



MINING FOUNDATION OF THE SOUTHWEST

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NOVEMBER 2013

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CONCENTRATES

Your Foundation's Strategic Plan



It's been a challenging year for many of us with a commodities market roller coaster, cutbacks in exploration efforts, reduction in consulting/vendor services, and challenges to find financing for new projects. Sounds like a good time to reevaluate company priorities and long-range plans to get through the rough patches and move forward. Just as companies need to reassess their "life-of-mine" plans, so do non-profit organizations such as MFSW. We're overdue for updating our long-range plan, or at least preparing a realistic plan for the next 3-5 years. What priority projects or new projects could we undertake to reinvigorate us, refocus our efforts in line with our overall

Mission, and recruit new members? We have a good Outreach Program to public schools and are interacting with thousands of teenagers. How can we expand our public outreach efforts? How will our fundraising efforts support these ambitious goals? We'll have an opportunity to discuss this at a Strategic Planning session the Board of Governors will hold in January at a time TBD. The meeting will be facilitated by Marian LaLonde and Don Earnest. Interested members are invited to attend or provide your thoughts. *Cori Hoag, MFSW President*



2013 MFSW BANQUET SPONSORS

DIAMOND

Southwest Energy

PLATINUM

ASARCO LLC

Joy Global

Freeport-McMoRan Copper & Gold Inc.

Independent Mining Consultants, Inc.

M3 Engineering & Technology Corporation

Mintec, Inc.

Modular Mining Systems, Inc.

GOLD

Ames Construction, Inc.

Apache Nitrogen Products, Inc.

Caterpillar

Keane Mineral Engineering

MWH, Global

Newmont Mining Corporation

SILVER

Atlas Copco Construction Mining Technique USA LLC

CAID Industries, Inc.

Empire Southwest

Liebherr Mining Equipment, Inc.

Minas de Oro Nacional

Montgomery & Associates

RDE Evaluations Ltd.

SGS Metcon/KD Engineering

Boart Longyear Company

DeConcini McDonald Yetwin & Lacy, P.C.

Golder Associates

Lowell Copper Ltd.

Mineral Park Mine

Mountain States R&D International, Inc.

Ruen Drilling Incorporated

Tetra Tech

All members and guests who have not yet reserved their seats for the 31st Awards Banquet at JW Marriott Starr Pass, December 7, need to complete the form below and forward it to the MFSW by November 22, 2013.

REGISTRATION

NAME _____
 COMPANY _____
 ADDRESS _____
 CITY _____ STATE _____ ZIP _____
 PHONE _____ EMAIL _____
 SPONSOR OR GUEST NAME(S) _____

REGISTRATION FEE

SPONSOR A STUDENT _____ X \$240 = \$ _____
 INDIVIDUAL SEATS _____ X \$240 = \$ _____
 MEMBER SEATS _____ X \$195 = \$ _____
 NO. OF TABLES (10) _____ X \$2,400 = \$ _____

CHOICE OF ENTRÉE

BEEF () CHICKEN () FISH () VEGETARIAN ()

PAYMENT

___ AMERICAN EXPRESS ___ DISCOVER
 ___ MASTERCARD ___ VISA
 ___ CHECK OR MONEY ORDER
 EXPIRATION DATE _____ SECURITY CODE _____
 CARD NUMBER _____
 SIGNATURE _____

Various links are listed below to facilitate registration for the Mining Weekend on December 6-9.

SME Arizona Conference registration

<http://www.smenet.org/public/Core/Events/eventdetails.aspx?iKey=AZ2013&TemplateType=A>

Diggers & Duffers Golf Tournament hosted by UA SME Students

<http://diggersandduffers.eventbrite.com/>

JW Marriott hotel registration

<https://resweb.passkey.com/go/SMEArizonaConference2013>

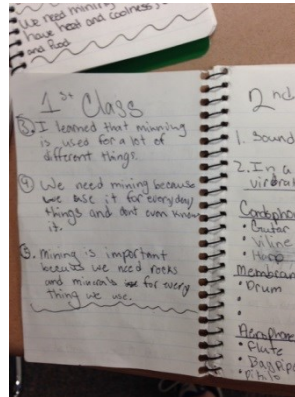
OUTREACH CORNER by Pam Wilkinson

MFSW Outreach Coordinator Activities: October-November 2013

School visits have been very successful this year, with repeat visits at 14 schools and 2 new schools. I also had the opportunity to participate in Imagine STEM with the Girl Scouts of America in Casa Grande. This provided me with the opportunity to present to over 300, 7-8 grade girls in three middle schools. This will also lead to presentations in classrooms at those middle schools. The chart below details the schools and students visited in late September through November, with over 2500 students, 23 teachers participating in presentations and activities.



Bird seed activity in Casa Grande



Journal entry from Casa Grande event

School	City	Students	Adults	Date
Blue Ridge Jr. Hi.	Pinetop	96	1	9/25/2013
Sequoia Village HS	Linden	15	1	9/26/2013
Utterback	Tucson	108	1	9/30/2013
Booth Fickett	Tucson	71	1	10/1/2013
Westwing Elem.	Peoria	132	1	10/7/2013
Parkridge Elem.	Peoria	238	2	10/8-9/2013
Bogle Jr Hi	Chandler	50	1	10/16/2013
Aprende MS	Ahwatukee	115	1	10/18/2013
Show Low Jr Hi	Show Low	220	2	10/21-22/2013
Mogollon Jr HI	Heber	70	1	10/24/2013
Mogollon HS	Heber	106	1	10/23/2013
Park MS	Phoenix	130	1	10/31/2013
Boogle Jr Hi	Chandler	126	1	10/30/2013
Pinnacle HS	Scottsdale	410	4	11/4-6/2013
Desert Shadows MS	Nogales	240	2	11/12-13/2013
Desert Shadows MS	Scottsdale	376	2	11/18-19/2013

I received some amazing thank you notes from a new middle school I visited this year, following is just one example. The student is in the seventh grade. This is a great example of how the support you provide me with is having a positive impact on the students I see.

Dear Mrs. Wilkinson,

Thank you so much for taking the time to come and teach our class about mining. I learned that mining is safety-based, and that the materials found in mines are essential in our lives today. Mining companies also pay attention to the impacts that their digging have on the environment. My favorite part of the mining activity was digging the "minerals" out of the birdseed. I enjoyed learning about mining and its importance, as well as mining engineering. Thank you for teaching my class and I about the science of mining.

Sincerely,



IN MEMORIAM

Walter E. Heinrichs, Jr. January 16, 1919 — October 10, 2013



Walter E. Heinrichs, an esteemed Honorary Board Member passed away after a brief illness. Heinrichs attended high school in the Philippines and was a graduate of the Colorado School of Mines majoring in Geological Engineering with a concentration in Geophysics.

Heinrichs was a lifelong mining industry advocate and a co-discoverer of Pima Mine in the early 1950s, now part of the ASARCO Mission complex. In 1958, he co-founded Heinrichs GEOEXploration Co. with his brother and dedicated his career in search of major metallic ore deposits worldwide.

In addition to being a founding member of the MFSW, Heinrichs was also a member of the American Institute of Mining, Metallurgical and Petroleum Engineers, Arizona Department of Mineral Resources, and was a life member of the Arizona Geological Society and the American Institute of Professional Geologists. Heinrichs was the recipient of the 1993

Medal of Merit Award from the MFSW and the 2001 Ben F. Dickerson Award from the Society of Mining, Metallurgy and Exploration in recognition of his professionalism and contributions to the mining industry.

RECOGNITIONS

BOARD MEMBERS NOMINATED FOR INTERNATIONAL MINING TECHNOLOGY HALL OF FAME

Judges from around the world representing various mining sectors have identified nominees, submitted since May 2013, for induction into the International Mining Technology Hall of Fame to be held in Salt Lake City on February 22, 2014. Further deliberations to select the 2014 winners are underway and will be announced in the near future. Kudos to three of our current board members for being recognized for their leadership in pushing the boundaries of innovation and research, always in the forefront in bringing new solutions to their respective fields.

Mining Software: A. Frederick Banfield

Surface Mining: Mark Baker and James Wm. White

MEMBERS' CORNER



New Board Member—Nyal James Niemuth

MFSW wishes to extend a warm welcome to our new Board Member, Nyal James Niemuth, to replace the venerable Albert Perry and serve out the remainder of Perry's term expiring February, 2015. Niemuth was a Graduate of the University of Wisconsin and currently serves as Chief, Economic Geology Section, Arizona Geological Survey. Niemuth is a member of numerous professional organizations and has authored and co-authored many journal publications. He is also the recipient of the 2010 American Mining Hall of Fame Medal of Merit Award.

2014 Membership Renewals

A membership renewal form is attached for those wishing to renew their 2014 membership before year-end.

Happy Thanksgiving

