



LETTER FROM THE PRESIDENT



Dear SME Foundation Friends,

In our last newsletter I wrote that it was an exciting time to be in our industry, and that has only continued. As mergers and acquisitions grow in the market, so too will the opportunities to grow our teams and impact. Geo-political challenges continue with China's recent restriction of critical metals exports of Germanium and Gallium. It's a crucial time to be bringing our best talent and efforts to bear.

In the last couple of months, I've been able to join SME President Marc LeVier and SME Executive Director Dave Kanagy on local section and CRP visits. We started May with a visit to the New York Section for their Current Trends in Mining Finance conference where we heard from representatives from industry, finance and government. A special thanks to the New York Section who presented the Foundation with a \$75,000 contribution, our largest ever from a local section. In late May, we visited Rio Tinto and FLSmidth in Salt Lake City and to hear about how we can support them as well as present an update on the Society to the SLC local section. Another special thanks to the SLC section who also presented the Foundation with a significant contribution! Our SMEF trustees are ready and excited to come and visit your section, please let us know a good opportunity to join you.

Finally, in late June I joined the SMEF Staff in Denver to review next year's budget and work on upcoming programs. I am happy to report our Foundation is strong and looking to an even brighter future. It's been an eventful start to my presidency with the Foundation; thank you all for your support and the opportunity to serve.

Best,

Thomas C. Rauch
SME Foundation President



SME Foundation Leadership

Thomas C. Rauch	President
Andrew P. Cole	President-Elect
Steven C. Holmes	SMEF Past President
Shaun P. Graber	Corporate Giving Chair
Michael T. Myers	Individual Fundraising Chair
Ronald L. Parratt	SME Past President
David L. Kanagy	Secretary/Treasurer

MEC FOCUS: SUMMER ACTIVITIES

Summer is a great time for minerals-related activities like visiting a geological or mine site open to the public or checking out different types of rocks and rock formations. For some crafts and activities to try with your children and/or grandchildren, go to MineralsEducationCoalition.org/summerfun, or look for even more ideas on our website.



THE SME ACADEMIC GRANT SUCCESS CONTINUES!

SME and the SME Foundation congratulate the following PhD Fellowship and Career Development Grant Recipients for their successes.

Dr. QingQing Huang was recently awarded tenure and promoted to Associate Professor at West Virginia University.

Dr. Behzad Vaziri Hassas recently received his PhD from Penn State and is currently a postdoctoral research scientist at Columbia University, Earth and Environmental Engineering Department.

Dr. Amy McBrayer received her PhD from South Dakota School of Mines and Technology and has accepted a position at West Virginia University beginning in August 2023.

These successful outcomes are a result of the SME PhD Fellowship and Career Development Grant Program designed to provide support to fund PhD students planning academic careers and university professors working toward attaining tenure. Since 2015, eight PhD Fellowship Awardees have received their doctorates and 11 Career Development Grant recipients have achieved tenure.



Denver South High School students touring Colorado School of Mines geology walk

MEC K-12 OUTREACH PILOT PROGRAM—OVERVIEW OF PILOT YEAR 1

The MEC K-12 Outreach Pilot Program that was launched in Colorado in August 2022 at two Denver Public Schools has successfully ended its pilot year one.

The pilot program was created to build a stronger presence in classrooms. Chaired by Wendi Cooksey, the pilot program brings mining and minerals education and awareness, including mineral lessons, hands-on activities, field trips and tours to local mines and mining schools, to K-12 classrooms.

Since its inception, the program completed 12 mining-related lesson presentations, a field trip to the Colorado School of Mines and has offered educational resources to K-12 teachers to help them teach how minerals are mined, processed and used in daily life.

The pilot program will continue in the same Denver Public schools next school year and will be replicated in two Utah K-12 schools for the 2024/2025 school year. If successful, an outreach toolkit will be developed and disseminated to SME Sections that want to implement the program in their communities.

While we continue to work on improving the program, we believe that the program will have a great impact in creating a deeper understanding of the importance of mining and minerals, and will also encourage students to consider a career in the mining industry. Our SME community has vast knowledge and experience to share with students. Let's get involved and into classrooms to share our stories and experiences of the mining industry with the students!

To learn more about the MEC K-12 Outreach Pilot Program, to volunteer, or to donate rock and mineral samples, please visit MineralsEducationCoalition.org/mec-outreach-program.

SME REQUESTS PROFESSIONAL ENGINEERS MEMBERS COMPLETE THE PAKS SURVEY

Submitted by Dr. Andrew P. Schissler, PE



Every seven years, the subject matter of the Professional Engineers examination for Mining and Mineral Processing (MMP) exam is updated in a process called the Professional Activities and Knowledge Study (PAKS). A critical step in the PAKS process is asking engineers to complete a survey to determine if the topical outline of the subject matter is current and reflects what PE's do on the job. Your responses can also help greatly by advancing our professions and assisting in keeping the PAKS current and relevant. Thank you.

Please access the PAKS Survey at the link below:

<https://ncees.org/ncees-seeks-licensed-mining-mineral-engineers-professional-expertise-and-advice/>

ABET ACTIVITY UPDATE

Submitted by C. Dale Elifrits



This is Program Evaluator "assignment season." The Visitor Selection Committee of SME met recently online and nominated SME Program Evaluators for six General Reviews, i.e., the normal six-year campus program visit for program evaluation vs. ABET General Criteria and SME-maintained program specific criteria. Additionally, as required by ABET, this

committee nominated two Program Evaluators for the first visit to a geology degree program that seeks accreditation by the Applied and Natural Science Commission of ABET. SME is the Lead Professional Society for ABET accreditation of geology degree programs.

Five other degree programs for which SME has program evaluation responsibilities will be considered for extension of their accreditation because of shortcomings identified at their last visits. These shortcomings were largely institutional matters; hence, provision of an SME Program Evaluator is not necessary. However, we stand by to assist the previous Team Chair in evaluation of these programs' reports, as needed. As of this writing, half of our nominees had been accepted by both the program/institution to which they will visit, and by the ABET campus visit Team Chair.

Thanks to all who volunteer for this critical work. Absent ABET accredited degree programs and the work of our SME Program Evaluators (graduates of our degree programs) could not sit for the Fundamentals of Engineering Examination as they seek Professional Engineer (PE) licensure.



JOHN MURPHY

The SME Foundation is sad to announce the passing of a dear friend, Trustee and past President of the Foundation, John Murphy. John gave generously to the Foundation for many years, financially, with his time and with his leadership. We will miss him greatly and will continue the mission of the Foundation that he has done so much to help build.



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

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www.smefoundation.org

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K-12 Outreach Pilot Program

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