

# CONCENTRATES

## **2014 INDUSTRY PARTNERSHIP AWARD RECIPIENT**

Empire Southwest is a family owned company founded in 1950 as Empire Machinery, an Eastern Oregon Caterpillar and John Deere dealership by Jack Whiteman. The name Empire originated from an area of the Pacific Northwest called the Inland Empire. However, when Jack was awarded Caterpillar's Arizona territory in 1959, he moved the company to Phoenix and began building partnerships with Arizona's mining and construction industries.

John O. Whiteman succeeded his father as CEO in the mid-1990s. Under John's leadership, Empire focused on customer service, encouraged community involvement among its employees, established the official Corporate Values and celebrated its 50th anniversary.

Third generation President and CEO Jeff Whiteman took the company reins in early 2002. He has led the company through the economic uncertainties following 9/11 and in 2008-2010 and through times of tremendous opportunity and growth. In addition to being a strong advocate for Empire's Values, Jeff has also instituted the 6 Sigma process improvement model and renewed Empire's commitment to supporting its clients, communities and employees. Under Jeff's direction, Empire continually ranks among the top Caterpillar dealers in the world. The company has more than 1,600 employees in a territory that includes the state of Arizona, southeastern California and portions of northern Mexico.

Mining makes up 40% of Empire's total market percentage and includes dedicated support for over 15 mine sites throughout Arizona, California and Mexico. Several of these sites are consistently awarded zero injury safety achievements and high client loyalty rankings in Caterpillar's Dealer Excellence program.

Empire's experienced mining support team is responsible for the sales and support of CAT and other allied products used in coal and metals mining applications. With the recent acquisition of Bucyrus by Caterpillar, the product line has been greatly expanded and includes everything from draglines and rope shovels, to skid steer loaders and small utility dozers.

Empire's goal is to provide mine-specific product and service solutions that help clients improve productivity, enhance safety, increase efficiency and lower cost per ton. Empire is proud to serve as an active partner in the mining industry and to support the efforts of their mining clients and the communities they serve.





In April 2013, the Bingham Canyon Mine experienced the largest mining landslide ever recorded. The 165-million-ton slide was a defining moment in Rio Tinto Kennecott's history.

Kennecott's single biggest achievement is that they detected, monitored and acted prior to the slide to ensure that no employees were injured.

With a primary goal of getting back to safely producing copper and recovering the business, employees were asked to rise to the occasion. Employees from across the operation responded in a singular effort to safely advance recover efforts.

To date, numerous achievements have been realized following the slide:

- Millions of tons of material have been moved to stabilize the slide area.
- Damaged buildings have been removed from the slide zone.
- Operations resumed 48 hours following the slide in non-impacted areas.
- Sixteen pieces of large equipment have been recovered, including 10 of the 13 haul trucks. Four of the recovered haul trucks are back in service.
- The mine access road was reopened and restored top-to-bottom access within the mine seven months ahead of schedule.
- Valuable components and equipment continue to be recovered from the slide area.

Kennecott has made significant progress since the slide, and it anticipates cleanup efforts will be completed by the end of 2015.

# **RioTinto** Kennecott

#### PLEASE COMPLETE REGISTRATION FORM FOR THE

32nd American Mining Hall of Fame Awards Banquet & Fundraiser

### **DECEMBER 6, 2014**

JW MARRIOTT STARR PASS RESORT & SPA, TUCSON, AZ

Please note that only members in good standing are extended member discount.

All members and guests who have not yet reserved their seats for the 32nd Awards Ban-						
quet at JW Marriott Starr Pass on December 6th, need to complete the form below and						
forward it to the MFSW by November 15, 2014.						
REGISTRATION						
NAME						
COMPNY						
ADDRESS						
CITY	STATEZIP					
PHONE	EMAIL					
REGISTRATION FEE						
SPONSOR A STUDENT	X \$250 = \$	_				
INDIVIDUAL SEAT	X \$250 = \$	_				
MEMBER SEAT	X \$200 = \$	_				
NO. OF TABLES (10)	X \$2,500 = \$	_				
	CHOICE C	OF ENTRÉE				
	BEEF() CHICKEN()	FISH ( ) VEGETARIAN ( )				
PAYMENT						
AMERICAN EXPRESS	DISCOVER					
MASTERCARD	VISA					
CHECK OR MONEY OR	DER					
EXPIRATION DATE	SECURITY CODE					
CARD NUMBER						
SIGNATURE						

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### **OUTREACH CORNER by Pam Wilkinson**

Mid-September through mid-November has been consumed by school visits, over 2600 students and 24 teachers have participated in mining presentations and activities. My program is completely booked between now and the Christmas holidays. Bookings for the spring semester are well underway and it looks to be a record year if bookings continue at this pace. I am pleased to say that there has been an increase in the number of high school visits and this is leading to more interest in students considering mining engineering as their chosen field of study. I have had several students request my business card and I hope to find them applying for entrance to the College of Engineering at the University of Arizona.

School	City	Stu- dents	Adults	Date
Blue Ridge Jr Hi	Pinetop	80	1	9/24/2014
Ironwood Ridge HS	Oro Valley	140	1	9/26/2014
Marana HS	Marana	70	3	9/30/2014
Pistor MS	Tucson	125	1	10/2/2014
Mountainside MS	Scottsdale	132	1	10/6/2014
Boulder Creek HS	Anthem	200	1	10/7/2014
Coyote Hills Elem.	Peoria	100	2	10/15/2014
Fairfax HS	Laveen	130	1	10/17/2014
South Valley Jr Hi	Gilbert	576	3	10/20-22/2014
Arcadia HS	Phoenix	259	2	10/23-24/2014
Sierra 2-8	Tucson	203	2	10/28,30/2014
Sts. Peter & Paul MS	Tucson	40	1	10/29/2014
Phoenix Union Bioscience HS	Phoenix	50	1	11/3/2014
Pinnacle HS	Scottsdale	446	3	11/4-5/2014
Veritas MS	Phoenix	100	1	11/7/2014
total			24	

I am proud to report that the U of A Student Chapter of SME has made a clean sweep of SME awards: best overall chapter, Minerals Education Coalition student chapter award and the new International K-12 outreach challenge award. It is very rewarding to see them achieve such success. I have had some influence on their outreach program, and they have also assisted me in my outreach. To read the details of the awards, go to: <a href="http://news.engr.arizona.edu/news/it's-official-ua-mining-society-chapter-winningest-team">http://news.engr.arizona.edu/news/it's-official-ua-mining-society-chapter-winningest-team</a>.

I had the opportunity to present to a Boy Scout troop (21 scouts) that will be participating in the upcoming Mining in Society merit badge workshop. They had a wonderful time exploring my traveling workshop and learning that everything we do needs mining. Unfortunately I neglected to photograph the event, please look for photos from upcoming events in the next report. I look forward to seeing all of you at the Mining Hall of Fame Banquet on December 6, 2014.

#### **NEW MEMBER**

#### Nathalie Legare — Drill & Blast Engineer, Capstone Mining

Legare is a graduate of the Universite du Quebec a Chicoutimi, Canada obtaining her B.S. in Geological Engineering in 1999 and her M. S. in Applied Science in 2002. She began her career working as a slope stability engineer and mine engineer for Phelps Dodge in Morenci, then for Freeport-McMoRan as a blast engineer at Climax, Colorado before joing Capstone in her current capacity.

#### Bahram Sameti PMP — R&D Director, Motion Metrics International Corp

Sameti earned his Master degree in Systems Design Engineering from the University of Waterloo and his Ph.D. in Electrical and Computer Engineering from the University of British Columbia. He specializes in image and vision processing and has worked in various industries including mining, medical imaging and automotive robotic vision.

#### Shahram Tafazoli — Founder, President & CEO, Motion Metrics International Corp

Tafazoli earned his Ph.D. from the Electrical and Computer Engineering Department of the University of British Columbia. Motion Metrics is a technology company based in Vancouver, Canada, with emphasis in robotics, image processing and embedded machine vision to the mining and quarry industries. Today, the company is one of the leading providers of machine-vision and sensor based monitoring solutions to open-pit mines around the world.

#### RECOGNITION

#### James Wm. White

White, Chairman and Founder of Modular Mining Systems, will be inducted into the International Mining Technology Hall of Fame in the surface load and haul category at the gala dinner at the Brown Palace Hotel in Denver on February 16. Founded in 1979, Modular revolutionized the way mines work in real time with the release of DISPATCH Fleet Management System. Modular's first customer, the Phelps Dodge Corp, now Freeport-McMoRan, installed the DISPATCH system at its Tyrone mine and soon after reported an unprecedented 11% increase in productivity. Over the years, Modular has continued to focus on innovation and has developed other systems to complement DISPATCH. Together these products successfully address the areas of operations, planning, maintenance and safety.

White is a valuable MFSW advisor, has served as Hall of Fame Chair and President and was also the 2003 Medal of Merit recipient.





#### **IN MEMORIAM**

#### **David C. Ridinger**

Ridinger received his Mining Engineering degree from the South Dakota School of Mines and an AMP from Harvard University. He started his mining career at El Teniente in Chile and later worked for Newmont in New York and Arizona and eventually became President of Magma Copper Company. For 5 years Ridinger was a board member of the Arizona Department of Mine & Mineral Resources, now known as the Arizona Geological Survey.

#### CALENDAR

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/

