President’s Message

As we enter the fall season and head towards year end, I cannot help but look back on 2021 and admire the people around me. I cannot thank the team of the National Iron and Steel Heritage Museum enough for their dedication, desire, and work ethic helping run one of Chester County’s best visitor attractions. They are like family to me. The Board is dynamic, engaged, and thoughtful in providing critical insight and leadership. I rely on the help of executive director Jim Ziegler for programs and fundraising; Sharon Tandarich for property management; Sam Radziviliuk for IT and online exhibits as well as Rachel Cathell for communications and Melinda Williams for our front-line visitor experience and fundraising. Lastly, I rely on the administrative assistance of Allison Connell and Kathy Franciscus as well as our maintenance department, Cody Orsheky and David Ferguson. We are all supported by our members (such as yourself reading this article) giving us the ability to bring our collections, exhibits, and programs to the public. It is also the visitor who reinforces and validates what we are attempting to do here: Bringing the story of steel to you.

Executive Director’s Report

Since reopening to visitors in mid-July, the National Iron & Steel Heritage Museum has been busy with visitors from the local region and beyond. The new Visitors Center has been a favorite choice as well as the 120” Mill Motor House, due to the abundance of iron and steel history interpreted through these sites.

In the Visitors Center, the train and ship displays attract a tremendous amount of visitor attention. The original water-powered iron rolling mill diorama, the 206” rolling mill and “spun heads” interactive display, the exhibits of the electric furnace and Plant 5 (where the World Trade Center steel plates were made in Coatesville) inspire lots of questions.

The fire engines and ambulances are now in the Motor House, with the submersible ship known as the Guppy. The Research Department test lab furnaces, rolling mill, and tensile strength testing equipment and the GO Carlson metallurgical department lathes, band saws, and drill presses are on display there as well. We plan to have the Visitors Center open for the Holiday Open House on December 10th. Please stop in to enjoy the variety of stories told of the people, places, and products of the iron and steel industry.

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
Join us on Friday, December 10, 2021, from 5:00 to 8:00 p.m. for our annual Holiday Open House & Auction. After taking a break in 2020 to observe the rules of the pandemic, we are welcoming back our members and guests to a holiday ritual that has become a sentimental favorite in Coatesville. Stroll down luminaria-lit pathways, listen to the sounds of the Lukens Band's enchanting music, inhale the scent of fresh pine, and taste the delicacies offered for your delight.

At the Georgian-Revival Lukens Executive Office Building, visit our annual model train display from the collection of Charles L. Huston III. Upstairs, the Lukens Band will be playing their much-loved collection of holiday favorites. Lining the awe-inspiring grand staircase will be rows of red poinsettias. Over at the Graystone Mansion (one of the finest examples of American Collegiate architecture), guests will be offered hot beverages and delectable snacks in the estate's walnut-paneled dining room. The man in red will also be playing host to all the wishes and dreams a child can conjure up in the first-floor music room.

Across the street at Terracina Mansion, indulge in the Victorian finery that only a property of this magnitude can display. Instantly transport yourself back to a gothic 1850 and enjoy the holiday as you would have then. Behind Terracina, new this year, is our much-lauded Visitor Center! Visit the gift shop there and secure that last minute, unique holiday gift! A nominal entrance donation of $5 is requested for entrance to all three buildings.

You will have a chance to win a foursome at Merion East Golf Club, and Merion West in our on-line auction! Delicious food baskets abound from Lancaster and Chester Counties. Restaurant gift certificates and tickets to highly-sought-after attractions are all up for grabs! Automotive maintenance, sports parties, power tools, balloon rides, and design consultations are all ready for your bid. Don't delay---watch your email and social media accounts for more announcements.

Join us next year for these most enjoyable (and highly informative events):
- Rebecca Lukens Birthday in January
- Black History Month Panel in February
- Women's History Month Panel in March
Frozen territories are some of the least-explored regions on Earth. This is mainly because of the regions’ large capacity of ice, which is not only hard to live in, but is also a challenge to maneuver through. As one of the oldest organizations in the federal government, the Coast Guard is responsible for a large array of duties ranging from defending the nation to aiding scientists in the study of natural environments. The Coast Guard uses icebreakers to plow the way through icy regions, like Antarctica and the North Pole, allowing for the exploration of frozen environments and providing aid to those that live there.

The origin of icebreaking appeared along with the advent of steam propulsion in the 1830s. It was found that steam ships with reinforced bows could deal with ice in the harbors of East Coast ports. The purchase of Alaska in 1867 created another need for vessels that could cut through ice, leading to the construction of the vessel *Bear*, the Coast Guard’s first “ice-resistant” ship. Over the next century, various classes of icebreakers would be developed, leading to several “firsts” in history and the exploration of icy regions.

Our exhibit, Icebreakers: America’s Way to the Frozen World, explores the fascinating history of icebreaking in America. Included in the exhibit is a short history of the Coast Guard and its role in icebreaking innovations. The exhibit also highlights numerous icebreakers that had historic impact such as the *SS Manhattan*, an oil tanker converted into an icebreaker using Lukens steel. What the future holds for America’s icebreakers is also discussed. Please visit www.steelmuseum.org to view the exhibit!
NISHM hosted its 11th commemoration of the 9/11 attacks in front of one of the tridents from the Noth Tower. Chief Kevin Pierce (pictured) of the South Coatesville Police Department started the service singing the National Anthem. Speakers including Congresswomen Chrissy Houlahan (pictured), State Representatives Carolyn Comitta and Dan Williams, Chester County Commissioners Marian Moskowitz, John Maxwell and Michelle Kichline, and Coatesville Councilpersons, Linda Lavender-Norris and Donald Folks all recalled the day and how the attacks changed the world.
The Mighty Sycamore Bows Out

The sad reality of having a campus filled with beautiful foliage specimens is that eventually, their life comes to a natural end. So was the case with the graceful sycamore that towered over the backyard of Terracina for over 100 years, providing shade for the multitudes and homes for any number of little creatures, especially ground hogs.

When signs of blight first appeared on the sycamore, Jonathan Fairoaks from Living Tree attempted to stem the decline, but to no avail. Thus, it was decided that the mighty Sycamore should come down. With careful attention not to disturb Terracina or her grounds, a massive crane was brought in and a skilled crew from Boot Road Tree Service brought a swift end to a once magnificent tree. A portion of that tree - saved in an effort to age it and preserve its memory - now sits in the Lukens Executive Office Building lobby, protected by seven coats of wax and linseed oil. But her graceful presence and full-bodied shade will be a memory not soon forgotten.

Up On The Roof of Terracina

Here’s a story of a win-win! Hoping that the job of roofing Terracina may be on his books this winter, contractor Bill Dunleavy of Dunleavy Roofing in West Chester, was able to secure the Cedar Shake shingles from his source (for the job) at a good price. Cedar Shake (and all lumber products) have basically doubled and tripled in price in 2021. What other bidders were honestly pricing out at $260,000 for the roof, Dunleavy was able to come in at $160,000 ---thus saving Historic Huston Properties, $100,000. A win worth shouting from the rooftops!
In the Lukens Executive Office Building there are four unique clocks. In the lobby there is a tall case clock as well as a large wall clock. There are also two miniature tall case clocks. We needed an experienced clock expert to get all these clocks keeping time, chiming, and striking correctly. Boy, did we find one! His name is Gordon Converse and he is truly no ordinary clock repairman.

Gordon discovered his passion for horology (the collecting and repairing of antique clocks) at a very young age. On his website, he tells of his "bewildered parents" when he asked Santa Claus for beeswax so he could re-attach a porcelain watch dial that had broken dial feet. He started his antique clock restoration business in 1978. Forty years later, he is still doing "challenging clock restorations". In the 1990’s Gordon spent 10 years giving "on-air" appraisals for the Antiques Roadshow. We certainly are honored to have Gordon taking care of our clocks and we know that they are in the best of hands.

For the next three years, Terracina will be privileged to play host for a very special clock. Made in 1796, the clock’s family history ties it directly to the history of Coatesville. On loan to us from Ben Fleming of Saline, Michigan the clock has been in his family for generations. Originally from Scotland, the Fleming family was a part of Coatesville’s earliest history. William Fleming was one of the earliest landowners in the area that would become Coatesville. He owned about 207 acres of land bordering the Brandywine River, and built the future home of Charles and Rebecca Lukens, Brandwine Mansion, in 1739. In 1787, William Fleming’s son, Brandywine Mansion to Moses Coates, a prosperous farmer and the namesake of Coatesville.

This clock is also important because of its own local history. It was made in Strasburg, Pennsylvania by clockmaker Thomas Burrows. Burrows was born in County Cavan, Ireland. He resided in Strasburg from 1787 to 1810 and only made clocks during those years.
John Ross

John Ross, a NISHM tour guide since 2019, is a Coatesville native, born and raised in the Coatesville area. John graduated from Coatesville Area High School in 1982, then received his AAS from Delaware County Community College and his NCIDQ from Moore College of Art. A majority of John’s career was spent as an interior designer, with his own firm (Ross Deacon Designs), as well as working with other companies.

Of note, his father, John R. Ross, Jr. worked as an engineer for Lukens and ended his career as a foreman for the Machine Shop. His grandfather, John R. Ross, was a foreman at Lukenweld. Branches of his family have been in the area since the early 1700’s. Some notable family members are Peter Babb, George Ross (signer of the Declaration of Independence), Humphrey Marshall, John Bartrum Newlin (of the Newlin Grist Mill) and the Mendanhall family. John is married to Jeffery S. Deacon and resides in Coatesville.

Sam Radziviluk

A native of Coateville, Sam was hired by the Coatesville Record as a photojournalist while still in high school. After graduation he went on to study photography at Rochester Institute of Technology.

In 1982 Sam saw an opportunity at Lukens Steel to work as a photographer for both the Public Relations and Advertising departments. For almost twenty years, Sam traveled the country creating photo essays for the Lukens Annual Report, Lukens Life Magazine, and other Lukens publications.

Sam joined the museum staff in 2009 primarily doing development. Sam is currently the Digital Manager, responsible for keeping the museum’s computers and network operational, as well as being responsible for all things “optical” at the museum. During the 2020 pandemic, it was Sam’s computer-ability to translate museum president Scott Huston’s vision of a virtual museum into reality. Sam resides in Exton, with his lovely wife, Mary.
Thank You To Our Sponsors

Peter & Ruth Nunn
Joy Rowland

Digital Visitors Continues To Grow in 2021

Communications Outreach: Facebook

Communications Outreach: Instagram

Communications Outreach: Website

Communications Outreach: YouTube
Thank you to all of our members who joined or renewed from July 1, 2021 to October 31, 2021

New Members
(Bold denotes 120” Mill Club member & above)

<table>
<thead>
<tr>
<th>Justin Chan</th>
<th>Joyce Rowland</th>
<th>George Thomas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jen French</td>
<td>Charles Stone</td>
<td>Richard Toland</td>
</tr>
</tbody>
</table>

Renewing Members
(* donates 5+ consecutive years, bold denotes 120” Mill Club member & above)

<table>
<thead>
<tr>
<th>Viola Bird*</th>
<th>Stockson Illoway</th>
<th>Alan Novak</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chip Breuninger</td>
<td>Casimir Lehenky*</td>
<td>Carol Poinier*</td>
</tr>
<tr>
<td>Dan Burgess*</td>
<td>Rodney Linderman*</td>
<td>Michael Racz*</td>
</tr>
<tr>
<td>Maurice Hare*</td>
<td>Harry Lohr</td>
<td>Gunnard Travaglini</td>
</tr>
<tr>
<td>Charles Hossack*</td>
<td>Michael Lukens</td>
<td>James Ziegler</td>
</tr>
<tr>
<td></td>
<td>Michael McNeil</td>
<td></td>
</tr>
</tbody>
</table>

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!
Sydney Tushar Wise - Intern Extraordinaire

Sydney first started working with NISHM in the fall of 2018, doing an undergraduate internship for Temple University. She was a full-time student majoring in Anthropology. She studied cultural anthropology, including topics such as medieval studies, Victorian-era literature, archaeology, and museum classes. During her internship with us she worked in all areas of Collections Management. Sydney received her Bachelor of Arts in Anthropology, with a focus in archaeology, in December of 2018. She is currently working towards her Master of Arts in History at Millersville University and is working full time in the behavioral health industry.

In the summer of 2021, as part of a graduate internship for Millersville, Sydney returned to curate the 20th anniversary September 11th exhibit. She researched and produced a digital exhibit on the topic, which can be seen on the NISHM website. She also scripted and designed a physical exhibit which can be seen at the museum’s visitor center. In addition, she helped to build a digital exhibit for a collection at Temple University, that was completed in 2018.

Sydney is an archaeologist by trade - at least until she completes her graduate degree, and then she will be a historian. As an archaeologist, Sydney has taken part in several site excavations. The most notable being the excavation of a Roman villa outside of Rome, Italy. She also took part in an excavation of a slave plantation on the island of Anguilla. After receiving her graduate degree, Sydney will pursue a career working in museums.