

Smithsonian Affiliate

Fall 2018 - Vol. 47 No. 3

Hagley

MAGAZINE

SAVE THE DATE

Hagley Car Show
September 16

Hayrides at Hagley
October 13, 14, 20, 21, 27, & 28

Hagley Craft Fair
October 20 & 21

Hagley's Patent Models Exhibition in Beijing





From The Executive Director

Executive Director David A. Cole

Cover: Hagley's patent models on exhibition at the Tsinghua University Art Museum, Beijing.

Back: Young visitors enjoy a bounce-around at Fireworks at Hagley.

It was Mark Twain who once said that “a country without a patent office and good patent laws is just a crab and can’t travel any way but sideways and backwards.” I was reminded of this witticism earlier this year, when I was witness to a once-in-a-generation cultural event, halfway around the world.

On May 30, I was privileged to speak at the opening of a special exhibition, created by Hagley, for the National Museum of China in Beijing. Located next to the Forbidden City and Tiananmen Square, the cultural and political heart of China, the National Museum has played host to many significant exhibitions over the years. The grand opening of “Power of Innovation: Patent Models from the United States of America,” however, was a landmark event. It marked the first time that an American history museum had been invited to present an exhibition in the world’s largest museum. Moreover, for Hagley, it was an opportunity to showcase highlights from our world-class collection of patent models—rare exemplars of America’s peerless legacy of innovation and entrepreneurship—on an international stage.

To understand why Hagley was accorded this honor, we must realize that our Chinese

hosts have taken the essence of Twain’s observation to heart. China’s leadership is gradually embracing what America’s founders grasped when they built provision for a patent system into Article I of the U.S. Constitution: that a nation’s economic fortunes and national security are predicated on its support for

“Power of Innovation” was an electrifying start to what promises to be an exciting, global journey.

inventors and the laws that protect their property rights.

“Power of Innovation” captured this fundamental insight, and the patent models it presented—eye-catching artifacts of past invention—conveyed it to a global audience in Beijing. In the years ahead, we envision traveling these models, and the messages they embody, all over the world—even as we create a permanent site for the models at Hagley. “Power of Innovation” was an electrifying start to what promises to be an exciting, global journey.

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Contact us at askhagley@hagley.org.



Hagley Museum and Library gratefully acknowledges the following sponsors of "Power of Innovation" for their leadership and support of this historic exhibition:

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Millions See Patent Models in China

After a successful run this spring at the Tsinghua University Art Museum, Hagley's exhibition of nineteenth-century United States patent models went on display at the National Museum of China. While at this esteemed institution on Beijing's Tiananmen Square, the exhibition was viewed by more than two million visitors. It is now on its way to Wuhan for display at the Yangtze River Civilization Museum.

People who follow Hagley probably noted that the National Museum of China was not part of the original exhibition plan. The exhibition at Tsinghua was so well received that the Chinese government requested an installation of the patent models go to its premier museum during June and July. "Power of Innovation: Patent Models from the United States of America" showcased remarkable stories of invention that chronicle

the development of the U.S. patent and intellectual property system in the 1800s. The patent models in the exhibitions in China date from 1836 to 1890.

Hagley Executive Director David A. Cole spoke at the opening ceremony on May 30. During his remarks, he noted that "The exhibition is designed to inspire visitors by exploring the innovative thinking behind some of America's greatest inventions and highlighting the importance of a robust intellectual property system."

The National Museum of China is on the eastern side of Tiananmen Square in Beijing, China. The museum's mission is to provide education about the arts, history, and culture of China. It is directed by the Ministry of Culture of the People's Republic of China.

Left: Visitors view Hagley's patent models at Tsinghua University Art Museum.

Top: National Museum of China, on Tiananmen Square.

Bottom: Hagley Executive Director David Cole (third from right) at the opening ceremony.



Patent Model Display and Tour

Second Saturday Patent Model Tour

Second Saturday of the month

11 a.m. to 12:30 p.m.

Included with museum admission

Reservations recommended,
call (302) 658-2400 ext. 261 or
visit www.hagley.org/sspmt.

United States patent models reflect the range of inventions patented in the nineteenth century, including machinery used when the DuPont Powder Yards were in operation. Hagley's Millwright Shop lobby now has a case of patent models related to gunpowder and machinery in the powder yards. The display is designed to help visitors connect patented inventions and the machinery they see at the steam engine and at the machine shop.

Of special interest is the 1859 model of an improvement in attaching the heads of metallic powder kegs, patented by James Wilson, Charles Green, and William Wilson, Jr., from Wilmington, Delaware. Green and Wilson made metallic gunpowder kegs for DuPont and at one point operated their business in Breck's Mill, just downstream from Hagley.

Another opportunity to learn more about Hagley's fascinating patent models is to sign up for the new second Saturday patent model tour. The tour begins 11 a.m. at the Visitor Center, followed by a ride through the property. Visitors will have a guided tour of the current display in the library, which features more than eighty patent models. These patent models reflect a broad spectrum of invention, everything from the practical (a Mason jar), to the whimsical (a hill for sledding), to the necessary (a prosthetic leg).

Afterward, visitors will return to the Powder Yards, where they may tour the rest of the museum on their own.



Photos top and bottom by Kerry Harrison

Car Show Features Hot Rods, Customs

There are many theories as to how the term “hot rod” was created. The first part refers to the act of “hotting up” a car, modifying it for better performance. The second part may be a shortened version of “roadster,” a two-door vehicle used as the base for early hot rods.

While hot rods have been around since the early 1930s, *Hot Rod* magazine was founded in 1948 as the trend became popular. The national Hot Rod Association was founded a few years later in 1951 to provide safe environments for racing “hotted-up” vehicles.

Custom cars have also been modified for performance, but differ from hot rods with their focus on custom paint jobs and aftermarket accessories to reflect the owner’s individual style.

While both trends have their similarities, dozens of television shows reflect the

differences of their audiences. Shows such as *Roadkill* and *Top Gear* focus on test-driving and performance, while shows such as *Counting Cars* and *West Coast Customs* focus on the process of modifying a car to fit the personality of the customer.

Hagley’s twenty-third annual car show will feature these cars and a general field of more than 500 vintage vehicles. Visitors can also enjoy motoring music, a vintage jukebox display, a NASCAR simulator, a pedal car race course, and a festival food court.

“The feature cars this year are probably our most photographed cars,” said Curator of Mechanical Exhibitions John McCoy, who also serves as chair for the show. “Hagley’s show is one of the largest car shows in the region.”

Hagley Car Show

Sunday, September 16
10 a.m. to 4 p.m., rain or shine

Advance tickets
\$8 adults, \$4 children 6-14
Available at the Hagley Store
or www.hagley.org.

Day-of-show tickets
\$10 adults, \$5 children 6-14.

Free for members and
children five and under.

Use Hagley’s main entrance
off Route 141 in Wilmington.

Parking is on site.



Photo by Marichka Udud

Farm-to-Table Dinner in the Barn

Members-Only Farm-to-Table Dinner

Tuesday, September 25, 6 p.m.

BYOB

\$65 per person

Reservations only
(302) 658-2400, ext. 235
www.hagley.org

The gardens at Hagley, both the Workers' Garden and the E. I. du Pont Garden, were used as food sources by the du Pont family and mill workers and their families. The current farm-to-table trend, seen locally with the popularity of farm-to-table restaurants and dining experiences, shows a renewed appreciation for healthy, non-processed food.

A recent member survey indicated that 40 percent of Hagley members were interested in a farm-to-table dinner, and their desires will be fulfilled in September.

The members-only, family-style dinner will be held at 6 p.m. Tuesday, September 25, at the Hagley barn. Chef Dan Butler and chefs from the Belin House Organic Café will cook on site. The menu will include products and ingredients from local sources, including Bright Spot Farms, an urban agricultural project in Wilmington; Haskell's Farm; and

Highland Orchards. The menu will feature fruit, vegetables, and honey produced on the Hagley grounds.

This is a BYOB event, and the cost is \$65 per person. For reservations, visit www.hagley.org or call the membership office weekdays at (302) 658-2400, ext. 235.

The menu: Heirloom tomato Caprese, grilled breast of chicken over roasted corn salad with tomato coulis, roasted Hagley fingerling potatoes, pan-seared Brussels sprouts, and apple and sour cherry crumb pie with wildflower honey garnish.



Hagley Volunteer Earns Service Award

One of Hagley's student volunteers, Jules Stevenson, was presented the 2018 Governor's Youth Volunteer Service Award for Arts and Culture. The staff at Hagley congratulate her on this achievement and are grateful for all the work she has done.

With a strong interest in plant science and environmental studies, Jules spent 100 hours volunteering at Hagley in 2017. In addition to being assigned tasks typically reserved for adults, Jules assisted in the E.I. du Pont Garden, functioned as a summer camp counselor, volunteered at special events, and worked in the Volunteer Manager's office.

By volunteering for more than ninety hours, she has also earned a volunteer credit on her school transcript.

Volunteer credits are available to all high school students in Delaware. From the Volunteer Delaware website: "The Delaware

Volunteer Credit, established by the Delaware General Assembly in 1998, allows students grades 9-12 to earn one elective credit towards graduation upon completing 90 hours of community service during two semesters."

The volunteer credit is a great addition to résumés, college applications, job applications, and anything moving forward after high school. For more information, visit <https://goo.gl/4BRxjR>.

Jules is a student at Newark High School and plans to continue volunteering at Hagley.

- Give back
- Be involved
- Meet new people

Volunteer at Hagley!

Hagley has many different opportunities for you to share your talents, skills, and experience.

For more information, contact Volunteer Manager Angela Williamson at awilliamson@hagley.org or (302) 658-2400, ext. 257.



Talks on TV Technology, Privacy

Author Talks

October 4 • 7 p.m.
 “The TVs of Tomorrow:
 RCA and the Invention of
 Flat-Screen Television”

November 8 • 7 p.m.
 “Invasions of Privacy: An
 American History”

Free admission

Hagley Soda House, use
 Buck Road entrance

Attendees should contact Carol
 Lockman, clockman@hagley.org,
 (302) 658-2400, ext. 244.

*Benjamin Gross (left)
 and Sarah E. Igo*

The Radio Corporation of America (RCA) was hard at work on a flat-panel television in the 1950s. In an October 4 talk, Benjamin Gross, vice president for research and scholarship at the Linda Hall Library, will explain how RCA leader David Sarnoff set his scientists and engineers to develop a television that could hang on a wall. After a decade, RCA created the technology that would make flat-screen television possible but left its development to other companies. Gross’s talk is based on research in the RCA archives held at Hagley for his 2018 book, *The TVs of Tomorrow: How RCA’s Flat-Screen Dreams Led to the First LCDs*.

Privacy and the threats to it are everyday items in the news, and a worry to many in today’s digital age. Sarah E. Igo, a professor of history at Vanderbilt University, will explain in her November 8 talk how current concerns

about privacy have a history stretching back to the late nineteenth century. Americans have long worried that phenomena such as journalism, government record-keeping, police investigations, and private market research could endanger their privacy. Igo will provide a wide-angle history of debates over privacy, uncovering how debates over what should be kept out of the public eye have shaped U.S. politics and society. Igo’s talk is based on her 2018 book, *The Known Citizen: A History of Privacy in Modern America*.

Author talks take place in the Hagley Soda House auditorium, starting at 7 p.m. RSVPs are encouraged, and walk-ins are welcome. Please RSVP to Carol Lockman, clockman@hagley.org, or (302) 658-2400, ext. 243.



Craft Fair Marks Forty Years

From its humble beginnings as a textile fair, celebrating the many textile mills along the Brandywine, the Hagley Craft Fair has grown and changed over its forty years. Along the way, jewelry, wood, pottery, and other items have been added to the mix of media represented, and five years ago, a specialty food market joined the fair. After all these years, the one thing that has not changed is the same commitment to offering a quality event showcasing artisans selling their handcrafted items.

At the October 20-21 event, visitors will see some familiar faces selling favorite products, and some fun additions.

Steve Dill has a blacksmith and metal work studio along the banks of the Monocacy in Maryland, where he crafts ornamental ironwork. He will be selling artistic and

functional pieces, such as wine racks, candle holders, and small tables.

Mindy Silver of Fort Washington, Pennsylvania, starts with hand-rolled slabs of clay to build her whimsical ceramic pieces. Brightly colored birdhouses, utensil holders, and trays are just a few of the items at her booth.

Alain Boczkowski of West Chester, Pennsylvania, brings his "Health & Tea" products to the specialty food market, selling natural and healthy loose-leaf teas and matcha.

The fair will be held from 10 a.m. to 5 p.m. on Saturday, and 10 a.m. to 4 p.m. on Sunday. Admission is \$5, free for Hagley members and children five and under.

Enter using Hagley's Buck Road East entrance off Route 100 in Wilmington, Delaware. The GPS address is 298 Buck Road, Wilmington, DE 19807.

Hagley Craft Fair

October 20 & 21
Saturday 10-5, Sunday 10-4

\$5 Admission
Free for members
and children 5 and under

Buck Road East Entrance
GPS: 298 Buck Road
Wilmington, DE 19807



Hagley thanks Agilent Technologies, the presenting sponsor of Invention Convention.

The annual event, held in January, gives visitors of all ages the opportunity to take appliances and gadgets apart to see what makes them tick, create their own invention and earn a "Hagley Patent," and enjoy science and technology shows and demonstrations.

Community involvement has been a strong part of Agilent's culture from the beginning. The company provides more than one full week of paid time each year for employees to volunteer. Agilent supports science education through volunteerism and financial and equipment grants.

Agilent Technologies and Hagley seek to inspire the next generation of scientists and innovators.

Hagley Thanks Its 2018 Corporate Partners

Hagley preserves and shares the stories of American enterprise.

Corporate Partners help Hagley use these stories to inspire innovation and educate tomorrow's entrepreneurs.

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Invention Convention presented by Agilent Technologies



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Science Saturdays presented by Young Conaway Stargatt & Taylor, LLP



Fireworks at Hagley presented by M&T Bank and Wilmington Trust

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Hagley Welcomes Dr. Margaret Graham

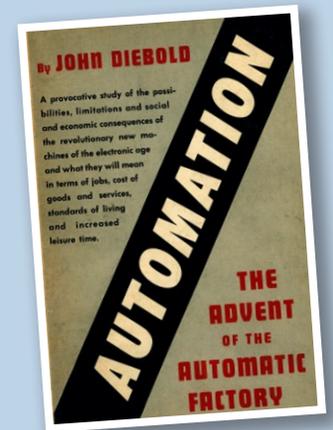
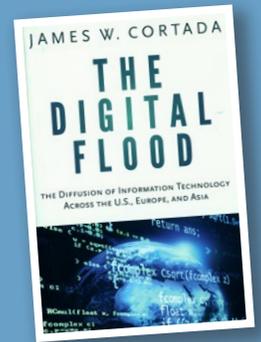
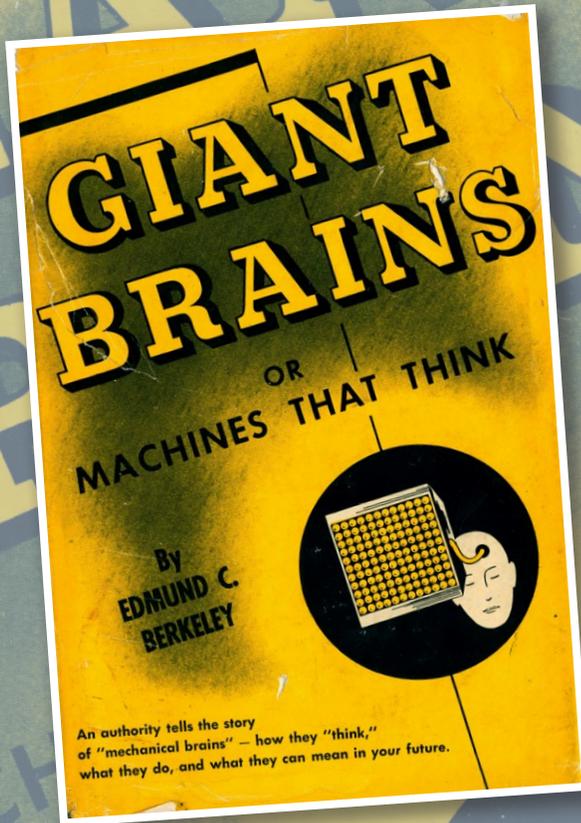
Dr. Margaret (Meg) Graham was elected to the Hagley Board of Trustees at its meeting on March 19. Graham has recently retired as associate professor, strategy and organization, in the Faculty of Management, from McGill University in Montreal, Quebec, Canada. She is also a founding director of the Winthrop Group, Inc. in Cambridge, Massachusetts. In addition to several multiyear consulting engagements with research-based firms in the specialty materials, automotive, and pharmaceutical industries, she spent four years in research and development management as an executive at PARC, Xerox's advanced research center in Palo Alto, California.

Graham has been a member of the faculty at the Harvard Graduate School of Business Administration and the Boston University School of Management. While at Boston University as professor, operations

management and management of technology, she served as associate dean and dean of the faculty. She is a leading scholar of the history of industrial research. Her books include *The Business of Research: RCA and the Video Disc*; *R&D for Industry: A Century of Technical Research at Alcoa*, which she coauthored with Bettye Pruitt; and *Corning and the Craft of Innovation*, which she coauthored with Alec Shuldiner. She is married to Peter Brown, who is a professor at McGill. They divide their time between homes in Quebec and summer homes in Sedgwick and Little Deer Isle, Maine. She has taken an interest in the preservation and improvement of habitats for birds and bees on the tree farms her family and friends enjoy in southern Quebec and western Maryland.



Members and friends enjoyed two June evenings of spectacular pyrotechnics during Fireworks at Hagley, presented by M&T Bank and Wilmington Trust. Don't miss out on what has been called the best fireworks in Delaware! Join today to receive your invitation to Fireworks 2019!



New Information Technology Collection

Hagley Library has acquired the James W. Cortada Collection of Information Technology Publications. This collection consists of an estimated 5,000 titles on computers, information technology, society, the internet, and the economic and business issues involving computers from the 1940s through 2017. The collection was shipped to Hagley in 167 boxes from Cortada's home in Wisconsin.

Cortada worked for more than thirty-eight years at IBM in various sales, consulting, management, and executive positions. He holds a Ph.D. from Florida State University and is a self-described first-generation historian of information technology. He built this collection while writing his histories of the industry.

His productivity speaks not only to his managerial acumen but also to his pragmatism. "I'm not collecting fine art," he said. "I'm collecting the story of computing."

Indeed, he collected to inform his thinking about who, why, and how the world managed information since the late nineteenth century. That story is told by the manuals and books he collected, covering a wide range of topics, such as information technology; trade business management; applications of computers; the economics of computing; the global history and use of computing; the information society and social issues; the internet and media studies; histories of corporations and biographies of business leaders; and academic and trade histories of computing, telecommunications, and related technologies. The breadth of this collection will provide a strong knowledge foundation for Hagley to build upon while considering related collecting opportunities. Follow catalogers' progress by searching for this collection within Hagley's online catalog.

Left: Edmund C. Berkeley was a computer scientist whose 1949 book provided the first accessible survey of early computers for a popular audience.

Right: As a first generation historian of the computer age, James W. Cortada used his extensive collection as a resource for writing his many books.

Bottom: John Diebold is credited with coining the word "automation," and he originated many of the concepts of data processing and utilization in this influential book from 1952.

If you have questions or related publications to offer, please contact us at www.hagley.org/askhagley.



Hagley Acquires Catalyst Records

Researchers may contact AskHagley@hagley.org for further information. It is anticipated that the collection will open in early 2021.

Hagley Library has acquired the archival records of Catalyst, a nonprofit organization accelerating progress for women through workplace inclusion. Catalyst was founded in 1962 and today has more than 800 supporting organizations around the world, with operations in the United States, Canada, Europe, India, Australia, and Japan. Catalyst is the trusted resource for research, information, and advice about women at work.

“We are thrilled to preserve Catalyst’s heritage and to share it with the public,” said Erik Rau, Hagley’s director of Library Services. “Catalyst has been a leader in creating progress for women by encouraging inclusive workplaces. It has been a fundamental resource for businesses attempting to manage diversity in the workplace since the middle of the twentieth century.”

The Catalyst records document the evolution of women’s roles in the workforce and paid employment. The collection includes research conducted by the organization since its inception that uses fact-based, scientific methods—including longitudinal panels and large-scale field studies—to explore barriers and measure success. Catalyst has examined work environments and employees’ experiences in them and has tracked representation of women in corporate leadership and determined the root causes of gender gaps.

After the Catalyst records are arranged and described, they will be made available for research in Hagley’s Manuscripts and Archives Department. Publications and audiovisual material will be available in the library.



Gunpowder Packaging Collections

Eagle, Superfine, Golden Pheasant, and Indian Rifle all represent brands of DuPont gunpowder. For 117 years, DuPont produced gunpowder at Hagley. Starting in 1804, it was packaged in wooden barrels and in tin containers for under a pound of powder.

The museum collection has an extensive and rare assemblage of gunpowder-related materials. From the original 1954 DuPont Museum Collection to the present, the collection has grown to more than one thousand gunpowder cans and other containers. Most relate to the DuPont Co. but even DuPont collected early examples of other manufacturers' gunpowder, so the museum does too.

Spanning from 1836 to 1958, the DuPont part of the collection covers black powder, blasting powder, and smokeless powder. Earliest black powder cans were round until

1851, when the shape became more of an oval. Labels were printed in Philadelphia and glued on the cans onsite. The collection also contains some printing plates for these labels.

Eagle gunpowder was DuPont's first premium powder. Starting in 1804 and continuing through 1915, it was the longest produced of any of DuPont's gunpowder products. Another popular and long-produced brand was Superfine. One of the rarest DuPont cans is Crystal Grain gunpowder, which dates to 1885 and was the best grade of sporting powder made by DuPont at that time.

Recently the collections staff has added more than 100 gunpowder cans to its online browser at www.hagley.org/gunpowder.

Inset: DuPont Crystal Grain Gunpowder, ca. 1885



*Group of pipe fitters, 1905.
Photo by Pierre Gentieu.*

New Life for Oral Histories

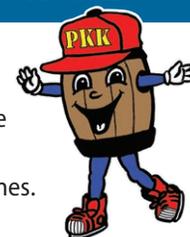
From 1954 to 1990, Hagley staff carried out interviews with nearly 200 people who had grown up, lived, and worked in and around the Hagley powder yards and the Brandywine Valley. They asked them about their jobs, their childhoods, the food they ate, what they did for fun, and what their family traditions were. The resulting collection, consisting of 352 hours of audio, represents a rich oral history record of the daily lives and personal experiences of local residents reaching back into the late nineteenth century.

For decades, the collection was accessible in the library mainly in transcript form, but today the voices of the interviewees can be heard around the world. The Hagley Library recently digitized both the audio recordings and the interview transcripts and made them available in its digital archive. With support from Delaware Humanities, Hagley's Oral

History Office has now completed work that will make these interviews easier to search, browse, and explore online, linking the digital audio files to the transcripts and summaries.

A new digital exhibit highlights some of the major themes in the collection, from working experiences and recreation to childhood memories and holiday traditions. Combining photographs of the area and clips from the interviews, the exhibit showcases these voices from the past in their full, human texture.

You can view the new digital exhibition at www.hagley.org/brandywineproject.



FUN FACTS – CANNONS

Cannon Firings in the Hagley Powder Yards demonstrate how black powder was made and used. Visit www.hagley.org for dates and times.

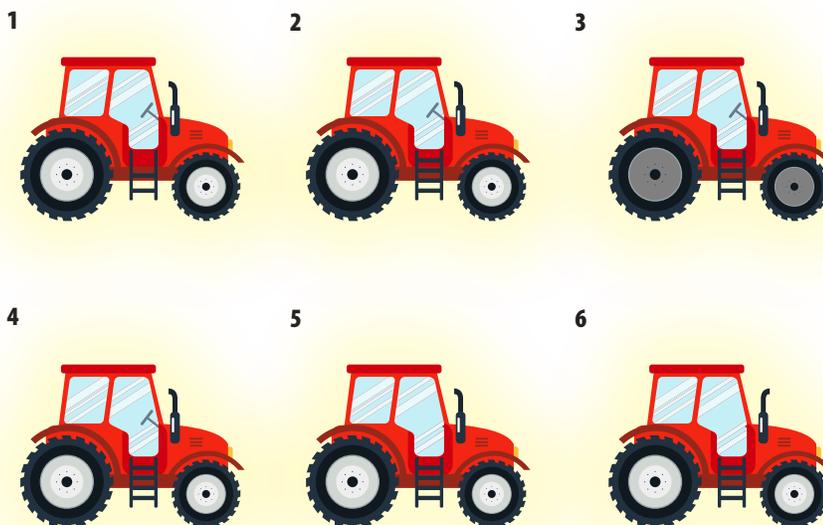
Some fascinating facts about cannons:

- A cannon is a type of artillery, or large gun. They are made with a large tube, and shoot projectiles.
- Cannons could be placed just about anywhere on a ship, including the bow, stern, and sides.
- Cannons were first made in China, and were used with another Chinese invention, gunpowder.
- By the 1350s the cannon was used extensively in Chinese warfare.
- Howitzers and mortars are similar to cannons, but they are able to shoot cannonballs higher.
- Early cannons in Europe often shot arrows.
- By the sixteenth century, cannons were made in a great variety of lengths and bore diameters. The general rule was that the longer the barrel, the longer the range.

FIND THE MATCH – HAYRIDES AT HAGLEY

At **Hayrides at Hagley** visitors can enjoy a hayride along the fall foliage of the Brandywine, create fall-themed crafts, and see a gunpowder explosion, roll mill in action, and working nineteenth-century machines.

Can you tell which two hayride tractors below are exactly alike?



WORD SEARCH - JUKEBOX ARTISTS

At the **Hagley Car Show** visitors can enjoy more than 500 antique and restored cars, vehicle parades, a vintage jukebox display, video and pedal car racing, and a festival food court.

Find the jukebox-era performing artists in the grid below.

WORD LIST

- BILLY PRESTON
- DAVID RUFFIN
- DIANA ROSS
- FOUR TOPS
- FRANKIE VALLI
- GERALD ALSTON
- GLADYS KNIGHT
- LIONEL RICHIE
- MARVELETTES
- MARVIN GAYE
- MICHAEL JACKSON
- MIRACLES
- SHORTY LONG
- SMOKEY ROBINSON
- STEVIE WONDER
- SUPREMES
- TEMPTATIONS
- TOM CLAY

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

ANSWERS: TRACTORS TWO AND FOUR ARE EXACTLY ALIKE.



Hagley is open daily, year-round, at 10 a.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.



A couple enjoys a stroll at Bike & Hike & Brews at Hagley.

Photo by Kerry Harrison.

Unless otherwise noted, activities listed below are included with admission and free for members and children five and under.

Walking Tours – visit www.hagley.org for schedule

Hagley offers weekend walking tours exploring gunpowder production, water power, geology, life in an industrial village, Hagley's gardens, and explosions. Walking tours are included with admission, reservations requested at (302) 658-2400, ext. 261.

Science Saturdays – visit www.hagley.org for schedule

Experiment and innovate with Hagley's series of science activities. Visitors use their creativity to make scientific discoveries.

August 15, 22 & 29 – Wednesdays – 5 to 8 p.m.

Bike & Hike & Brews presented by Dogfish Head Craft Brewery

Enjoy these final Bike & Hike & Brews evenings of the summer. Dogfish Head craft brews and Woodside Creamery ice cream will be available for purchase each night. August 29 is the final Dog Day, when canine companions are welcome. \$3 per person, free for members.

August 17 – Friday – 5 to 7 p.m.

\$5 Fridays after 5

Unwind from your workweek and spend a Friday evening at Hagley for just \$5 per person after 5 p.m. Demonstrations and cannon firings will take place at 5, 6, and 6:45 p.m. Visitors may walk along the river and order food from the Belin House Café, which will remain open until 6:30 p.m. Bring a bottle of wine and enjoy the evening.

August 18 – Saturday – 10:30 a.m. to 3:30 p.m.

Summer Saturday: What's the Scoop?

Enjoy the final Summer Saturday of 2018 and try your hand at making homemade ice cream.

August 18 – Saturday – 10:30 a.m. to 4:30 p.m.

Hagley's Faire With Flair

Come join us and experience fun games, food tastings, and activities from the nineteenth century.

September 9 – Sunday – 10 a.m. to 5 p.m.

Sunday Stroll

Take a stroll at Hagley this Sunday. Hagley's property will be open to give visitors a unique opportunity to take a leisurely walk to the residence and garden, normally only accessible by bus. The three-mile round-trip walk to the family home and back will be open for guests to wander and enjoy the beauty of the property.

September 16 – Sunday – 10 a.m. to 4 p.m.

Hagley Car Show - Vintage Hot Rods and Customs

Browse through more than 500 antique and restored cars. Features cars with large engines built for speed and modified cars reflecting the owner's unique style. Advance tickets are \$8 for adults, \$4 for children 6-14. Day-of-show tickets are \$10 for adults and \$5 for children 6-14. Free for members and children five and under. Held rain or shine.

September 20 – Thursday – 6:30 p.m.

Research Seminar: Nadia Bernstein

Attendees are encouraged to read Bernstein's paper "Welcome to Flavor Country: The Postwar U.S. Flavor Industry and the Making of American Food," which may be obtained by contacting Carol Lockman at clockman@hagley.org. Library Copeland Room, use Hagley's Buck Road East entrance.

September 25 – Tuesday – 6 p.m.

Members-Only Farm-to-Table Dinner

Enjoy a family-style dinner cooked by Dan Butler and chefs from the Belin House Organic Café. The menu will include products from local sources and fruit, vegetables, and honey produced on the Hagley grounds. BOYB. \$65 per person, reservations at www.hagley.org or (302) 658-2400, ext. 235.

October 4 – Thursday – 7 p.m.

Author Talk: "The TVs Of Tomorrow"

In his talk, Benjamin Gross will explain how RCA's imaginative leader David Sarnoff set his talented scientists and engineers to work on developing a television that could hang on a wall. Free, reply requested, call (302) 658-2400, ext. 243, or email clockman@hagley.org. Held in the Soda House, use Hagley's Buck Road East entrance.

October 13-14, 20-21, & 27-28 - 11:30 a.m. to 4 p.m.

Hayrides at Hagley

Take a hayride along the Brandywine to experience the beautiful fall foliage in the Powder Yard. Enjoy a hayride scavenger hunt, fall-themed crafts, apple cider, tours, and demonstrations. Seating is limited, rides depart every half hour, please sign up in the Visitor Center.

October 20 and 21

Saturday 10 a.m. to 5 p.m. – Sunday 10 a.m. to 4 p.m.

Hagley Craft Fair

Celebrating its fortieth year. This artisans' marketplace brings talented artisans from the Mid-Atlantic area to display and sell fine arts, crafts, and gourmet items. Admission \$5. Free for members and children five and under. Use Hagley's Buck Road East entrance.

October 25 – Thursday – 6:30 p.m.

Research Seminar: Seth Lunine

Attendees are encouraged to read Lunine's paper "Groundbreaking Technology: California Dynamite and the Eastern Frontier, 1866-1886," which may be obtained by contacting Carol Lockman at clockman@hagley.org. Library Copeland Room, use Hagley's Buck Road East entrance.

October 27 – Saturday – 9:30 a.m.

Picture Hagley: Photography Walking Tour

Photography beginners or experts will enjoy this experience as they have the opportunity to photograph areas off the usual visitor route. Space is limited. \$25 per person. Rain Date: October 28.

November 8 – Thursday – 7 p.m.

Author Talk: "Invasions Of Privacy: An American History"

Sarah Igo, a professor of history at Vanderbilt University, will explain how our concerns about privacy have a history stretching back to the late nineteenth century. Free, reply requested, call (302) 658-2400, ext. 243, or email clockman@hagley.org. Held in the Soda House, use Hagley's Buck Road East entrance.

November 9 – Friday

Conference: Seeing Like A Capitalist

The conference will explore the history of commercial surveillance in the United States. Registration required, contact Carol Lockman at clockman@hagley.org or (302) 658-2400, ext. 243. Held in the Soda House, use Hagley's Buck Road East entrance.

November 11 – Sunday – 10 a.m. to 5 p.m.

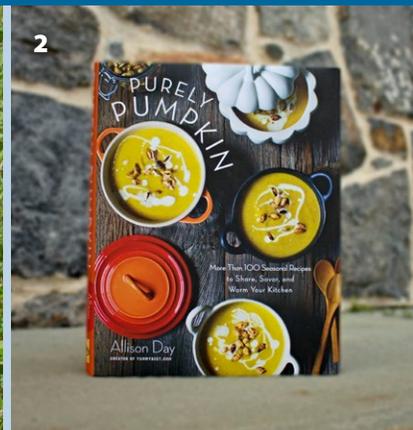
Veterans Day

Admission is free for military veterans. Admission is always free for current military personnel and their families.

November 23, 24, & 25 - 10 a.m. to 4 p.m.

Thanksgiving weekend

Celebrate the start of the holiday season at Hagley. View the gingerbread house competition entries, try your hand at gingerbread decorating, see the Residence decorated for the holidays and "The Magic of Miniatures," and sample ginger cookies. Included with admission, free for members.



Fall Season Finds

1) *Leaves, an Autumn Pop-Up Book*

Readers of all ages will enjoy the timeless wonder of autumn leaves in this wonderful pop-up book from paper engineer Yoojin Kim, teamed with award-winning author Janet Lawler and artist Lindsay Dale-Scott. This book—considered a seasonal companion with Jumping Jack Press’ all-time best seller and award-winning *Snowflakes*—includes amazing pop-ups, educational information, and delightful interactive elements that offer change and surprise on every page in this lyrical look at Autumn.

Item #6680- \$29.95

2) *Purely Pumpkin* by Allison Day

This beautifully illustrated cookbook has savory and sweet recipes for all meals of the day and brings the warmth of pumpkin into homes with seasonal whole foods. Enjoyable to cook from and flip through, it’s an excellent way to celebrate, share, and savor the pumpkin harvest this season.

Item #6053- \$24.99

3) *Olive Pin and Earrings* by Michael Michaud Designs

Since ancient times olive leaves have been a symbol of generosity and kindness. They have also been regarded as a mark of peace and victory. This delicate set is hand-patinated bronze with olive green freshwater pearls.

Pin - Item #49115- \$104.00

Earrings - Item #49219- \$70.00

Hagley Store Information

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

Open daily at 10 a.m. Closes thirty minutes after museum closing time.

(302) 658-2400, ext. 274



Hagley

MAGAZINE

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Photo by Kerry Harrison