



Thirteenth Annual

**American
Mining Hall of Fame
Awards Presentation
and Banquet**

December 2, 1995

**Sponsored by
Mining Foundation of the Southwest**

The Westin La Paloma, Tucson, Arizona



PROGRAM

Reception 6:30 p.m.

Banquet Dinner 7:30 p.m.

Ceremony 9:00 p.m.

Welcoming Remarks: *Jack E. Thompson*

Introduction of Head Table
and Other Honored Guests: *Jack E. Thompson*

Awards Presentation: *Martin C. Kuhn*

Presentation of 1995 Inductees: Bert S. Butler
Presented by Walter E. Heinrichs, Jr.
Antonio Siraumea
Presented by John C. Lacy

Presentation of 1995 Medal of Merit: Warren Kay Pincock
Presented by Herbert E. Welhener

Presentation of 1995 Industry
Partnership Award: Glen A. Barton
Presented by Jack E. Thompson

Presentation of 1995 Recipient: Douglas C. Yearley
Presented by Martin C. Kuhn

Featured Address: *Douglas C. Yearley*

Adjournment: *Jack E. Thompson*



RECEPTION HOSTED BY

AGRA E & E

Bank One Arizona

BHP Minerals

Corrosion Technolgy

Cyprus Climax

Errol L. Montgomery & Associates

Homestake Mining

Industrial Compliance

Kennecott

Magma Copper Company

Modular Mining Systems, Inc.

The Park Company

Phelps Dodge Corporation

Pioneer Equipment, Inc.

Quadna

Sundt Corporation

U.S. Electric Motors

ASARCO Incorporated

Bechtel

Caterpillar, Inc.

Cutler Hammer & Westinghouse Products

Empire Machinery Company

Henkel Corporation

Independent Mining Consultants

Industrial Motor & Control, Inc.

M3 Engineering & Technology, Inc.

Mintec

P & H Mining Equipment

Peabody Coal

Phoenix Fuel

Purcell's Western Tire

Southwest Energy

TIC

Western States Engineering



MINING FOUNDATION OF THE SOUTHWEST

The goal and purpose of the Mining Foundation of the Southwest is to promote public understanding and education related to the mining industry. Toward this goal, the Foundation has several philanthropic activities which are funded by donations and fund-raising activities.

The Hall of Fame Awards Banquet serves a dual purpose in educating people about prominent persons associated with the mining industry, both present and past, and raising funds to continue the philanthropic projects of the Foundation.

The Mining Foundation of the Southwest was incorporated in 1993 with the combination of the Mining Club of the Southwest and the Mining Club of the Southwest Foundation. The Mining Club was started in 1971 and the Club's Foundation began in 1983 with the first American Mining Hall of Fame Awards.

The Hall of Fame honorees, both living and deceased, now number 55. The plaques which commemorate their induction are on display at the Arizona Historical Society's Museum at 949 East Second Street in Tucson.

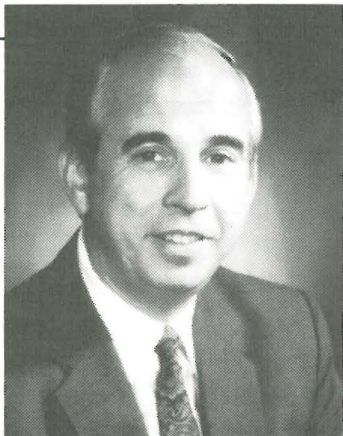


AMERICAN MINING HALL OF FAME

1995 RECIPIENT

DOUGLAS C. YEARLEY

Douglas C. Yearley was born in Oak Park, Illinois, in 1936, received his bachelor's degree in metallurgical engineering from Cornell University in 1958, and attended the Program for Management Development at Harvard Business School. He joined Phelps Dodge in 1960 as Director of Research and has held several key management positions during his 35-year career with the company. He was named Chairman and CEO in 1989, and assumed the additional responsibilities of President in 1991.



Mr. Yearley is recognized as one of the people responsible for the revival of Phelps Dodge during the 1980s and his industry leadership is exemplified by his efforts through the International Copper Association, which he currently chairs, to oversee research and development and the marketing of new long-term uses for copper.

Mr. Yearley was recognized as the Copper Man of the Year in 1993 and chairs the Mineral Resource Alliance. He is also active in a wide variety of civic and professional groups, and serves on the boards of several major corporations and charitable organizations.

Under Mr. Yearley's leadership, Phelps Dodge has expanded its resource base in the United States and abroad, and has capitalized on new technology allowing the company to become one of the lowest cost producers in the world.



AMERICAN MINING HALL OF FAME

1995 INDUCTEE

BERT S. BUTLER 1877-1960

Bert S. Butler was born in Gainsville, New York, in 1877, completed his undergraduate degree in geology at Cornell University in 1905 and masters degree in 1907, after which he joined the U.S. Geological Survey.

Dr. Butler's distinguished Survey career continued until 1927 and included studies of ore deposits of Utah, Michigan, the Southern Rocky Mountain region, and the Colorado Plateau. In 1927 Dr. Butler joined the faculty of the University of Arizona and the next year was awarded an honorary Doctor of Science degree by Colorado School of Mines. From 1931 to 1948 he was head of the University of Arizona Geology Department and became one of the deans of North American geology.

Dr. Butler was for 28 years the Associate Editor of *Economic Geology*, the Journal of the Society of Economic Geology, was its president in 1932, and in 1947 he received the Penrose Medal, the Society's highest award. Dr. Butler's name has a "starred" inclusion in *American Men of Science* and his bibliography includes over eighty citations. The true legacy is with Dr. Butler's students, contemporaries, friends, and associates, who all benefited greatly from the wisdom and experience of this superlative teacher-scientist.



AMERICAN MINING HALL OF FAME

1995 INDUCTEE

ANTONIO SIRAUMEA

1710?-1760?

Antonio Siraumea, a Yaqui, was likely a resident of the *ranchería* Arizonac, a *real*, or small mining camp at the edge of the northern frontier of the Spanish colonies of New Spain. In October, 1736, Siraumea found what appeared to be a number of massive pieces of native silver that were eventually determined to weigh in excess of two tons. This discovery, known as the *planchas* or *bolas de plata* brought a rush of miners from the established mining areas of Central Mexico to the *real*. Siraumea never profited from his find as the authorities officially declared the *planchas* to be the property of the King in 1741, but eventually gave him back six *arrobas* (approximately 150 pounds) in recognition of his find. The ultimate result was that the find continued to be referred as the “silver of Arizona” and the story of the Arizonac discovery was perpetuated. The name was soon applied to the mountain range and then the area itself, including the area of Southern Arizona acquired by the United States in the Gadsden Treaty. Beginning in the 1820s, the continuing rumors of the *planchas de plata* drew the first prospectors into Arizona and eventually gave Arizona its name.



AMERICAN MINING HALL OF FAME

1995 MEDAL OF MERIT RECIPIENT

WARREN KAY PINCOCK

Kay Pincock was born in Teton, Idaho. He graduated from the University of Idaho in 1944 and served in the United States Navy during both World War II and the Korean War. Between tours of duty, he worked as general mine foreman and chief engineer at the Bonanza Mine in Idaho, and in Bisbee, Arizona, for Phelps Dodge Corporation as a stope and ventilation engineer. In 1951, Mr. Pincock became chief pit engineer at the Lavender Pit for Phelps Dodge in Bisbee and was responsible for the feasibility, evaluation, and mining of one of the first large copper porphyry deposits.

Between 1965 and 1968, Mr. Pincock was general superintendent at the Molycorp Questa Mine in New Mexico, after which he began a consulting business in Tucson, Arizona. In 1972, Mr. Pincock founded the consulting firm of Pincock, Allen & Holt, Inc., which grew under his direction to establish a worldwide reputation providing technical direction for open pit mining and including projects on six of the seven world's continents in base and precious metals, as well as coal, uranium, and industrial minerals. Mr. Pincock retired in 1982 but continues to offer his expertise to the mining industry. He is currently a principal of the Minerals Advisory Group and a director of MINK Mineral Resources, Inc.



AMERICAN MINING HALL OF FAME

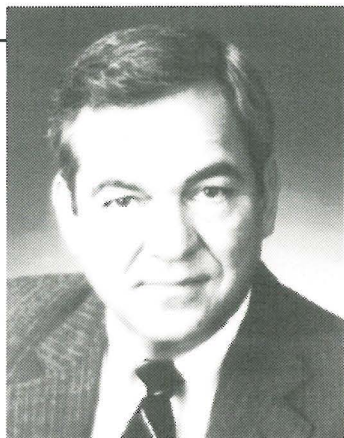
1995 INDUSTRY PARTNERSHIP AWARD

GLEN A. BARTON

Glen A. Barton was born in 1939 in Alton, Missouri, graduated in 1961 with a bachelor's degree in civil engineering from the University of Missouri-Columbia and then joined Caterpillar, Inc., as a trainee.

From 1964 to 1968 he served with Caterpillar Overseas in Switzerland and then became manager of South American Sales in 1972. In 1977 he was made manager of Caterpillar's Merchandising Division and completed Stanford University's Executive Program. From 1983 to 1986, he held various management positions and in 1987 became vice president of Caterpillar and president of their Solar Turbine subsidiary. In 1990 he became group president, responsible for Caterpillar's extensive line of earth moving, agricultural, and paving products equipment and marketing operations in Europe, Africa, Mideast, and Japan.

Mr. Barton is a member of several boards of directors, including INCO, Ltd., and National Mining Association. In 1996 he will be chairman of NMA's World Class MINEXPO Equipment Exhibition to be held in Las Vegas, Nevada. The essential and extensive synergistic partnership between the mining industry and Caterpillar, Inc., could not be better recognized than by honoring the career of Glen A. Barton.



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

1989 Recipient

G. Robert Durham

1990 Recipient

Harry M. Conger

1991 Recipient

Keneth J. Barr

1992 Recipient

T. S. Ary

1993 Recipient

Milton H. Ward

1994 Recipient

J. Burgess Winter

1983-1994 Inductees

Maxie L. Anderson

1934-1983

Nellie Cashman

1849-1925

Williams Andrews Clark

1839-1925

James Douglas

1837-1918

James Stuart Douglas

1868-1949

Charles F. Fogerty

1921-1981

Antoine M. Gaudin

1896-1974

Wesley P. Goss

1899-1985

William C. Greene

1853-1913

John C. Greenway

1872-1926

Meyer Guggenheim

1825-1905

Hal W. Hardinge

1855-1943

George Hearst

1820-1891

Joseph Austin Holmes

1859-1915

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

Charles Debrille Poston

1825-1902

Rossiter W. Raymond

1840-1918

Robert H. Richards

1844-1945

Thomas A. Rickard

1864-1953

Louis D. Ricketts

1859-1940

Reno H. Sales

1876-1969

Fred Searls, Jr.

1888-1968

Arthur F. Taggart

1884-1959

William Boyce Thompson

1869-1930

Arthur Redman Wilfley

1860-1927

Medal of Merit Recipients

Ralph J. Roberts, 1989

Victor H. Verity, 1989

John S. Livermore, 1990

George D. Argall, Jr., 1991

Arthur A. Brant, 1992

William C. Epler, 1992

Walter E. Heinrichs, Jr., 1993

Willard C. Lacy, 1993

Donnell W. Agers, 1994

J. David Lowell, 1994

Ronald R. Swanson, 1994



AMERICAN MINING HALL OF FAME

Board of Governors

Jack E. Thompson - *President*
Milton M. Evans - *Vice President*
Susan F. Armijo - *Secretary/Treasurer*
R. W. Ballmer
A. Frederick Banfield
Roshan Bhappu
Wayne Burt
David Dehlin
Walter E. Heinrichs, Jr.
Marvin A. Hustad
Joseph M. Keane
Martin C. Kuhn
John C. Lacy
James D. Loghry
Robert A. Metz
William C. Peters
Jan Wilt Rasmussen
Calvin R. Rooker
Charles R. Sewell
Herbert E. Welhener
Gordon W. Wieduwilt
William Wilkinson

1995 Hall of Fame Committee

Martin C. Kuhn - *Chairman*
Michael J. Arnold
R. W. Ballmer
Milton M. Evans
Edmund N. Hannifan
Walter E. Heinrichs, Jr.
John C. Lacy
R. Brantley Sudderth
Herbert E. Welhener
William Wilkinson

Gold Members

A. Frederick Banfield
Bradford A. Mills
Milton H. Ward
William Wilkinson

Silver Members

George J. Allen
George Ansell
Susan F. Armijo
Milton M. Evans
Larry A. Flynn
Walter Johnson
John C. Lacy
Jack E. Thompson



MINING FOUNDATION OF THE SOUTHWEST

Mining Foundation of the Southwest

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