

Spring 2014 - Vol. 43 No. 1

# Hagley

MAGAZINE

## SAVE THE DATE

Sampler Sundays  
February and March

Hagley Bridal Show  
February 23

NatureFest  
May 3

**Hagley Brings  
RCA to the World**





# From The Executive Director

*Executive Director  
David Cole*

*Cover: Detail from Spanish advertisement for RCA Victor Radiolas from the David Sarnoff Collection*

*Back: Springtime view of the First Office.*

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"Competition brings out the best in products—and the worst in people." So said David Sarnoff, visionary broadcasting pioneer and corporate impresario behind the development of iconic firms such as RCA/Victor, RKO, and NBC. One of Sarnoff's early biographers described him as "Horatio Alger come to life"—a child of immigrants who rose from humble beginnings as an office boy to become one of the greatest innovators of the twentieth century. A recent appraisal offers an equally flattering comparison to Steve Jobs; both men possessed an uncanny ability to shape new inventions and technologies to the needs and demands of the marketplace—the essence of innovation.

Sarnoff's career spanned seven decades, and his wry observation regarding competition and its effects on products and people reflects his deep experience with the many facets—and the rough and tumble—of the corporate innovation process. Histories of the Sarnoff empire recount tales of Eureka-like moments of invention and daring corporate acquisitions, as well as failed

product launches and bruising litigation battles with competitors.

The Sarnoff story, then, is already complex and fascinating—and the plot is about to thicken. I'm delighted to announce that the Hagley Library is the recipient of a \$291,500 grant from the Council on Library and Information Resources, enabling us to make the David Sarnoff Collection publicly accessible. At the conclusion of this three-year project, scholars and students will be given the keys to a treasure trove of corporate records, personal papers, recordings, and images (nearly one kilometer's worth of material!). This unique collection promises to shed new light on the evolution of technologies that profoundly shaped the human experience over the last century, and we are thrilled that this cache has found a home at Hagley.

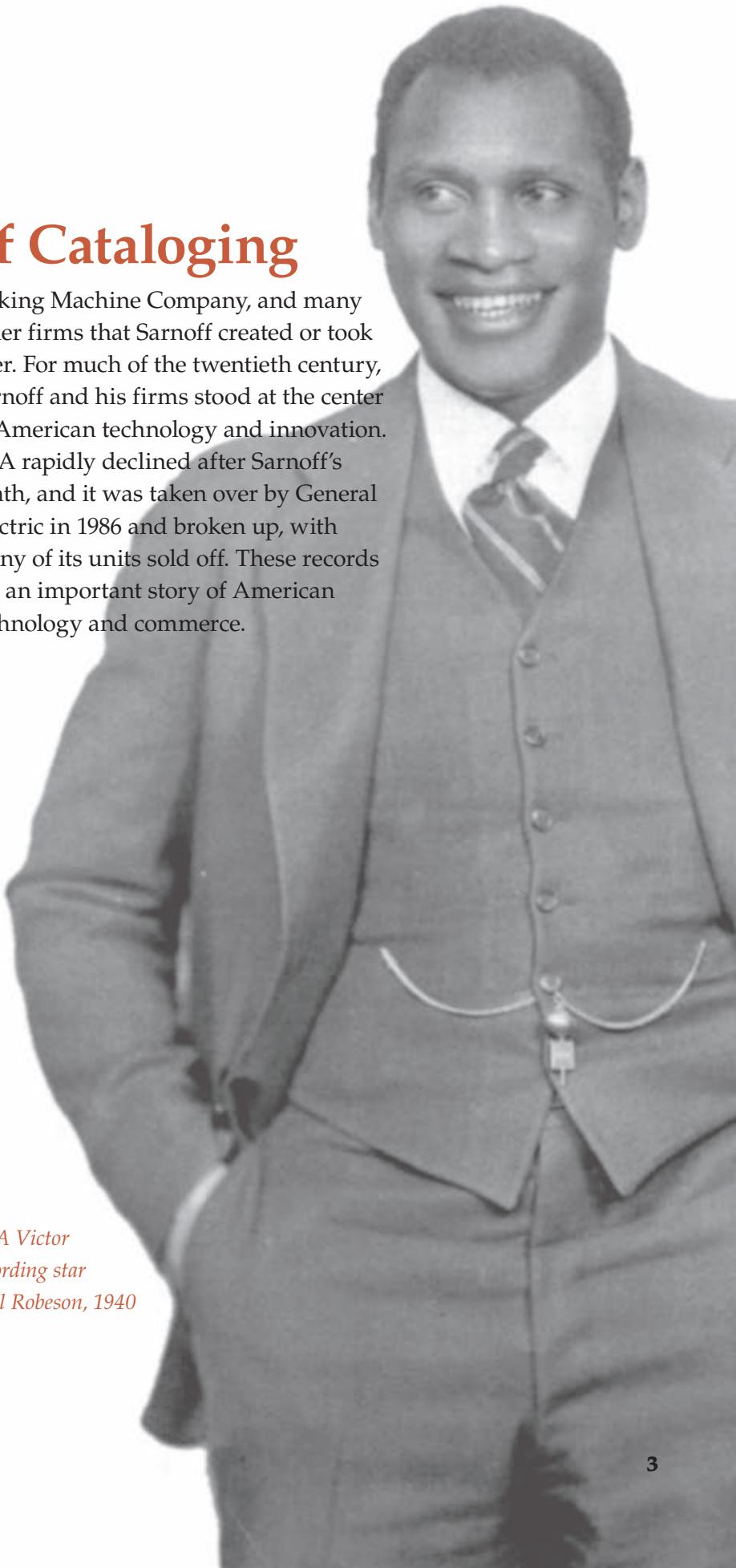
This exciting project will be finished before you know it. In the meantime, I invite you to stop by the Library—or visit us online—and explore the many other collections that make Hagley one of the world's esteemed resources for the history of business, technology, and society.

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Catherine Riley

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*How are we doing? Let us know at [www.hagley.org/contact](http://www.hagley.org/contact).*



## Grant Funds Sarnoff Cataloging

A \$291,500 grant will, at long last, allow 3,000 feet of records from the David Sarnoff Collection to be arranged, described, and catalogued.

In 2009, Hagley Museum and Library received the records, which contain the bulk of the Radio Corporation of America's corporate records and thousands of technical reports from its research and development facilities, and also Sarnoff's voluminous personal correspondence, films, negatives, photographs, recordings, interviews, and scrapbooks. The sheer bulk of the collection made it impossible for Hagley to catalog the contents and make everything available to researchers in a short time frame.

Thanks to this generous grant from the Council on Library and Information Resources through its Cataloging Hidden Special Collections and Archives program, the material will be made fully available to the public by the start of 2017.

Sarnoff (1891-1971) is synonymous with the rise of American broadcast media, consumer electronics, personal computing, the recording and film industries, and military contracting. Born to a Jewish Belarusian family that immigrated to the United States, Sarnoff rose to build an enormous corporate empire centered on RCA, but also including the National Broadcasting Company, film distributor RKO, record and phonograph producer Victor

Talking Machine Company, and many other firms that Sarnoff created or took over. For much of the twentieth century, Sarnoff and his firms stood at the center of American technology and innovation. RCA rapidly declined after Sarnoff's death, and it was taken over by General Electric in 1986 and broken up, with many of its units sold off. These records tell an important story of American technology and commerce.

*RCA Victor  
recording star  
Paul Robeson, 1940*



## Winter Schedule, Sampler Sundays

*Hagley's iconic yellow boxcar next to the millrace.*

### Sampler Sundays

Sundays in February and March

\$5 - Powder Yard and Workers' Community

\$5 - Guided tour of du Pont residence

\$10 - Both options

Free for members

Special \$10 sampler at the Belin House Organic Café

For more information, visit [www.hagley.org](http://www.hagley.org).

Winter is the season for new touring arrangements and a wonderful new way for visitors to experience Hagley during the early months of the year.

In February and March, Hagley is on its winter weekday schedule for museum visitation. Monday through Friday from 9:30 a.m. to 4:30 p.m., the Visitor Center and lower property are open to guests to explore on their own. In addition, ninety-minute guided tours that include the powder yards, the Residence, and Workers' Hill are offered at 10:30 a.m. and 1:30 p.m. and begin in the Visitor Center. On Saturdays, Hagley operates under its normal schedule of tours and demonstrations. The Belin House Organic Café operates under its normal hours seven days a week, 11 a.m. to 3 p.m.

On Sampler Sundays in February and March from 9:30 a.m. to 4:30 p.m., visitors can enjoy much of what our members value so much—the beautiful Brandywine, the historic powder yards, the du Pont family home, the workers' world, and the delightful Belin House Organic Café. For \$5 guests can choose to experience the powder yard and the workers' community or take a guided tour of the du Pont residence; or both options for \$10. Tours of the residence will be in small groups, and guests will be given timed tickets for their tour.

On Sampler Sundays the Belin House Organic Café offers a \$10 sampler of their most popular items: a crabcake slider, a house-roasted barbecue pork slider, and an eggplant parmesan slider with fries.



*Photos left and upper right  
by Ashley Schroeder*

## Science Saturdays Get New Wheels

Have you visited a Science Saturday event at Hagley yet? This monthly program features fun science challenges for families to work together to solve. You can use your creativity and ingenuity to build a solution, test it out, see how it works, and try to make it better and better.

Hagley's Science Saturdays are a fun way to encourage experimentation and help with the development of critical thinking skills for people of all ages.

Spring 2014 Science Saturdays will be enhanced by a new science cart. This cart will provide mobility for Science Saturday programs, allowing activities in a variety of locations. Work spaces at different heights will allow family members of all ages to be involved in solving challenges.

February 22 will challenge families to "bridge the divide." What types of bridges will hold the heaviest load? What bridge designs are the strongest? Experiment to find out.

March's Science Saturday will focus on wind. Get a sneak peek of some of the activities we have planned for NatureFest 2014. In April, discover how to combine simple machines to move a "powder keg" from place to place.

Science Saturdays are included in regular admission and free for members. Science Saturdays are sponsored in part by Delmarva Power.

*Visitors of all ages are encouraged to experiment at Science Saturdays.*

### Science Saturdays

February 22 - 1 to 4 p.m.

Bridge the Divide

March 22 - 1 to 4 p.m.

Wind!

April 26 - 1 to 4 pm.

Move the Powder Keg

Included in regular admission.

Free for members.

For more information, visit [www.hagley.org](http://www.hagley.org).

## Spring Author Talk Series

Three authors will share insights about their books in free talks this spring at the Soda House.

### **"Gettysburg, the Holocaust, and Iron: Using GIS (Geographic Information Systems) to Understand the Past"**

On Thursday, February 27, Kelly Anne Knowles will show how today's Geographic Information Systems help us understand the development of Pennsylvania's iron industry in the 1800s, choices made by Robert E. Lee at Gettysburg in 1863, and the development of the Holocaust during World War II. She teaches at Middlebury College and is a pioneer in applying GIS to history. Her book, *Mastering Iron: The Struggle to Modernize an American Industry*, will be available.

### **"Black Powder, White Lace: The Irish Community at Hagley"**

On Thursday, March 27, Margaret Mulrooney will tell the story of the thousands of Irish immigrants and their descendants who lived and worked along the banks of the Brandywine Creek, many employed at the DuPont Company's Hagley powder yards. Mulrooney (a graduate of Wilmington's

#### **Spring Author Talk Series**

All author talks are held at 7 p.m.

Talks are free and open to the public. Reservations requested, contact Carol Lockman at (302) 658-2400, ext. 243, or [clockman@hagley.org](mailto:clockman@hagley.org)



Padua Academy) is associate vice provost at James Madison University. Copies of her book, *Black Powder, White Lace: The du Pont Irish and Cultural Identity in Nineteenth Century America*, will be available.

### **"Telegraphs for the 1 Percent, Telephones for the People: How America Became a Network Nation"**

On Wednesday, April 23, Richard R. John will trace how the telegraph and telephone transformed America by providing instantaneous communication between widely separated locations. Initially they were both specialty devices for elites, but after 1900 telephones became widely available for most Americans, and universal service became a guiding principle of American governments. He teaches in the Columbia University School of Journalism. Copies of his book, *Network Nation: Inventing American Telecommunications* will be available.



*Photos left and upper right  
by Ashley Schroeder*

## Spring Walking Tours

Last fall, Hagley guests jumped at the chance to explore the site on two new guided walking tours. The Sights, Sounds, and Smells (black powder) and Rocks and Roll Mills (geology) walking tours will be offered again this spring.

Sights, Sounds, and Smells gives visitors an in-depth, behind-the-scenes look at the black powder process. Try your hand at graining some powder and don't miss the explosive finish!

Rocks and Roll Mills allows visitors to explore the geology of the Brandywine Valley and its impact on the milling industry born on its banks. Take home a blue rock souvenir!

A new walking tour, H2Oh!, explores the water power of the Brandywine and will be introduced in May. The Brandywine drops more than

124 feet in its last 5 miles as it winds its way through Delaware. This natural source of power created a major hub of the Industrial Revolution in America. This walking tour will explore the basics of how water power was converted into mechanical power to supply the powder yards and will look at how Hagley is bringing water power back to the site to become more sustainable.

Hagley is a great place to walk any time of year, and members are welcome to walk the lower property 7 a.m. to 4:30 p.m. weekdays and 9:30 a.m. to 4:30 p.m. weekends. Please be sure to check in at the Visitor Center before heading out on the property.

*Visitors of all ages enjoy walking tours at Hagley.*

### Spring Walking Tours

March 22, April 12,  
and May 31  
Sights, Sounds, & Smells

March 29, April 19,  
and May 10  
Rocks & Roll Mills

May 3 - H2Oh!

Tours leave twice each day  
from the Visitor Center at  
11 a.m. and 2 p.m.

Tours are included with  
admission and are free for  
members but reservations  
are recommended. Call  
(302) 658-2400, ext. 261.



Photos by Ashley Schroeder



*Activities at NatureFest  
celebrate the natural world.*

**NatureFest**

Saturday, May 3  
10 a.m. to 4 p.m.  
\$2 for members  
\$5 for not-yet-members  
Free for all children  
5 and under.  
Use Hagley's Buck  
Road entrance.

## NatureFest: The Power of Wind

Join us on Saturday, May 3, for Hagley's third annual NatureFest. This event celebrates the science and beauty of the natural world with fun, hands-on activities for the whole family.

This year's event will explore the theme of wind. Discover the many ways that wind helps us, from pollinating plants to creating energy. Investigate the birds that soar above the trees and gentle breezes that turn into superstorms. Join a nature hike, explore the E. I. du Pont garden, and take a behind-the-scenes tour of the greenhouse.

Eleuthère Irénée du Pont, the founder of the DuPont Company, was an avid lover of the natural world. He declared his occupation as "botaniste" when he immigrated to America with

his family, and he and his wife, Sophie, shared their love of nature with their children. The family established a tradition of taking a nature walk on the first day of May. It is in their honor that we hold this celebration every year.

Hagley looks forward to welcoming new and returning partners from the community this year to bring diversity and fun-filled activities to the day.

Visit [www.hagley.org](http://www.hagley.org) for more information.



*Photo top right by Laszlo Bodo*

## Innovation with Libations

Join Golden Pheasants members on Thursday, June 5, from 5:30 to 7:30 p.m. for an evening of innovation along the Brandywine. Quench your thirst for knowledge with this night of networking.

This spring event celebrates the completion of a three-year project to restore water power to our operating 1870s machine shop in the historic powder yards. Be one of the first to see Hagley take one of its exhibitions “off the grid” and return clean, green water power to the site through the use of a historic turbine. Curator of Mechanical Exhibitions, John McCoy, who led the turbine project, will be on hand to share with guests the stories of trial, error, and innovation that brought this project to fruition. In addition, at this fun-

filled evening along the Brandywine, activities will include tours and demonstrations. You won’t want to miss seeing our historic machine shop where parts of the turbine were made, the only operating roll mill in the country, and our unique rock quarry. There is also a special sneak peek of H2Oh!, our newest walking tour focusing on water power.

Enjoy light refreshments, specialty beers to sample, and cannon firings to salute spring at Hagley. Cost is \$15 for members and \$20 for non-members. You can join the Golden Pheasants and/or sign up to attend this event at [www.hagley.org](http://www.hagley.org). Must be 21 years or older to attend. For more information, call the membership office weekdays at (302) 658-2400, ext. 235 or e-mail Kim Kelleher at [kkelleher@hagley.org](mailto:kkelleher@hagley.org).

*Top right: Golden Pheasants enjoy a reception and a chance to mix and mingle.*

*Bottom right: Volunteer Irv Levine and Curator of Mechanical Exhibitions John McCoy work on the turbine.*

*Left: Hagley's Machine Shop, which will soon be powered by the turbine.*



Photos on left  
by Ashley Schroeder

*Summer camps feature  
a variety of activities.*

#### **Summer Camps**

June 23-27 – Lost Arts and Skills (ages 7-9)

July 7-11 – How to Succeed in the 1800s! (ages 9-11)

July 28-August 1 – Gears, Engineers, and Science Frontiers (ages 10-12)

Cost: \$250 per week for members, \$300 per week for not-yet-members

To register, visit  
[www.hagley.org/camp](http://www.hagley.org/camp)

## **Fun, Friends at Summer Camps**

Hagley's 2014 summer camps promise to provide lots of exciting activities and create wonderful memories. This summer Hagley will hold three week-long summer camps.

"How to succeed in the 1800s!" a new camp, explores many of the jobs and detailed craftsmanship that guaranteed Hagley's success in the nineteenth century. Campers will become stone masons, coopers, farmers, teachers, and more. A "jobs fair" at the end of the week will show parents what their children accomplished.

The "Lost Arts and Skills" camp returns with new hands-on activities and takes campers on a journey through daily life in the 1800s. Before shopping malls and fast food, children learned to make their own toys, prepare snacks

from fresh ingredients, work with wood, fish, and use many other "lost arts."

In "Gears, Engineers, and Science Frontiers," campers take on fresh engineering challenges from building catapults to electrical circuits. They will conduct experiments to uncover the properties of mystery materials and see how technology has changed over time from the waterwheel to solar energy.

Camps cost \$250 per week for members, \$300 for not-yet members. Multi-camp discount, early bird discount, and extended care are available, visit [www.hagley.org/camp](http://www.hagley.org/camp) for registration and details. For information or for a brochure, contact Jeff Durst at (302) 658-2400, ext. 285, or [jdurst@hagley.org](mailto:jdurst@hagley.org).



*Photo upper right  
by Ashley Schroeder*

## Nylon Exhibition Extended

In February of 1942 the new War Production Board ordered that all nylon production be allocated for wartime use. The same properties that made it a consumer favorite made it invaluable to the military for everything from parachutes to bomber tires. But nylon's allocation to the war effort left a hole in the consumer market, and not just for stockings. Blouses, slips, and other garments made of nylon were no longer available and would remain so for the duration of the war.

On August 22, 1945, the board allowed nylon production for consumer goods. An amendment allowing the use of nylon in hosiery again was issued shortly afterwards.

Nylon materials designed for military use were quickly turned into

consumer products. For example, a slip in the exhibition is made from surplus nylon fabric, probably intended for parachutes. It took nearly a year following the end of World War II for nylon production to catch up with demand and for nylon to regain its place in American closets.

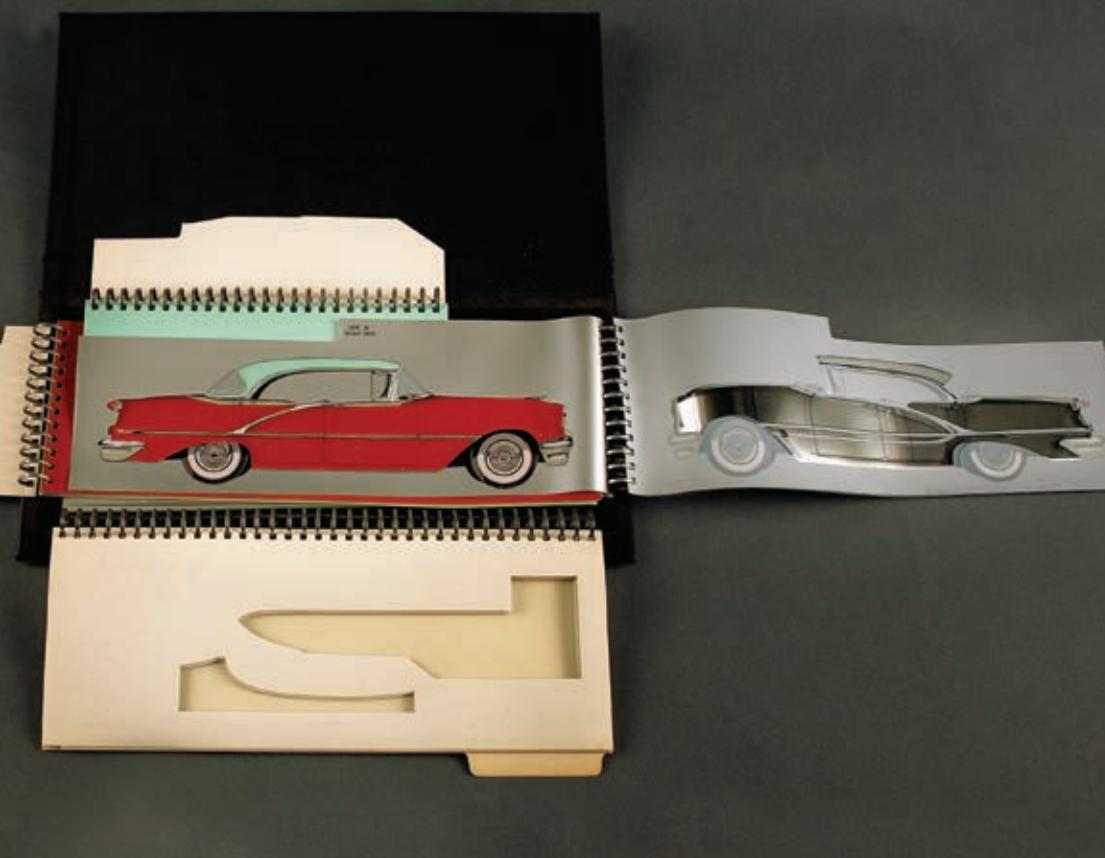
This is just one of the fascinating stories told in "Fashion Meets Science: Introducing Nylon," now on view in the Visitor Center. The exhibition explores the science that created nylon and its impact on the fashion world. More than 150 historic images and artifacts, including a number of one-of-a-kind couture fashions, tell the dramatic story of nylon. The exhibition has been extended through January 25, 2015, and is open daily from 9:30 a.m. 4:30 p.m.

*Left: The first postwar nylon sale in San Francisco was so mobbed that newspapers called it the "Nylon Riots." 1945-1946*

*Top right: A young visitor examines a display of nylon stockings.*

*Bottom right: Actress Betty Grable auctioned her stockings at a war bond rally for \$40,000; 1943.*

*Sponsored in part by  
W. L. Gore & Associates,  
Inc., and Lyons Companies.*



## Automotive Collection Opens

*This unique piece in the collection allowed potential car buyers to view their desired automobile in various body styles and colors.*

### Z. Taylor Vinson Collection

The finding aid is available on the Hagley website. For information, please contact us via Ask Hagley at [www.hagley.org](http://www.hagley.org).

Hagley is pleased to announce that the Z. Taylor Vinson Collection is now open for research.

This collection consists of more than 700 cubic feet of automotive memorabilia and documents covering 1,900 international automobile manufacturers from 1893 to 2009. Processing of this massive collection was recently completed thanks to a three-year Council on Library Information Resources (CLIR) Hidden Collections grant.

Zachary Taylor Vinson's personal and professional life revolved around automobiles. He was born July 7, 1933, in Martinsburg, West Virginia. As a young child, Vinson became enamored with automobiles. At the age of seven he had his parents drive him down "Automobile Row" and wait while he ran

in and out of each showroom collecting the latest sales literature. Vinson grew up, of course, but he never outgrew his passion for automobiles. He continued to collect automotive sales catalogs while working to become a senior lawyer with the National Highway Traffic Safety Administration when the new U.S. Department of Transportation opened in 1967. Vinson held that position until his retirement in 2003, but he continued to collect until he passed away in 2009. Vinson always intended that his collection would find a home in a repository where researchers could freely access the material. Vinson had a long-standing relationship with Hagley Museum and Library, and his estate accordingly donated his collection to Hagley in 2010.



## Wartime Identification Badges

A small collection of photo identification badges donated by Stona Fitch of Concord, Massachusetts, gives us a glimpse of badges that are almost 100 years old.

Five badges in this collection are particularly interesting because of their dates. The earliest badge, dated December 2, 1916, is from the DuPont Parlin, New Jersey, plant. When this man was hired, the plant was producing munitions for World War I.

Of special significance are four badges from the DuPont Engineering Company that built the Old Hickory Works outside Nashville, Tennessee. Old Hickory was constructed for the government and operated by DuPont to produce smokeless gunpowder. Production began in July 1918, and these

men were hired in the next two months. After building the country's largest smokeless gunpowder plant with about 30,000 workers, DuPont turned it over to the government in 1919. Old Hickory remained in operation for only a short time since large amounts of smokeless gunpowder were no longer needed after the war.

These badges represent men hired by DuPont to make munitions and gunpowder during times of war. Most interesting is that none include their name. Only their image on the approved badge permitted access.

The badges are not currently on public display, but may be included in a future exhibition.

*Left: DuPont employee badge from Parlin, New Jersey; 1916.*

*Right: DuPont Engineering Company badges from Old Hickory Works, Tennessee; 1918.*



*Photos by Ashley Schroeder*

## Hagley Reaches Out

*The Fender Blender allows visitors to create beautiful art in a rotating tub on the back of a mounted bicycle.*

Hagley, the du Pont family, and the DuPont Company have a long history of giving back to the community. Today is no different. We realize that many people cannot come to us, so each year we look for new opportunities to take Hagley to the community.

This past fall, Hagley staff and volunteers took Victorian paper craft activities to the Festival of Trees, nineteenth-century games to the Brandywine Village Fair, and the Fender Blender (teaching about mechanical energy), to the Silverside Church Green Fair. Each event allowed us to introduce Hagley to people who have never visited us and to expand our audience.

One of our most rewarding outreach efforts is our monthly visit to patients at Nemours Hospital for Children. Each

month our staff spends an afternoon providing meaningful activities for patients and for siblings who are visiting. It's really tough to be a kid who needs to be in a hospital. Our efforts make it a little easier for them and their families to get through challenging times and circumstances.

In addition to taking our show on the road, we also give back in other ways. In 2013, we worked with other organizations to reach out to those in need, including gathering letters to families who lost someone in combat through Delaware Survivor Outreach, making valentines for residents of Foulk Manor Senior Community, and collecting more than 950 pounds of donated goods for Goodwill at last year's Invention Convention.



## Crowninshield Society

Fifty years ago this spring, the Eleutherian Mills Residence was first opened to the public as part of Hagley Museum. This important piece of du Pont family history came to Hagley in 1952 from Louise du Pont Crowninshield (1877-1958), who continued to live there periodically until her death in 1958. Members of the family occupied the house from its completion in the summer of 1803 until 1890, when Mrs. Henry du Pont (1816-1900) moved from the residence following a severe powder yard blast. The home was purchased by her son, Henry A. du Pont (1838-1926), for his daughter Louise after the powder mills closed, and together they made extensive renovations.

To honor Mrs. Crowninshield for her generosity, the Crowninshield Society

at Hagley was established to recognize those individuals who have made provisions for Hagley through their estate plans. It is fitting that our society honoring those who make planned gifts be named for this remarkable friend of Hagley, who made a transformational impact on the institution.

We would love to hear from you. If you are interested in including Hagley in your estate plans, or already have, please contact Jill MacKenzie, director of External Affairs and Development, (302) 658-2400, ext. 302, [jmackenzie@hagley.org](mailto:jmackenzie@hagley.org).

*Eleutherian Mills,  
the du Pont family  
ancestral home.*



## Jon Williams Retires After 43 Years

*Top left: Jon Williams with B. Bright Low, when Jon started working at Hagley in Hagley's Research and Reference Department.*

*Bottom left: Jon playing the piano for a Hagley member event, Music on the Brandywine.*

*Right: Jon leading a bird watching expedition at Hagley during a May Day Walk.*

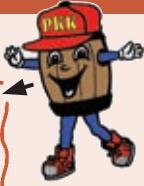
Jon Williams, the Andrew W. Mellon Curator of Prints and Photographs at Hagley, has retired after more than forty-three years. For many of us, it's the end of an era.

After finishing an undergraduate degree in history at Oberlin College in 1969, he served briefly at the Historical Society of Delaware before joining the research and reference department at Hagley Library in 1970, then known as the Eleutherian Mills Historical Library. By 1974, he had begun to specialize in prints and photographs, eventually becoming their curator. When Hagley met its obligation in a challenge grant in 1999, his position was endowed through the generosity of Hagley's donors and the Andrew W. Mellon Foundation.

Jon has been an author and co-author on several articles on Hagley's pictorial collections that have appeared in *Delaware History*, *History of Photography*, *A Historical Dictionary of American Industrial Language*, and other publications. He has curated many exhibitions at Hagley, most recently "100 Years of the Nation's Business: Photographs from the Collection of the Chamber of Commerce of the United States" (2012).

In addition to his curatorial duties, he managed Hagley's annual fireworks show for seventeen years through 2005.

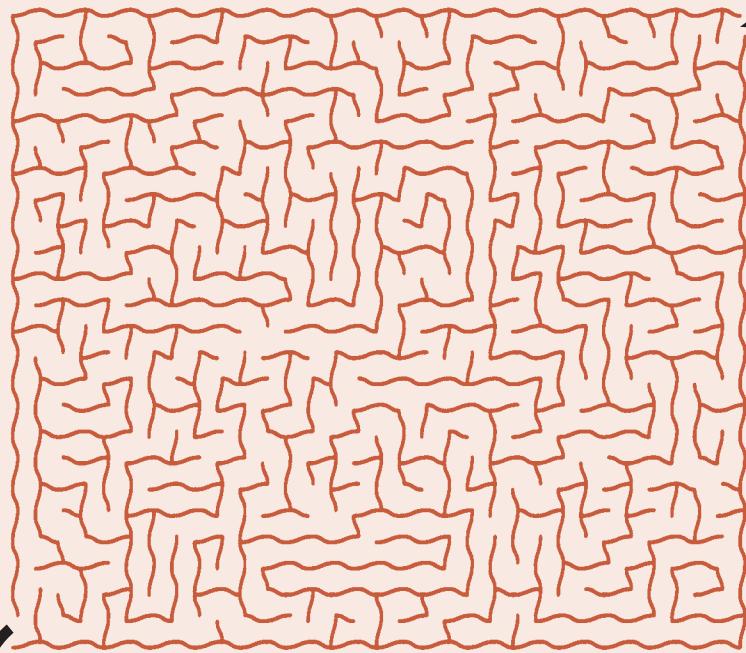
In retirement Jon will continue his hobbies of reading and birdwatching. Jon also plays piano with Tex Wyndham and the Red Lion Jazz band, as well as the Ardensingers.



At Hagley's **Science Saturdays** held the fourth Saturday of the month, you and your family can work creatively together to solve a science challenge.

Can you match the name of the science field on the left with its main topic on the right?

- |                 |                              |
|-----------------|------------------------------|
| A. Ecology      | 1. atmosphere                |
| B. Oceanography | 2. animal kingdom            |
| C. Geology      | 3. ocean                     |
| D. Meteorology  | 4. plants                    |
| E. Zoology      | 5. organisms and environment |
| F. Botany       | 6. insects                   |
| G. Entomology   | 7. solid earth               |



During **Sampler Sundays** at Hagley on Sundays in February and March, visitors can get a taste of what Hagley has to offer for just \$5! Can you help the Powder Keg Kid find his way to Hagley's Visitor Center?

### NATUREFEST WORD SEARCH

On Saturday, May 3, come celebrate Arbor Day, Earth Day, and May Day at this special nature-centered event at Hagley! Find the nature-related words in the grid of letters below.

#### WORD LIST

BEE  
BLOSSOM  
BUD  
BUTTERFLY  
CROCUS  
DAFFODIL  
EGG  
FLOWER  
INSECT  
NEST  
POLLEN  
RAIN  
RIVER  
ROBIN  
SNOWDROP  
TULIP

T K A Q F S G Z S L K C S M M R S D O R C H M A P  
C B U D L N O O F I S U C O R C E V A N O E I F O  
E X O R G O D D B P N V S Y X P T W E F U B Q C T  
S Q Y X E W A Z J K Z P K U L B R L O Y F B I F N  
N S C B Y D R I V E R M C N L O L C D L E O T N I  
I H M H V R Y F G U U Q J O E O S N I C F G D W A  
L L N K A O N E B S P P S G P G X Z T D S S S I R  
C L Y Z N P L Z S X Z S M E Z L G O X G W E S T L  
T B U T T E R F L Y O K V B S S K X M O E X Q C S  
Z S J K M U S E C M P W H E K N J E R B Z F F Z V  
H O E R O T Q Z Y L I C D G V C F D J V G K A K D  
M A B N O U T S I L C J K I M O Z P H T Z B Q L V  
D T F N J L J V M B S S N K R F C N C U W Z P V L  
O H B K B I X D O P J M L E G K D B V G G B A E D  
P Z W O D P P S E W L A Z V Y Q C X S U Q J D E J  
P N I R Z V A U F M H N Q S L U Z P I S J C C Z L  
O S E X I J S C O O T B J X O U L Q V K H C S G M

A-5, B-3, C-7, D-1, E-2, F-4, G-6  
ANSWERS: SCIENCE SATURDAYS:



# EVENTS CALENDAR

Hagley Museum is open daily from 9:30 a.m. to 4:30 p.m., and closed Thanksgiving Day and Christmas Day.

The Belin House Organic Café is open daily 11 a.m. to 3 p.m.

For guided tours, research library hours, and event details, visit [www.hagley.org](http://www.hagley.org).



Models at the Hagley Bridal Show wearing the latest in bridal fashion.

Connect with us!



## Sundays in February and March

### Sampler Sundays

Winter is the perfect time to introduce new friends and guests to all the wonders of Hagley. On Sundays in February and March, visitors can choose to experience the powder yard and the workers' community or take a guided tour of the du Pont residence for \$5, or both options for \$10. The Belin House Organic Café will have a special sampler menu offering.

### Saturday, February 22, 2014 - 1 to 4 p.m.

#### Hagley Science Saturday: Bridge the Divide

Today's activity involves building a bridge out of a variety of materials and testing to see how much weight it will hold. Activities are included with general admission and are free for members.

### Sunday, February 23, 2014 - Noon to 3 p.m.

#### Hagley Bridal Show

Your special day deserves a special place.... Hagley! Join us for complimentary hors d'oeuvres, music, and the opportunity to meet our preferred partners. Free admission, registration required, visit [www.hagleyweddings.com](http://www.hagleyweddings.com). Held in the Soda House, use Hagley's Buck Road East entrance off Route 100.

### Thursday, February 27, 2014 - 7 to 9 p.m.

#### Author Talk: Anne Kelly Knowles, "Gettysburg, the Holocaust, and Iron: Using GIS (Geographic Information Systems) to Understand the Past"

What could General Robert E. Lee see at Gettysburg, and how did his view of the battlefield influence his fateful decisions? Free and open to the public. Reservations requested, contact Carol Lockman at (302) 658-2400, ext. 243, or [clockman@hagley.org](mailto:clockman@hagley.org). Held in the Soda House, use Hagley's Buck Road East entrance off Route 100.

### Saturday, March 22, 2014 - 1 to 4 p.m.

#### Hagley Science Saturday: Nature and Air

Today's activity will focus on nature and air. Activities are included with general admission and are free for members.

### Saturdays, March 22, April 12, and May 31

### 11 a.m. and 2 p.m.

#### Spring Walking Tour - Sights, Sounds, & Smells

Get an in-depth, behind-the-scenes look at the black powder process. Included with admission. Reservations recommended, (302) 658-2400, ext. 261.

#### Author Talk: Margaret Mulrooney, "Black Powder, White Lace"

### Thursday, March 27, 2014 - 7 p.m.

This author talk will tell the story of the thousands of Irish immigrants and their descendants who lived and worked along the banks of the Brandywine. Free and open to the public. Reservations requested, contact Carol Lockman at (302) 658-2400, ext. 243, or [clockman@hagley.org](mailto:clockman@hagley.org). Held in the Soda House, use Hagley's Buck Road East entrance off Route 100.

## Saturdays, March 29, April 19, and May 10

### 11 a.m. and 2 p.m.

#### Spring Walking Tour - Rocks & Roll Mills

Explore the geology of the Brandywine Valley and its impact on the milling industry born on its banks. Included with admission. Reservations recommended, (302) 658-2400, ext. 261.

### Thursday, April 10, 2014 - 6:30 p.m. to 8 p.m.

#### "Buying for the Baby Too Soon? Marketing to Pregnant Women and its Implications for Early Pregnancy Loss"

This seminar by Lara Freidenfelds is free, open to the public and held in the Library. For a copy of the paper, contact Carol Lockman at [clockman@hagley.org](mailto:clockman@hagley.org). Use Hagley's Buck Road East Entrance off Route 100.

### Wednesday, April 23, 2014 - 7 p.m.

#### Author Talk: Richard John, Columbia University, "Telegraphs for the 1 Percent, Telephones for the People: How America Became a Network Nation."

John will trace how the telegraph and telephone transformed America by proving instantaneous communication between widely separated locations. Free and open to the public. Reservations requested, contact Carol Lockman at (302) 658-2400, ext. 243, or [clockman@hagley.org](mailto:clockman@hagley.org). Held in the Soda House, use Hagley's Buck Road East entrance off Route 100.

### Saturday, April 26, 2014 - 1 to 4 p.m.

#### Hagley Science Saturday: Move the Powder Keg

Today's activity will allow visitors to use simple machines to try and move a "Powder Keg" from one spot to another. Activities are included with general admission and are free for members.

### Saturday, May 3 - 10 a.m. to 3 p.m.

#### NatureFest

This event celebrates the science and beauty of the natural world with fun, hands-on activities for the whole family. Admission is \$2 for members, \$5 for not-yet-members, and free for all children five and under. Use Hagley's Buck Road East entrance off Route 100.

### Saturday, May 3 - 11 a.m. and 2 p.m.

#### Spring Walking Tour - H2O!

Explore the water power of the Brandywine! Included with admission. Reservations recommended, (302) 658-2400, ext. 261.

### Thursday, May 8, 2014 - 6:30 to 8:30 p.m.

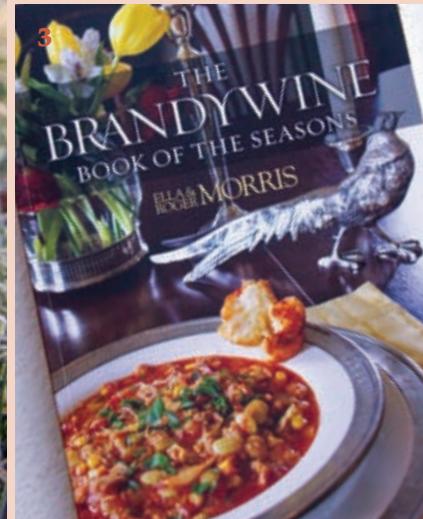
#### "Dear Friend": The Rodale Press and the Business Culture of Direct Mail Marketing in the Postwar United States"

This seminar by Andrew Case is free, open to the public, and held in the Library. For a copy of the paper, contact Carol Lockman at [clockman@hagley.org](mailto:clockman@hagley.org). Use Hagley's Buck Road East Entrance off Route 100.

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Photos by Ashley Schroeder

## Floaters, Flyers, and Fixing Food

### 1) Hovercraft

Learn about hovercraft technology while building your own! This kit includes detailed instructions and all of the required parts so that you'll have your very own floating craft.

*Item #22220 - \$19.95*

### 2) Beautiful Paper Birds Kit

Create amazing, realistic models of your favorite backyard birds with the illustrated instruction book. This kit includes sixteen life-like paper birds and ideas for displaying them.

*Item #6534 - \$18.95*

### 3) *The Brandywine Book of Seasons*

**by Ella and Roger Morris**

The Brandywine Region encompasses northern Delaware and much of Chester County, Pennsylvania. The area is incredibly rich in history and natural beauty.

This book contains more than forty-five illustrated recipies from the Brandywine, complete with natives of the region presenting their favorites.

Those familiar with Hagley will recognize Chef Dan Butler, one of the natives featured in the book.

*Item #6605 - \$29.95*

### Hagley Store Information

Visit the Hagley Store online at [www.hagley.org](http://www.hagley.org).

Hagley members receive a 10 percent discount at the Hagley Store.

Open daily from 9:30 a.m. to 5 p.m.  
(302) 658-2400, ext. 274



MAGAZINE

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*Photo by Ashley Schroeder*