



Seventh Annual

American

Mining Hall of Fame

Awards Presentation

and Banquet

December 2, 1989

The Westin La Paloma, Tucson, Arizona

Program

Reception* 6:00 p.m.

Banquet Dinner..... 7:00 p.m.

Ceremony..... 8:30 p.m.

Welcoming Remarks — Milton M. Evans

Introduction of Head Table and Other Honored Guests

Presentation of 1989 Medals of Merit — Dr. Ralph J. Roberts
Victor H. Verity, Esq.

Presentation of 1989 Inductees — William Boyce Thompson
Rossiter W. Raymond

Introduction of 1989 Recipient — G. Robert Durham

Featured Address — G. Robert Durham

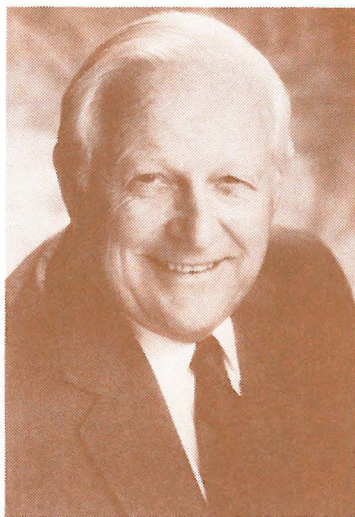
Adjournment

Sponsored by:

Mining Club of the Southwest Foundation, Inc.

* Hosted by: Henkel Corporation
Industrial Motor & Control, Inc.
M₃ Engineering & Tech
McBride Equipment Company
Mintec Inc.
Modular Mining Systems, Inc.

American Mining Hall of Fame



G. Robert Durham
1989 Recipient

G. Robert Durham graduated from Purdue University in 1951 and spent his early business career in the aluminum industry. He joined Phelps Dodge in 1967 when it acquired an aluminum products manufacturer of which he was President. Mr. Durham was elected Chairman of Phelps Dodge International Corporation in 1977; Vice President of Phelps Dodge Corporation in 1980; Senior Vice President in 1982; President and chief operation officer in 1985 and Chairman and President effective February 1, 1987. He retired from Phelps Dodge on May 3, 1989.

Mr. Durham serves as a director of Manufacturers Hanover Corporation and Manufacturers Hanover Trust Company and as a trustee of Mutual Life Insurance Company of New York. He is a former director of the U.S. Chamber of Commerce; Chairman of the Board of the Copper Development Association; Vice Chairman of the American Mining Congress; and member of the Executive Committee and Board of Directors of the International Copper Research Association, Inc.

The professional accomplishments of Mr. Durham's distinguished career have been recognized by the *Financial World's* 1987 award as the CEO of the Year and during 1988 The Copper Club's Copper Man-of-the-Year award as well as the Executive of the Year award from the University of Arizona for having made a significant contribution to the public and private sector of the economy. In August of 1988, he was honored as the Purdue University's Krannert Graduate School of Management's distinguished executive lecturer. In March 1989, he received a Silver Award from *Financial World* in its CEO of the Decade competition and was honored as the CEO of the Decade in the natural resources industry.

American Mining Hall of Fame

1989 Inductee



William Boyce Thompson
1869-1930

William Boyce Thompson, mining promoter, humanitarian, and naturalist, was born in Alder Gulch, Montana. Sent to an eastern prep school, he culminated his educational efforts with a short stay at the Columbia School of Mines.

In 1899, Thompson turned his efforts to promoting mining companies. These efforts began with the Shannon Mine near Clifton in 1904, after which he raised funds for the financing of the original 6,000-ton mill at Bingham Canyon and formed the Nevada Consolidated and Cumberland Ely Copper Companies. He founded Inspiration Consolidated Copper Company in 1908 and in 1916 brought Magma Copper Company to prominence. His early control of Texas Gulf Sulphur Company added immeasurably to that company's status. During 1916 he also created what was to become Newmont Mining Corporation as a holding company for his own ventures.

After World War I, he assisted in Herbert Hoover's Belgian War Relief and headed the American Red Cross' effort in its mission to Russia in 1917. In such a position he clearly saw and accurately forecast the course of the Russian Revolution. In Thompson's later years he directed his energies to the promotion of plant research that culminated in the Boyce Thompson Institute of Plant Research now on the campus of Cornell University and the Boyce Thompson Southwest Arboretum in Superior, Arizona.

American Mining Hall of Fame

1989 Inductee



Rossiter W. Raymond
1840-1918

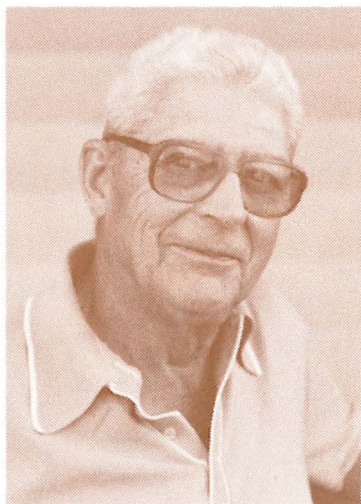
Rossiter W. Raymond was a preeminent publicist and educator who for 50 years was looked to as the dean of the mining profession in the United States at a time when the United States was emerging as a world leader in mining.

Raymond entered the Royal Mining Academy in Freiberg Saxony in 1857 and also attended Heidelberg and Munich Universities. During the Civil War, he served as an aide-de-camp to Maj. Gen. John C. Fremont and in 1868 was appointed as the United States Commissioner of Mineral Statistics. In that position, he provided valuable insight and advice to the United States Congress on the passage and implementation of the Mining Law of 1872. His lengthy analysis prepared for the United States Congress of "the relation of governments to mining" presenting in great detail the historical derivation of the mining law, together with other of his prolific writings, still serves as a valuable insight into the legal and historical basis of the United States Mining Laws. Between 1875 and 1895, he was a consulting engineer and in 1898 he entered the practice of law.

Raymond was one of the original members of the American Institute of Mining Engineers and held various offices including President from 1872 to 1875. In his position as Secretary between 1884 and 1911, he edited 40 volumes of the transactions and served as editor of the Engineering and Mining Journal from 1867 to 1890. His frequent contributions to both publications continue to provide a rich source of commentary on the formative years of the mineral industry.

American Mining Hall of Fame

1989 Medal of Merit Recipient



Ralph J. Roberts

Ralph J. Roberts obtained undergraduate and masters degrees from the University of Washington in geology and chemistry and was awarded a PhD. from Yale University in 1949.

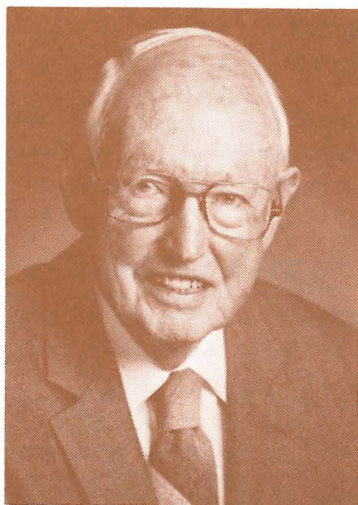
While working with the United States Geological Survey, Dr. Roberts is acknowledged to have been responsible for the development and definition of the Carlin mineral deposits in North Central Nevada by the publication of his paper on "*Alinements of mining districts in north central Nevada*" in 1960. Based on the theories set forth in this and others of Roberts' reports, there are now more than fifteen mines and promising prospects along the Carlin belt including gold reserves totaling more than 100 million ounces.

In 1971, Dr. Roberts assisted the Saudi Arabian government in identification of the ancient Mahd adh Dahahab gold mine (probably the historic King Solomon's Mine) and supervised exploration of the target which reserves in 1988 were estimated at a million tons of one-ounce of gold per ton.

After retiring from the USGS in 1981, Dr. Roberts has continued his career providing advice to numerous companies for projects within the Carlin belt. In 1985, he was awarded the distinguished service award by the United States Department of Interior for his contribution to understanding of controls of mineralization in north central Nevada and Saudi Arabia; in 1987 he was given the "man of the year" award by the Nevada Mining Association for his efforts and delineated the mineral belts in Nevada, and in 1989, the Geological Society of Nevada awarded Dr. Roberts its first honorary membership for his contributions to the structural and stratigraphic controls for deposits in Nevada and Utah.

American Mining Hall of Fame

1989 Medal of Merit Recipient



Victor H. Verity

Victor H. Verity was born in Seattle, Washington, in 1903. After graduation from the University of Arizona (BS Mining Engineering in 1927) he found employment with a Phelps Dodge Corporation subsidiary in Nacozari, Sonora, and during the depression found work driving the diversion tunnels at Hoover Dam. It was there he made the decision to study law, and graduated with a JD from the University of Arizona in 1936.

During Mr. Verity's distinguished legal career his guidance was widely sought regarding United States public land laws as well as the mineral development, tax and labor laws in Mexico. He was a selfless contributor to mining education through his frequent voluntary authorship of pamphlets for public agencies, including *"Laws and Regulations Governing Mineral Rights in Arizona"* (author of 1957 edition and either author or co-author of editions in 1959, 1965, 1970 and 1979), scholarly articles on *"Laws of Mexico"* and *"State Mineral Interests"* published in the *American Law of Mining* by the Rocky Mountain Mineral Law Foundation, frequent service to professional groups serving the mining industry including service as a member of the Arizona delegation to the Western Governors Mining Advisory Council (1962-1976), and contributed papers at the annual institutes of the Rocky Mountain Mineral Law Foundation. These efforts served as both inspiration to others and enhanced the esteem in which the legal profession was held.

Mr. Verity has long been an active participant in the Rocky Mountain Mineral Law Foundation and has been a trustee since 1965 and served as president in 1968-69. He is also a founding member of the Society of Mining Law Antiquarians.

American Mining Hall of Fame

1983 Recipient

George E. Atwood

1984 Recipient

Charles F. Barber

1985 Recipient

George B. Munroe

1986 Recipient

John C. Duncan

1987 Recipient

Plato Malozemoff

1988 Recipient

Simon D. Strauss

1983-1988 Inductees

Maxie L. Anderson
1934-1983

James Douglas
1837-1918

Charles F. Fogarty
1921-1981

Antoine M. Gaudin
1896-1974

William C. Greene
1853-1913

John C. Greenway
1872-1926

Hal W. Hardinge
1855-1943

Herbert C. Hoover
1874-1964

Daniel C. Jackling
1869-1956

Ira B. Joralemon
1884-1975

Henry Krumb
1875-1958

Waldemar Lindgren
1860-1939

Curtis H. Lindley
1850-1920

John William Mackay
1831-1901

Seeley W. Mudd
1861-1926

Robert H. Richards
1844-1945

Louis D. Ricketts
1859-1940

Reno H. Sales
1876-1969

Fred Searls, Jr.
1888-1968

Arthur F. Taggart
1884-1959

Mining Club of the Southwest

and

American Mining Hall of Fame

It could be said that a mining club in the southwest had its beginnings when the Spanish conquistadores came into the area with minerals on their minds and swapped ideas over a bottle of wine. For the last 100 years miners have talked about a place where they could get together. As copper production in the southwest grew and centered about Tucson, so did the need for a mining club.

The Mining Club of the Southwest, as it now exists, was spawned in late 1970 by a group of Tucson based engineers, metallurgists and geologists; opened its door officially on February 1, 1971; and was incorporated by the State of Arizona on February 22, 1971.

The Mining Club of the Southwest is governed by a group of 24 Board members who serve for a term of three years; one-third of which are elected at the annual meeting each year in February. The immediate past president acts as the 25th governor. Officers and committee chairmen are chosen from members of the Board.

Several allied groups use the Club meeting rooms regularly. Such groups are Southwestern Minerals Exploration Association, Arizona Prospector and Small Mine Operators Association, and Women in Mining. Many groups schedule occasional meetings in the Club quarters.

In the fall of 1981 the Mining Club of the Southwest sponsored the highly successful Second Mexican Mining Rail Excursion. Participants visited mines, mills and smelters throughout Mexico during the specially arranged two-week tour, and enjoyed unforgettable hospitality from their Mexican hosts.

Shortly thereafter, the MCSW Foundation was established to allow for tax deductible contributions to be used for charitable and educational purposes. On December 3, 1983, the American Mining Hall of Fame was inaugurated to honor significant contributors to the industry and profession, to provide a forum for better public understanding of the industry, and to raise funds to endow charitable and educational activities of the Foundation.

Currently the American Mining Hall of Fame may be visited at the headquarters of the Mining Club of the Southwest. Leading mining companies, members and friends have donated photographs, artifacts and mineral specimens which give the Club decor its unique flavor and appeal and adds to the authentic atmosphere.

1989 MCSW Officers

Milton M. Evans, *President*

Robert A. Metz, *First Vice President*

James D. Loghry, *Second Vice President*

Duane Pinter, *Third Vice President*

Dan Eyde, *Secretary-Treasurer*

1989 Hall of Fame Committee

Jack E. Thompson, *Chairman*

Milton M. Evans

Michael Greeley

Edmund N. Hannifin

Walter Heinrichs

Chris G. Janes

John C. Lacy

William C. Peters

R. Brantley Sudderth

