

ARIZONA MINING HALL OF FAME

On December 3, 1994, in Tucson, the following people were inducted into the Arizona Mining Hall of Fame:

- J. Burgess Winter, for his career in the copper industry
- Dr. Joseph A. Holmes, for his work in mine safety.
- Nellie Cashman, for her contributions to miners' welfare

Medals of Merit were awarded to:

- J. David Lowell, for geological resolution of porphyry copper deposits
- Ronald R. Swanson and Donnell W. Agers, for contributions to solvent extraction of copper

Special recognition was given to:

- Senator Dennis DeConcini, for political contribution to Arizona mining

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NEW FILE COLLECTIONS

Two significant collections have recently been added to ADMMR's mining archives. In October the Department received from his heirs the files of Ronald Mulchay, chief geologist at Cananea for Anaconda Mining Company. Three four-drawer file cabinets and a similar volume of bankers boxes contains data on economic geology and historical information covering Mulchay's professional career during the mid 1920s to the 1980s. It includes an extensive amount of published and unpublished data on intrusive breccias associated with porphyry copper deposits. This research includes many of Mulchay's personal observations and conclusions. Many handwritten, fieldnotes, cross sections, drill hole maps, geological sketches, and interpretations are included. This donation is currently being catalogued and should be available for public inspection during the first quarter of 1995.

MINING

ADEQ BADCT GUIDANCE REWRITE GROUP

A one-day session was held to finish rewriting the BADCT (Best Available Demonstrated Control Technology) guidance documents. In the preceding months the Department of Environmental Quality (DEQ) took the original rewrite that was developed by the full committee and added a large section that had been developed by their staff. This new work included many items that had not been discussed in the original meetings. If accepted by DEQ, the new document will contain many requirements that will be more stringent than the previous versions.

GSPED

The Governors Strategic Planning Committee for Economic Development, GSPED, met in Scottsdale to discuss what government can do to support economic development in Arizona. The consensus of those present indicated that government should try to develop in the following areas:

- Expansion and integration of the information and communication network into all communities, businesses, libraries, schools and medical facilities statewide.
- Escalation of Arizona's opportunities to participate in international trade through: 1. Improving North-South Highway routes between Canada and Mexico. 2. Encouraging development of Guaymas deep water port and facilities. 3. Encouraging unified port management by federal agencies at borders.
- Develop state-wide transportation and distribution.
- Improve and Reform state education financing system.

New ADMMR Publication

ACTIVE MINES IN ARIZONA - 1995
Directory 43, Phillips, K.A., Niemuth, N.J.,
and Bain, D., 1995, 25 p.

This directory, available after February 1, lists company name, address, key personnel, mine name, and location of the mining companies active ADMMR in Arizona. Sand and gravel operations are also included. A 1:1,000,000 scale map shows locations of metal mines, non-metal mines, and company offices and plants. Available by mail for \$5.50 or at ADMMR for \$4.00.



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Reform regulatory measures by:

- Streamline or eliminate regulatory impediments of economic development.
- Allow transition of information and communication infrastructure network.
- Encourage wheeling of wholesale electric power into Mexico.
- Adaption of tax reform package through simplification and equalization.

General Rural Initiatives

- Improve rural health through hospital regulation.
- Provide low interest, accessible financing for rural businesses.
- Improve educational opportunities and programs in usual areas.
- Develop a system for financing rural infrastructure.

General Economic Development issues to improve rural business

- Extension and increased funding of job training program.
- Funding of programs to provide financing in the \$25,000 to \$100,000 range.
- Reduce and eliminate personal property tax on businesses.
- Provide state funding for the Arizona Technology Development Authority
- Endorse recommendations from Film Industry Task Force.
- Create an HRM plan and funding for a Disparity study.

BACK FILL OR COMPENSATE

The California Bureau of Land Management issued a Memorandum on November 30, 1994 (CA-95-32) declaring its intentions to establish a formal statewide policy regarding backfilling. The BLM intends to extract compensation for not reclaiming open pits and other areas created by mining operations. The memorandum, if not rescinded, requires backfilling of all open pits, prospect pits, shafts and other man made holes. If backfilling is impossible or not feasible the miner will be required to provide other compensation such as creating waterfowl habitat or developing guzzlers for wildlife. With this memorandum, the California BLM clearly intends to economically penalize miners. The problem is that the memorandum states that the compensation will be determined on a case-by-case basis, commensurate with the

PUBLICATIONS

Circular 53 Earth Science Clubs in Arizona, includes rockhound, lapidary and prospecting organizations.

Circular 54 Arizona Gem Shows 1994-95. Includes date, location, sponsoring group, and contact person for the gem shows in Arizona.

Circular 56 Annual Assessment Work Requirements Under Arizona Statute, 1994. An explanation of assessment work requirements written by John C. Lacy.

Circular 57 Arizona Mining Update - 1995. A review of current mining activity in Arizona. Includes gold, copper, uranium, gemstone, industrial mineral and coal activity.

Directory 43 Active Mines in Arizona - 1995. Available after February 1.

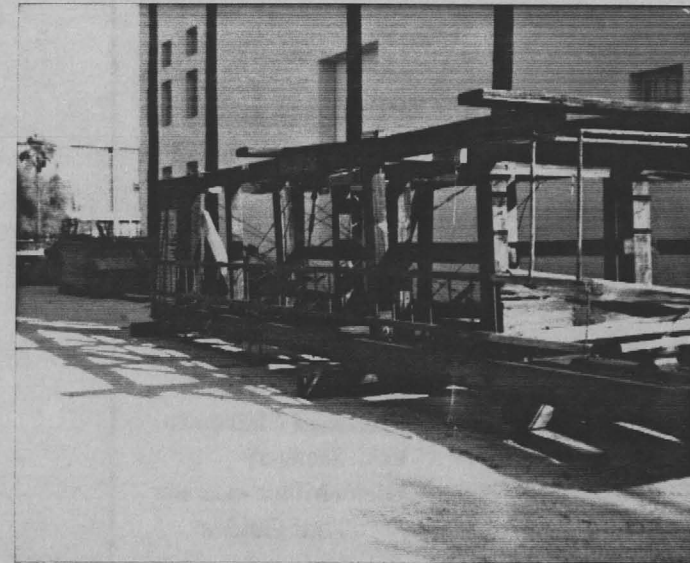
A complete list of publications is available upon request.

area left unreclaimed. There is no way of telling what these arbitrary reclamation costs will be.

BLM's Director acknowledged that additional disseminated gold deposit discoveries can be anticipated and declared that these discoveries would impact the public lands. To support his 'not-a-tax' decision, he suggested that the selection of non-backfill could be included, but should not be analyzed in the context of the anticipated profits of the project. How these costs would effect the profit or loss from mining was not discussed.

These policies come at a time when the BLM is recommending disposal of lands in some areas, while asking that the patent provisions be stricken from the 1872 Mining Law.

ADMMR solicites suggestions for this newsletter. Please let us know your areas of interest and what you would find useful.



One of the last surviving wooden headframes, built in 1917, lies waiting for assemble after being transported from Phelps Dodge's Boras mine in Bisbee.

MUSEUM NOTES**THE BORAS ARRIVES**

by Charlie Connel

At long last, the big day arrived! On November 1 of this year, and with the help of Phelps-Dodge, Arizona Public Service (APS) equipment and personnel, volunteers, ladders, cranes, bucket trucks, MCO personnel, grinders, welders, chains, bracing, cribbing timbers, and tractor-trailers, the Boras headframe and equipment started it's 200 mile journey to the Arizona Mining and Mineral Museum in Phoenix.

Packing up the Boras for its move was no small feat. The hoist weighs 19,600 lbs., two sheave wheels weigh 1,000 lbs. each, and a piece of the foreframe weighs 13,400 lbs. A 35-ton APS crane was required to lift and load the heavy parts. Each piece had to be braced or supported before it could be lifted and moved. The huge, timbered frames were laid down as gently as eggs. Two 40-ft. APS flat-bed trailer trucks were loaded and on

November 5 the trucks pulled out of Bisbee, headed for Phoenix. The convoy did not actually reach the museum until November 8 at about 3:00 p.m. On November 9 the trucks were unloaded and the headframe had reached its new home. There was still parts remaining in Bisbee, so on December 12th the Museum sent a rack truck to gather up the last of the items. On December 16, the last of the Boras arrived at the museum.

Now the headframe must be assembled and erected. The first stage will be to excavate the site and pour the concrete foundations for the "collar." Once a firm foundation has been constructed, the headframe will be restored a piece at a time, in the reverse order that it was dismantled. Each piece has been numbered and charted. Like a giant jigsaw puzzle, the pieces must all fit together just as they originally stood. The hoist must be mounted and the hoist house reconstructed. Finally, when everything has been put together, the cables will be pulled through the sheave wheels and the Boras headframe will stand - just as it once did over the Boras shaft in Bisbee.

The Arizona Department of Mines and Mineral Resources wishes to express sincere thanks to the people and organizations who have so selflessly given of time and materials that the Boras headframe might become a permanent feature at the museum.

Phelps Dodge Corporation:

John Zamar, Sam Sorich, Bob Bullard, David Pearce, John Carbajal, Ernie Jimenez, John McClain, Harry Metz, Joe Durrenberger, and Gene Bendixon

APS:

Keith W. Carpenter, Ronald L. Baade, Alex F. Boros, John C. Field, Arthur M. Hamrick Jr., Jerry R. Marlowe, Vidal B. Serna, Richard L. Camacho, and Perry G. Schafer

Pay Dirt:

Gary Dillard and Bill Eppler

The MCO Corp.:

William McKenzie and George McKenzie

Arizona Mining and Mineral Museum Supporters:
Morris Jackson, Ev Dixon, Charlie Connell, Glenn Miller, Doug Duffy, Mason Coggin, Jerry Ohlund, Frank Hendricks, and Gaston Fiorelli



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