS

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 2024, this amount is 3.06 million pounds. The companion graphic, "MEC Minerals Needed Every Year," explains that 39,469 pounds of new minerals must be provided for every person in the United States each year to make the things we use daily. Download these graphics at MineralsEducationCoalition.org/stats.

NATIONAL OUTREACH COLLABORATION (NOC) DISCUSSES CAREERS FOR NON-COLLEGE BOUND

On September 5, Whitney Lennon, Education Program Director at the Arizona Mining Association (AMA), gave a compelling presentation at the NOC meeting, with a focus on outreach to students not going on to universities. To view the meeting, visit the [NOC Community](https://MineralsEducationCoalition.org/noc) by first logging into your [SME Account](https://MineralsEducationCoalition.org/account) and the [SME Community](https://MineralsEducationCoalition.org/community). The next NOC meeting will be held in December. If you are interested in joining the group, please contact Chris Earnest at earnest@arizona.edu.

THE FIRST FOUNDATION EAST COAST GOLF TOURNAMENT IS A GREAT SUCCESS!

Submitted by Megan Martin

The first annual West Virginia SME Foundation Golf Tournament was held September 13, 2024, at The Greenbrier Resort in White Sulphur Springs, WV. **Thanks to the generous sponsors and numerous golf teams, the SME Foundation raised \$20,000 for the PhD Fellowship and Career Development Grant Program.** Ninety guests enjoyed an evening reception at the main hotel on Thursday night, then the following morning, 112 golfers competed on the beautiful Meadows Course. The big winners of the day were the team from GMS Mine Repair & Maintenance.

Thank you to the Golf Planning Committee members Garland Davis, Steve Gardner, Joe McQuerrey, Michael Myers, Tom Rauch and Eric Shereda. This event would not have been possible without their commitment and dedication.

We look forward to holding this event again next year!



2024 WEST VIRGINIA SMEF GOLF TOURNAMENT THANK YOU TO OUR SPONSORS:



Brooks & Nelson | DB Mining Services | Greer Industries | Kanawha Scales & Systems | Matrix Design Group
Palmer Companies Philips Global | Strata Worldwide | Victaulic

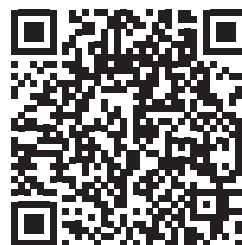


**The Foundation of the
Society for Mining, Metallurgy & Exploration**

12999 E. Adam Aircraft Circle
Englewood, CO 80112

www.smefoundation.org

To make a donation to the
SME Foundation, visit:



**what's
new
inside**

- Pg. 1** **2025 SMEF GALA**, President's Letter
- Pg. 2** MEC: American School Counselors Association,
Earth Science Everywhere, "Everything We Use" Poster,
"Mineral Baby" and "Minerals Every Year" infographics.
- Pg. 3** First Foundation East Coast Golf Tournament,
West Virginia Sponsors

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.



Rio Tinto

Newmont

FLANDERS

fm
FIRST MAJESTIC
SILVER CORP.



SOMERSET
INTERNATIONAL

CONSOL ENERGY

Fletcher
MINING EQUIPMENT

**NOT SO
FAST**
A CAMPAIGN
FOR COAL

**EQUINOX
GOLD**

KOMATSU

REDPATH

RESPEC

ERIEZ

CATERPILLAR

Cementation
WE BUILD MINES. SAFELY.

Vulcan
Materials Company

JENNMAR

The mission of the SME Foundation is to attract and leverage resources for a sustainable mining industry through education and outreach. Learn more at:

303.948.4200 or smefoundation@smenet.org