



MINING FOUNDATION OF THE SOUTHWEST

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CONCENTRATES

Moving Ahead...by Mark Baker, MFSW President

We are continuing to move forward in a positive direction. Last year's Hall of Fame Committee team, led by John Broderick, did an excellent job. The banquet was another astounding success with over 460 attendees and \$86,762 in profit. The feedback by attendees confirmed the Foundation was on the right path and the event is now something they look forward to attending.

The website, under Cori Hoag's tutelage, is now up and running and looks great! The ability to pay dues and event costs are now available on-line making it easier for our members and donors. For those of you that were unfortunately unable to make the annual fundraiser banquet, you may access the tribute videos from appropriate links on our new website: <http://www.miningfoundationsw.org> or access the links provided on page 7 of this newsletter.

Our strategic planning initiative, moderated by Marian LaLonde, is looking good. We invite our members to participate in helping to move forward with execution of several identified initiatives in 2015.

We look forward to seeing you at the annual meeting scheduled for February 11 at Mintec Headquarters.



Thank you 2014 Awards Banquet & Fundraiser Sponsors

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Lowell Copper Ltd.
MWH Global
Rio Tinto Kennecott
Tetra Tech

SEEN AND HEARD AT THE 32ND AMERICAN MINING HALL OF FAME AWARDS BANQUET



Inductee Fred Banfield flanked by Susan Wick & Eileen Fitmaurice



Empire SW President Jeff Whiteman with his wife Holly



Rio Tinto Kennecott employees with Special Citation Plaque



Medal of Merit honorees Corale & Jim Brierley with John Broderick—2014 Hall of Fame Committee Chair



Medal of Merit under 40 honoree Scott Shields with parents Ron & Karen



Some of the Board of Governors at the Awards Banquet



Medal of Merit honoree Dave Nicholas with employees of CALL & NICHOLAS



Roshan Bhappu (2006 Medal of Merit honoree) with son and Edith & David Lowell (1994 Medal of Merit honoree & 2002 inductee)



Student table sponsored by FMI-Sierrita Operations



Governor Will Wilkinson with Outreach Coordinator Pam Wilkinson

Ron and Karen Shields were beaming with pride as they witnessed their son Scott receiving the 2014 Medal of Merit under 40 Award.

Anissa Beemer, wife of Brett Beemer, MineSight's Chief Financial Officer and Head of Human Resources, was the lucky winner of the 50,000 Marriott points.

Lucky guests were delighted to discover the hidden Hoover Coin under their seats, compliments of Barbara and Bill Hawes.

Matthew Lengerich, our inaugural Medal of Merit under 40 recipient, now General Manager of Mining at Rio Tinto Kennecott Bingham Canyon Mine, accepted the Special Citation in behalf of all employees associated with the impressive recovery effort of the 165 million-ton Manefay slide—the largest slide ever recorded.

University of Arizona faculty and students were well represented. Our sincere thanks to Atlas Copco, Cori Hoag & Kevin Horstman, Curpric Canyon Capital, Fenn Consulting, Freeport-McMoran Inc., M3 Engineering, Resource Evaluation and Truly Nolen for sponsoring student participation at the banquet.

OUTREACH CORNER by Pam Wilkinson

MFSW Outreach Coordinator Activities: December 2014 – January 2015

The first semester of school year 2014-15 finished strong. I managed to reach 5900 students during this time: more students than were reached the entire school year 2009-10. Evidently the word is out and the program is meeting with great success. The chart below shows the schools and numbers for mid-November-early January. The spring calendar still has some open dates, but they will be filled shortly, I am certain.

School	City	Students	Adults	Date
Desert Shadows MS	Scottsdale	394	2	11/12-13/2014
Highland Lakes MS	Glendale	45	1	11/14/2014
Sequoia Village School	Linden	20	1	11/18/2014
Show Low MS	Show Low	210	2	11/18-19/2014
Mogollon MS & HS	Heber	105	2	11/20/2014
Newell Barney MS	Queen Creek	358	2	12/1-2/2014
Sonoran Trails MS	Cave Creek	155	1	12/4/2014
Western Peaks Elem.	Surprise	142	1	12/5/2014
Great Expectations Academy	Sahuarita	30	1	12/8/2014
Aprنده MS	Chandler	115	1	12/9/2014
Sonoran Trails MS	Cave Creek	242	2	12/10-11/2014
Santa Maria MS	Buckeye	225	2	12/15-16/2014
Centennial MS	Awhatukee	115	1	12/17/2014
West Park Elem.	Buckeye	80	1	12/18/2014
Magee MS	Tucson	152	1	1/8/2015
Bourgade Catholic HS	Phoenix	88	1	1/12-13/2015
Phoenix Country Day School	Phoenix	70	1	1/15-16/2015
Total		2546	23	

Work as chairman of the Minerals Education Coalition is keeping me busy also, as I prepare my talk for the annual meeting and prepare to lead the committee at its meeting in February. The committee is currently committed to evaluating K-12 minerals/mining education materials that are available. The goal is to identify the best of these and host them on the MEC website. Then to identify what seems to be lacking in K-12 education and create materials that address that need. I am very pleased with the progress the committee is making and am happy to be involved with it. If you are attending the annual SME meeting in Denver, I encourage you to attend the MEC technical session, Monday, February 16th 2-4 pm. and also the committee meeting Wednesday, February 18th 1-4 pm. And don't forget that the SME student chapter from the U of A is being awarded the MEC student chapter award again this year, in part because of my working with them and encouraging them to reach out to K-12 students. Come see them at the technical session and the awards banquet and congratulate them on their outstanding achievement.

OUTREACH CORNER Cont.

I was invited and attended the first ever Mining and Metallurgical Society of America (MMSA) retreat in Las Vegas on January 10th. They are in the process of updating their constitution and bylaws and taking a look at how they determine where and how to distribute their donation monies. They have been a big supporter of Mii/MEC over the years and will continue their support there for this next year. And they have provided my program with \$10,000 this year. But they, like most organizations, are now asking for more information regarding how and where the money they donate is being spent. So my challenge is to determine how best to use these funds. If you have any ideas or recommendations you would like to share with me, please don't hesitate to do so.



Pam and the traveling museum



Birdseed mining at Magee Middle School, Tucson

Thank you again for your continued support and I look forward to seeing many of you at the annual meeting.

Annual Meeting

When: Wednesday, 2/11/2015

Where: Mintec Headquarters

3544 E. Fort Lowell

Tucson, AZ 85716

Time: Reception—3:00pm

General Meeting—3:30pm

Light refreshments will be served. Please rsvp to admin@miningfoundationsw.org or call 520-577-7519.

MEMBERS' CORNER

NEW MEMBERS

Bill Warfield—Business Development & Marketing-URE, Atlas Copco

Warfield is a graduate of the Colorado School of Mines and has worked for Utah Construction and Mining, Jarva Inc., Thyssen Mining Corporation, Strohm Equipment, Ingersoll-Rand before joining Atlas Copco. He is a board member of the Colorado School of Mines Alumni Association, SME M&E Past Chair, SME Distinguished Member, Corporate Representative to Beavers, Member of Moles, Deep Foundation Institute.

Jeremy Collyard—Supervising Environmental Scientist & Project Manager, MWH

Collyard is a graduate of the University of Montana in Forest Resource Management with an emphasis on Restoration Ecology. He manages environmental monitoring programs, permitting and compliance projects and reviews including Phases I and II EIS as well as remediation evaluations for mining and industrial clients. His background includes over 10 years of experience in mining and multi-disciplinary environmental projects and has managed various projects including Arizona WQARF sites and USEPA CERCLA sites. Additionally, has has experience in data collection and analysis of ground and surface water to support geo-chemical investigations with extensive background with ArcMap, H2Omap, SWMM, Rosgen classification and bioremediation and restoration techniques and theory.

Patrick Merrin—Vice President , Arizona Business Unit, Hudbay Minerals

Merrin earned his undergraduate degree in Chemical Engineering from McGill University and his MBA from the University of Toronto and has been a member of Professional Engineers of Ontario since 1997. He is responsible for Hudbay's strategic initiatives in the region and development of the Rosemont copper project and for managing human and capital resources and ensuring corporate standards are met in environmental management, health and safety performance, community relations and identifying growth opportunities for Hudbay in the western US. Merrin has assumed progressively senior roles at Hudbay and at other mining and metals companies including Xstrata Nickel, Lucas Milhaupt and Adex Mining.

ANNUAL MEMBERSHIP NOW DUE

Our revised and updated website now provides comprehensive information on Outreach, Education Support and Publications in addition to offering dossiers on past Inductees, newsletters and awards programs etc. If you have not renewed your 2015 membership, please sign on to <http://miningfoundationofthesouthwest.wildapricot.org/join>. Those who prefer to renew membership by checks should continue to forward payment to P.O. Box 42317, Tucson, AZ 85733.

MEMBERS' CORNER, cont.

NEWS

Effective 10/1/2014, Lawrence G. (Larry) Dykers and Robert A. (Bob) Metz, both past Presidents of the MFSW resigned their positions as Officers and Directors and have severed all relations with United Mines, Inc., Oro Valley, AZ. Both Dykers and Metz have accepted positions with Professional Minerals Development LLC, an Arizona corporation based in Tucson, AZ. PMD is an operating subsidiary of Tri Minerals Holding Corp (TMH), a newly formed Arizona corporation which, pursuant to a court supervised settlement agreement, was awarded from United Mines, Inc. significant precious-and base metal properties and assets in southern Arizona. Metz is Chairman, President, Senior VP (Exploration) and Director of PMD. Dykers, a Director, has been named CEO and Senior VP (Mining) and both are also Officers of TMH. PMD and its associates offer consulting services to the mining and mineral industries with initial focus on exploration and development of the southern Arizona properties and acquisition/exploration of others in the region.

REQUESTS

Hall of Fame committee members face challenges each year trying to locate pictures of honorees from Mining's Past and would like to request anyone with access to those named for the 2015 slate to contact Bill Hawes (hardrockhawes@msn.com) or the MFSW office when slate is announced later this year. Further, committee is now accepting nominations for Medal of Merit under 40 and the form is attached for your convenience.

LINKS TO 2014 HALL OF FAME HONOREE TRIBUTE VIDEOS

Welcome-Mission-Education Outreach Sponsors: <https://www.youtube.com/watch?v=iYrIQdPNcV8>

2014 Inductee—A. Fred Banfield: <https://www.youtube.com/watch?v=Y76GEL73vfl>

2014 Honorees from Mining 's Past: <https://www.youtube.com/watch?v=5k2IA6akcZE>

2014 Medal of Merit—Corale & James Brierley: https://www.youtube.com/watch?v=K4LXWoyE_Cg

2014 Medal of Merit—David E. Nicholas: https://www.youtube.com/watch?v=By_Zu2ujHJk

2014 Medal of Merit—Scott Shields: https://www.youtube.com/watch?v=M_7DRKc-1Oo

2014 Industry Partner—Empire Southwest : <https://www.youtube.com/watch?v=E3Imp-ONIA4>

2014 Special Citation—Employees of Rio Tinto Kennecott: <https://www.youtube.com/watch?v=-BWHwx0GDRQ>

2014 Awards Banquet Photo link: <http://www.photorelect.com/store/store.aspx?p=20707>

MEMBERS' CORNER, cont.

IN MEMORIAM

P.K. Rana Medhi

Medhi was an ardent supporter and former Board of Governor. He served as Chairman of the Board of Governors of the Department of the Arizona Department of Mines and Mineral Resources, now known as the Arizona Geological Survey, was adjunct professor of Geology at Central Arizona College and was a former member of the Casa Grande Library Advisory Board. He was a mining industry specialist with over 40 years of domestic and international mining industry experience and a solid academic background, held various senior level technical and management positions ranging from serving as General Manager, Engineering, Safety & Environment, P&L, Budget, Sales and Marketing. Medhi passed away on November 4, 2014 in Casa Grande, AZ.



Ruth Kessler

Kessler, a long time Tucson resident, passed away on November 7, 2014. She was a pioneer working in Advertising, Radio/TV where she hosted her own women's interest show. She was the first Manager of the Mining Club of the Southwest founded in 1971 and remained in that capacity for the next 15 years. More recently, she was a community volunteer and worked tirelessly for the Interfaith Community Services of Tucson.

CALENDAR

MFSW Annual Meeting—February 11, 2015

Mintec Headquarters
3544 E. Ft. Lowell
Tucson, AZ 85716

SME Foundation Annual Gala—February 15, 2015

SME Annual Conference & Expo— February 15 to 18, 2015

Hyatt Regency Hotel
Denver, CO

<http://www.smeannualconference.com>

International Mining Technology Hall of Fame Award Dinner—February 16, 2015

Brown Palace Hotel
Denver, CO

<http://www.im-halloffame.com/event-details/register-book-now/>