As summer draws to an end in Leadville, I want to report on changes that have occurred since the last newsletter. Nothing remains static for long in our challenging environment.

**Staffing**

In staffing, we have formed a search committee to fill the Curator position vacated by Stephanie Johnson at the end of June.

I regret to announce that Emma Reynolds, our Educational Programming and Events Coordinator since April, is leaving us. Her last day will be September 29, when she will be assisting at the Induction Banquet. She plans to move back to her hometown in Missouri and work there.

We are sad to see our summer employees and a part-time employee leaving, as well. Visitor Services Representatives Wyatt Gipson and Pat Schramm left us with the beginning of the school year. Bill and Connie Nelson will soon be moving away from Leadville. Bill has been our Maintenance Technician, Matchless Docent, and Visitor Services Representative since 2014. Connie has been one of our summer Visitor Services Representatives for the past two summers. They all leave gaps that will be hard to fill.

**Facilities**

In facilities, various long-overdue projects were completed or have been scheduled using proceeds of the Convention Center sale. Some of the projects sound more exciting than others. The biggest project was replacing the leaking 5000-square-foot Hennebach Wing roof. A Hennebach chimney was rebuilt and mortar in the front terrace walls and on top of the passageway to the Hennebach Wing was replaced. Shades have finally been installed in the Hennebach Wing windows to control heat and light. A broken door was repaired, a

Continued on Page 9
Find answers to the Trivia Questions on Page 8

1. What Hall of Fame inductee was a mentor to this year’s inductee, Dr. Leo J. Miller?
2. Which Hall of Fame inductee has a connection through Royal Gold to this year’s inductee Douglas B. Silver?
3. Of this year’s inductees, which two had significant professional relationships with Hall of Fame Inductee #216, J. David Lowell?
4. What is Dig into Mining?
5. How are this year’s inductees Silver, Miller, Guilbert connected?
6. This year’s inductee was a past president of SME among many other local, state, and national industry associations.
7. Like this year’s inductee, Robert E. Murray, Hall of Fame inductees Ralph E. Bailey, #230, William Poundstone, inductee #235, and inductee #19, Francis S. Peabody all mined what energy resource?
8. The Denver Gold Forum was founded by which of this year’s inductees?
9. Out of this year’s inductees, who is a former board member of the National Mining Hall of Fame and Museum?
10. Which 2017 inductee was part of the US Geosat Committee that pioneered early advances in the use of satellite imagery for geological applications worldwide, along with inductee Dr. Vincent McKelvey?

Purchase your ticket to the 31st Annual National Mining Hall of Fame Induction Banquet, the mining community’s pinnacle event, by visiting www.mininghalloffame.org
A big thank you goes out to Robert B. Hopler, a long-time friend of the National Mining Hall of Fame and Museum. His recent article in the Journal of Explosives Engineering was greatly appreciated and very well done.

Hopler earned his BS and MS degrees in Mining Engineering from the Missouri School of Mines (now the Missouri University of Science and Technology.) In 1998 he was presented with the honorary "Professional Degree of Mining Engineering" by his Alma Mater. In 1999 he was elected to be a member of the University of Missouri - Rolla School of Mines and Metallurgy Academy.

Bob has 35 years of experience in the explosives industry and has received numerous honors. His career included working at St. Joe Lead Company in underground lead mines in Missouri, work as a miner in an underground zinc mine in New Jersey, and work as a miner at a gold dredge in Alaska.

In addition to authoring some 90 technical papers or presentations on explosives, he has contributed the continuing series of articles in the Journal of Explosives Engineering entitled "Explosives 100 Years Ago" since the magazine's initial issue in May 1983. A compilation of the articles was published by the ISEE in 2001 as "Explosives 100 Years Ago, More or Less - The Book." He has six U.S. patents on various aspects of explosives and mining technology. He testified on the properties of ammonium nitrate-fuel oil explosives to the Timothy McVeigh Oklahoma City bombing grand jury.

Thank you, Bob, for encouraging more visitors to stop by and see the NMHFM!
The High Grade

Educational Programming

This year we have been excited to expand our education programs for the museum’s smallest visitors. Once a month on Saturdays, NMHFM has been offering programs that encourage youngsters to engage more fully with the exhibits. Our first program correlated with the opening of our diorama room to help children understand the various aspects of hard rock mining as they created their own diorama of a mine. You can still see some of their work in the Government room of the museum!

We are developing more Science, Technology, Engineering and Mathematics (STEM) programs. This included making your own crystals at Boom Days and creating glow slime. Our most well attended STEM event was Girls Rock! This program’s aim is to keep young girls ages 6-12 interested in the sciences. It was our most well attended Saturday event. Girls could draw a picture of themselves doing something to be inducted into the Hall of Fame, which currently only has 7 women. They could then leave their photo in our actual Hall of Fame. We at the museum hope to continue to develop learning and an interest in mining, its history, and its continued importance to our daily lives.

Emma Reynolds
Educational Programming & Events Coordinator
Email: Emma@mininghalloffame.org

Emma’s four months with NMHFM have been extremely productive, and we thank her for the excellent educational programs she has developed. Fare well and best wishes Emma!
Barbara A. Filas is a third generation miner, a second generation mining engineer, and a licensed professional engineer. Her grandfather emigrated from Finland to work in the copper mines in Bisbee, and her father, Carl Appelin, worked in those same mines from the age of 15. Like her father, Barbara earned her Mining Engineering degree from The University of Arizona. She was one of the first few women to graduate from the mining engineering program at the University of Arizona.

Barb started her career in the underground coal mines and went on to serve as President and Chief Executive at Knight Piesold and Co. US, a practice specializing in permitting, compliance, and the preparation of international social and environmental impact assessments, action plans and management systems. She also served as CEO and Executive VP of Corporate Development for Geovic Mining, among other high ranking corporate positions. She owns Filas Engineering and Environmental Services. Her work has taken her to six continents for projects in coal, metals, and industrial minerals. She is a part time Professor of Practice, Mining Engineering at Colorado School of Mines.

Barb volunteers thousands of hours to the mining community. She is actively involved in the Society for Mining, Metallurgy and Exploration Inc. (SME), where she has served in numerous leadership positions. She was instrumental in helping to create the Environmental Division in 1997, the Student Mentor Program in 1999, and served as the Society’s 48th President and its first female President in 2005. Barb has been a long-time member of the NMHFM and is Nomination Chair of its Board of Governors. Recently she participated in the museum’s Girls Rock program inspiring girls ages 6-12 to explore careers in mining.

See page 11 for instructions on how to create a successful nomination package for someone you know to be deserving of a place in the National Mining Hall of Fame.
In Memoriam

Siegfried (Sig) J. Muessig
1922-2018

Lifetime member of NMHFM and former Board of Governors, Sig Muessig, passed away on May 24th in Claremont, California.

Born in Freiburg, Germany, Sig’s family immigrated to Ohio when he was five years old. Sig served as a 2nd Lt. in the Army Air Corps in World War II before heading to Ohio State University to study geology. With his PhD, he went to work for the USGS, then US Borax Company and Getty Oil Company. He led the Getty Mining group in their exploration program for minerals. It was under his direction that a joint venture discovered the Jabiluka uranium orebodies in Australia and the world-class Escondida copper deposit in Chile.

NMHFM is grateful for Sig’s long-time service on the Board of Governors.

Sig Muessig also served as President of the Society for Economic Geologists in 1978, was a Distinguished Member of the Society of Mining, Metallurgy, and Exploration and a Fellow of the Geological Society of America.

Patrick Henry O'Neill
1915-2018

NMHFM Founder and Hall of Fame Inductee Patrick O’Neill died peacefully on February 15th in New Canaan, Connecticut. He was one of 12 children born to an Irish family living in Cordova, Alaska.

Patrick’s grandfather took part in the Alaska Klondike Gold Rush in 1897, so it was in keeping with family influences that he made his career in the mining industry.

Patrick earned three degrees from the Alaska Agriculture College and School of Mines (Univ. of Alaska Fairbanks). He served as a B-17 pilot and instructor in the U.S. Army Air Corp during World War II, then worked his way up in mining, from exploration engineer to President.

Throughout his career Patrick traveled to many different countries and served in leadership capacities for such companies as Placer Development, Moly Corp, Rosario Resources and International Mining Corp.

Patrick was committed to innovative social programs as part of mining operations, and was responsible for helping to improve the lives of workers around the world, particularly in Latin America. He was involved with many non-profit and professional organizations including SME, the Explorer’s Club, the American Geographical Society and the Joslin Diabetes Center. His induction into the Mining Hall of Fame in 2013 was well deserved and we are thankful for his vision as one of our founders.
The High Grade

2018 Calendar of Events

Fall
Saturday, September 29th
31st Annual National Mining Hall of Fame Induction Banquet
The Ritz-Carlton
Denver, Colorado

Tickets can be purchased by visiting our website at www.mininghalloffame.org or calling 719-486-1229

Winter
Thursday, October 4th
5:00 p.m.
Moolick Library
Baby Doe Mythbusting
Brenda Miller will debunk the myths as seen in the opera “Ballad of Baby Doe.”
Bring your own food and drink.
Free admission.

December 8th
Community Appreciation Day & Holiday Sale

Coming this winter, after the new year has come and gone….get ready for...

Come wander the halls while enjoying your favorite spirits!

Check our website for details and ticket information:
www.mininghalloffame.org
A new feature has been added to our 31st Annual National Mining Hall of Fame Induction Banquet on September 29th. Responding to the museum’s call for entries, young people were asked to create a piece of artwork entitled “Me as a Miner”. Entries will be judged for creativity, originality, and how they reflect the theme “Me as a Miner.” The art contest was created to help educate and encourage our youth to consider mining as a possible career in the future.

Guests will be asked to open their pocketbooks to vote for one of the finalists. Funds will be used to reward the winners of the contest and also to help expand the idea in future years.

Pictured here are just a few of the finalists that will be judged during the Induction Banquet.

Answers to Inductee Trivia, page 2

1. Dr. Charles (Chuck) Fogarty, inductee #7, of Texas Gulf Sulphur fame.
2. Stanley Dempsey, Sr. inductee #233, Founder of Royal Gold which bought Doug Silver’s International Royalty Corporation.
3. Professor John M. Guilbert developed the Lowell Guilbert porphyry copper model with J. David Lowell and Dr. Leo Miller, whose exploration philosophy was much like Lowell’s. All three gentlemen knew each other and Guilbert and Miller were both great friends of Lowell’s.
4. Freeport McMoRan Foundation’s online resource about the story of copper.
5. Leo Miller worked for Pick Uranium, John Guilbert worked for Leo Miller at Pick Uranium during a summer field job, and Doug Silver studied under John Guilbert at University of Arizona. All three are economic geologists.
6. Robert E. Murray
7. Coal
8. Doug Silver
9. Robert Silver
10. Dr. Leo J. Miller
The High Grade

NMHFM Changes (continued from page 1)

new water heater and pump were installed, and new lines were painted between spaces in the parking lot. In the near future, fire detection devices will be installed in the attic above the Hall of Fame.

With completion of the most pressing building repairs, we will be able to change our focus to implementing suggestions in the interpretive plan that consultant Alice Parman is writing for us. Alice’s plan should help us improve how we guide visitors through the building, how we communicate the importance of mining in existing exhibits, and what modern approaches to exhibits we will take in the future. Unlike most building repairs, such changes within our spaces should be obvious to visitors when they visit in the future.

Danny Blanton and his family (from left, Patricia, Danni, and Luke) delivered these amazing bronze sculptures over Labor Day weekend. They were donated by Kenneth John Barr and Freeport Minerals Corporation in honor of Kenneth J. Barr, President and CEO of Cyprus Minerals Corporation. The names of the sculptures, which the late Gary Prazen created in the 1980s, are "High Grade," "The Sentinel," and "In Control." Danny is the President of Original Creations, Inc., founded by Gary Prazen. He is married to Patricia, Gary’s granddaughter. NMHFM is greatly honored to receive these masterpieces into its collection.
Happy Discoveries for the Holidays

New in our Gift Shop

Elegant apple snow globes with real gold, silver or copper flakes.

4 and 4 1/4' decorative tiles and coasters by Buena Vista artist Nora Larimer.

Books with a mining or local connection.

Fun and educational activities for the kids!
The National Mining Hall of Fame was established to honor those citizens, mining leaders, miners, prospectors, educators, scientist, engineers, inventors, governmental leaders, and other individuals who have helped to make the nation great by their outstanding contributions to the establishment, development, advancement, or improvement of mining in the United States of America.

Anyone may nominate an individual for induction into the National Mining Hall of Fame, but all nominations must be submitted according to the following procedures. These procedures have been designed to ensure that the evaluation of all nominees is done in a fair and consistent manner.

Every nomination must be submitted on an official Nomination Form.

The Nomination Form consists of 5 Sections, as follows,

Sections 1, 2 and 3 are self-explanatory

Section 4 should contain a full description of the nominee’s achievements that merit his/her election to the National Mining Hall of Fame. Section 4 is strictly limited to a maximum of 2 pages. It often is a challenge to fully capture the nominee’s qualifications in two pages, so we recommend that you try a few drafts before you complete and submit your final nomination.

Section 5 should contain additional information as indicated on the form. The information requested about the nominee under items 3, 4, 5, and 6 must all be confined to a maximum of two pages, so make sure that only relevant and significant information is included.

The final submission package must also include a minimum of two and a maximum of three letters supporting the nomination. These must be single-page letters from individuals who are well acquainted with the nominee’s qualifications and support his/her election to the National Mining Hall of Fame. Anyone may write these letters, although support from individuals who are professionally competent to evaluate the nominee’s qualifications are usually more persuasive.

The completed nomination package must be submitted to the Board of Governors no later that December 31 to be considered for induction the following year.

No person shall discuss any nomination with a member of the Board of Governors with the intent of influencing that Governor’s note either for or against an induction nominee. If a person is aware of information about an inductee candidate that the Board of Governors should be aware of, that person should submit that information in writing to the Nominations Chair, who will disseminate that information to the Board of Governors if appropriate.

Submissions may be sent to:

The National Mining Hall of Fame & Museum
Attn: Nominations Chair
P.O. Box 981
120 W. 9th St.
Leadville, CO 80461

nominations@mininghalloffame.org
The High Grade

Museum location:
120 W. 9th Street
P.O. Box 981
Leadville, CO 80461
Phone: 719-486-1229

Matchless Mine & Baby Doe's Cabin:
1.25 miles east of the museum on 7th Street
Phone: 719-486-1229
Season Closure October 7th

Visit our Website:
MININGHALLOFFAME.ORG

Tell the story about mining, its people & its importance to the American public."

A federally chartered non-profit, located in the famous 1880s silver boomtown of Leadville, Colorado at the top of the Rocky Mountains, the National Mining Hall of Fame and Museum is a monument to the memory of the men and women who pioneered the discovery, development, and processing of our nation's natural resources.

Known as the “Smithsonian of the Rockies” and the “Premier Showcase of American Mining,” the National Mining Hall of Fame and Museum was established in 1987. Come in and discover why mining matters to you! Our museum houses 25,000 square feet of interactive and informative exhibits showcasing our collection of mining's colorful past, present, and future.