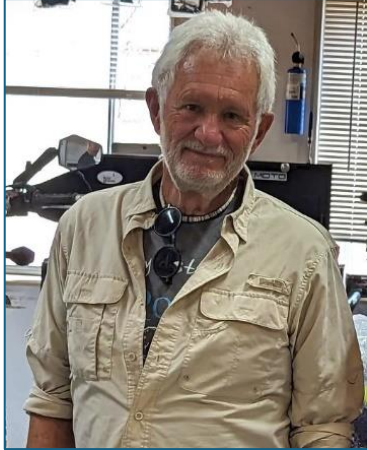


## **JULY 2      LARRY J. MOORE**

### **“FROM MINES TO METALS: THEN AND NOW”**



Larry Moore was born in Rifle and grew up in Uravan and Grand Junction. His father served as chief chemist for Union Carbide and was a scientist for the Manhattan Project. Larry graduated from Colorado State University with a BS in Chemistry. Larry joined Factory Mutual (now FM Global) as an engineer specializing in assessing fire, explosion, earthquake and other risks for the mining, metallurgical smelting, and petrochemical industries. During his career, he lived in Chicago, Seattle, Boston, near Golden, and finally back to western Colorado.

Moore has travelled to approximately 2500 global industrial facilities, over 400 mines and smelters, and 70 countries. He has been an active member on professional engineering organizations and is an elected Fellow of the American Institute of Chemical Engineers. Larry has presented and published numerous technical papers and is a contributory author on several books on chemical and mining loss prevention. Larry was corporate Principal Engineer of Mining and Metallurgy for Factory Mutual when he finally retired in 2021

Moore's great grandparents came to Ouray in 1881 and in 1884, his grandmother was born in their home on Oak Street. Today, Larry and Susan Moore make their home in Ouray and Grand Junction.

This presentation covers mining, mineral dressing and metallurgy from prehistoric days to the present focusing on technologies and how they evolved over thousands of years. Moore will explore how minerals form along with a brief discussion on rocks and elements with a focus on gold and silver in the San Juan triangle. He will show historical and modern photos of mines and equipment along with process flow cartoons. Mining, milling, and smelting processes through the ages will be presented, explaining how mankind was able to find and win the metals needed for civilization.

