



MINING AND MINERALS EDUCATION FOUNDATION

Thomas L. Aldrich, Executive Director

PO Box 42317 , Tucson, AZ 85733

520-577-7519 (office),

January 2024

Home (miningeducationfoundation.org)
admin@miningfoundationsw.org

CONCENTRATES

Members of the 2023 Hall of Fame Committee wish to express their gratitude to all the sponsors and guests for making the 41st Annual American Mining Hall of Fame Banquet & Fundraiser a resounding success.. A lively crowd of almost 600 gathered to celebrate Xavier Garcia de Quevedo's induction into the American Mining Hall of Fame. [2023 Inductee \(miningeducationfoundation.org\)](http://miningeducationfoundation.org) Garcia passed away suddenly last October.

Four Mining's Past stalwarts, Joseph R. De Lamar, Felix P. McDonald, Stuart A. Bengson and Dr. Stanley M. Howard were inducted . [2023 Inductees from Mining's Past \(miningeducationfoundation.org\)](http://miningeducationfoundation.org)

Medal of Merit award s [2023 Medal of Merit Recipient \(miningeducationfoundation.org\)](http://miningeducationfoundation.org) were presented to Gene Dewey former President & CEO of Molycorp who passed away in September, and Edson McCord, retired electric truck expert who worked at both Caterpillar and Komatsu, for their contributions to the mining industry. A Medal of Merit Award under 40 was presented to Benny Corbell , Mine Manager at Bagdad for his leadership, clear vision and devotion tp safety.

The Industry Partnership Award [2023 Industry Partnership \(miningeducationfoundation.org\)](http://miningeducationfoundation.org) was presented to Ames Construction and its international reputation as one of the very best in its business while serving the mining industry.

A Special Citation [2023 Special Citation \(miningeducationfoundation.org\)](http://miningeducationfoundation.org) was given to the Arizona Copper Art Museum for its magnificent collection of copper art and artifacts.

THANK YOU 2023 SPONSORS

*A BIG Thanks
to our Sponsors!*

DIAMOND: Grupo Mexico Mining / ASARCO and Komatsu

PLATINUM: Ames Construction, Epiroc, Hexagon and M3 Engineering

GOLD : Eclipse Mining Technologies, Empire Southwest, Freeport-McMoRan, Ruen Drilling, Rummel Construction and Westland Resources;

Copper: Capstone Copper, Caterpillar, Cementation, Doosan Bobcat, Independent Mining Consultants, Major, Drilling, Origin Mining, Resolution Copper, Recon Engineering & Construction, Southwest Energy, SRK Consulting; and Turner Laboratories

SILVER : Apache Nitrogen, Ausenco, BGC Engineering, CalPortland, Cascade Drilling, CEC, DeConcini McDonald Yetwin & Lacy, P.C.; Dempsey Family Fund, E3 Strategies, Fennemore, First Majestic Silver, Florence Copper, Hudbay (Copper World), Ivanhoe Electric, John Fenn, KGHM Carlota Mine, Liebherr, McGuire Woods, Meridian Construction, Modular, Montgomery and Associates, MMSA; Next Plan LLC, Pam & Will Wilkinson, Pioneer Equipment, Professional Minerals Development, Ryerson, Skyline Assayers, Sundt,, Tetra Tech, George Tsiolis Law, Thyssen Mining, TP McNulty & Associates, Valley Forge and Bolt Company, WSP and Yellow Jacket Drilling;

OTHERS: AMIGOS,,NMHOF & Museum , Schlam and SABC

MESSAGE FROM OUTGOING PRESIDENT, ROBERT TRACY

On behalf of the Mining and Minerals Education Foundation and myself, I want to wish you a Happy New Year. I hope everyone had a great holiday season.

I know it started off great with the success of the American Mining Hall of Fame Banquet. It was a great turnout as one of the best attended banquets and it had the highest number of sponsorships.

Thank you to all our sponsors for your support for the MMEF and our mission. I also would like to thank our members who serve on the Hall of Fame Committee, Shawn Hamilton, and Tom Aldrich for their efforts in putting together such a great event. It is with everyone's hard work that the Foundation continues its mission.

I am honored to have served as the President for the MMEF for 2023 and eagerly wait to see the great things in store for 2024 under Shawn Hamilton's leadership as he steps into the role. It has been a privilege to serve on the Executive Committee along with some outstanding individuals. The support and mentorship from our Executive Director and members of our Board of Governors has been monumental and I look forward to staying involved with this great organization.

It has been a great year for the Foundation and our industry, and I am excited for what this new year will bring. I hope to see you at the Annual Meeting on February 13, which will be conducted by ZOOM as well as in person at Hexagon's office in Downtown Tucson at 3:00 PM. Have a great year and I look forward to seeing you at the 42nd Annual American Mining Hall of Fame Banquet as well, but not from on top of the stage.



**WE NEED
YOU!**



Date: Tuesday, February 13, 2024

Time: 3:00 p.m. — 5:30 p.m.

HEXAGON

RSVP

admin@miningfoundationsw.org

520-577-7519

If you are not able to attend in person, you will be able to participate virtually. A link will be sent to everyone who RSVP's on or before Monday, Feb 12

MESSAGE FROM OUTGOING HOF CHAIR SHAWN HAMILTON



The 41st Annual Mining Hall of Fame event was our best ever. Our 65 sponsors and \$144,550 in sponsorships was the most ever. Nearly 600 people attended. With that I can't say enough about our sponsors, they really pulled through in supporting our organization. These funds will be used to continue our outreach program in 2024 where Chris Earnest is doing an outstanding job as the Outreach Coordinator. I look forward to building on last year's successes and am excited for what 2024 has to offer for MMEF. A big thanks to the Hall of Fame Committee and Tom Aldrich for their hard work in putting together this event. Their commitment to the Foundation and our mission is what makes this organization successful. I am honored to have been the Hall of Fame Committee Chair and Vice President for this event and look forward to my time next year as President. It is both an exciting and fulfilling time



to be a part of an organization that is in the trenches, educating our younger citizens about the critical importance of mining and minerals for a better, cleaner and more technologically driven world. Please join us at Hexagon for the Annual Meeting starting at 3 PM on February 13. Remember to return your ballot for this year's slate of offices and governors. Don't forget to bring in a new member. Thank you all very much for coming alongside us in our efforts and supporting MMEF.

NEXT HALL OF FAME COMMITTEE MEETING

Date: Wednesday, March 13, 2024

Time: 3:30 p.m. — 4:30 p.m.

Place: ZOOM & M3 Engineering, 2051 W. Sunset Rd., Tucson, AZ 85704-1722

Please sign in at the front desk upon arrival

RSVP: admin@miningfoundationsw.org or 520-577-7519

***If you are interested in serving on the Hall of Fame Committee
for 2024, call Tom Aldrich***

SEEN AND HEARD AT THE 41ST AMERICAN MINING HALL OF FAME AWARDS BANQUET



MMEF President Robert Tracy (L) presents the Hall of Fame Plaque to Javier Garcia de Quevedo , son of 2023 Inductee Xavier Garcia de Quevedo



Javier Garcia de Quevedo and Gualu Garcia, wife 2023 Inductee Xavier Garcia de Quevedo , with the Prazen "Success" Sculpture .



MMEF Hall of Fame Chair Shawn Hamilton (L) presents the Medal of Merit to Gene Dewey's son , Mark.



MMEF Hall of Fame Chair Shawn Hamilton (L) presents the Medal of Merit to Ed McCord.



MMEF Hall of Fame Chair Shawn Hamilton presents the Medal of Merit under 40 to 2023 Honoree Benny Corbell.



MMEF Hall of Fame Chair Shawn Hamilton presents the Industry Partnership Award to Ryan Post of Ames Construction.

More Photos at [2023 Photo Gallery \(miningeducationfoundation.org\)](https://miningeducationfoundation.org)



MMEF HOF Chair Shawn Hamilton presents a Special Citation Award to Drake Meinke, museum owner.



MMEF Hall of Fame Chair Shawn Hamilton presents the Mining Past Plaque to Carolyn Loder representing Joseph R. De Lamar



MMEF Hall of Fame Chair Shawn Hamilton presents the Mining Past Plaque to Margie Hanson representing Buck O'Donnell.



MMEF Hall of Fame Chair Shawn Hamilton presents the Mining Past Plaque to Wendie Bengson representing her husband Stu Benson.



Members of the MMEF BOG and HOF Committee gather together after the banquet. Left to right: Chris Wilson, Avi Buckles, Will Wilkinson, David Travis, Julia Potter, Jean Austin, Robert Tracy, Rebecca Martinez, Robin Barnes, Shawn Hamilton, Deb St. Aubin, Don Earnest, Rod Woodcock, Mark Baker, Brad Ross, Caelen Burand and Jodi Banta.

More Photos at [2023 Photo Gallery \(miningeducationfoundation.org\)](http://miningeducationfoundation.org)



Grupo Mexico and Asarco was well represented and there in force to support Xavier Garcia de Quevedo's Induction into the American Mining Hall of Fame.



Another table of the Grupo Mexico attendees.



The motto of the MMEF hanging front and center for all to see.



BOG members Chris Wilson, Cori Hoag and Will Wilkinson pause for their photo opportunity.



2014 Medal of Merit under 40 Recipient Scott Shields (center), appears to be having a great time.

More Photos at [2023 Photo Gallery \(miningeducationfoundation.org\)](https://miningeducationfoundation.org)



BOG member Robin Barnes and John Lacy, 2017 Medal of Merit Honoree, take time to talk about the good times with John's wife, Terry.



University of Arizona students were well represented.



BOG member Jean Austin and HOF Committee member Larry Dykers. chat with Tom and Karli Foster before the banquet.



It was a good time for friends to get caught up.



New Honorary member and former BOG member, Martin Kuhn and his wife Prill, enjoyed the evening as Martin was made an Honorary Member of MMEF



Ryan Post, VP Mining for Ames, celebrates the Industry Partnership Award with friends and associates.

More Photos at [2023 Photo Gallery \(miningeducationfoundation.org\)](https://miningeducationfoundation.org)



Diamond Sponsor Komatsu hosted two tables and were thoroughly enjoying the evening.



The evening and celebration of mining's finest was definitely a hit with Sydney Hay, 2021 Medal of Merit Honoree and BOG member Kathy Arnold.



The folks from Rummel Construction eagerly wait for the program to begin.



Steve Glass, George Tsiolis, and Bill and Kathy Wahl celebrate the evening's festivities.



The line-up at the bar was a perfect place to talk with friends and meet new people.



It was a fun evening for Drake Meinke, owner of the Arizona Copper Art Museum, and Laurie Chittick as they celebrate receiving the Social Citation Award.



Outreach Corner by Chris Earnest

Funded by the Mining and Minerals Education Foundation through the School of Mining and Mineral Resources at the University of Arizona



A busy year for the outreach program with more to come in the spring.

2023 saw the outreach program reach 6401 students during 161 presentations, tours, and events. We met with 286 teachers at 5 different educator events and we made it to 59 different locations throughout the state.

Our virtual materials kept making waves as well. The “Minerals Make It” and “Mining is Us” videos continued to be popular with younger students as they were viewed 6725 times in 2023 and the “Mined in Arizona” webpage was viewed 2,467 times by people searching for information about mining in Arizona. That all adds up to over 15,000 people learning about the importance of mining and mineral resources All of it is thanks to the generous support from the Mining and Minerals Education Foundation.

The outreach team was able to travel to over 59 different locations across Arizona in 2023 thanks to the support from the Mining and Minerals Education Foundation.



Outreach interns Sofia and John help Middle school students discover how we refine copper with electrowinning during AZ STEM Adventure at Pima Community College.





Outreach Corner by Chris Earnest (Cont.)



Carter Brown introduces a young learner to copper ore during Sabino High School Science Night.

In the coming spring Chris and the three student workers, Sofia Rodriguez, Carter Brown, and John Gengler are looking forward to a busy science fair season at elementary and middle schools throughout the state. The team is already double booked on several dates in February, so we are thankful for the extra student worker funding the MMEF provided last June. With that funding, we are able to cover more ground with two teams of two .

This year the outreach program will be participating in the SME MineXchange

conference in Phoenix, Arizona. On Tuesday, February 27th the team will join forces with the Minerals Education Coalition and the Arizona Science Center to host a professional development workshop for 30 science teachers from rural Arizona. The session will begin with a workshop where teachers will discover standards-based mining and minerals activities for their classrooms. Lunch will be accompanied by a career panel so that teachers can learn about the great opportunities available for their students. The day will finish with a student/young-professional guided tour of the show floor to introduce the teachers to various companies in the industry. It is our hope that this workshop will serve as a model for future teacher events in collaboration with the MineXchange conference



The outreach team was able to travel to over 30 different locations across Arizona (and one online presentation in Guatemala!) in 2022 thanks to the support from the Mining and Minerals Education Foundation.



Outreach Corner by Chris Earnest (Cont.)



John Gengler and Sofia Rodriguez introduce young people to the minerals in everyday objects at the Tucson Children's Museum

Also at the MineXchange conference, Chris will be chairing the National Outreach Collaboration meeting on Monday February 26th, from 1:00pm to 3:00pm. The goal of the collaboration is to build a nation-wide mining outreach community that can help its members build supportive relationships while sharing ideas and best practices for educating the public about mining and mineral resources. The collaboration brings together professional organizations, universities, and industry. This meeting is open to all who are interested in furthering mining education outreach. If you would like to join us please do not hesitate to contact Chris.

As the outreach program heads out into classrooms across the state in 2024 we hope you will keep an eye out for us at the following events

- February 24th Chandler Innovation Fair in Downtown Chandler, AZ
- February 27th Arizona Teacher Workshop at MineXchange in Phoenix, AZ
- March 9th and 10th Science City on the University of Arizona Mall

If you would like to join us as a volunteer at any of the above events, please contact Chris at earnest@arizona.edu for more information.



School of Mining & Mineral Resources



DIARAMA—MINING MODEL

Dedication and Grand Opening

[Bullion Plaza Cultural Center & Museum – In Historic Miami, AZ \(bullionplazamuseum.org\)](http://bullionplazamuseum.org)



Bullion Plaza Cultural Center & Museum held a grand opening on Jan. 13 for the Mining Diorama. The event included private tours of the museum, a catered lunch and a Globe-Miami Chamber of Commerce ribbon cutting. The diorama's tale began around 2008, when Jan Rasmussen, Curator at the Mining and Mineral Museum approached MMEF about creating an exhibit on the story of copper. After the museum closed, the display eventually found a home at the Tempe Heritage Center where it was displayed until 2022 before moving to Bullion Plaza. Capstone Mining lent a hand, providing transport and unloading for the diorama from Tempe to Miami. Starting in mid-June 2022, a group of six volunteers took on the task of moving and reassembling the original exhibit. The volunteers included members of MMEF who drove up to Miami from Phoenix and Tucson, as well as one local man, Bob Walish with plenty of help from Tom Foster and museum staff. The 27-foot exhibit (scaled down from its original 40 feet) represents the complete workings of an open pit copper mine, concentrator, smelter and refinery.. Below the diorama itself are stations with videos on different stages of the copper process, where visitors can hear about different aspects of local mining. Over the years, primary funding for the Diorama has come from MMEF and individual members of MMEF including Larry Dykers, and Tim Snider .



DIARAMA—MINING MODEL

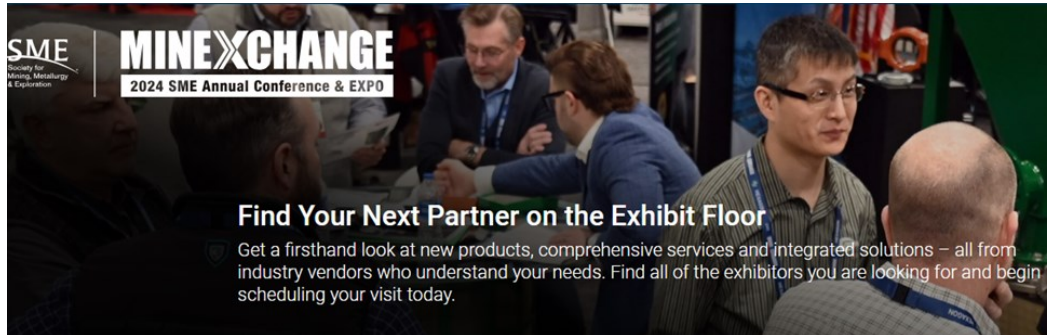
Dedication and Grand Opening

[Bullion Plaza Cultural Center & Museum – In Historic Miami, AZ \(\[bullionplazamuseum.org\]\(http://bullionplazamuseum.org\)\)](http://bullionplazamuseum.org)





Get ready! MINEXCHANGE 2024 features some of the biggest names in the mining industry today. Explore the new products, comprehensive services and integrated solutions that make your job smarter, easier, and safer – all from industry vendors who understand what drives your needs today is the solution for tomorrow.



Register using the link below [Home - SME Annual Conference - MINEXCHANGE](#)

MMEF MEMBERSHIP

Annual membership renewal commenced in January Please consider asking your associates to join the Mining and Minerals Education Foundation. The key to any organization is membership, especially new members.

[Become a Member \(miningeducationfoundation.org\)](https://miningeducationfoundation.org)

Thank you all for your support of the MMEF. Help us get bigger and stronger and healthier. The Outreach Program needs your support!





MEMBERS' CORNER

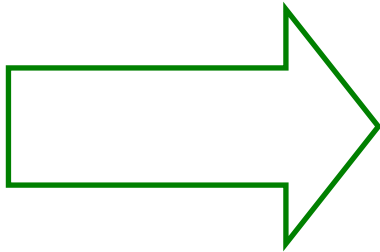


We gained 19 new members in 2023. Thank you all for your support of the MMEF. Total membership is at 129. Go out and encourage your associates to join. On behalf of Robert Tracy our 2023 President, the Foundation wishes to extend a warm welcome to our newest members:

Todd Zemlock is the CEO of Zemlock LLC which he founded in 2021,. He has held many senior management positions in the staffing industry with skills in negotiation, sales, management, Interviewing, and Payroll. He graduated From Arizona State University with a BA in Psychology and has a Masters in Organizational Management from the University of Phoenix..

Misael Cabrera is the Director of the School of Mining & Mineral resources at the University of Arizona. Prior to that he was the Director of the Arizona Department of Environmental Quality for seven years and worked at ADEQ for 11 years. He also has 20 years of experience working in consulting. He has a BS inn Civil Engineering from the University of Arizona

Sudhanshu Singh is President—Americas for Schlam Cru. Previously has worked at Caterpillar for eleven years and with the Terax Corporation for nearly 20 years. . He holds a Bachelor of Technology degree from Indian Institute of Technology (Indian School of Mines), and an MBA from the University of Phoenix.



Become a Member

ANNUAL MEMBERSHIP NOW DUE

Please sign on to renew your 2024 membership. [Become a Member \(miningeducationfoundation.org\)](https://miningeducationfoundation.org)

Those who still prefer to renew membership by checks should continue to forward payments to P.O. Box 42317, Tucson, AZ 85733. **Your donations are tax deductible to the extent allowed by law.**



LIFETIME HONORARY MEMBERS



At the Hall of Fame Banquet in December, we recognized five members for their exemplary service to MMEF with Lifetime Honorary Memberships. Honorary Membership is the highest distinction that MMEF can bestow and is only awarded in exceptional cases. On behalf of Robert Tracy our 2023 President, the Foundation wishes to extend our congratulations to our newest Honorary Members:



Cori Hoag was President in 2013 and Vice President and HOF Chair three times in 2010, 2011 and 2012. In addition, Cori has served on the HOF Committee for 15 years from 2009 – 2023 and on the Board of Governors for 12 years from 2008 – 2019. She also has been a valuable member of the Foresight Committee. Cori has been a Gold Member since 2014. It was during her three year run as HOF Chair that Cori transformed the banquet into a “must-attend” banquet and a momentous fund raiser. It was in 2011 that Cori introduced the use of videos to highlight the achievements of each year’s Honorees.

Larry Dykers was President in 2008, Vice President and HOF Chair in 2007

and as Treasurer in 2012. In addition, Larry has served on the HOF Committee for 17 years from 2007 – 2023 and on the Board of Governors for 10 years from 2007 – 2016. He also has been a valuable member of the Foresight Committee. Larry has been a Sustaining Member since 2009. Larry has been involved with the Mining Diorama since its inception in 2009.

Martin Kuhn was President in 1983 and 1998. He was Vice President and HOF Chair three times in 1985, 1994 and 1995. In addition, Martin served on the Board of Governors for 24 years from 1995 – 2018 and on the HOF Committee for 18 years from 1996 – 2013. He also has been a valuable member of the Foresight Committee. Martin has been a member since 1983.

Susan Wick was President three times in 1997, 2000 and 2002. She was Secretary/Treasurer for 17 years (1992 – 1998, 2001 and 2003 – 2011) In addition, Susan served on the Board of Governors for 22 years from 1993 – 2012 and 2015 - 2016. For the last three years Susan has sat on the Audit & Finance Committee. Susan has been a member since 1993 and a Silver member since 2015.

Wil Wilkinson was President in 1997 and HOF Chairman in 1996. He has served on the Board of Governors for 31 consecutive years and counting since 1993 and the Hall of Fame Committee for 30 consecutive years since 1994. Will has also served on the Foresight Committee since 2015. He has been a member since 1993 and a Gold member since 1994.

Previous Honorary Members include **Roshan Bhappu**—2019 (deceased 2020); **Fred Banfield**—2014; **Walter E Heinrichs, Jr.** - 2008 (deceased 2013); **Michael Canty**—2008; **Jack E Thompson, Sr.**—2001 (deceased 2011); **William C Peters**— 2001 (deceased 2019); and **Marvin Hustad** - 2001 (deceased 2019).



School of Mining & Mineral Resources

What We're all about...the School of Mining & Mineral Resources

A common refrain by miners is *"if it can't be grown, it must be mined."* We depend on mineral resources for nearly all aspects of our daily lives and as our societies become more technologically developed, we become increasingly dependent on nonrenewable mineral resources. We encourage the next generation of scientists and engineers to become informed about this topic—**who knows, who might discover the next big breakthrough in advancing sustainable and responsible mining.**

With funding from the [Mining and Minerals Education Foundation](#), the School of Mining & Mineral Resources provides educational programming geared towards middle school, high school and college-level audiences. Head to [Minerals.Arizona.edu](#) for more details.

ANNUAL MEMBERSHIP NOW DUE

Please sign on to <http://miningfoundationofthesouthwest.wildapricot.org/join> to renew your 2024 membership. Those who still prefer to renew membership by checks should continue to forward payments to P.O. Box 42317, Tucson, AZ 85733. **Your donations are tax deductible to the extent allowed by law.**



2024 ANNUAL MEETING

Mining and Minerals Education Foundation

Date: Tuesday, February 13, 2024

Time: 3:00 p.m. — 5:30 p.m.

Place: Hexagon

RSVP: admin@miningfoundationsw.org

OR

520-577-7519

Beverages & hors d'oeuvres will be served



THE
ANNUAL
MEETING
OF MEMBERS