



MINING AND MINERALS EDUCATION FOUNDATION

Forty-First Annual
American Mining Hall of Fame



**Awards
Presentation**
BANQUET & FUNDRAISER

Saturday, December 2nd, 2023
JW Marriott Starr Pass Resort & Spa, Tucson, Arizona

Program

6:00 p.m. RECEPTION
 7:00 p.m. BANQUET
 8:00 p.m. CEREMONY

- Welcoming Remarks: **ROBERT TRACY**, PRESIDENT, MMEF
- Introduction of Honorees and Honored Guests: **ROBERT TRACY**
- Grand Door Prize **ROBERT TRACY**
- Awards Opening Remarks: **SHAWN HAMILTON**, VICE PRESIDENT, MMEF
- Presentation of Inductees From Mining's Past
 BY SHAWN HAMILTON: **JOSEPH R. DE LAMAR**
 (1843 – 1918)
 ACCEPTED BY CAROLYN LODER, DIRECTOR, INTEGRA RESOURCES
- FELIX P. McDONALD**
 (1875 – 1936)
 ACCEPTED BY MICHELLE LOCHHEAD
- STUART A. BENGSON**
 (1943 – 2021)
 ACCEPTED BY WENDIE BENGSON
- DR. STANLEY M. HOWARD**
 (1945 – 2021)
- Presentation of Medal of Merit
 BY SHAWN HAMILTON: **R. GENE DEWEY**
 ACCEPTED BY MARK DEWEY
- EDSON R. McCORD**
- Presentation of Medal of Merit Under age 40 BY SHAWN HAMILTON: **BENNY CORBELL**
- Presentation of Industry Partnership Award BY SHAWN HAMILTON: **AMES CONSTRUCTION**
 ACCEPTED BY (TO BE DETERMINED)
- Presentation of Special Recognition Award BY SHAWN HAMILTON: **ARIZONA COPPER ART MUSEUM**
 ACCEPTED BY DRAKE MEINKE, OWNER
- Presentation of Inductee BY ROBERT TRACY: **XAVIER GARCIA DE QUEVEDO**
- Featured Address **JAVIER GARCÍA DE QUEVEDO AND IGNACIO GARCÍA DE QUEVEDO**
- Adjournment **ROBERT TRACY**

DIAMOND

Grupo Mexico Mining / Asarco

Komatsu

PLATINUM

Ames Construction

Hexagon

Epiroc

M3 Engineering & Technology Corporation

GOLD

Empire Southwest

Ruen Drilling

Eclipse Mining Technologies

Rummel Construction

Freeport-McMoRan

WestLand Engineering & Environmental Services, Inc

COPPER

Capstone Copper

Origin Mining

Caterpillar Inc.

Resolution Copper

Cementation

Recon Engineering & Construction

Doosan Bobcat

Southwest Energy LLC

Independent Mining Consultants, Inc.

SRK Consulting

Major Drilling

Turner Laboratories Inc.

SILVER

Apache Nitrogen Products Inc.

Mining & Metallurgical Society of America

Ausenco

Modular Mining Systems, Inc.

BGC Engineering, Inc.

Montgomery & Associates

CalPortland

Next Plan LLC

Cascade Drilling

Pam & Will Wilkinson

Civil & Environmental Consultants, Inc. (CEC)

Pioneer Equipment

DeConcini McDonald Yetwin & Lacy, P.C

Professional Minerals Development, LLC

Dempsey Family Fund

Ryerson

E3 Strategies

Skyline Assayers & Laboratories

Fennemore

Sundt

First Majestic Silver

T.P. McNulty & Associates

Florence Copper

Tetra Tech

Ivanhoe Electric

Thyssen Mining

John Fenn

Tsiolis. Attorney at Law

Hudbay Minerals Inc. – Copper World

Valley Forge and Bolt Company

KGHM Carlota

WSP

Liebherr

Yellow Jacket Drilling Services

McGuireWoods

OTHERS

AMIGOS

National Mining Hall of Fame & Museum

Mining and Mineral Education Foundation

The Board of Governors of the Foundation has voted to change the name of the Mining Foundation of the Southwest to the Mining and Mineral Education Foundation (MMEF) after several years of comprehensive study and serious consideration. This was launched in October of 2023. The change was made to better reflect our vision of education and increasing awareness in mining and mineral resources not only regionally, but also globally.

The Foundation was incorporated on May 3, 1993, to allow for tax deductible contributions to be used for charitable and educational purposes. At its annual fundraiser, the American Mining Hall of Fame honors achievements of industry leaders in the mining and mineral resources community. Including the 2023 inductees, 278 mining luminaries and organizations have been inducted.

Funds generated through sponsorships of the annual banquet are earmarked to support our mission. The MMEF partners with the School of Mining & Mineral Resources at the University of Arizona and is a prominent financial funding source for the Education Outreach Program.

The Outreach Program has reinvented itself by embarking on new and innovative ways to reach students, educators and the public combining

virtual learning with in-classroom presentation and hands-on activities. Chris Earnest, Outreach Coordinator has spearheaded the effort with the advent of the “Minerals Make It” video series which have been viewed over thousands of times. Virtual mine tours using Google Earth are available online as well as “Hiking Tours” covering historic mine sites and a tour that emphasizes how minerals are used in everyday life such as the rock wall surrounding The University of Arizona.

As the new year approaches, schools are requesting both in-person and virtual sessions from the Outreach Program. The SX Mine is open for tours as is the Flandrau Science Center & Planetarium. With your help, the Outreach Program will continue to educate and emphasize the positive effects on our lives of mining and mineral resources.

“The most interesting thing that I learned this time would be how much mining needs to continue... we are reliant upon the minerals in the mines. It was a reminder to think of how our cell phones are comprised from the minerals found in mines and it made me think about electric cars and how many more electric cars are now being produced and purchased.”

-11th grade Science and Engineering Teacher from Tucson

Mining and Minerals Education Foundation

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2023 Hall of Fame committee

Shawn Hamilton – *Chair*
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Xavier García de Quevedo

EXECUTIVE VICE PRESIDENT AND VICE CHAIRMAN, GRUPO MEXICO

Xavier García de Quevedo received his Bachelor's degree as a Chemical Engineer from Universidad Nacional Autónoma de México, with postgraduate studies in Administration and Finance from Instituto Tecnológico; de Estudios Superiores de Monterrey.

He is currently the Executive Vice president and Vice Chairman of Grupo Mexico. He is also a member of the Boards of Directors of Grupo Mexico, Americas Mining Corporation, Southern Copper Corporation, Grupo Mexico Transportes and Ferromex. Since January 1, 2011, he has held the position of President of the infrastructure division that includes energy, oil & gas, highways, and engineering and construction projects.

From December 2009 to June 2010, he was Chairman of the Board and CEO of ASARCO LLC and previously was the Executive President of ASARCO LLC from November 1999 to September 2001. He was also the Executive President of Minera Mexico from October 2001 to November 1, 2014, and President of Americas Mining Corporation from September 7, 2007, to October 31, 2014.

García de Quevedo began his professional career in 1969 with Grupo México as an operations supervisor. He was President of Grupo Ferroviario Mexicano, S.A. C.V. and Ferrocarril Mexicano, S.A. C.V. from July 1997 to December 1999 and held the position of Vice President of Exploration and Development of Grupo México from 1994 to 1997.



He previously worked for Grupo Condumex, S.A. C.V., (electro manufacturing, telecommunications and auto parts) as Executive Vice President.

García de Quevedo was Chairman of the Mining Chamber of Mexico from November 2006 to August 2009.

In August 2022, the Mexican Union of Associations of Engineers (UMAI), awarded him a gold medal for "Excellence in Engineering 2022" in the category of Operation / Management. He is an active member of the Association of Mining Engineers, Metallurgists and Geologists of Mexico (AIMMGM).

Special Note: Xavier García de Quevedo passed away on October 5, 2023

Joseph R. De Lamar

(1843 – 1918) MINE OWNER AND OPERATOR



Joseph R. De Lamar was born in Amsterdam in 1843. De Lamar worked as a seaman until he was twenty, by which time he advanced to be the master of a ship. Three years later he received a captain's command.

In 1878, De Lamar came to New York and went west, to Leadville, Colorado. In 1879 he bought the Terrible Lead Mine and operated it until 1885, at which time he sold it. He then obtained control of a mine west of Silver City, Idaho. After taking out \$1,500,000 from the operation, he sold a half interest to English concerns for \$2,000,000 and turned his interest to the Cripple Creek Mining District in Colorado. There, he invested in a company that utilized a new chlorination process to recover gold. It was here that Daniel C. Jackling joined the new concern, starting his career as an assayer.

From Colorado, DeLamar shifted his interest to gold at Mercur, Utah. Here, he built a 500 ton/day mill to use the new cyanide process. It was expanded to 1,000 tons/day. Jackling was largely involved with this mill.

In the 1890's De Lamar became interested in copper. He sent two of his engineers, Jackling and Gemmel, to examine a copper prospect at Bingham Canyon. Although he ultimately declined the opportunity to invest in Bingham, the report served as a catalyst for the development of that property.

He invested in the International Nickel Co., which hit peak production during high metal prices during WW I. At the time of his death, he was one of the wealthiest men in America. Three once mining cities, now ghost towns, bear his name; Delamar Nevada, De Lamar, Idaho and Delamar, California.

Felix P. McDonald

(1875 – 1936) BLOCK CAVE INNOVATOR



Felix P. McDonald was born in 1875 in England. He came to the United States in 1887, first living in Pennsylvania before moving to Utah in 1899. He married Mary Ann Hyland that same year. They had six children.

He worked as a miner in Mercur, Utah, where his older brother John was the superintendent. From Mercur, Felix moved north to Bingham Canyon, which was a hotbed of activity with silver, lead and copper mines. There, he worked at, and became superintendent of the Commercial mine, then went to the developing Ohio Copper mine, which bordered other promising properties - Boston Consolidated and Utah Copper – all in the Bingham Canyon area.

Here, as superintendent, he developed a system of caving ore into raises feeding grizzlies over transfer raises. While this method involved driving additional raises, it was more economical due to the decrease in manpower needed than the alternate caving method which used tramming levels to move the caved ore to transfer raises.

When the Anaconda Copper Co. acquired a major interest in the Inspiration and Live Oak porphyry copper deposits near Miami, Arizona, they determined that the Ohio Copper caving method to be the best suited for these properties and hired Felix McDonald as the general superintendent to develop these mines. He successfully developed Inspiration and soon, other block caving operations adopted this method. His method is still in use today.

In addition to his work at Inspiration, he traveled to South America to help set up other Anaconda properties. Inspiration Consolidated Copper Co. honored him by naming the main shaft at their Christmas Mine after him.

Stuart A. Bengson

(1943 – 2021) MINE RECLAMATION PIONEER



Stuart A. Bengson was born in Marquette, Michigan in 1943. He graduated from Amphi High School in Tucson, Arizona in 1961, obtained a Bachelor of Science Degree in Forestry in 1970 and a Master of Science in National Resources Administration in 1978, both from the University of Arizona.

In 1973, Bengson joined ASARCO LLC as an Agronomist at the Mission Complex in Sahuarita, Arizona. Over a 34-year career, he was best known for his pioneering work in reclamation of tailings and mined lands at active and inactive mine sites in Arizona, New Mexico, California, Texas, Utah and Montana. He pioneered mine tailings reclamation using livestock and biosolids and successfully implemented innovative technologies for drip and micro-sprinkler irrigation.

Bengson was a member Bureau of Land Management Arizona Resource Advisory Council; served as Chairman of the Pima Natural Resource Conservation District and chaired the Public Lands Committee of the Arizona Mining Association.

Bengson was a Member of the Society Range Management (SRM), Soil and Water Conservation Society (SWCS), Society of Mining Engineers (SME), the American Society of Surface Mining and Reclamation (ASSMR) and the United Four Wheel Drive Association (UFWDA).

Bengson received numerous awards recognizing his accomplishments including: 1984 SWCS Conservation of the Year Award, 1989 and 1991 SRM President's Award; 2003 Pioneer of Reclamation Award (American Society of Mining and Reclamation) and the 2016 Lifetime Conservation Heritage (Pima Natural Resource Conservation District AACD).

Dr. Stanley M. Howard

(1945 – 2021) INSPIRING METALLURGICAL EDUCATOR



Stanley M. Howard was born September 5, 1945 in Torrington, WY where he graduated from high school. He received his Bachelor's Degree in Metallurgical Engineering in 1967 and his Doctorate Degree in 1971 from the Colorado School of Mines.

He then began a distinguished 50+ year career at South Dakota School of Mines and Technology in teaching, mentoring, research and contributions to science and engineering. He served as the chair of the Department of Materials and Metallurgical Engineering from 1994-2000. He was awarded the campus Presidential Award in recognition of excellence in teaching, scholarly activity, and community service in March 1994.

Dr. Howard was an active member of the American Institute of Mining, Metallurgy and Petroleum Engineers (AIME) and The Minerals, Metals & Materials Society (TMS) since 1966 and held many volunteer TMS leadership positions. In 2016 and 2019, he served as President of TMS. He was awarded the 2021 Alexander R. Scott Distinguished Service Award in March of 2021. He was also a long-time Registered Professional Engineer.

His research activities have included chlorination processes for gold extraction, direct applications for geothermal resources, replacement alloys for beryllium alloys, thermochemistry of high-temperature liquid metals, and carburization kinetics. He has numerous publications to his name.

In 1986 he co-founded Group V Metals, Inc which licensed technology to produce the purest tantalum and niobium compounds commercially available in the world with customers. He had temporary appointments at Stanford Research Institute, Kerr-McGee Technical Center, and Oak Ridge National Laboratory.

R. Gene Dewey

PRESIDENT AND CEO OF MOLYCORP, RETIRED MINING EXECUTIVE



R. Gene Dewey was born in Sewickley, PA in April of 1940. He graduated from the University of Arizona with a BS degree in Business in 1961. After a short stint in the steel industry, he joined Kennecott Copper Corporation in AZ at the Ray Mines Division where he held positions in accounting, operations, and maintenance.

In 1967 he relocated to Molycorp, Inc's new open pit molybdenum mining operation near Taos, New Mexico. In 1969 he worked with Fluor Utah to design a computerized DCF-ROI program. He was instrumental in implementing an innovative cost accounting system as well as establishing a component rebuild and replacement system for the mining equipment.

Dewey became the General Manager in 1974. In 1976 he was promoted to VP of Mining and

Exploration and transferred to the New York office. In 1977 Molycorp merged into Unocal Corporation. In 1979 he relocated to Unocal's office in California, was promoted to President of Molycorp in 1985 and to VP of Carbon and Minerals in 1991 with responsibilities for world-wide mining and exploration, graphite operations in Texas, operations and marketing of Unocal's calcined coke, green coke, needle coke and solvents.

He was the principal liaison for Molycorp in their partnership with the world's largest niobium mine in Araxa, Brazil. Molycorp was also the only producer of primary rare earths in North America from its mine in Mountain Pass, California.

He retired in June of 2000, bought a 47-foot cutter rigged sloop and sailed it from Ft. Lauderdale to Trinidad in 2001 and back in 2002. Since that time, he and Lynne have been sailing around the world a few weeks every year.

Dewey was a member of the Board of Directors of the American Mining Association and the National Mining Association from 1986 to 2000. He has been a member of SME since 1969 and has served as the Los Angeles section chairperson. He is a founding member of the National Mining Hall of Fame and Museum, a member of the Mining and Minerals Education Foundation and The Mining and Metallurgical Society of America.

In 2015 he and his wife Lynne started a foundation at the Lowell Institute for Mineral Resources at the University of Arizona. Special Note: R Gene Dewey passed away on August 17, 2023.

Edson R. McCord

CATERPILLAR, RETIRED ELECTRIC DRIVE TRUCK EXPERT

Edson R. McCord was born and raised in Rhinebeck, New York where he first became interested in earthmoving machinery. He earned a Bachelor of Science degree from the California Institute of Technology in 1971 and pursued a Master of Science degree from New York University School of Engineering before going to work for International Harvester in 1973. He also was awarded an honorary Ph.D. in Engineering Technology from the Wentworth Institute of Technology.

For the next 20 years, McCord was actively engaged in the development, sales, marketing and manufacturing of construction equipment. This included seven years in France where he managed Dresser Industries' subsidiary for design, manufacturing and support of hydraulic excavators.

McCord's mining career began in 1994 when he was appointed president of Komatsu's Haulpak division in Peoria, Illinois. Komatsu's position as the leading supplier of electric drive mining trucks was strengthened through the development of new 200 and 240-ton trucks as well as the introduction of the 930E, the world's largest truck at 320 tons and the first AC drive truck. To this day, the 930 is the market leader in the 320-ton class. He was also instrumental in Komatsu's leadership position in trolley assist systems and was an early proponent of autonomous haulage.

In 2004, McCord joined Caterpillar to lead their mining truck business and develop electric drive trucks to complement Caterpillar's mechanical drive product line. During his



10 years at Caterpillar, new mechanical drive models were introduced in the 150, 200, 240 and 400-ton classes along with 320 and 345 electric drive models. He was also responsible for Caterpillar's trolley assist program, LNG alternatives to diesel power and Caterpillar's autonomous haulage system program.

Upon retirement in 2014, McCord was Director, Surface Extraction and Haulage with responsibility for Caterpillar's hydraulic mining shovels, electric rope shovels, draglines and trucks from 35 tons to 400 tons.

He and his wife, Anne, reside in Burlington, Wisconsin where he spends his time pursuing his hobbies of British sports cars and vintage automobile racing.

Benny Corbell

MINE MANAGER, BAGDAD FREEPORT-MCMORAN

Benny Corbell holds a B.S Degree in Mining and Mineral Engineering from the University of Arizona. He is an experienced Mining Engineer working in the mining & metals industry. Corbell has been a Professional Engineer (PE) since 2015.

Mining is in his blood growing up in Morenci, Arizona and as part of a large mining family. He is a 4th generation miner. Corbell graduated from Morenci High School. He was a two-time state wrestling champion in the 119 and 125 pound weight classes in the 1A-2A Division.

He graduated from the U of A ROTC program in 2009 and spent 10 years in the United States Army Reserve from 2004 – 2017. He served as a Human Resource Specialist, Signal Officer and ultimately as an Engineer Officer with the rank of Captain.

He joined Freeport-McMoRan in 2009 at the Morenci Mine as an Ore Control Engineer and held various positions until 2012 when he transferred to the Oro Valley Office working on Long Range Surface Mine Planning. He spent 6 months at the Henderson Mine in Colorado and transferred to the Sieritta Operations as a Geomechanical Engineer in 2013. He left Sieritta as a Senior Drill and Blast Engineer in 2017 and transferred to the Climax Mine in Colorado as Mine Operations Superintendent. In 2019 he moved to Bagdad Mine as The Chief



Engineer and in 2021 was promoted to the position of Mine Manager.

Corbell credits his success to gaining experiences while working at multiple sites, learning from talented leaders and coworkers, and having the support of his family. While working as an engineer, for example, he gained a clear vision around slope stability that focused on safety, developing appropriate dewatering plans, and optimizing blasting to help the team achieve maximum tonnage daily.

In his off time, he enjoys spending time with his wife and three boys, visiting family, and hunting.

In the spring of 1962, Richard J. “Dick” Ames founded Richard J. Ames Excavating in Lakeville, Minnesota, with a used Caterpillar D8 dozer and a strong work ethic born on the family farm. By late summer, Dick had asked his younger brother, Raymond “Butch” Ames, to join him in the business and, in 1963, the company was renamed Ames Construction, Inc. One by one, Ames family members joined the fledgling company, including their brothers John and Ron Ames and nephew, Mark Brennan.



Ames Construction, Inc.®

While road construction and soil conservation work were the company’s mainstay, the housing boom following World War II also opened doors for the growing business, as Ames began residential site development work with a local developer. When the housing market stalled in the late 1960s, the company pursued commercial work and aligned with local major private general contractors.

By the mid-1970s, Ames Construction had built strong business relationships and opportunities arose for pursuing work outside of their home state, which ushered in an era of growth that uprooted family members to establish offices in different regions of the country. The company’s willingness to travel also opened doors to expand market opportunities. In the 1980s and 1990s, Ames added capabilities and broadened its reach to include projects in water resources, railroad, transportation, energy and mining.

Ames arrived at the site of its first mining client on Valentine’s Day in 1986 to work on a large infrastructure project. By building a relationship anchored with mutual trust, transparency and respect, Ames has never left the property. And in 1994, when called on by a client to help finish building a struggling six-million square foot leach pad at the Muruntau Mine in Uzbekistan, 40 Ames personnel traveled to the site within a week, trained local workers and finished the project.

For more than 35 years, Ames has successfully executed complex mining projects, which has placed them at the forefront of the mining industry. From infrastructure, mine development, and mine facility construction, to contract mining and mine reclamation work, Ames has an arsenal of experience including pre-production stripping, turnkey mine development, leach pads, tailings storage facilities, mechanical, contract mining, mine closure and reclamation work.

Today, Ames Construction is a full-service civil and industrial general contractor for projects in the federal, industrial, mining, railroad, renewable, transportation and water resources industries.

Throughout Ames’ 60 years in business, the one constant has been creating partnerships with clients, vendors and the communities in which they live and work. These invaluable relationships carried Ames into the growth and expansion that continues today.

Arizona Copper Art Museum

Arizona's Copper Art Museum originated from a simple spark. In 1958, John and Patricia Meinke of Minnesota saw in an antique shop several copper molds that captivated them. Later, Pat opened a small antique shop and kick-started today's massive collection displayed in the museum.

In 1978, their son, Drake, joined the business and started his collection. Over the years, both collections grew in size and prominence. A museum concept then evolved with a focus on connecting to an appropriate community with a foundation built around copper.

A two-year survey was conducted to find the best location within the U.S.A. for a museum of copper art. Arizona, nicknamed the Copper State, was easily chosen being the largest copper producer in the nation. Clarkdale, a former company town built by "America's Copper King," Senator W. A. Clark, was chosen as the new home for the museum's collection of copper art and artifacts. The museum occupies the former historic Clarkdale High School building and is an official Arizona Centennial Legacy Project. It opened as part of Arizona's and Clarkdale's mutual centennial celebrations of 2012.

The Arizona Copper Art Museum tells a genuine story that marries Arizona's greatest treasure with world legends and fantastic art. The affinities and history of copper is also featured and is very fascinating, bringing forth forgotten stories, legends and mysteries. Exhibits and collections are divided into six categories: information, military art, architecture, kitchenware, drink ware, and distillery and winery. A massive collection has been organized of over 6,500 works of copper art and architecture of Western European and Northern American emphasis, spanning from 3500 B.C. to present day.

The museum won the 2014 Arizona Governor's Tourism Award. The museum has also rocketed to the top 1% of 4,500 attractions in Arizona. Clarkdale is 16 miles SW from Sedona; the museum is in the center of town on historic route 89A.



American Mining Hall of Fame

Inductees (1983-2022)

1983	George E. Atwood	2003	Thomas J. O'Neil
1984	Charles F. Barber	2004	J. Steven Whisler
1985	George B. Munroe	2005	Pierre Lassonde
1986	John C. Duncan	2006	Jack E. Thompson, Jr.
1987	Plato Malozemoff	2007	Dennis R. Washington
1988	Simon D. Strauss	2008	Timothy R. Snider
1989	G. Robert Durham	2009	Tom Albanese
1990	Harry M. Conger III	2010	Richard C. Adkerson
1991	Kenneth J. Barr	2011	Laurence Golborne Riveros
1992	T.S. Ary	2012	Gregory H. Boyce
1993	Milton H. Ward	2013	James D. Toole
1994	J. Burgess Winter	2014	Armine Frederick Banfield, Jr.
1995	Douglas C. Yearley	2015	Conrad Huss
1996	Richard de J. Osborne	2016	Oscar González Rocha
1997	James R. Moffett	2017	Gary Goldberg
1998	Charles G. Preble	2018	Harry M. (Red) Conger
1999	Irl F. Engelhardt	2019	Darren M. Pylot
2000	Ronald C. Cambre	2020	Lukas Henrik Lundin
2001	A. Dan Rovig	2021	Robert Friedland
2002	J. David Lowell	2022	Denise Johnson

Industry Partnership Awards (1995-2022)

1995	Caterpillar, Inc. - Glen A. Barton	2008	Atlas Copco Construction Mining Technique USA LLC
1996	AMIGOS (Arizona Mining & Industry Gets Our Support)	2009	Boart Longyear Company
1997	Colorado School of Mines	2010	Prospectors and Developers Assoc. of Canada
1998	Stephen D. Bechtel, Jr. and Bechtel Corporation	2012	Komatsu America Corp.
1999	Mineral Information Institute	2013	Joy Global
2000	Modular Mining Systems, Inc.	2014	Empire Southwest
2001	Mintec, Inc.	2015	InfoMine
2002	Senator Larry Craig	2016	WestLand Resources, Inc.
2003	Aker Kvaerner	2017	SRK Consulting
2004	Mining and Metallurgical Society of America	2018	Sundt Construction, Inc.
2005	Northwest Mining Association	2019	Golder
2006	Mountain States Legal Foundation	2020	Hexagon
2007	M3 Engineering & Technology Corporation	2021	Southwest Energy
		2022	Ruen Drilling

Special Citation Awards (1994-2022)

1994	Senator Dennis DeConcini	2014	Rio Tinto Kennecott Bingham Canyon
2010	Friends of Ariz. Mining & Mineral Museum	2015	Independent Mining Consultants
2011	Chilean Government - Industry Partnership	2016	WAAME
2012	ASARCO LLC	2018	SABC
2013	Arizona Geological Survey	2021	AIME
		2022	Montana Technological University, Department of Metallurgical and Materials Engineering

Presidential Citation Award (2009)

2009	Caterpillar, Inc.
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American Mining Hall of Fame

Medal of Merit Recipients (1989-2022)

1989	Ralph J. Roberts	2007	William G. Davenport
1989	Victor H. Verity	2007	Harry Parker
1990	John S. Livermore	2008	Barbara A. Filas
		2008	Paul Arthur Hodges
1991	George O. Argall, Jr.	2009	Mary M. Poulton
1992	Arthur A. Brandt	2009	Jean Michel Rendu
1992	William C. Epler	2010	Terence P. McNulty
1993	Walter E. Heinrichs, Jr.	2010	Nyal Niemuth
1993	Willard C. Lacy	2011	Marco T. Einaudi
1994	Donnell W. Agers	2011	Ralph B. Sievwright
1994	J. David Lowell	2012	David C. Lincoln
1994	Ronald R. Swanson	2012	Matthew D. Lengerich
1995	Warren Kay Pincock	2013	Joseph M. Keane
1996	Richard W. Hutchinson	2013	Sean D. Dessureault
1996	Charles L. Pillar	2014	Corale L. & James A. Brierley
1997	Hugo T. Dummett	2014	David E. Nicholas
1997	Spencer Rowe Tittle	2014	Scott M. Shields
1998	David N. Skillings, Jr.	2015	Charles Michael (Mick) Lownds
1998	José Rubén Velasco Rodríguez	2015	Fiorella Giana
1999	Paul S. Allen	2016	William R. Assenmacher
1999	William C. Peters	2016	Justin Cross
		2016	Michelle Lammers
2000	Leonard Harris	2017	John Lacy
2000	Pedro Sánchez-Mejorada	2017	Eben Robinson
2001	William H. Dresher	2018	Hugh Miller
2001	Warren E. Fenzi	2018	Marian LaLonde
2002	Richard D. Call	2019	Victoria Peacey
2002	Kenneth L. Zonge	2019	Vicki Seppala
2003	Stanley H. Dempsey	2019	William Sircy
2003	James Wm. White	2019	Cody Sutherlin
2004	Edward S. Frohling	2020	Emily King
2004	Joaquín Ruiz	2020	Jonathan Jazwinski
2005	Larry McBiles	2021	Sydney Hay
2005	Wayne C. Hazen	2021	Sarah Strunk
		2021	Angela Watt
2006	Leonard R. Judd	2022	Steve Trussell
2006	Roshan B. Bhappu	2022	Omar Smith

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 Shawn Hamilton – *Vice President*
 Kathy Arnold – *Secretary*
 Robin Barnes – *Treasurer*

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 Allison Moore
 James Norine
 Shannon Panisko
 Arlan Ruen
 Lyn Thomas
 Hugo Untiveros
 Gene Waken
 Robert Walsh

In Memoriam

R. Gene Dewey – 2023 Medal of Merit
 Xavier García de Quevedo – 2023 Inductee



MMEF Outreach Coordinator

CHRISTOPHER EARNEST
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