



MINING FOUNDATION OF THE SOUTHWEST  
Thomas L. Aldrich, Executive Director  
PO Box 42317 , TUCSON, AZ 85733  
520-577-7519 (office), 520-577-7073 (fax)

August, 2018  
[www.miningfoundationsw.org](http://www.miningfoundationsw.org)  
[admin@miningfoundationsw.org](mailto:admin@miningfoundationsw.org)

# CONCENTRATES

## MINING FOUNDATION OF THE SOUTHWEST

### **Advantages and Considerations**

In this age of social media whereby a world of peers is only a tweet away, the benefits of joining a membership organization is rightly being questioned. So are they still relevant? Membership organizations like the MFSW can still be a crucial aspect of a professional's career. They can open up opportunities for networking and professional development that simply aren't matched by other sources.

Membership of a respected organization such as the MFSW is seen as a plus by prospective employers. Your association with the brand sends the message that you are serious about your profession, and you are willing to put your money where your mouth is.

A membership organization such as the MFSW can raise awareness of important issues facing its target audience and promote better understanding of its industry to the general public.

The MFSW offerings for members only include discounted tickets to the annual banquet.

Social media has injected steroids into the sport of professional networking, but the real power of a membership organization such as the MFSW lay in the opportunities it affords for local networking. By attending the Annual Banquet and Fundraiser and/or attending committee meetings and Board meetings, you can meet great people in the industry whom you wouldn't have met otherwise.

A membership organization such as the MFSW provides you with an avenue to "give something back" to the profession, by supporting its educational outreach programs or by volunteering for committee assignments. While this in itself is an admirable thing to do, it's a win-win transaction as it also raises your profile in the professional community.

Membership organizations such as the MFSW also sponsor industry awards. These awards are important because they shine a light on outstanding work that should be showcased but might otherwise have remained undiscovered.

There continues to be a viable future for membership organizations like the MFSW that continue to evolve to meet the needs of its members. At the end of the day, it all boils down to return on investment. If each individual member feels that he or she is receiving value for money, then that's what really matters.

**Go convince someone today to become a member of the MFSW.**

## MINING FOUNDATION OF THE SOUTHWEST

## IN MEMORIAM



In 1984 I had the opportunity to give **John McCain** a tour of the Hayden Copper Smelter. Asarco had just completed a \$134 million modernization project with the installation of the Inco Flash Furnace, a new Acid Plant, Water Treatment Plant and Oxygen Plant in November of 1983. McCain, who was running for re-election in the 1st Congressional District of Arizona, went on to win over Democrat Harry W. Braun with over 78% of the vote. He was very attentive to the workings of a copper smelter and interested in its upgrades which increased the sulfur capture from 55% to over 92%. I feel very honored that I was able to meet Senator McCain and

spend an hour with him talking about the copper industry and Asarco's Hayden Smelter in particular. Tom Aldrich

## IN MEMORIAM



**Dr. Kevin Horstman**, 66, passed away on August 29, 2018 at his home in Oro Valley. Kevin was an independent geologist specializing in remote sensing and structural geology. He is survived by his wife, Cori Hoag. Kevin first met Cori in a geology class at the University of Arizona 32 years ago. Kevin was awarded an Honorary Life Membership in the Arizona Geological Society in 2015 for his countless hours of volunteer work and served as its President in 2009. Kevin was also a member of Catalina Rotary Club and the Mining Foundation of the Southwest. He is a graduate of Northern Arizona University and received his doctorate from the University of Arizona in 1996 under the tutelage of Spencer Titley. A memorial service will be held on Saturday, September 29 at 11 AM at the Catalina United Methodist Church located at 2700 East Speedway in Tucson, Arizona.

## IN MEMORIAM



**Howard G. King 95**, of Tucson, AZ, died on June 17, 2018. He is survived by his loving wife of 73 years, Verneda Toothman King; his daughter, Sandra King (Butch) Ruhl; and many grandchildren and great grandchildren. He was a long-time member of MFSW and had a remarkable career in the mining industry. Howard was born to Eli W. and Violet George King on September 8, 1922, in Monongahela, PA. After graduating from high school in 1941, Howard enlisted in the [Army](#) and served as a staff sergeant with the 1st U.S. Infantry Division. He took part in the North African and Sicilian campaigns before landing on Omaha Beach on June 6, 1944, and fighting through France, Belgium and Germany. For his service he was awarded the [Bronze Star](#), two [Purple Hearts](#), and the French Legion of Honor Medal. He received a B.S. in Civil Engineering from the Univ. of Pittsburgh in 1950 but worked primarily as a mining engineer. In 1961 he left his work with coal mines in Pennsylvania and West Virginia to move his

family to Tucson. His career in designing and constructing coal, copper, and gold mines; managing large scale projects; and consulting took him to remote but interesting parts of the U.S., Canada, Mexico, Iran, Brazil, Paraguay and China, but he always returned to Tucson. Besides his work, he enjoyed the outdoors, flying planes and studying history. His family and his many friends loved him for his generosity, sense of humor, and ability to tell great stories. He will be greatly missed by all who knew him.



Membership Totals							
	2012	2013	2014	2015	2016	2017	2018
Sustaining	2	2	2	2	2	2	2
Gold	12	9	15	14	14	12	15
Silver	21	23	15	15	13	18	18
Voting	69	47	51	49	51	48	72
Affiliated	0	1	1	1	1	1	1
Associate	8	6	2	9	7	8	12
Comp	0	14	1	1	1	2	1
Honorary	5	5	5	5	5	4	4
<b>Total</b>	<b>117</b>	<b>107</b>	<b>92</b>	<b>96</b>	<b>94</b>	<b>95</b>	<b>125</b>

**TRIVIA**

## Membership Trivia

**Triv?a**

- In 2018 to date, the MFSW has had a 32% increase in membership from 95 to 125 members.
- The 46 new members comprise 37% of the total membership.
- Women comprise 23% of the membership.
- There are over 75 companies and organizations represented in our membership.
- Seven Charter members from 1993 are still members of the MFSW including Fred Banfield, Richard Eisenbeis, Ted Eyde, Marvin Husted, David Lowell, William Peters and Harry Winters.

We have 64 members of the MFSW who have been members for 5 years or longer including Tom Aldrich, Bill Asenmacher, Doug Austin, Jean Austin, Mark Baker, Fred Banfield, Roger Becksted, Marta Berry, Roshan Bhappu, Curtis Bilow, Michael Canty, Jenine Dalrymple, Stan Dempsey, Gene Dewey, Larry Dykers, Don Earnest, Richard Eisenbeis, Jo Ellen Errebo, Ted Eyde, John Fenn, Gary Goldberg, Nancy Gracia-Gungor, Michael Greeley, Jerry Harris, Leonard Harris, Art Haugen, Bill Hawes, Cori Hoag, Kevin Horstman, Marvin Hustad, Martin Kuhn, John Lacy, Marian LaLonde, Mathew Lengerich, David Lincoln, David Lowell, John Marek, Terry McNulty, Bob Metz, Steve Milne, Nyal Niemuth, Brian Norton, Harry Parker, William Peters, Mary Poulton, Chuck Prebble, Eben Robinson, Ron Roman, Dan Rovig, Tom Scartaccini, Ralph Sievwright, Tim Snider, Mark Sutton, Lyn Thomas, Jack E. Thompson, Tom Toole, David Travis, Herb Welhener, Steve Whisler, Susan Wick, Pam Wilkinson, Will Wilkinson, Harry J. Winters Jr and Anonymous. Thanks for your continued support.

## MEMBERS' CORNER

**We now have 46 new members. Thank you all for your support of the MFSW. Total membership is at 125. On behalf of David Travis, our 2018 President, the Foundation wishes to extend a warm welcome to:**

**Tyler Aldrich** - Aldrich is the son of MFSW Executive Director Tom Aldrich and the mining business has been a part of his life since birth. He resides in the New York City area and works in the political arena.

**Rena Aldrich** - Aldrich is the daughter of MFSW Executive Director Tom Aldrich and the mining business has been a part of her life since birth. She resides in the Phoenix area and works in the hotel and hospitality industry.

**Mallory Aldrich** - Aldrich is the daughter of MFSW Executive Director Tom Aldrich and the mining business has been a part of her life since birth. She resides in the Los Angeles area and works for a non-profit organization specializing in gifted education.

**Jodi Banta** - Banta is the Program Manager for the IMR at the University of Arizona. Previously she spent nearly 15 years in Financial Services with insurance giant American International Group (AIG). She managed project teams around the globe to implement CRM technology and customer-centric business strategies and managed diverse teams to address emerging risks and opportunities across the organization. She holds a Bachelor of Arts degree in Sociology from the University of Arizona.

**Dr. Hugh Miller** - Miller is the 2018 Medal of Merit Honoree and is an Associate Professor in the Mining Engineering Department at the Colorado School of Mines. Hugh is also the Research Director of The Energy, Mining and Construction Industry Safety (EMCIS) Program at CSM.. Current research activities include occupational health & safety, artesianal mining in the developing World, mining systems & equipment technology, hydraulic excavation, and waterjet technology.

## Video Shoot

Steve Pender and his crew from Family Video Legacy prepare to shoot the interview with Medal of Merit Under 40 recipient Marian Lalonde in preparation for the 36th Annual Hall of Fame Banquet.



## MEET YOUR GOVERNORS



### **Ron Roman (Term expires 2019)**

Roman received his Bachelor of Science and Masters in Metallurgical Engineering from the New Mexico School of Mines and his Doctorate from the Colorado School of Mines. He has more than 50 years experience in the metallurgical field and more than 40 publications and patents in the area of hydrometallurgy and mineral processing. His specialties are heap leaching copper, gold and uranium.; design and supervision of laboratory test programs; scale up of laboratory data to commercial operation; economic evaluation of heap leaching projects and software for simulating operating options. He has been President of Leach, Inc. since 1991. He is a longtime member of the MFSW and has served on the Board since 2004.



### **Rebecca Martinez (Term expires 2020)**

Martinez earned her Civil Engineering degree from the University of Arizona and is a member of the American Society of Civil Engineers and serves as an Amphi Middle School Girl Power Mentor since 2015. She has over 23 years of experience in commercial and industrial projects. Martinez has extensive experience in civil engineering design, earthwork, hydrology, road design and permit approval. Her project management experience includes preparing project schedules, presentation and budgets. Prior to joining M3 in 2010, Martinez worked for The WLB Group, WestLand Resources, Inc., Evans, Kuhn and Associates, Inc., and Engineering and Environmental Consultants, Inc. She now is Civil Department Head at M3. Rebecca has been on the Board of Governors since 2017.



### **Brad Ross (Term expires 2021)**

Brad Ross is a Registered Professional Mining Engineer and PhD with more than 40 years of experience in the mining industry. This experience has included a variety of positions ranging from Technical Services Manager, Operations Engineer, Financial Controller, to Asset Manager and Training Manager. His last position in industry was to manage the technical teams at the Bingham Canyon Mine before and after the massive Manefay landslide in 2013. He is currently a Professor of Practice in the Mining and Geological Engineering Department at the University of Arizona where he facilitates multi-disciplinary research and academics that relate to the mining industry. Dr. Ross has also written a book titled Rise to the Occasion – Lessons from the Bingham Canyon Manefay Slide which is based on his experience of managing the planning and preparation for and recovery from the largest highwall failure in mining history. This is his first year on the Board of Governors

## MEET YOUR GOVERNORS

### Jean Austin (Term expires 2019)



Austin was born in Saskatchewan, Canada and met her husband Doug in high school. She attended the University of Saskatchewan where she earned her Bachelor of Education Degree. She taught for several years in Regina and Saskatoon before marriage and the birth of their children. In 1984 Jean and Doug moved permanently to Tucson where she became very active in WAAIME and each year worked with SME on their October dinner dances. In 2002 at the annual WAAIME Kentucky Derby party, Clare Roscoe, who was the Office Manager of the MFSW, approached Jean and asked her to apply for her job. Jean took the job, held the position from 2002 – 2010 (9 Hall of Fame dinners) and thoroughly loved being involved in the mining world. She has been on the board since 2013 because she still enjoys having contact with mining people. She and Doug now travel a great deal, play duplicate bridge, enjoy birdwatching and live for 5 months at their home in San Carlos, Mexico.

### Terry McNulty (Term expires 2020)



McNulty earned a B. S. in Chemical Engineering from Stanford University in 1961, an M. S. in Metallurgy from Montana School of Mines in 1963, and a doctorate in Metallurgical Engineering from Colorado School of Mines in 1967. He was employed for 20 years by The Anaconda Company in various research, operating, and management positions and then served as VP-Technical Operations for Kerr-McGee Chemical Corporation for 3 years before joining Hazen Research, Inc., as President and CEO. In late 1988, he left Hazen and, with his wife, Carol, founded T. P. McNulty and Associates, Inc., a global consulting firm. Terry has obtained two patents in copper metallurgy and has published over 40 technical papers and textbook and handbook chapters dealing with minerals processing and extractive metallurgy, process control, energy conservation, and technology development. He is a member of AIME (SME and TMS), MMSA, Mining Foundation of the Southwest (MFSW), and the National Academy of Engineering, to which he was elected in 2005. He has served on the MFSW Board of Governors since 2002.

### Bill Hawes (Term expires 2021)



Hawes is a retired mining engineer who worked at numerous underground mines, primarily in the Rocky Mountains, in all facets of mining from entry level to management. Hawes graduated with a Mining Engineering degree from the New Mexico School of Mines in 1960. Among the Mines he worked at was the Sunshine Mine in Idaho prior to the 1972 fire. He was on one of the rescue crews responding to the fire. Bill He has always been interested in mining history and belongs to several mining-history related organizations including the Mining History Association. He is a longtime member of the MFSW and has been on the Board of Governors since 2009. He was Hall of Fame chairman in 2009 and President in 2010.

# THANKS TO OUR 2018 BANQUET SPONSORS

## Platinum



Mining & Metallurgical Society of America



A SOUTHWEST ENERGY / ORICA JOINT VENTURE

Tim Snider

## Gold



Ames Construction



Arizona Mining Association  
MINING... It's Essential for Your Life!



ASARCO  
GRUPO MEXICO



BARRICK



MINED OUT



MODULAR



PLS  
LOGISTICS SERVICES



# THANKS TO OUR 2018 BANQUET SPONSORS

## Silver



*Copper State Bolt & Nut Co.  
Your Fastener Specialist*



**FENNEMORE CRAIG**  
ATTORNEYS



**HUDBAY**



**MERIDIAN ENGINEERING COMPANY**

**MOTION METRICS**



## Others





## *December 1, 2018 Hall of Fame Awards Banquet Information*

### **SPONSORSHIP OPPORTUNITY IS STILL AVAILABLE**

Sponsorships are offered at 4 levels: Diamond (\$10,000), Platinum (\$5,000), Gold (\$2,500) & Silver (\$1,000). All sponsors are recognized on the Foundation's website, press releases, banquet program and during the banquet ceremony.

### **TICKET SALES**

Voting, Silver and Gold members in good standing are extended 2 member pricing banquet tickets at \$200 per ticket.

### **STUDENT TICKETS**

If your company would like to earmark some of their tickets for University of Arizona students or purchase a table for students and faculty, please let me know. Last year we had over 50 students and faculty attend the banquet due to the graciousness of our members and sponsors.

### **HOTEL RESERVATION**

Please reference SME/MFSW/Summit when booking reservation by phone.

**1-877-622-3140**

For additional information, please go to: [www.miningfoundationsw.org](http://www.miningfoundationsw.org)



