

TWINLEAF NEWSLETTER

FALL 2017 | VOLUME 24, ISSUE 3



Records, Rescues and Partnerships

This summer brought exciting opportunities for our Curation team to ensure the Preserve's living plant collection is thriving – and to expand it.

FANTASTIC PHYTOBLITZ

Have you ever heard of a phytoblitz? It is a wonderfully collaborative effort that allows us to update our collection records. On Sunday, June 25, Preserve staff and 25 volunteers combed the Preserve property and collected plant data to update our collection records. In fact, the ten teams that surveyed our grounds identified 331 species during this one-day event. Jason Ksepka, the Preserve's curator, continues to evaluate the data; hopefully he will find a few interesting new species to add to our inventory. "While we didn't identify every species in the Preserve, we did gather information that will help us determine how to best manage our Preserve lands and collection," says Jason. Two more phytoblitz events, scheduled for August 27, 2017, and May 6, 2018, will capture additional information about our collection, including species we may have missed in June. It is also a great opportunity to socialize with like-minded individuals. Learn more about the upcoming phytoblitz events and register online at bhwp.org/events/phytoblitz/.

NEW ADDITIONS TO THE COLLECTION

While we refined the records of our current collection during the phytoblitz, we also added to it! This summer, Horticultural Intern Kristie Lane Anderson contributed her knowledge and talent full-time in both the Native Plant Nursery and Curation. "Her work out-planting plants grown in our Nursery has been invaluable," Jason explains. "So far in 2017, we had 65 plantings, most of which were of multiple plants, from 41 species. We have Kristie to thank for helping us accomplish so much this summer."

All of this planting coincides with the work completed last year in the meadow to reduce the amount of Indian grass and open up areas for increased diversity. Additionally, we planted swamp milkweed (*Asclepias incarnata*)—donated by New Moon Nursery during last year's Native Plants in the Landscape conference—Purple milkweed (*A. purpurascens*), green comet milkweed (*A. viridiflora*), and poke milkweed (*A. exaltata*). We planted-out Eastern wahoo (*Euonymus atropurpureus*), strawberry bush (*E. americanus*), bottle gentian (*Gentiana andrewsii*), Allagheny vine (*Adlumia fungosa*), spotted horsemint (*Monarda punctata*), cardinal ower (*Lobelia cardinalis*) and thicket bean (*Phaseolus polystachios*).

A SUMMER OF RESCUES

We saved about a dozen blue eyed grass (*Sisyrinchium angustifolium*) plants from a construction site and planted them in our meadow. It is a common but welcome addition, with attractive blue flowers in late spring and early summer.

Two other salvage operations were conducted to save the lizard tail (*Saurus cernuus*) growing in the old, sediment-filled pond at the Preserve. The Preserve will be restoring water flow to the old pond and improving site quality in the near future; relocating the lizard tail is part of our efforts to preserve species before construction on the old pond begins. We also have one remaining juniper (*Juniperus communis*) in Penn's Woods. It was originally collected in Montgomery County, Pennsylvania, in the 1970s. This plant was slowly losing the battle for light as the forest matured around it. "I took several cuttings and planted them along President's Drive, in a better habitat for the plant," explains Jason.

PARTNERSHIPS FOR PRESERVATION

The Preserve's collaboration with Max Blaustein and David Lauer of the Delaware Valley Fern & Wildflower Society (DVFWS) has begun to bear fruit, so to speak. Several dozen ferns were planted to help restore the Preserve's tradition of a healthy fern collection, first established by Dr. Wherry. Thanks to a donation and David Lauer's expertise in site selection, intermediate woodfern (*Dryopteris intermedia*), log fern (*D. celsa*) and Clinton's wood fern (*D. clintoniana*) now call Bowman's Hill Wildflower Preserve their home.

"Later this year I plan on returning the favor by donating plants that we've grown in our nursery to some of the folks that have helped the Preserve in the past," says Jason, who hopes to share our plants with Natural Lands Trust, Delaware Valley Fern & Wildflower Society and Bucks County Audubon Society. "This is not only a lot of fun," says Jason, "but it builds a sense of place and is an important part of the Preserve's mission to bring high quality native plants out into the community."



Bowman's Hill
**Wildflower
Preserve**

Bowman's Hill Wildflower Preserve
P.O. Box 685
1635 River Road
New Hope, PA 18938-0685

Phone: 215.862.2924
Fax: 215.862.1846
Website: www.bhwp.org
Email: bhwp@bhwp.org

The Preserve is located 2 miles south of New Hope, Pennsylvania, at 1635 River Road (Route 32). Open year-round. Grounds are open daily, 9 am until sunset.

Visitor Center & Twinleaf Book & Gift Shop
Open Tuesday through Sunday, 9 am - 5 pm
Open Memorial Day and Labor Day
Closed Thanksgiving Day and Christmas Eve through January 1.

Admission
Preserve Members: FREE
Non-members:
Adults: \$6
Seniors (62+): \$4
Full-time students: \$4
Children 3-14: \$3
Children under 3: Free

Staff
A Miles Arnott, Executive Director
Jess Federman, Communications Coordinator
Jake Fitzpatrick, Nursery Manager
Rick Fonda, Grounds Manager
Rich Gallagher, Facilities & Maintenance Coordinator
Amy Goldstein, Membership Coordinator
Susan Harrington, Administrative Assistant
Kelly Joslin, Education Coordinator
Jason Ksepka, Curator
Jo Ann Mditieri, Visitor Services Coordinator
Regina Moriarty, Volunteer Coordinator
Sue Owens, Bookkeeper
Scott Sharff, Development Assistant
Maggie Strucker, Pocket Habitat Coordinator

Mission
Bowman's Hill Wildflower Preserve inspires the appreciation and use of native plants by serving as a sanctuary and an educational resource for conservation and stewardship.

Bowman's Hill Wildflower Preserve is managed by the Bowman's Hill Wildflower Preserve Association, Inc., in cooperation with the Pennsylvania Historical and Museum Commission. A copy of the official registration and financial information may be obtained from the Pennsylvania Department of State by calling 1.800.732.0999. Registration does not imply endorsement.



Poke milkweed
(*Asclepias exaltata*)

Message from the Director

Dear Friends,

Over the past year, the Board of Directors, staff and volunteers embarked on an intensive strategic planning effort to ensure that Bowman's Hill Wildflower Preserve remains the pre-eminent conservation and educational resource on Pennsylvania's native plants.

In today's world, information is available almost immediately to those who seek it, wherever they are – on their computer, tablet or smart phone. Our strategic planning team felt strongly that a new website was integral to achieving our goals. So we sought to create an online user experience that complemented the exceptional experience our visitors enjoy in-person at the Preserve. Of utmost importance was the speed and ease with which Preserve visitors, members, donors and volunteers could find the information they need, so that together, we may continue to accomplish the mission of the Preserve. After months of hard work and collaboration, I'm proud to announce that our new website is now live at www.bhwp.org.

Launched on July 11, 2017, this project called upon the expertise and efforts of staff and volunteers across all disciplines to design a website that made learning about the Preserve and native plants an easy and enjoyable experience for all online visitors. It is rich with photos of our beautiful Preserve and features up-to-date content. New functionality makes it easy to become a member, to register for a class and to make a donation - all online. The website search feature, virtual tour and many other improvements make ours a world-class website that brings the area's native plants to the global community with simplicity and beauty.

As part of our strategic planning and related marketing and communications work, you may also have noticed a refreshed Preserve logo on the new website and in this newsletter. The updated logo, color palette and overall brand style of the Preserve will debut on new print and online materials over the coming weeks and months. We are excited to share our new look with you and our community! Stephanie McNabb of McNabb Design did a fantastic job creating our new home on the Web. Special thanks to volunteers Judy Eby, Bruce Beans and Pat Coleman; and to Board Marketing Chair Deborah Agnew, for their leadership on this complex and expansive venture. Their efforts, combined with the knowledge and input of so many of our Naturalists, volunteers and staff made these strategic steps forward a wish-list dream come true!

Miles Arnott, Executive Director

Marilyn's Mission

Marilyn Can, one of our summer interns, is pursuing a bachelor's degree in Biology, Ecology and Conservation at Indiana University of Pennsylvania.

LOVING THE LEARNING AT THE PRESERVE

"I have really enjoyed my internship this summer at Bowman's Hill Wildflower Preserve," Marilyn says, with a big smile. "Some of my favorite work here involves interpretation of the moss garden. I've always been interested in moss, and it is a wonderful excuse to analyze it up close! I presented a Lunch & Learn event on my findings in the moss garden this past August."

While studying the moss is an enjoyable endeavor for Marilyn, she also likes to repot the seedlings. "They are so adorable!" she exclaims. "But an even more adorable aspect of my internship is leading the children's summer reading programs. I really enjoy sharing nature knowledge with enthusiastic kids, and I learn something when preparing the lessons, too."

AN INTERNSHIP AND A MISSION

As a plant identification enthusiast, Marilyn has learned a good deal about it from the Preserve's Naturalists. Her identification skills are enhanced by the stories she hears from staff and volunteers about the plants' relationship to cultural history and the web of life.

"One of my favorite plant stories is that of the eastern box turtle, and how it helps the May-apple (*Podophyllum peltatum*) to spread its seeds. The box turtle eats the seeds, and its gift of 'fertilizer' helps the plant to grow." The May-apple (*Podophyllum peltatum*) normally spreads through its roots, so this animal-driven dispersal method is important in expanding its territory elsewhere. "This story, as well as my recent sighting of a box turtle in the new butterfly pocket meadow, designed by a fellow intern, Kristie Lane Anderson, has piqued my interest in box turtles. I was interested in learning more about the species and did a little digging."

Marilyn learned that the box turtle is active and slow-moving and moves for a variety of reasons. They might need to find water, food, or a mate¹; or, they may be looking for

a specific site to warm up, nest or hibernate². Most surprisingly, they may be moving about just to explore³ or perhaps to escape.

"Unfortunately though, like many other animals, box turtles are dropping in numbers," says Marilyn.

In general, a large reason for this decline in species numbers is habitat loss. As the human population expands, plants and animals lose their living spaces. "Humans must become more knowledgeable about each species' needs; when that happens, we can effectively manage preserved land to contain as much biodiversity as possible." Not only is a habitat required for each species, but access to other habitats is essential. Without access to others, a population has less gene flow and is at risk for inbreeding. As development progresses and roads become busier, habitats become more fragmented in a hazardous way. A car or truck

is a more serious danger to a box turtle than a curious ecologist, highlighting the increasing importance of wildlife corridors.

Thankfully, the Preserve is connected to other habitats through Pidcock Creek. Another local example of a great wildlife corridor is the Delaware Canal. The more humans sprawl, the more creative we must become to create and connect habitats for species like the box turtle.

1. Iglay, R., Bowman, J., & Nazdrowicz, N. (2007). Eastern Box Turtle (*Terrapene carolina carolina*) Movements in a Fragmented Landscape. *Journal of Herpetology*, 41(1), 102-106.
2. Ibid.
3. Ibid.

MARILYN'S MISSION: CONNECT WILDLIFE

Even with the existence of wildlife corridors, animals may not utilize them. Here are some ways you can help.

- Slow down on roads neighboring preserved land to avoid hitting animals
- Move an animal across the road in the direction it is currently traveling
- Encourage your neighborhood to host wildlife by including native plants



May-apple
(*Podophyllum peltatum*)

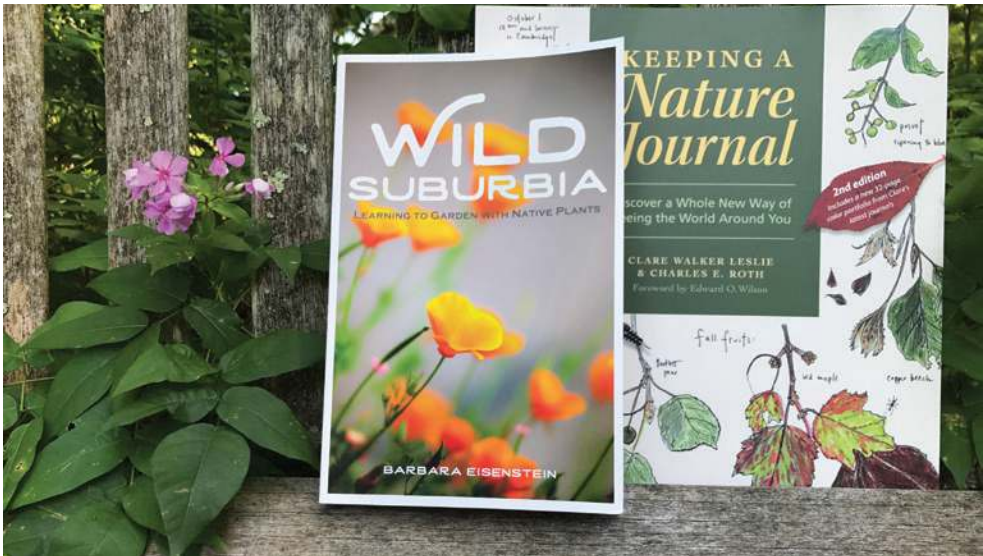


Eastern box turtle
(*Terrapene carolina carolina*)

Recommended at the Twinleaf Book & Gift Shop

World-renowned local jewelry designer Diana Vincent has created a limited-edition sterling silver pendant exclusively for Bowman's Hill Wildflower Preserve. "The twinleaf (*Jeffersonia diphylla*) is the Preserve's signature wildflower," says Visitor Services Coordinator Jo Ann Mditieri. Each pendant comes with a 16" sterling silver chain.

"The necklace made its debut at this year's Wildflower Gala," says Jo Ann. "But because of its popularity, we've extended availability for a short time." A limited number are available to purchase for \$125 each. Contact the Twinleaf Book & Gift Shop to order yours.



Keeping a Nature Journal: Discover a Whole New Way of Seeing the World Around You by Clare Walker Leslie & Charles E. Roth

Using the methods developed over years of journaling teaching, *Keeping a Nature Journal* guides you in creating ongoing journals for all seasons and purposes. Simple methods for capturing what you see in sketches and words will inspire you to make journaling a part of your daily life and will help you create journals to enjoy for years to come.

The Twinleaf Book & Gift shop offers a unique collection of nature-themed gifts, t-shirts and books for all ages. All proceeds are used to further the Preserve's mission. Preserve Members receive 10% off regular priced shop merchandise all year long.*

**No additional discounts are available on sale items or Diana Vincent pendants.*

Wild Suburbia: Learning to Garden with Native Plants by Barbara Eisenstein

Wild Suburbia guides us through the process of transforming a traditional, high water-use yard into a peaceful habitat garden abounding with native plants. For plant lovers curious about their own ecosystems, *Wild Suburbia* offers a style of gardening that nurtures biodiversity, deepens connection to place, and encourages new and seasoned gardeners alike to experiment and have fun.



COLLABORATION IS KEY TO ACHIEVING OUR MISSION AT THE PRESERVE.

By sharing knowledge and resources with other professionals and organizations, we promote conservation and stewardship of native plants. In this photo, *left to right*: Preston Wilson, Preserve Manager, Paunacussing Preserve; David Lauer, member, Philadelphia Botanical Club and Delaware Valley Fern and Wildflower Society; and Jason Ksepka, curator, Bowman's Hill Wildflower Preserve.

Annual Fund Update

Native plant communities form the basis for a wonderful diversity of life. From the tiny flies and beetles that pollinate skunk cabbage in early spring, to the wide variety of birds that depend upon the Preserve's healthy ecosystem, our native plants are the underlying support system that makes so much life possible.

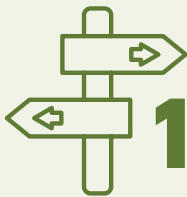
In the same way that our native plants support a rich abundance of life, donor support of the Preserve's Annual Fund sustains our educational programs and our growing Native Plant Nursery and insures the growth of our amazing living collection. Gifts to the Annual Fund serve as the brilliant warm sun to nourish our educational offerings like the Children's Reading Program and the life-giving rain to support 700+ species of native plants on our grounds.

This is your Preserve—vibrant and relevant because of the thoughtful stewardship of our volunteers, members and donors.

BOWMAN'S HILL WILDFLOWER PRESERVE BY THE NUMBERS



The One and Only: BHWP is currently the only accredited museum with a collection exclusively comprised of native plants. There are 62 botanical gardens in the US that are accredited as museums but BHWP is the sole native plant preserve!



19 NAMED TRAILS

\$556,000

annual operational support is gifted by members, donors and foundations



700+



Over 700 species of wildflowers, trees, vines, ferns and shrubs indigenous to Pennsylvania and the Delaware Valley are under the Preserve's stewardship. The Preserve is a living museum and holds rare and valuable species in the public trust as a permanent museum collection.

20+

pocket habitats currently established or pending



33

identified species of butterflies

25,000 VISITORS ANNUALLY

164 identified species of birds



134

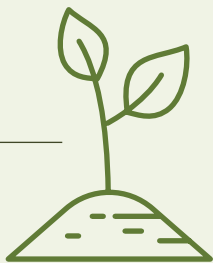
ACRES UNDER OUR CARE

2.5 miles of trails



1,700 MEMBER HOUSEHOLDS

83 years serving as a sanctuary and resource for conservation and stewardship





Growing, GROWing, GROWING!

Not only is our Native Plant Nursery chock full of developing native perennials, but our infrastructure is going through its own growth spurt. Our Do-It-Yourself volunteers came together this year to construct what we dubbed “Pete’s Shed,” in memory of the late Pete Barrell. We now have ample storage space for tools, golf carts and the beloved Skid-steer.

We are excited to add new winter homes for our seed flats this season, too. Six brand new, hand-made cold frames just arrived, courtesy of local Boy Scout Will Sigety; he decided the Preserve should be the recipient of his Eagle Scout Service Project. “In the past, the Nursery has utilized cold frames,” says Jake Fitzpatrick, the Preserve’s nursery manager. “However, they were never replaced after the last batch deteriorated. Since then, we have cold stratified our seed trays outside, which make them susceptible to the dangers of extreme winter weather and curious critters.” These new frames are a welcome addition to our Native Plant Nursery.

New workspaces for staff and volunteers are underway, too. The Propagation House

renovation creates a space more conducive to winter work. It will be a new area for our volunteers to clean and sow local seeds that our Curator collects. Once grown, we will introduce these plants into our living museum, and also sell them to interested gardeners at the Native Plant Nursery. “It is important to add plants with local genetics (or local provenance) to our landscape, as they best adapt in our environment and work in harmony with our ecosystem,” Jake explains.

The new greenhouse under construction provides us the capability to perform advanced propagation techniques. This is very exciting, as we will now be able to propagate additional local natives that we were unable to propagate before, such as native orchids and many types of gentians.

Some natives of note currently rooting in the nursery that will be available soon are giant sunflowers (*Helianthus giganteus*), white bergamots (*Monarda clinopodia*), and anise-scented goldenrods (*Solidago odora*) will be available soon. Check the Nursery News emails for the debuts of these show-stopping natives.



Giant sunflowers (*Helianthus giganteus*)

Land Ethics Award Nominations are Open

Bowman’s Hill Wildflower Preserve is pleased to announce that nominations are now open for the 2018 Land Ethics Award. This honor recognizes the creative use of native plants in the landscape, sustainable and regenerative design, ethical land management and construction practices by individuals, organizations, government agencies, community groups and business professionals.

Now in its seventh year, the Land Ethics Award raises public awareness of sustainable land management practices, an important part of the Preserve’s efforts to inspire the appreciation and use of native plants and to serve as an educational resource for conservation and stewardship.

The 2018 Land Ethics Award will be presented at the Land Ethics Symposium on March 15, 2018 at Delaware Valley University in Doylestown, Pennsylvania. Since the inception of the prestigious Land Ethics Award, the Preserve has received nominations for many outstanding organizations, projects and individuals deserving of recognition.

Eligibility, judging criteria and submission guidelines are outlined in the nomination form available on the Land Ethics Award section of the Preserve’s website, bhwp.org. Nominations must be received by January 19, 2018. For more information about the Land Ethics Award and to download the nomination form, visit bit.ly/BHWP-LEAward. Please spread the word; help us honor excellence in sustainable ecological design in the Delaware Valley region!



A Summer of Student Volunteers

If you visited the Preserve on a Wednesday or Friday morning this summer, you might have spied some young volunteers working throughout the grounds.

During the six-week Summer Students program, 17 students learned plant identification, grounds-keeping and other skills. This summer’s projects included working in the Native Plant Nursery, resurfacing trails, digging out and pulling down unruly invasives, digging holes and planting native shrubs and seedlings throughout the Preserve and general weeding.

We also welcomed a group of five New Hope Solebury School District Life Skills students who participated in Weeding Wednesdays. We are grateful for each student’s contribution to the Preserve this summer; their efforts help the staff immensely and make a big impact on the health and appearance of the property.

We are pleased to offer local students the opportunity to volunteer at the Preserve. “While these student-centric programs are a fun way for them to learn, our young volunteers do their share of hard work,” says Volunteer Coordinator Regina Moriarty. “Once they step back, after they complete a project – that’s when they experience the intrinsic rewards of volunteering: a sense of pride, of connection and of achievement.” As participants in the Preserve’s volunteer programs, students also acquire practical work skills, complete community service hours and, as is the case for many of our young volunteers, expand their knowledge in fields of study they care deeply about: the environment and conservation.

Our staff members truly enjoyed working with all of the students this summer.



Thank you to our Summer Student Class of 2017. *Shown in photo from left to right:* Jake Fitzpatrick (Nursery Manager), Billy Harrison, Dane Paulson, Brendan Moriarity, Megan Moriarity, Sarah Barlyn, Megan Coolahan, Sophia Rainville, Chloe Elias and Julia Ugras. *Not shown:* Adela Agnew, Jeffrey Cragin, John Davies, Katie Davies, Stephen Jayne, Abbey Kollar, Annabella Machado and Allison Wray.

Volunteer Voice: Adela Agnew



“I first heard about the Preserve when I was in pre-kindergarten,” says volunteer Adela Agnew. “My mother, Deborah, has been volunteering here for 15 years and now serves on the Preserve’s Board of Directors. I’ve always known about it.” In March 2017, Adela started volunteering at the Preserve, too.

Adela has found a variety of volunteer opportunities at the Preserve. “When I began, I helped with a communications project to find local newspapers and magazines for advertising,” she says. “Since then, I’ve participated in a nursery volunteer day and the Butterfly Walk Open House. Right now, I’m training to work at the front desk in the Twin Leaf Book & Gift Shop and I’m participating in the Summer Student Program to help with trail maintenance and restoration.”

Volunteering at the Preserve has been an education for Adela. She is now able to identify certain native plants and discern the animals and insects it attracts. “My favorite native plant at the Preserve is Wild Senna (*Senna hebecarpa*). It has an interesting leaf pattern and form, and a strange but enticing method of self-protection and pollination. Caterpillars enjoy making their chrysalises on the stems and leaves of the Senna plant, which can be uncomfortable for the plant. The scent from the yellow flowers attracts

wasps and ants, which do two things: first, they pollinate the flower to reproduce; then, they eat the chrysalis to relieve the host. It is sad for the butterflies, but it is an interesting example of how plants take care of themselves and adapt to the animals and insects around them.”

As each member of our Preserve community knows, this special place is a natural treasure trove. One of her favorite gems is a grove of Tulip Poplar (*Liriodendron tulipifera*) trees hidden along a trail in Penn’s Woods. “The trunks of most of the trees have been given interesting patterns made by yellow-bellied sapsuckers. They go around the trunk, making a sort of ring of small holes, in order to extract the sap. This creates a very interesting pattern all the way down the length of the trunk.” Adela explains. “When you are exploring this grove, it feels like being in a jungle. The trees grow close to each other and hang over your head as you walk through.”

“Through our volunteer work, my mother and I are definitely influenced by the native plants at the Preserve; our garden at home is full of native plants,” says Adela. “Natives provide habitats – homes – for insects and animals. They also create beautiful landscaping!”



Welcome to our new Members.

WE LOOK FORWARD TO SEEING YOU AT THE PRESERVE!

- | | | |
|------------------------------------|------------------------------|---------------------------------|
| Maryellen & John Alviti | Elizabeth Hall | The Notaro Family |
| Cathy Biel & Ed Cox | Betsy Harvin | Barbara Olshefsky |
| Laura Biesiadecki | The Haskins Family | Susan Cray & Michael Palasciano |
| Peter Birnbaum | Anu & Ashvin Hosangadi | Joanne Pannone |
| Beth Blewett | Wayne S. Houston | Melanie & Brian Parker |
| Judith Boland-Moy | Thomas Huber | Nirmal Patel |
| The Carney Family | Barbara & Karl Hunzer | Geoffrey Peters |
| The Centifonti Family | Alfred Ioli | The Peterson Family |
| Lorraine Charowsky & Russel Glantz | Robynn & Chadd Jenkins | The Proszynski Family |
| The Cosmo Family | Carolyn Johns | The Rao Family |
| Marilyn & David Cragin | Bill Johnson | Betty Resch |
| The Cunningham Family | Pat Johnson | Laurel Rimmer |
| Frances & Peter D’Orazio | George Karwacki | The Roberts Family |
| Nicholas Damato | Sandra Kittredge | Kay & Bill Rote |
| Anna Davis-Agostini | Lisa & Robert Landley | The Saeger Family |
| Karen Doughty & Art Steinmark | The Laker Family | The Scheaffer Family |
| Denise & John Edelblut | Lisa J. Levin | Lillian Smith |
| The Eig Family | Donna Levy | Delia J. Smith |
| Benjamin Ellern | Theresa Loux | Nancy R. Smith |
| The Emery Family | The Luff Family | Kathryn Surmay |
| Gina Ferrara | Catharine MacDonald | Pam Susie & John Cairns |
| Jake Fitzpatrick | Carol & Neil Macintyre | Mary Taylor |
| Danielle & Thomas Francisco | The Marvel Family | Lisa Viazanko |
| Bruce Franklin | Erika Masters & Jason Lynam | Jenifer Vicari |
| Val Fusco & Herman Mihalich | The Matthews Family | Keith Voss |
| Janik Gasiorowski | Michael McHuett | The Walsh Family |
| Kara Gasioroswki | Becky Melzer | Kalle Weeks |
| The Lyman-Ghannam Family | The Mohasci Family | Carol Wolff |
| Lynn Goldman | Kelly Money | The Wylie Family |
| Susan & Martin Grogan | Shoan Morales & James Treacy | |
| Revital Rasis & Danel Gustafson | Susan Morris | |
| | Nancy Kuhns & Chris Neubling | |

Education Wish List

Our youngest visitors are most engaged when they are actively learning through exploration and hands-on participation. The Preserve’s Education Department would like to add an activity area for children and families inside the Visitor Center. Whimsically designed, this space in the Visitor Center will feature nature puzzles, stencils and self-guided activities, which will change seasonally. This would be another opportunity to learn about nature at the Preserve!

A total of \$600 allows us to purchase the supplies needed to create this special space. Donations of all sizes are welcome. Please send your contribution to Kelly Joslin, Education Coordinator; Bowman’s Hill Wildflower Preserve, P.O. Box 685, New Hope, PA 18938. Please indicate that your donation is for the “Children’s Activity Area.” Thank you for your support!

Intern Insights

Each summer, interns are tasked with a relevant project that promotes the mission of the Preserve. The Preserve was fortunate to have the knowledge, assistance and support of three 2017 summer interns, Kristie Lane Anderson, Kristen Boni and Marilyn Can.

Kristie sought to enhance the pocket meadow habitat along the Marshmarigold Trail, part of the Butterfly Walk. She removed invasives and planted native species that provide food for pollinators and their larvae.

Kristen administered a survey to determine the habits and needs of visitors. The information she collected provides insight into visitors’ preferences so that we may enhance the experience with educational tools and signage.

Marilyn focused on species identification and interpretation of the moss garden. She held a training session for Naturalists and staff, where they learned how to teach visitors about this unique habitat.

We wish these three students the best as they return to college!

Welcome Jessica Federman, the Preserve’s New Communications Coordinator

Please welcome the Preserve’s new Communications Coordinator, Jessica Federman. Jess is an integrated marketing expert with more than 15 years of experience in both traditional and digital marketing. She is well-versed in developing marketing strategies and implementing them through a variety of venues: newspaper, social media, video, websites, and more.

Prior to joining the Preserve staff, Jess established a small marketing firm, MindShuffle, which specializes in strategic storytelling for small businesses. She is also an adjunct instructor at Bucks County Community College in the Business Studies Department. Previous to founding MindShuffle, Jess served as Marketing Director for several long-term care communities.

As Communications Coordinator for the Preserve, Jess is responsible for the care and maintenance of the new website and social media channels (Facebook and Instagram) and for the production of all of the Preserve’s printed materials, from business cards to the newsletter. We look forward to Jess’s energy, enthusiasm and experience as she raises the profile of the Preserve in the community we serve, so that we may continue to achieve our mission. Welcome aboard, Jess!



Program Highlights

The Preserve offers learning opportunities for all ages to enjoy. See our complete program listing bhwp.org/learn/calendar.

KIDS & FAMILY PROGRAMS



WHISPERS IN THE WOODS

Sunday, October 15; 1:30 - 3 pm
Members: \$5; Non-members: \$7

Come join naturalist Mary Nogami for a leisurely walk in Penn's Woods and along Pidcock Creek. Under a colorful canopy of fall foliage, listen to stories about Revolutionary War soldiers and notable historical citizens of New Hope and Washington's Crossing - individuals who still impact us today. Age 8 and up.



WOODLAND PUMPKIN HUNT

Saturday, October 24; 2 - 4 pm
Members: \$15 per member & child; Non-members: \$18 per non-member & child

Advance registration by October 22.

Take a magical journey in the woods, through the eyes of Mousekin, Edna Miller's classic book character, as he prepares for the coming winter. We'll search for food, watch for predators, and find our own "golden house" to decorate and take home. Ages 3 through 8 with an adult.

 **REGISTER ONLINE AT**
BHWP.ORG/LEARN

TALKS, WALKS & LECTURES



A MEMBERS-ONLY EVENT: FLOWER TO TOWER HIKE

Sunday, October 8; 9 - 11 am
FREE

Advance registration by October 2.

Preserve Members are in for a special treat! Naturalist guides lead the way for this early morning walk from our Visitor Center to Bowman's Hill Tower. Along the way, we'll discuss the interesting plants and habitats we encounter. Then, we'll venture to the top of the tower to experience the spectacular view of the surrounding landscape. We will end our journey with a sweet autumn treat of donuts and cider. Please note, the walk is steep and strenuous at the top of Bowman's Hill. Please bring your own water.



TALES FROM A NATURALIST'S DIARY

Sunday, November 5; 1:30 - 3:30 pm
Members: \$20; Non-members: \$25

Advance registration by November 2.

Join us for a program that's complete with all the natural history facts and questions you never thought to ask. Filled with images of Mother Nature's oddities, naturalist Pete Bacinski's presentation will touch on birds, wildflowers, ferns, mammals, and reptiles and amphibians, as well as many unusual natural history events. Tales from a Naturalist's Diary will be enjoyed by whole family. Age 15 and up.

TALKS, WALKS & LECTURES



LEARN ABOUT LICHENS

Saturday, November 18; 1 - 4 pm
Members: \$15; Non-members: \$20

Advance registration by November 16.

Are they plants? Are they fungi? No, they are both! Lichens are everywhere you look, and they are as fascinating as they are ubiquitous. Join lichenologist Dennis Waters to learn about these remarkable botanical partnerships; understand how they work and how they've grown to be so dependent on each other. Following a short talk, we'll take an excursion into the Preserve to find lichens growing on trees, on rocks and on the ground. Learn about their lifestyles, their habitats and their important contributions to ecosystems. You'll have plenty of opportunities to try your hand at identifying the lichens you find! Please bring a 7-10x hand lens, if you have one, to assist you during the lichen search; a limited number will be available to borrow. Age 15 and up.



SEE WHAT'S IN SEASON
www.bhwp.org/bloom

A visit to the Preserve
offers rewards at any time
of the year.

Program Highlights

WORKSHOPS & EVENTS



WINTER WATERFOWL FIELD TRIP

Wednesday, December 6; 8 am - 5 pm
Members: \$25; Non-members: \$30

Advance registration by December 3.

As they travel south, many species of waterfowl make a migratory stop at the Edwin B. Forsythe National Wildlife Refuge in Oceanville, New Jersey. Education Coordinator Kelly Joslin and birders Chris and Gerry Dewaghe will serve as your hosts and guides on this special visit to "Brig." We'll look for brant, teal, scaup and others; plus we may get bonus birds like peregrine falcons, bald eagles and winter sparrows along Wildlife Drive. Spotting scopes and snacks will be provided. This program is geared towards adults.



SPECIALTY WALKS

WINTER SOLSTICE WALK

Thursday, December 21; 10 am - 11:30 am
Members: \$6; Non-members: \$8

Advance registration by December 19.

Instead of hunkering down and bemoaning the longest night of the year—also known as the winter solstice—celebrate with a stroll through the Preserve with Education Coordinator Kelly Joslin. We'll celebrate the joys of winter with a walk on the Preserve trails at a time when the sun is lowest in the sky and we experience the shortest days of the year. We'll conclude in the Visitor Center with hot drinks and cookies. Age 8 and up.

Save the Date: Land Ethics Symposium

THURSDAY, MARCH 15, 2018

Creative Approaches to Ecological Landscaping

Delaware Valley University, Doylestown, Pennsylvania

In 2018, we celebrate the 18th anniversary of our annual Land Ethics Symposium, "Creative Approaches to Ecological Landscaping." On Thursday, March 15, 2018, we will welcome speakers and attendees at Delaware Valley University in picturesque Doylestown, Pennsylvania.

A stellar lineup of speakers headlines the upcoming symposium, including Dr. Steward T.A. Pickett, a plant ecologist from the Cary Institute of Ecosystem Studies, who specializes in spatial heterogeneity in community and landscape structure and dynamics. Our annual day-long gathering, designed for landscape architects, designers, contractors, land planners, municipal officials and homeowners, focuses on sharing the latest information to help us all create ecologically sound and economically viable landscapes through the use of native plants and sustainable practices. CEUs are available.

Learn more about the upcoming Land Ethics Symposium on our website at <http://bit.ly/BHWP-LES>. Check it frequently for important updates about speakers and sponsors. Later this fall, online registration for the Symposium will be available there.

The Land Ethics Symposium, presented by Bowman's Hill Wildflower Preserve, has long been recognized as one of the leading land planning and ecological design programs in the region, due, in part, to a slate of well-respected, dynamic speakers, as well as the support of many esteemed sponsors. If you are interested in becoming a sponsor for the 2018 Land Ethics Symposium, please contact the Preserve's Education Coordinator at 215.862.2924 or email education@bhwp.org.

For the fourth year in a row, Delaware Valley University serves as the venue for this event. Not only is the campus beautiful, but it is conveniently located at the intersection of routes 611 and 202. It is accessible by SEPTA's Lansdale Doylestown rail line, allowing direct service from Philadelphia.



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TWINLEAF NEWSLETTER

FALL 2017 | VOLUME 24, ISSUE 3

Give Your Garden a Head Start with Fall Planting

While most of us are winding down in the fall, our plants are also preparing for winter. Their energy is directed toward establishing strong root systems and spreading their seeds, rather than producing lush blooms and flowers. As gardeners, we may take advantage of this natural rhythm by planting new plants and dividing old ones. Then, when spring comes, these plants are established and ready to grow as soon as the soil warms. "Many gardeners are of the opinion that fall is the best time to plant, especially trees and shrubs," says Preserve Naturalist Jean Barrell. "Spring-planted woodies may struggle during their first summer until they develop sufficient root structure to withstand drought and heat; those planted the previous fall have a head start."

Our Native Plant Nursery is stocked with woodies and other native perennials for you to plant this fall. Of particular note are our young persimmon trees (*Diospyros virginiana*), which are easy to grow in moist to dry conditions. If you plant both male and female trees, you will be rewarded with large, edible salmon-colored fruit once the trees fully mature.

The Native Plant Nursery at Bowman's Hill Wildflower Preserve is open through October 31, 2017.



Persimmon tree (*Diospyros virginiana*)
Photo: Mary Anne Borge

Where Mind, Heart and Spirit Bloom

Bowman's Hill Wildflower Preserve inspires the appreciation and use of native plants by serving as a sanctuary and an educational resource for conservation and stewardship.

Bowman's Hill Wildflower Preserve

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