



LEHIGH  
UNIVERSITY.

# Lehigh University Connections with the Friedensville Mines

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# A Long Storied History with Lehigh University

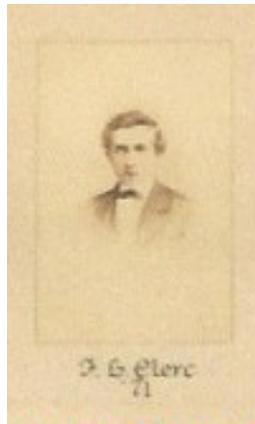
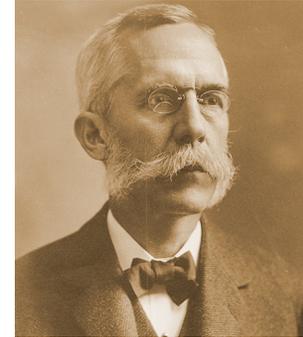
- **William Theodore Roepper** – *the local chemist who determined in 1845 that the farm of Jacob Ueberroth in Friedensville was rich in zinc ore. Roepper later became the first geology/mineralogy professor at Lehigh University. His official title was Professor of Mineralogy and Geology and Curator of the Museum (when there was no museum). Roepper was one of five original faculty members.*



- **Miles Rock** – *The only Lehigh University graduate who was also a Civil War veteran surveyed the Friedensville Mines for Lehigh Zinc Company in the late 1860s and early 1870s. He was one of three students in the first Lehigh University graduating class (1869). He later worked for the United States government as an astronomer and also served as the Chief of the Guatemala Boundary Commission where he helped mediate border disputes between Mexico and Guatemala.*

# A Long Storied History with Lehigh University

- **Henry Sturgis Drinker** – 5<sup>th</sup> President of Lehigh University and an early expert on the Friedensville zinc mines and The President Pumping Engine. Also of Drinker Hall fame! He made a keynote presentation to the foundational 1871 Bethlehem Meeting of AIME, the same year that he graduated from Lehigh University. When Drinker's mining engineering professor left Lehigh in his senior year, he spent weekend trips to the Friedensville Mines to learn engineering principles.



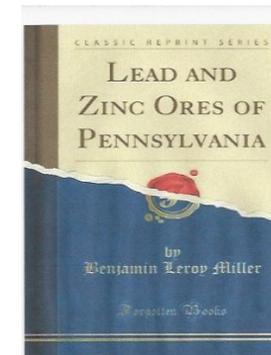
- **Frank Laurent Clerc** – Early member of the Lehigh Mathematics Department and a Civil Engineer, Mining, graduate of the Lehigh class of 1871. Clerc learned his engineering principles at the Friedensville Mines and later served as an engineer for Lehigh Zinc Company. He was involved in economic assessments the mines and their capabilities throughout the 19<sup>th</sup> century.

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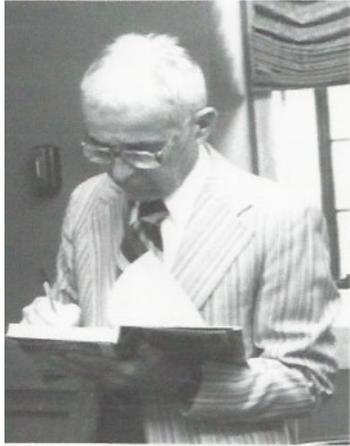


- **William Henry Chandler** – *An early member of the Lehigh Chemistry Department and also Lehigh University’s first librarian as director of Linderman Library. Chandler evaluated the Friedensville Mines’ as a potential source of potable water in the 1890s for the cities of Bethlehem and Philadelphia. Also of Chandler Lab fame!*

- **Benjamin Leroy Miller**– *Often considered the father of Geology at Lehigh University, Professor Miller wrote extensively about the geological formations in the Friedensville Mines. Miller was a professor at Lehigh for 37 years. His specialty was economic geology and his studies supported to the reopening of the Friedensville Mines in the 20<sup>th</sup> century.*



# A Long Storied History with Lehigh University



- ***Willard Ross Yates***– *Dean of Lehigh’s College of Arts and Science from 1963 to 1972 and professor of political science. He was also an historian of the Lehigh Valley region and published definitive books and journal articles on the early years of the Lehigh Zinc Company and the Friedensville Mines. He received the Hillman Award, Lehigh’s highest honor for a member of the faculty and staff.*

- ***Donald B. Stabler*** – *In 2012, Lehigh received 755 acres of land as a gift from the estate of Donald Stabler, Lehigh University Class of 1930 (C.E.). Stabler also made the largest grant ever received by the University, a scholarship fund valued over \$30 million. The former properties of New Jersey Zinc Company, including the Friedensville Mines were included in the 2012 land grant. In 1987, Mr. Stabler expressed an interest in restoring The President Engine House which is part of the grant property.*



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- ***TE Capstone Course***— *In 2018, a two semester course was launched to develop park concepts for the Friedensville Mines (called Lehigh Heritage Park). The students are recreating a computer based and physical model of the famous President engine which drew water from the mines in the 19<sup>th</sup> century. Here is a collage of photos of the students as the work on the project.*

