

THE NATIONAL
IRON & STEEL
HERITAGE MUSEUM

BOILERPLATE

Summer 2021



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Our Mission

The National Iron & Steel Heritage Museum is a not-for-profit educational institution whose mission is to promote an understanding of the iron and steel history of Coatesville, Chester County, Southeastern Pennsylvania and the region to audiences of all ages and interests by collecting, preserving, exhibiting and interpreting iron and steel's history and its relationship to the region and nation beyond.

PRESIDENT'S MESSAGE

Welcome back!!! After 16 months we are finally ready to welcome visitors back. Closing our doors back in March of 2020 was the right thing to do. When we shut down our visitor services, like everyone else, we did not anticipate it taking this long. While we were closed for COVID safety purposes, we worked to shift in-person experiences to virtual programming.

Our online content and presence had been building but the pandemic accelerated the speed in this direction. I have tremendous praise for our museum staff as they rose to meet this difficult challenge. I also want to thank our membership whose support was critical in helping keep the lights on, and the computers running. As vaccination rates moved higher, and the health guidelines began to relax, we set our sights on reopening.

However, one thing remained: before we closed we had been planning on moving the exhibits. Needless to say, the onset

of the pandemic put a hold on those plans. It wasn't until late this winter that we could begin the task of creating a compelling space within which to tell the story of how steel is made. Therefore it is with great anticipation that we can now say we have converted space and installed exhibits in our "new" Visitor Center. Phew!

We are excited to show off this space, including the realigned exhibits. The highlight of course is the CLH III train collection complemented by the DiOrio family collection as pictured on this magazine's cover. You will also see familiar models of production and products, along with vibrant photographs and artifacts. Additionally, the larger space has room to display more of our collection, right in the shadow of the mill. All this is done with one purpose in mind — to share with you the story of iron and steel.



Scott G. Huston

EXECUTIVE DIRECTOR'S REPORT

NISHM is part of the *Tour of Honor*, a self-guided motorcycle tour throughout the United States. Every year seven different memorials in each state are part of the 7 month tour. Riders pick and choose where and when they go.

The Pennsylvania sites have already been visited by riders from Arizona, California, Connecticut, Florida, Illinois, Maryland, North Carolina, New Jersey, New York, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia, honoring our veterans and first responders with wonderful memorials.

In honor of the 20th year of the 9-11 attack, TOH riders are encouraged to visit various 9-11 memorials. 150 visits to 9-11 memorials in communities throughout Pennsylvania have been made so far. Across the US, 750 riders have documented visiting at least one state memorial. A record 1,197 riders signed up to participate this year.



Jim Ziegler

The National Iron & Steel Heritage Museum is a project of the Graystone Society, Inc., a 501(c)3 public charity registered with the Pennsylvania Bureau of Charitable Organizations. Contributions are tax deductible to the extent permitted by law.

National Iron & Steel Heritage Museum, 50 S 1st Ave, Coatesville, PA 19320 | 610-384-9282



VISITOR CENTER OPENS

The excitement level is high in the Historic District with the official opening of the Visitor Center now in the history books. During the last 16 months while the interior of the museum was closed due to the Covid pandemic, staff, contractors, engineers, and volunteers have been hard at work making the new Visitor Center a reality. The finishing touches were applied to what is now the launching point for all museum tours. From here, guests can select from a full campus tour or select individual houses (Graystone or Terracina Mansions) or a tour of the 120" Mill Motor House.

Once inside the Visitor Center, guests can meander up and down the aisles past the numerous scale models of mill vignettes such as the mesmerizing Spun-Head model, the making of the steel for the World Trade Center model, and the Old Mill replica. Other Lukens-era memorabilia

Clockwise from upper left, Matt, Bob and Harry from Harry Quinn Moving muscle the 206" Rolling Mill Model into place. Member Rob Biamonte works on repairing a blast furnace model that was originally located in Klaus Gurutzka's studio. Intern Lauren Tushar and Collections Manager Kathy Bratton hang illustrations of America's Cup boats that used Lukens steel in their construction. Dereck and Andy from McComsey Builders hang mill signs. Sharon Tandarich, Buildings Systems Manager, cleans years worth of mill grime off signs prior to mounting.



Volunteers Al Giannantonio and John Walker finish installing the train wall.

VISITOR CENTER OPENS (CONT.)

is also represented like the hard hat collection, name badge collection and a variety of other fascinating items. Friends who were familiar with the interactive trains from the Lukens Executive Office Building will be happy to see them once again in place at the Visitor Center. The ability to create authentic locomotive sounds such as blowing horns, steel-wheel rumbings, and signal crossing-alerts are all there.

One highlight of the Center is The Wall of Trains. Collections from Charles L. Huston III and the DiOrio family make up the bulk of the 800+ model trains that have been accessioned. Out of this, 400 are in the current display. This building is also ADA compliant, featuring an exterior entrance ramp and widened aisles. Building permits were received and the city inspections have been completed. The only item left to add to the mix, is you! We look forward to seeing you soon!

Z-METER ARRIVES AT NISHM

Abe Zewey, inventor of the Z-Meter, demonstrates how it was used.



It is a unique and rare opportunity to get an object from its actual inventor and maker. NISHM was presented with just such an opportunity. We have been given a device called a Z-Meter. Coming to us through its inventor Abe Zewey. The Z-Meter, first used in 1992, uses changes in wavelength frequency to determine the rate of fill as molten steel is introduced into a bottom-filled mold. Mr. Zewey states that at the time of the Z-Meter's invention "the bottom pouring process practiced by all steel mills was using stopwatches to monitor Rate of Rise. This monitoring method produced only an average picture of Rate of Rise which resulted in low yield and many ingots being rejected

and sent back for repeat production." According to Mr. Zewey, the Z-Meter "is the only instrument to detect and display, in real time, the instantaneous fluctuations in Rate of Rise." We know that Z-meters were used at Lukens. We are very excited about this new item for our collection, and very grateful to Abe Zewey for both his very generous donation, and his help and guidance on how to best display the Z-Meter in future exhibits.

Correction:

In an article about the collection of Phoenix Iron & Steel Company artifacts being offered to NISHM in the Spring 2021 issue of Boilerplate, we mis-identified ownership of the artifacts. The artifacts are owned and being offered by the Schuylkill River Heritage Center. We sincerely apologize for the error.

IRON & STEEL HALL OF FAME 2021 INDUCTEES



MARGARET MILLER

With the men off fighting during World War II, Lukens women were given new opportunities to prove themselves, and by early 1944, Margaret Miller was the inaugural operator of the crane in the US Navy's newly built 120" mill and the "only girl operator" of the giant 100-ton mill crane.

Born in Coatesville in 1921, she was to become a second generation steelworker. Her father, David Grant Miller, started his career operating the pump and air compressor in the blooming mill of the Midvale Steel & Ordnance Company in Coatesville as early as 1918, and by 1944 he was employed in the Lukens 206" mill.

Margaret is a noteworthy steel pioneer who rose to the challenge and contributed in a very big way to the victory of the United States WW II. She continues to prove what a strong lady she is and she turned 100 on Memorial Day, 2021!



VERNON GREENLY

Vernon Ross Greenly was a trailblazer in Pennsylvania's steel industry, remembered in Hayti and Coatesville as the state's first African-American Open Hearth ladleman. This was a position he held as early as the Spring of 1935, when he was involved in the production of enormous elliptical steel heads to be used in the construction of oil cracking stills.

He was born in 1905 on the farm his parents owned in Baltimore County. His maternal grandfather, Lafayette Lewis, was from Baltimore County, and served for three years in the US Colored Troops, both during and after the Civil War.

Vernon also held an important role in Union Local 1165 in 1944, serving on the wartime Labor-Management Committee for Plant Economy. He also sang in the local gospel group called "The Pitmen," comprised mainly of workers in Lukens' Open Hearth pit.

REBECCA LUKENS AWARD PRESENTATION



On May 5th NISHM presented the 2021 & 2020 Rebecca Lukens Awards to Karen Marshall, the 2021 recipient, and Minnie McNeil, the 2020 recipient. The online Zoom meeting featured accolades from elected officials, and words of wisdom from the recipients. Pictured at the meeting (L-R, Top to Bottom) are: Karen Marshall, Marian Moskowitz and Josh Maxwell, Chester County Commissioners, Minnie McNeil, Sandy Momyer, 2019 RLA recipient, Molly Morrison, 2014 RLA recipient, and Dan Williams, PA House of Representatives.



TAMMY CANSLETZ MILES - IN MEMORIAM

The National Iron & Steel Heritage Museum notes with a heavy heart the passing of a good friend to the museum and 2012 Rebecca Lukens Honoree, Tammy Cansler Miles. Ms. Miles was a friend, mentor, and game-changer in Coatesville for many years.

Recalled fondly by Ms. Vanessa Briggs, President/CEO of the Brandywine Health Foundation. "We were so saddened to hear of the passing of our beloved Tammy. She was a dear friend to the Brandywine Health Foundation for more than 20 years and continued to serve the community. I had the privilege to serve with her on 2nd Century Alliance board and it was quite evident that she truly cared about the Coatesville community. She will be missed by all."





WINS AND LOSSES

It's been a busy spring and summer thus far at the National Iron & Steel Heritage Museum. For anyone who has ever visited Terracina Mansion, you'll recall the summer kitchen at the back of the building. Created originally to not only keep searing heat out of the main house during the blazing summer months, but also as a safety precaution, in case of cooking flare-ups and an ensuing fire. The kitchen's roof has received a new EPDM flat tar roof this year with copper flashing, thanks to the expert workmanship of William Dunleavy Roofing out of West Chester.

More roofing renovations are also expected at Terracina by the end of the year. Replacement of cedar shake shingles will be in order. Naturally, skyrocketing lumber prices have affected the timely completion of this project. Out on Terracina's back lawn, a stately

150+ -year -old sycamore is bidding farewell to the property. Jonathan Fair Oaks of Living Tree, LLC will be handling the removal of the tree.

On next year's calendar will be a myriad of projects that need to be completed at Brandywine Mansion. Items in desperate need of repair such as porches, windows, trim, and doors are all on the carpentry list. It promises to be a busy year in the Historic District!

Would you like to help the museum financially by "adopting" a renovation project? We can certainly use your help! Please contact Sharon Tandarich, Property Manager at 610.384.9282 for more details or email her at admin@houstonproperties.org



STEVE DEVEAUX

Rev. Steven Deveaux is a native and current resident of Coatesville, PA. He was educated at the Coatesville Area School District, West Chester University, Maranatha Baptist Seminary, Lancaster Bible College, and is a graduate of the Grace Bible Institute.

Steve has been serving the Coatesville and surrounding areas for over 45 years. He has several religious affiliations including the National Baptist Convention USA, Inc., Pennsylvania State Baptist Convention and he serves as Moderator for the Salem Baptist General Association of Coatesville and Vicinity. His civic affiliations include membership on the Board of Religious Affairs of the National Association for the Advancement of Colored People (NAACP) Coatesville Chapter.

Steve is a natural born leader who has served in many leadership capacities and is sure to bring a valuable perspective to the NISHM 7 Board.



KAROL COLLINS

Karol is a Chester County native, living in the Downingtown-Coatesville area her entire life. Employed by Harrison Senior Living in Coatesville, Karol has enjoyed working in the Activities Department for the past six years.

Community service is an important part of her life. Among her current activities, Karol serves on the Board of Directors of Brandywine Valley Active Aging, (formerly the Coatesville Senior Center), serves as Secretary for the Coatesville Christmas Parade Committee, works with the Rotary Club of Coatesville as Coordinator for the Strawberry Festival, volunteers as a library aide at Pope John Paul II Elementary School, and has served as committee chair on the Community Investment Team for the United Way of Chester County. Karol has also volunteered at many special events throughout the years at the National Iron and Steel Heritage Museum and looks forward to joining the Board of Directors.



2021 UPCOMING EVENTS

Check For Updates at SteelMuseum.org



Coatesville Remembers 9/11 Commemoration
20th Anniversary of 2001 Attacks

September 11 | 8:30am to 11am Free Event

Golf Outing at Tanglewood

September 30 | 1pm Start, Scramble Format
\$ 125/Single Golfer | \$400/Foursome



Steel Stories — Coast Guard Icebreakers
Greg Ketchen - Coast Guard Heritage Museum

October 7 | 6:00pm
Free Zoom Event - Call For Details

Tour Pennypacker Mills & Primitive Hall

October 8 | Call For Details
\$40 - Members | \$50 - Non-members



THANK YOU TO OUR SPONSORS



Peter & Ruth Nunn



THANK YOU TO ALL OF OUR MEMBERS
WHO JOINED OR RENEWED FROM
MARCH 24, 2021 TO JUNE 30, 2021

NEW MEMBERS

Carolyn Comitta

RENEWING MEMBERS

(* DONATES 5+ CONSECUTIVE YEARS, BOLD DENOTES 120" Mill CLUB MEMBER & ABOVE)

Norman Alexander*

James Friedman*

Dorothy Johnson

Thomas Barnett*

Paul Givler*

Marguette Martin*

Robert Biamonte*

James Groome*

Robert McNeil

Sharon Bowyer*

Gus Gustin

Marion Piccolomini

Barbara Cohen

Timothy Hennessey*

Catherine Quillman

Patricia Edge*

Lowman Henry

Martha Skiadas*

Charlotte Fiske*

Herbert Hoffman*

Sharon Tandarich*

Gail Ekstrand*

Mary Holleran*

Greg Vietri*

WE ARE GREATLY APPRECIATIVE OF ALL OF OUR
MEMBERS' SUPPORT!

WE COULDN'T DO IT WITHOUT YOU!

NISHM NEEDS YOUR HELP - CALL FOR VOLUNTEERS

We are looking for volunteers to help with tours, collections, office work, and events. Museum hours are 10:00am to 4:00pm, Monday through Saturday (with evening events).

Available opportunities include:

- Special Events – set up, man registration table, clean up
- Collections (Tues., Wed., and Thurs.) – organize rooms, accession process, etc.
- Tour Guides (any day) – tour visitors through steel exhibits and historic homes.
- Saturday Office Help – answer phones, greet visitors when staff is unavailable.

If interested, please contact Jim Ziegler, Executive Director, at execdir@steelmuseum.org, or call 610-384-9282. Thank you!



Did you know there is a vegetable and herb garden behind Terracina? Stop by and see what is ripe the next time you visit the Museum.