



**Thirteenth Annual**

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**American**

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**Mining Hall of Fame**

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**Awards Presentation**

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**and Banquet**

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**December 2, 1995**

**Sponsored by**  
**Mining Foundation of the Southwest**

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**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 Technology

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.

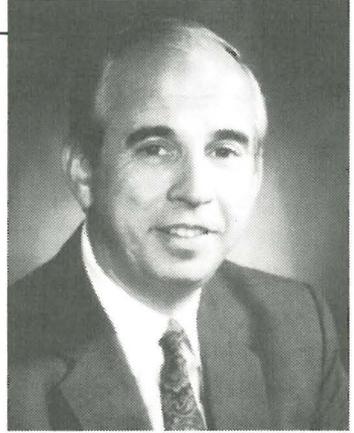


## AMERICAN MINING HALL OF FAME

### 1995 RECIPIENT

### DOUGLAS C. YEARLEY

**D**ouglas 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

**B**ert 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?

**A**ntonio 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.



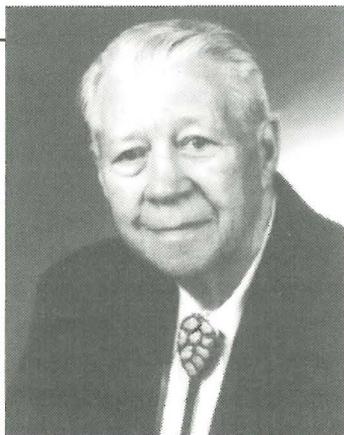
# AMERICAN MINING HALL OF FAME

## 1995 MEDAL OF MERIT RECIPIENT

### WARREN KAY PINCOCK

**K**ay 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

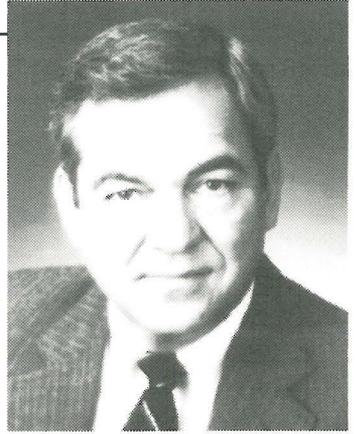
## 1995 INDUSTRY PARTNERSHIP AWARD

### **GLEN A. BARTON**

**G**len 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

Kennth 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	Hal W. Hardinge 1855-1943	Seeley W. Mudd 1861-1926
Nellie Cashman 1849-1925	George Hearst 1820-1891	Charles Debrille Poston 1825-1902
Williams Andrews Clark 1839-1925	Joseph Austin Holmes 1859-1915	Rossiter W. Raymond 1840-1918
James Douglas 1837-1918	Herbert C. Hoover 1874-1964	Robert H. Richards 1844-1945
James Stuart Douglas 1868-1949	Daniel C. Jackling 1869-1956	Thomas A. Rickard 1864-1953
Charles F. Fogerty 1921-1981	Ira B. Joralemon 1884-1975	Louis D. Ricketts 1859-1940
Antoine M. Gaudin 1896-1974	Henry Krumb 1875-1958	Reno H. Sales 1876-1969
Wesley P. Goss 1899-1985	Waldemar Lindgren 1860-1939	Fred Searls, Jr. 1888-1968
William C. Greene 1853-1913	Curtis H. Lindley 1850-1920	Arthur F. Taggart 1884-1959
John C. Greenway 1872-1926	John William Mackay 1831-1901	William Boyce Thompson 1869-1930
Meyer Guggenheim 1825-1905		Arthur Redman Wilfley 1860-1927

## Medal of Merit Recipients

Ralph J. Roberts, 1989	Arthur A. Brant, 1992	Willard C. Lacy, 1993
Victor H. Verity, 1989	William C. Epler, 1992	Donnell W. Agers, 1994
John S. Livermore, 1990	Walter E. Heinrichs, Jr., 1993	J. David Lowell, 1994
George D. Argall, Jr., 1991		Ronald R. Swanson, 1994



# AMERICAN MINING HALL OF FAME

## **Board of Governors**

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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**

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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**

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

## **Silver Members**

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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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