

# TWINLEAF NEWSLETTER

SPRING 2018 | VOLUME 25, ISSUE 1



*The Preserve is grateful for the hard work of all volunteers. Pictured with Executive Director Miles Arnott and Volunteer Coordinator Regina Moriarty are some of the top time donors of 2017. Left to right: Dolores Labrum, Kathy Vannozzi, Julie Davies, Judy Eby, Jean Barrell, Terri Layton and Steve Swanson*

## Thank You, Preserve Volunteers

Our volunteers are the heart and soul of Bowman's Hill Wildflower Preserve. They are vital to helping us fulfill our mission. Each fall, we have the privilege of recognizing and thanking our dedicated, talented and generous volunteer team. The annual Volunteer Recognition Brunch on November 11, 2017, celebrated those who contribute their time and talents to the Preserve and its mission.

In 2017, volunteers donated over 13,000 hours supporting Preserve staff in achieving goals, keeping the property looking pristine,

taking care of our seeds and plants, greeting the public, running programs and fundraising. They made possible some very special accomplishments, as well, including the creation of a new website, refocusing the Preserve's brand, aiding visitors and helping on the Nursery sales floor. Volunteers led the charge in building "Pete's Shed" and the new greenhouse, dredging Founders' Pond and renovating the Prop House. "We have a lot to be grateful for," says Volunteer Coordinator Regina Moriarty.

To help us honor our volunteers, several community sponsors donated or discounted goods. Special thank you to Barnes Arboretum, Blue Acres Farm, Brandywine Conservancy & Museum of Art, Buckingham Valley Vineyards, BucksMont Party Rental, Crossing Vineyards and Winery, Giant Food Stores, Longwood Gardens, The Lucky Cupcake Company & Village Bakery, McCaffrey's Markets, Mt. Cuba, Newtown Theatre, Nothing Bundt Cakes, oWow Cow Creamery, Riverside Symphonia, Rojo's Roastery, Shady Brook Farm, and Triumph Brewery.

We would like to recognize our volunteers' contributions by hours: Judy Eby (1173 hours), Jean Barrell (434 hours), Dave Horne (350 hours), Lynn Holzner (301 hours), Julie Davies (300 hours), Kathy Vannozzi (276 hours), Mary Ellen Sibley (231 hours), Steve Swanson (238 hours), Dolores Labrum (226 hours), Jeff Buckwalter (215 hours) and Terri Layton (212 hours)

**Volunteers with 100–200 hours:** Blanche Anderson, Dot Gaboda, Stephanie Lovenguth, Ed Carpenito, Chris Holzner, Adela Agnew, Carol Welsch, Bruce Roush, Bruce Beans, Judy Hallberg, Barbara Sheinmel, Les Swartley, Joan Jenks, Carolyn Mora, Elizabeth Randolph, Sandra Escala, Carl Hornick, Margie Rutbell, Rick Anderson and Art Veneziale

**Volunteers with 50–100 Hours:** John Kopcha, Rob Barrett, Mary Anne Zupeck, Erika Kolecki, Pat Salmon, Emily Grace, Julia Klossner, Barbara Bailes, Mare McClellan, Lauren Eby, Chris Dewaghe, Leah Hight, Chris Brookes, Melanie Kavanaugh, Stephen Jayne, Marty Kalbach, Henry Holcomb, Mary Nogami, Barbara Drew, Dave Shanno, Margery Golen, Patsy Wang-Iverson, Marion Kyde, Susan Vigilante, Sue Hurst and Nancy Quanstrom



**Bowman's Hill  
Wildflower  
Preserve**

# Twinleaf Newsletter

*Published as a benefit of Preserve membership.*

## 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: [bhwp.org](http://bhwp.org)  
Email: [bhwp@bhwp.org](mailto:bhwp@bhwp.org)

The Preserve is located 2 ½ 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 Monday, 9 am-5 pm in April, May and June  
Open Memorial Day and Labor Day  
Closed Thanksgiving Day and Christmas Eve through January 1.

## Admission

Preserve Members: FREE

Non-Members:

Adults: \$6

Seniors (65+): \$4

Full-time students: \$4

Children 3-14: \$3

Children under 3: FREE

## staff

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

## 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 Department of Conservation and Natural Resources. 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.*



## Message from the Director

The Preserve is growing in so many ways. It is exciting to share these developments with you.

Our mission is reaching an ever-expanding audience through educational program offerings, like the Native Plants in the Landscape Conference, and by partnering with similarly-aligned organizations, such as the Woman's Farm and Garden Association.

The staff and Board are steadfastly committed to connecting with more people through the power of social media. Our number of Facebook friends is growing; Instagram followers love the photogenic Preserve grounds. Online promotions through Groupon help to drive attendance and membership to new heights. The attention paid to education and marketing at the Preserve has been purposeful and deliberate, but it is only two legs of the three-legged stool.

The final part of the equation is an organizational spotlight on the property itself. You see evidence of our focus everywhere you look when you visit the Preserve. The Nursery is in the final phases of a multi-year upgrade, which includes a new fence, enlarged growing space, propagation greenhouse, new cold frames and work shed. The nearly-complete renovation of the propagation head house provides staff office space, cold storage for native plant seeds and a new indoor work area for propagation volunteers.

The dredging of Founder's Pond is complete; its water supply is in the process of being restored. The Collections Committee is drafting a list of plants to add to the Founder's Pond landscape once the water flow has been secured.

So badly damaged during the microburst event in the summer of 2016, the area near the corner of River Road and Aquetong Road is being cleaned up as part of a multi-year project to turn the area into a diverse meadow to support native pollinators.

The Preserve's Collections Committee and Curator continue to make great strides in adding to the living native plant collection in support of our educational goals.

We are determined to make the perimeter fence as secure as possible by making permanent repairs to the breaches in the fence and making the automatic gates operational once again. This is critically important to protect the native plant collection-which includes some rare, threatened or endangered species-from hungry deer. Some of the funds from this year's Spring Wildflower Gala will support this important project and help us to "Protect the Gem."

Our new state partner, the Pennsylvania Department of Conservation and Natural Resources, has followed through on their promise to fix a badly leaking Visitor Center. The installation of a new roof will ensure our staff, volunteers and visitors remain safe and dry for many years to come.

Preserve members, donors, granting organizations, partners, volunteers, board and staff have each played an important role in making all of these good things happen. I invite you to visit the Preserve in the months ahead to see what is new here. I think you will be pleased to see that we are polishing the gem that is the Preserve!

Miles Arnott, Executive Director

COME FOR THE PRESERVE'S

# Spring Celebration

— April 14 & 15, 2018 —

## SATURDAY, APRIL 14

**MEMBERS-ONLY LECTURE 10AM-11AM**  
**MEMBERS-ONLY SHOPPING 11AM-1PM**  
**SHOPPING OPEN TO THE PUBLIC**  
**1PM-5PM**

*Join us for this spring's Members-Only Lecture, featuring Dr. Dan Duran*

### GETTING TO THE SOURCE OF OUR NATIVE PLANTS: DOES PROVENANCE MATTER?

**Members: FREE**

As native plants gain popularity in the horticultural trade there are important issues and challenges that need to be considered. The potential for genetic exchange between cultivated native plants and wild plant populations means that our landscaping decisions have impacts beyond the boundaries of our yards. Does the geographic source of a plant matter as long as it's a native species? Are cultivars of native species equivalent to naturally occurring populations? These topics are discussed and recommendations given to help native plant enthusiasts make better-informed decisions for long-term survival of native species.

*Dr. Dan Duran is an Associate Teaching Professor in the Department of Biodiversity, Earth & Environmental Sciences at Drexel University, where he has taught courses including Biodiversity, Entomology, and Native Plants & Sustainability. His research is focused on the discovery of new species and advancing the fields of taxonomy and systematics, and examining the important roles of insects and plants in functioning ecosystems. He is a co-author of the book A Field Guide to the Tiger Beetles of the United States and Canada. Recently he co-founded The Mid-Atlantic Native & Threatened Insect Zoo.*

## SUNDAY, APRIL 15

**WILDLIFE GARDENING: HOW TO MAKE MESSY LOOK GOOD**  
**FEATURING NATURALIST AND GARDEN CONSULTANT PAT SUTTON**

1 pm-4 pm

Member: \$45; Non-Member: \$50



Is your wildlife garden not living up to your expectations? Are you afraid of what the neighbors think? Are some of your plants misbehaving? Confused by what's what: weed or

treasured native? Join naturalist Pat Sutton as she helps you answer these tough questions asked by novice and experienced gardeners alike. *Advance registration required by April 10, 2018.*

*Pat Sutton has keenly studied the natural world for 40 years, first as the Naturalist at Cape May Point State Park and then as the Naturalist and Program Director at the Cape May Bird Observatory. A passionate advocate and wildlife gardener, Pat is now a freelance writer, photographer, educator and wildlife garden consultant.*

---

**REGISTER ONLINE AT**  
[bhwp.org/learn/calendar](http://bhwp.org/learn/calendar)  
 or call 215.862.2924

---



## Recommended at the Twinleaf Book & Gift Shop

### NEW PRESERVE MERCHANDISE MAKES A SPRING DEBUT

When you visit the Preserve to enjoy the early blooms, browse the array of all-new merchandise at the Twinleaf Book & Gift Shop, including logo and fashion T-shirts. Add a burst of color to your early spring wardrobe with a full-zip fleece hoodie; top it off with a colorful logo cap. Show your pride in the Preserve with this attractive and comfortable new gear.



### WEARABLE WILDFLOWERS

Looking for an affordable wildflower-themed gift for a special person in your life? Select a bloom or two from the new line of handcrafted leather jewelry by Al-Ka Lines. These handmade creations—featuring wildflowers, birds and other wildlife—are sure to please. Choose from an assortment of necklaces, earrings (including clip-on), zipper pulls, key rings and more.

### PRESERVE HISTORY IN A BOOK

Take home a piece of Preserve history. Pick up a copy of *Ways with Wild Flowers*, a guide to native plant communities. Originally published by Bowman's Hill Wildflower Preserve in 1983, this book includes the natural history of Bowman's Hill and the surrounding area, a close-up view of local habitats, useful information on wild plant propagation, a plant list and maps of the Preserve's original trails.

There is so much in store! Remember, Preserve members receive an additional 10% discount on purchases in the Twinleaf Book & Gift Shop.

## Inspired to Share Our Mission

by Bruce E. Beans



*This family is inspired to plant more natives. Left to right: Scott Kozlansky, Jennifer Kozlansky, and Benjamin Joseph Dziuba.*

Jennifer Kozlansky and her husband, Scott, became members last September, on the first day they ever visited the Preserve. The couple drove more than two hours from their home northwest of Scranton, Pennsylvania, to attend a lecture at the Preserve by landscape architect Larry Weaner, which included information on how to establish wildlife meadows.

The lecture piqued their interest because they were helping Jennifer's 89-year-old father, Benjamin Joseph Dziuba, realize his dream of growing organic blueberries on the family's 100-acre farm along the Susquehanna River in Tunkhannock, Pennsylvania. They needed to attract more pollinators to the blueberry bushes; to do so, they decided to convert some of their unused farmland to wild meadows.

"Larry's message is terrific," says Jennifer. "If people have some land, it can be so much more beautiful and useful for wildlife as a meadow as opposed to a lawn, and it requires much less maintenance."

After the lecture, the couple took a Naturalist-guided tour, walked more of the trails on their own and purchased a number of plants from the Native Plant Nursery. "We had so much fun," says Kozlansky. "I just love what the Preserve is doing. Wildflowers are such a simple thing. I think most people don't realize how important and amazing wildflowers can be, and how crucial the right kind of species are to our welfare."

The day Jennifer and Scott visited, the Native Plant Nursery was alive with butterflies and birds. "If it weren't for the Preserve, hundreds of interested children and adults would miss out on the education, enchanting landscapes and introduction to a rare and wonderful native nursery the Preserve provides. The experience can change their whole view of gardening and land maintenance." The plants the Kozlanskys took home included obedient plants (*Physostegia virginiana*), purple lovegrass (*Eragrostis spectabilis*), golden Alexander (*Zizia aurea*), golden ragwort (*Packera aurea*), hog-peanut (*Amphicarpaea bracteata*) and, for the edge of a pond they've dug, blue flag iris (*Iris versicolor*).

"I'm really inspired by the Preserve," says Kozlansky. "Ultimately, we'd like to do something at our farm to create a place where people can learn about native plants, too."

*Photo below: One of Jennifer's meadows, located northwest of Scranton, Pennsylvania.*





## Protecting the Gem

Thirty-five percent of all native Pennsylvania flora is represented at the Preserve; this outstanding collection of over 700 species of plants is safe because of the ten-foot high deer fence that encloses most of the grounds.

The fence, installed in 1993, is the Preserve's only defense against the herds of deer that seek to invade and devour our living collection of native plants. Unfortunately, this perimeter safeguard has become compromised; years of weather and wear now require the repair and replacement of critical sections of the fence.

This April, the 2018 Spring Wildflower Gala theme, "Protecting the Gem," highlights the need for this essential line of defense. The

funds raised at this year's event will be used to rebuild and repair the fence, so that the priceless collection of native plants will be preserved for future generations to learn from and enjoy.

"Anyone who has ever planted anything understands the damage deer can do," says gala Co-Chair Sandy Weisbrot. "This year's gala supports a need that is mission-critical."

To learn more about the Preserve's annual Spring Wildflower Gala on April 28 and to purchase tickets, please visit [bhwp.org/gala](http://bhwp.org/gala). To secure a sponsorship or to donate an auction item, please contact Preserve Development Director Kellie Westervelt at 215.862.2924 ext. 105 or email [development@bhwp.org](mailto:development@bhwp.org).

## Grants Help Us Grow

The Preserve began the new year on solid footing, with the receipt of three grants at the end of 2017. The funds from each of these grants are slated for projects that will be completed by the end of 2018. The Preserve will upgrade its point of sale (POS) system thanks to a generous grant from the McLean Contributionship and an accessible trail is being created through funding from the Foundations Community Partnership. Work also began on meadow establishment in Aquetong Corner with support from the Bucks County Conference and Visitors Bureau.

### POINTING US IN THE RIGHT DIRECTION

The McLean Contributionship awarded a grant to the Preserve to upgrade the point of sale system which will lead to greater efficiency and financial capacity. This important infrastructure improvement builds upon previous support from the McLean Contributionship for our Nursery Renovation Project. An upgraded and integrated POS system will enable Preserve staff and volunteers to track inventory of our nursery-grown native plants and to record customized plant data, such as plant provenance. "This is critically important information to our conservation efforts and of concern to restoration practitioners interested in seed source populations and locations for their projects," says Preserve Development Director

Kellie Westervelt. Further, a new system will simplify checkout procedures for our Nursery and Twinleaf Book & Gift Shop volunteers, better utilizing their time and experience at the Preserve. It will also enhance the customer experience in both the Nursery and the Shop. Finally, this grant supports an increase in Preserve's financial capacity by using more sophisticated reporting functions, which will inform marketing and business planning with more specific and timely data. As a result of this project, the Preserve will be better positioned to promote the preservation of native plant species and encourage the use of native plants in our home landscapes, both of which are core elements of our mission.

### A UNIVERSALLY ACCESSIBLE TRAIL

The Preserve's 3.5 miles of trails, through mature forests, woodlands, meadows and wetlands, are not easily traversed by everyone. Universal accessibility has been limited to two disconnected areas: the Visitor Center and the Pond, which is located in the northeastern corner of the property. Visitors with mobility limitations had to return to their vehicles and drive to the Pond from the Visitor Center in order to explore any portion of the Preserve.

Thanks to a grant from the Foundations Community Partnership, the Preserve is

installing a trail, compliant with the Americans with Disability Act, which connects the Visitor Center to the Pond through Penn's Woods. "This project provides an equal opportunity for education and exploration to all visitors," explains Executive Director Miles Arnott. Plans also include the development of enhanced interpretation in the area along the trail to share the benefits of nature with a wider audience.

Learn more about the revitalization of Aquetong Corner in this issue of the *Twinleaf*, on page 7.

### Preserve Board of Trustees Welcomes New Members

Look for more information about our new Board members in the next issue of the *Twinleaf*.

- Julie Davies
- Iveta Gigova,  
*Treasurer and Finance Chair*
- Chris Holzner
- Julia Klossner
- Steve Swanson



# A Revealing Look at Lichens

by Julie Davies

Of all the botanical wonders at Bowman's Hill Wildflower Preserve, perhaps none is as overlooked and underappreciated as the many species of lichens found in abundance here.

The world of lichens was revealed to an enthusiastic crowd at the Preserve in November during a lecture and field hike by noted lichenologist Dr. Dennis Waters. Dr. Waters recently completed a field survey of lichens at the Preserve and he was eager to share his findings with the audience.

During his study, Dr. Waters identified a total of 77 named species of lichens; he also found several ambiguous, or undescribed, species. "Dr. Waters was surprised to find such a variety of lichen species here. That is a strong indication of the environmental health of the Preserve and the air quality in the area," explains Preserve Curator Jason Ksepka.

Indeed, many lichens are extremely sensitive to low air quality and readily absorb heavy metals from surrounding soil; these tendencies may lead to their demise in urbanized areas. Some species of lichens, however, are tolerant of pollution and may be found in highly developed areas. "The presence or absence of lichens is a useful way to monitor the environmental health of a given site over time," continues Jason.

Among the 77 species identified by Dr. Waters, there was one—*Fellhanera montes fumosa*—a rock dwelling lichen, that, if verified, may represent only the second specimen of its kind ever found.

The next time you are here, ask about the listing of identified lichen species found at the Preserve. The specimens collected by Dr. Waters at the Preserve will be added to the collection at the Steere Herbarium of the New York Botanical Garden.

## WHAT ARE LICHENS?

Lichens are a unique life form. They are neither simply a plant nor fungus; rather, they are the result of a symbiotic relationship between a fungus and either an algae or a cyanobacteria. New research shows that they may also require yeast as a third member of this relationship. Lichens are found in nearly every region of the world, on both biotic and abiotic substrates (such as rock or concrete). They are even found in extreme environments such as desert, tundra and alpine locales, where few plants can survive. While they're easy to overlook outside, a close look at lichens shows that they take different forms, crusty (crustose), leafy (foliose) and branching.



BRANCHING



CRUSTY



LEAFY



THANK YOU, MEMBERS for your contribution to the effort to preserve native plants and the wildlife that depend on them. With your support, we fulfill our mission.



The area of Penn's Woods, at the intersection of Aquetong Road and River Road, was destroyed by a microburst in 2016.

## Aquetong Corner's New Look

Have you noticed a lot of activity around the area of the Preserve where Aquetong and River Roads meet? This space was destroyed in 2016 by a microburst. With the expertise of Preserve staff and other native plant and wildlife experts, this swath of property will become Aquetong Meadow; here, there will be more for visitors to explore and greater diversity to the living collection of native plants at the Preserve.

Establishing the Aquetong Meadow is a process expected to take approximately 36 months to complete; thanks to the proceeds from the 2017 Spring Wildflower Gala and a grant from the Bucks County Conference and Visitors Bureau, the Preserve has begun the process of rejuvenating that acreage. Other grants are pending and donations are being sought for the later phases of the project, and the long-term maintenance of the meadow.

This very special corner of the Preserve serves many important functions. It offers visitors and passerby their first glimpse of our grounds. As the gateway into New Hope along River Road, the vista provides some with their first impression of the area. By establishing a meadow in the storm-damaged area, the Preserve will showcase Pennsylvania's spectacular meadow species and provide a habitat for rare plants, like locally extinct swamp sunflower (*Helianthus angustifolius*). The meadow will also serve its ecological function, filtering stormwater runoff, providing food sources for butterflies and other pollinators and

sheltering small mammals like voles, rabbits and woodchucks. Further, interpretation of the storm event—its effects on the landscape and the plants that were reestablished—will provide educational opportunities to school children, tourists and local visitors for years to come.

### WHAT IS NEXT?

Wildflower seed collected from throughout the region, from hundreds of pollinator-friendly native plant species, are being sown; plugs of appropriate native meadow species will be out-planted to ensure coverage during the first year of establishment. Larger shrubs will be installed in the eco-tone, the transition between woodland and meadow.

Plans also call for a new trail loop, featuring interpretive signs that educate visitors about the meadow-building process, how it supports diversity and sustainability and how native plants can be incorporated into home landscapes. These signs, maps and other educational materials will tell a fascinating story of the meadow in a meaningful way and will help advance the Preserve's mission "to inspire appreciation and use of native plants and to instill a stewardship and conservation ethic" in those who visit.



## Volunteer Voice: Megan Coolahan

Megan Coolahan first learned about the Preserve from family members and friends. "They recommended it as a great place to both experience nature and find ideas for using native plants in my own garden," Megan says.

Megan began volunteering at the Preserve in spring 2017. "In my year here," she continues, "I've participated in the Summer Student Program and worked as a volunteer in the Twinleaf Shop."

Volunteering at the Preserve has helped Megan to incorporate native plants more extensively into her home garden; she notices that they attract more butterflies, bees and other wildlife. Her favorite native plants are sunflowers, coneflowers and beebalm.

"To me, Bowman's Hill Wildflower Preserve is a beautiful landscape year-round and an endless source of inspiration for my own gardens," Megan describes. "It is also a great place to meet other people who are passionate about preserving native plants."



## Bowman's Hill Wildflower Preserve 2017 Annual Fund Donors



### FOUNDER'S CIRCLE

Church & Dwight Employee Giving Fund  
Eden Charitable Foundation  
Hilary and Michael Glenn  
Marion B. Morton Fund  
Mr. and Mrs. Eric B. Nogami  
Tricia and Scott Reines

### MOUNTAIN LAUREL CIRCLE

Anonymous  
The Benevity Community Impact Fund  
Betsy and Joseph Falconi  
Johnson & Johnson Foundation  
Elizabeth and William Wolfe

### DOGWOOD CIRCLE

Deborah and Patrick Agnew  
Barbara Bailes  
Polly and Fred Beste  
Deborah and Michael Brady  
James J. and Jeanne M. Bray  
Dr. and Mrs. Jeffrey A. Buckwalter  
Karen and Boyce Budd  
DePalantino & Company, CPAs  
John and Susan Eichert  
Mark and Sue Eveland  
Wendy and Eugene Gladston  
Jacqui and Dave Griffith  
Andy and Allison Hamilton  
Mr. and Mrs. Ray Hurst  
Nadine Johnson  
H. F. Lenfest  
Bill and Jane MacDowell  
Mr. and Mrs. James H. W. Newbold  
Drs. Patricia Ludwig and Laurence Popowich  
Cookie and John Spears  
John Bisignano and Alexandra Storm

### TROUT LILY CIRCLE

55 Bradford Land Conservation Inc.  
R. Randolph Apgar and Allen D. Black  
Jean F. Barrell  
Catherine Brown  
Andrea and John Carber  
Edward Carpenito  
Church & Dwight Employee Giving Fund  
The Darwin Foundation  
Mr. and Mrs. Brian T. Davies  
Jeanne DeMoss  
Melissa Eiseman, Eiseman Construction/Eiseman Roofing  
Jean B. Falconi  
Kimberly and Dennis Fitzgerald  
The Gallo Family  
Carleton Holstrom and Mary Beth Kineke

Christopher and Lynn Holzner  
Mary Jane Kirkpatrick  
Carla and Robert Lewis  
Kristen and Eric Luthi  
Robert Myers  
Joshua Perlsweig and Natalie Hamill  
The Rakestraw Family  
Erin and Robert Russin  
Kathy Schroeder and James Clare  
Mr. and Mrs. Jeff Shaffer  
Susan Rorer Whitby

### MARSH MARIGOLD

Mr. and Mrs. Andrew Allen  
C. V. Beath  
Glenn Blakely  
Rebecca Blank and Anthony Versarge  
Franta Broulik  
Pete Carber  
Mr. and Mrs. Christopher B. Chandor  
Jennifer and David Cunning  
Robert and Linda DeLap  
Robert Goodwin and Joseph Demchur  
Doylestown Nature Club, Inc.  
Arlo, Lauren and Judy Eby  
Ted and Kathy Fernberger  
Monica and Oliver Flint  
June K. Fulton  
Garden Club of Princeton  
Mr. and Mrs. Barry Gluck  
Alex Wallace and Mary Goldschmidt  
Diane Halasz  
Peggy and Bill Hecht  
Janeth Hendershot  
Erica Hoffmann  
Carl and Linda Homnick  
Jaqui and John Hover  
Gail and Alan Keim  
John F. Kelly and Cheryl A. Kennedy  
Donna and Michael Lacey  
David M. Lauer  
John McDevitt and Helen Tai  
Merck Partnership for Giving  
Axel Muehlig  
The Newitt Family  
Henry and Julie Parry  
Marcella Rozwadowski  
Margie Rutbell  
Rita Sepowitz Saltz  
Richard and Vicky Smith  
Leona Sohmers  
Milt and Marguerite Walton  
Ginny and Jack Wilkerson

### BLUE FLAG IRIS

Kathleen M. Arnold-Yerger  
Peter Augenblick  
Friends from Revolution Fitness  
Sarah and Harry Barfoot  
Maureen A. Barrett and Michael L. Templeton

Wendy and Gabriel Battisti  
Mr. and Mrs. George R. Bessette  
Judith Boice and Joan Carboni  
Bernadette Bonanno  
William and Clara Bondinell  
The Brussock Family  
Bucks Country Gardens  
Bucks County Cottage on the Delaware  
Mr. and Mrs. Chris Caputo  
Mr. and Mrs. Ralph W. Carey  
Christopher Carey  
Carnegie Museums of Pittsburgh  
Mr. and Mrs. Bruce D. Carswell  
Mary B. Coe  
Patricia M. Coleman and Alfred Fittipaldi  
Deborah Colgan  
Suzanne Crilley  
Thomas Crosier  
Donna Curtis  
Delaware Valley Fern and Wildflower Society  
Mr. and Mrs. Gerard Dewaghe  
Marne and Tom Dieterich  
Jeanette Dille  
Mr. and Mrs. John J. Donahue  
Mary T. Dougherty and Richard H. Turner  
Laure Duval, M.D.  
Joan Eberhard  
Eleanor and Wilmer Evans  
John and Kathleen Fedorocsko  
Linda M. Filoon  
Ricki and Steven Fisher  
James Foster and Amy Wright  
Mr. and Mrs. Tom Garton  
George Nakashima Studio  
Dr. Mary T. Gonzalez  
Jessica Gorman  
Mr. and Mrs. Scott J. Grossman  
James A. Hamilton and Laura M. Rizio  
Mr. and Mrs. Dave Hansel  
Mr. and Mrs. Keith Harrington  
Peter and Denise Hiel  
Leah and Richard Hight  
Christian and Kathy Hoffman  
Scott and Beth Houlton  
Jeanne and Robert Hurford  
Ellen Idelson  
Violeta and Jeffrey Jacobson  
Jeff Jobs  
Liz and Marty Johnson  
Elise Jones  
The Kahan Family  
Martin Kalbach  
Laurence D. Keller and Mary Ellen Maguire  
Tena Kellogg  
Mr. and Mrs. Charles H. Kircher

The Kollar Family  
Cynthia and William Kunkel  
Mr. and Mrs. Neil G. Kyde  
Mr. and Mrs. Louis D. Leigh  
Mr. and Mrs. H. Paul Lewis  
Susan Liwak and Michael Borovicka  
Teresa Lynn  
Wendy Margolis  
David P. Martin  
Leah and Giles McCormack  
Sharlynn McGonigal and Robert Spille  
Glenn W. Meyer  
Donald Mitrane and Regina Bohnsack  
James and Sharon Nelson  
Rosemary Orcochi  
Edward C. O'Rourke  
Dr. and Mrs. Donald E. Parlee  
Kathie and John Parry  
Hilary R. Persky  
Pfizer Foundation  
The Present Family  
Janice Pruch  
Nancy and Dick Quanstrom  
Kay W. Reed  
Ann F. Rhoads  
Danner Riebe  
Maria and Eric Rieders  
Pat and Walt Riehl  
Mr. and Mrs. David J. Romea  
Bob and Pat Rossi  
Mr. and Mrs. Mortimer Ryon  
Susan and Herbert Sandor  
Dave and Billie Satchell  
Laurie Sauter and Gale Griffiths  
Mr. and Mrs. John Schmunk  
Sue and Chuck Scholer  
Jane A. Scopelite  
Naudain Sellers  
Catherine Semler  
Douglas and Kathleen Shaw  
Maria J. Sinibaldi  
Mr. and Mrs. Ronald J. Smolow  
The Sodano Family  
Betty Steckman  
Larry Stein and Renee Dawe  
Mr. and Mrs. Richard C. Stover  
Charlotte and Charles Strawser  
Ms. Sandra L. Streng  
Marsha and LeRoy Tabb  
Susanne Thomas  
Tom Thomas  
Mary Versarge & Theresa Kornak





Min-Chi Von Trentinijess Walcott  
and Eugene Sonn  
Mr. and Mrs. David Wang-Iverson  
Mr. and Mrs. Milton W. Weaver  
Mary Webb and Patricia Webb  
Valerie Werstler and Bradley Hillman  
J. Michael and Elaine Whitaker  
Edward W. Wilson  
Mr. and Mrs. Glenn W. Wolfe  
Mr. and Mrs. Mark Worthington  
Carol and Bill Yandle  
A. L. Yetter  
Carlie and Joseph Zaroff  
David and Georgia Zieger

### 🌱 MAY APPLE

Gudrun Alexander  
Lois Anderson  
Richard and Karen Anderson  
Mr. and Mrs. John H. Anlian, Esq.  
Joy A. Backes  
Anne Baker  
Suzanne K. Banks  
Mr. and Mrs. Joseph R. Barkley  
Sharon and Charly Barr  
Ed Berg and Debby Clark  
Ann and Bill Bishop  
John and Darlene Blake  
Lynn and Kevin Bradley  
Buffalo Exchange  
Tova Burger  
Mr. and Mrs. Charles Carr  
Pamela and David Carvin  
Sarah L. Caspar  
Judith and Robert Clarke  
Dr. and Mrs. Charles D. Connor  
Therese Cooper  
Countryside Gardeners  
Ellen E. Creveling  
Linda de Castro  
Donald Dickson  
Hal Pitkow and Toni Donina  
Coni and Dennis Dungan  
P. T. Dunkle  
Charles Dyer  
Mark Eberle  
Marcia McGuire and Jeff Egglestone  
Joanne Elliott  
Patricia and Daniel Endres  
Ms. and Mr. Kathleen Ernst  
Mr. and Mrs. Arthur Eschenlauer  
Lynne and Richard Fiorelli  
Susan and William Firestone  
Edward W. Fischer  
Marilyn and Eugene Fisher  
Joann and John Ford  
Mr. and Mrs. Stephen Foster  
Carolyn S. Fox  
Ruth and Klaus Fuelleborn  
Sharon and Park Furlong  
The Garden Club of Trenton  
Nora Garman  
Mr. and Mrs. Mark Gehman  
Amy and David Goldstein

Margery Golen  
Lynne Haggerty  
Jennifer Hanf and John Loomis  
Geraldine H. Happ  
Ellen Rogovin Hart  
Mr. and Mrs. Richard G. Hilton  
Elisabeth Hlawaty  
Cecilia Hobson  
Barbara Hordis  
Elizabeth and Henry S. Horn  
Faith A. Hutta  
Jessica M. Jolly  
Mr. and Mrs. Kasey Jueds  
Joan T. Kahn  
Elizabeth Kanoc  
Mr. and Mrs. David Kissinger  
Joan L. Kopchik  
Dolores A. Labrum  
Amy Sadler Lancaster  
Charles Lebegern  
Ms. Donna Levy  
Patty and Steve Lewis  
Lingohocken Garden Club  
Dianne and Carl Logsdon  
Jim and Connie Loughran  
Jane and Lawrence Magne  
Nancy and Alfred Manze  
Ms. Valerie A. Maugle  
Rebecca Menshen  
Mill Race Studio  
August and Judy Mirabella  
Frederick C. Mueller  
Edward Murphy  
Donna Murray  
Scott O'Connor and Mehmet Calis  
Debbie and George O'Connor  
Jerry Luboff and Kenneth Parry  
Doris Peck  
Cheryl Pittore  
Beverley Rhinesmith-Pape  
Donna C. Rhodes  
Janice P. Rockmore  
Rolling Hills Elementary School  
Donna Roppelt and Therese DeAngelis  
Christopher O. Runion  
Kathryn and Paul Rust  
Jill and Howard Savin  
Arlene and Ed Schaller  
Sheila and James Schnell  
Mr. and Mrs. Charles Schumacher  
Linda and Robert Sedgewick  
Alice and Jim Shapiro  
Judy Sharff  
Mr. Dave Shinaly  
Mr. and Mrs. Richard Silverman  
Alice Blake Simonson  
John A. Skolas and Joanne Zippel  
Stephanie Sloboda  
Mark S. Snyder  
Ms. and Mr. Sudi Solomon  
Mr. and Mrs. Jeffrey T. Sroczyk  
Mr. and Mrs. James C. Stagnitto

Stephen Staruch  
The Style Family  
Patricia Tinsman and Richard Wallace  
Mr. and Ms. James Treacy  
Richard D. Trimpi  
Michael Hayduk and  
Theresa Van Praet  
Simon Vannelli and Andree Vannelli  
Ms. Ann M. Vaurio  
Joanne and James Vogel  
Mr. and Mrs. Larry Walinsky  
Anne C. Wall  
Deborah and David Walsh  
Susanna P. Waterman  
Carol Ann Welsch  
Ellen Wilen  
Donna Wilhem  
Gary C. Wilmore and Carol Church  
Mr. and Mrs. Sean L. Wright  
Ray Wysocki  
Carol Zerbe

#### *In Honor of Patricia A. Dougherty*

Mr. and Mrs. David Wang-Iverson

#### *In Honor of Amy Goldstein*

Jessica Federman

#### *In Honor of Sarah Goldstein and Isaama Stoll*

Amy and David Goldstein

#### *In Honor of Amy Hoffman Mawby*

Erica Hoffmann

#### *In Memory of Peter Barrell*

Jean F. Barrell

#### *In Honor of Mary Anne Borge*

Garden Club of Princeton

#### *In Memory of Teri Dabrowski*

Elizabeth Kanoc  
Friends from Revolution Fitness  
Donna Curtis  
Jeanette Dilley  
Jean B. Falconi  
Nadine Johnson  
Patty and Steve Lewis  
Dianne and Carl Logsdon  
Jerry Luboff and Kenneth Parry  
Cheryl Pittore  
Stephen Staruch  
Deborah and David Walsh  
Donna Murray

#### *In Memory of Harry Duckett*

Patricia and Daniel Endres  
Mr. Simon Vannelli and  
Mr. Andree Vannelli

#### *In Memory of Hilda Klein*

Larry Stein and Renee Dawe

#### *In Memory of Frances Lease*

Kimberly and Dennis Fitzgerald

#### *In Memory of Cecilia McAvoy*

Christopher Carey  
Mr. and Mrs. Ralph W. Carey  
Mr. and Mrs. Charles Carr  
Sally Heller

Mr. and Mrs. Richard G. Hilton  
Faith A. Hutta  
Daniel Kennedy  
Mr. and Mrs. Louis D. Leigh  
Rolling Hills Elementary School  
Ms. Catherine Semler

#### *In Memory of Marion and George Nakashima*

George Nakashima Studio

#### *In Memory of William Olson*

Julia and Richard Algeo  
Rhonda and Enaiat Aminian  
Joseph Arsenault  
Jelena Balorda Barone  
Lisa R. Difranza  
Janis Lee Doran  
Flora Project of New Jersey Inc.  
Nabil B. Ghanem  
Joann and Joseph Layton  
Maser Consulting Foundation Inc.  
Lena Struwe  
Frances and Raymond Waker

#### *In Memory of Elizabeth (Betty) Petry*

Ann and Bill Bishop  
Joann and John Ford  
Lingohocken Garden Club  
Leah and Giles McCormack  
Dr. and Mrs. Donald E. Parlee  
Edna J. Schmieder

#### *In Memory of Joyce Pillsbury*

Ms. and Mr. Sudi Solomon  
The Style Family

#### *In Memory of Laura Polansky*

Mr. Paul Bennett and  
Ms. Lauren K. Neal

#### *In Memory of Shirley Preston*

Sharon and Charly Barr

#### *In Memory of Jack Schieber*

Mr. and Mrs. Andrew Allen  
Clara and Clara Bondinell  
Thomas Crosier  
Nora Garman  
David M. Lauer  
Nancy and Alfred Manze  
Arlene and Ed Schaller  
Alice Blake Simonson  
Ms. Ellen Wilen  
Donna Wilhem  
Deborah and Gus Witzel  
Pat and Walt Riehl  
Ginny and Jack Wilkerson

#### *In Memory of Rose Marie Schieber*

Delaware Valley Fern and  
Wildflower Society

#### *In Memory of Murray L. Sharff*

Judy Sharff

#### *In Memory of Elsa (Peg) Smitheman*

Lingohocken Garden Club

#### *In Memory of Jerry Sowa*

Maria J. Sinibaldi

# Making a Meadow

by Bruce E. Beans

On a cold, sunny day in mid-November, Preserve Curator Jason Ksepka scours the Preserve's meadow to collect wildflower seeds for the new Aquetong Meadow at the corner of Aquetong and River Roads. That area was destroyed by a microburst windstorm in the summer of 2016.

Normally, Jason carefully bags and labels each species of seed that he collects to keep them separate for planting and growing. This day, however, he used a 55-gallon trash can to gather seeds from multiple brown, drying-out plant species. To separate the seeds from the chaff, he either flailed the seed heads against the trash can's interior or rubbed them together between his gloved palms and lightly blew the chaff away.

One of his targets: 10-foot-high swamp sunflowers (*Helianthus angustifolius*). "Birds love its seeds. It used to grow primarily in Delaware and Philadelphia counties, but development has eradicated it from Pennsylvania," says Jason, who collected seeds for the Preserve's large, established meadow from plants growing in ditches and underneath powerlines in the New Jersey Pine Barrens. "That loss of diversity is one of the things we try to overcome here."

Further underscoring the Preserve's importance as a refuge, 35 yards up the meadow's gentle slope, Jason later collected seeds from elephant's foot (*Elephantopus carolinianus*), a knee-high aster. For years it was listed as being extirpated, or eliminated, from the Pennsylvania landscape; but, in early 2017, it was removed from Pennsylvania's protected plant list because it is doing so well in places like the Preserve's meadow, where it actively grows.



In the span of a couple of hours, Jason collected seeds from nearly 20 different species, including other asters, tall tickseed, (*Coreopsis tripteris*), giant sunflower (*Helianthus giganteus*), milkweed (*Asclepias syriaca*), gray goldenrod (*Solidago nemoralis*), blue vervain (*Verbena hastata*), Indian grass (*Sorghastrum nutans*), little bluestem grass (*Schizachyrium scoparium*), butterfly weed (*Asclepias tuberosa*), mountain mint (*Pycnanthemum muticum*) and New York ironweed (*Vernonia noveboracensis*).

After cleaning, some of the seed will be grown into plants by the Preserve's Native Plant Nursery. The rest will be sown throughout Aquetong Meadow either late this year or early next year. After that, Jason says, "Nature will determine the seeds' success."



## RENEWING YOUR MEMBERSHIP IS AS EASY AS 1-2-3

Choose to renew in one of three easy ways.

1

Visit [bhwp.org](http://bhwp.org) and click on JOIN US.

2

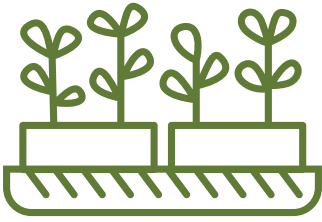
Stop by our Visitor Center and renew in person.

3

Call 215.862.2924

### Questions?

Email [membership@bhwp.org](mailto:membership@bhwp.org) or call 215.862.2924.



**Propagation Volunteers**  
**3123 HOURS**

potting and displaying more than 20,000 plants and supporting special nursery events



**1200 HOURS**

**Committee and Board Members**

guiding the strategic operations of the Preserve

**Gala Volunteers and the Event Support Team**

**1000 HOURS**

planning, decorating, and ensuring a flawless fundraiser that generated \$250,000 in support of the Preserve's mission

**Pocket Habitat**

**TRAVELLED OVER 300 MILES** to get to planting locations and successfully collaborated with over 990 students



**334 HOURS**

**Collection Inventory/Curatorial**

offering expertise on plant identification, scouting and collection; potting up and planting out seedlings and plants throughout the property; updating the Preserve's plant database

**Twinleaf Shop**  
**1837 HOURS**



welcoming visitors, serving as the hub of office communication and shop operations

**Communication Volunteers**



**1700 VOLUNTEER HOURS**

developing, writing and launching the new bhwp.org

**NATURALISTS**

**REACHED 400 PEOPLE THROUGH THE ROVING NATURALIST PROGRAM**



300 educational programs, tours, events and symposia reached an audience of 6,493 people



**Grounds Keeping, Weed Patrol, Weeding Wednesday and DIY**

**750 HOURS**



restoring Founders' Pond, controlling invasive plants, conducting fence patrol and maintaining equipment

**MEMBERSHIP OVER 200 HOURS**



processing Preserve memberships, maintaining records, and handling mailings to our member households

**VOLUNTEER IMPACT**

In 2017, over 13,000 volunteer hours were contributed to Bowman's Hill Wildflower Preserve. We are grateful that volunteers support every area of the Preserve, a community dedicated to fulfilling our mission.



**Naturalists and Education Volunteers**



**938 HOURS**

sharing their knowledge to provide a meaningful experience to more visitors than ever



## Spring Programs

The Preserve offers learning opportunities for all ages to enjoy. Advance registration is required for most programs. See the complete listing of programs and register online at [bhwp.org/learn/calendar](http://bhwp.org/learn/calendar).

### SPECIAL EVENTS



#### 15<sup>TH</sup> ANNUAL SPRING WILDFLOWER GALA Saturday, April 28; 5-10 pm

Don your "black tie and muck boots" for an elegant evening at the peak of spring splendor at the Preserve. Join us for an evening of cocktails, native wildflower walks, extraordinary silent and live auctions, dancing and a delicious dinner by Max Hansen Caterers. This year's gala proceeds support the repair or replacement of critical sections of the Preserve's deer exclusion fence, the property's only protection from deer that seek to devour our priceless collection of native plants.

For reservation information, visit [bhwp.org](http://bhwp.org) or call the Preserve at 215.862.2924.

#### EARTH DAY WORK DAY

**Saturday, April 7; 9 am-1 pm**  
**FREE to all!**

This event features important hands-on activities that spruce up the Preserve in preparation for nature's extravagant spring display. The day begins with hot coffee and project registration; then, we head out onto the grounds and get to work. Your shift ends with a delicious lunch and great conversation about the morning's accomplishments. The Preserve's Earth Day projects are suitable for groups, families and individuals. *Contact Volunteer Coordinator Regina Moriarty at 215.862.2924 ext. 110 or [moriarty@bhwp.org](mailto:moriarty@bhwp.org) for more information and to register.*

### KIDS & FAMILY PROGRAMS

#### NATURE BUDDIES PROGRAMS

**Fridays; 10-11:15 am**

**Members: FREE; Non-Members: \$7 for one child with adult + \$3 for each additional child**

*Advance registration is required by the Wednesday prior to each program.*



#### EARTH DAY EVERYDAY

**Friday, April 20**

Join us as we celebrate and honor our great planet through activities and a craft.

#### WILDFLOWERS ARE WONDERFUL

**Friday, May 4**

It's National Wildflower Week! Find out what makes wildflowers so fascinating to butterflies, birds, and bees.

#### CHILDREN'S SUMMER READING PROGRAM

**Thursdays, June 14 through August 16; 10-11:15 am**

**Members: FREE; Non-Members: \$7 for one child with adult + \$3 for each additional child**

*Advance registration is required by the Tuesday prior to each program.*

Let's explore the wonders of nature. We will read exciting books about the outdoors, take hikes through the Preserve in search of the plants and critters in our stories and make nature crafts to bring home. This program is appropriate for children ages 3 through 8. All children must be accompanied by an adult. Each session is unique, so join us for each one.



#### NATURE EXPLORATIONS

#### HOORAY FOR HUMMINGBIRDS!

**Saturday, April 7; 2-3:30 pm**  
**Members: \$6; Non-Members: \$8**

It won't be long before the hummingbirds return to zip around your yard. Join Preserve Education Coordinator Kelly Joslin to learn more about these flying jewels and how to attract them to your garden. Each participant will make a simple feeder to take home in this hands-on workshop.

#### AMPHIBIAN ADVENTURE

**Friday, April 20; 7-8:30 pm**  
**Members: \$6 adult/\$4 child; Non-Members: \$8 adult/\$6 child.**

*Advance registration required by Wednesday, April 18, 2018.*

The setting sun and rising moon add magic to this stroll through the woods. Explore the natural world during the evening hours. We will listen to and look for spring peepers and wood frogs and see what other warm-weather treasures await us. Please bring a small flashlight.

#### SUMMER NATURE PLAY DAY

**Saturday, June 23; 1-4 pm**  
**Members: FREE; Non-Members: \$3 per person (includes Preserve admission)**

Come for an afternoon of play in nature! Our Visitor Center will be filled with fun and thematic self-guided activities, art projects and opportunities for a guided hike. This is a drop-in family program.



*Advance registration is required for most programs.*

**REGISTER ONLINE AT [BHWP.ORG/LEARN/CALENDAR](http://BHWP.ORG/LEARN/CALENDAR) OR CALL 215.862.2924**



**FASCINATING FIREFLIES**

**Friday, June 29; 7:30–9 pm**  
**Members: \$6 adult/\$4 child; Non-Members: \$8 adult/ \$6 child**

*Advance registration required by June 27, 2018.*

Be a part of a magical journey as we learn about these whimsical creatures. After a short discussion on the life of fireflies, we will decorate a catcher and head out just as the first twinkles begin. This program is sure to bring out the kid in everyone.



**CAMPFIRE MAGIC:  
 TUNING INTO NATURE**

**Sunday, June 10; 7–8:30 pm**  
**Members: FREE; Non-Members ages 2 and up: \$5**

*Advance registration required by June 4, 2018.*

Join us by our spectacular pond, by a blazing fire, for a lovely summer evening of stories and songs. Led by music specialist Susan Sacks, we'll sing together about animals, birds, plants, insects and the many seasonal happenings in nature. A chorus of frogs may sing along with us! Our evening will end with a festive marshmallow roast. Audience participation is a must! Please bring your enthusiasm and blankets and chairs. This campfire sing-along is weather-permitting and may be cancelled if it is actively raining.

*Since the age of 12, Susan Sacks has been playing the guitar and singing. For many years Susan has been teaching early childhood music classes and is also a religious school music specialist. Susan looks forward to our campfire event as she brings people of all ages together in song.*

**TALKS, WALKS & LECTURES**

**ECOLOGY & CONSERVATION**

**INVASIVE SPECIES ID AND MANAGEMENT**

**Saturday, April 7; 10 am–1 pm**  
**Members: \$15; Non-Members: \$20**

*Advance registration required by Thursday, April 5, 2018.*

Discover the Preserve's most unwanted! In this session, you will learn about the problems caused by invasive plants, which species are of concern at the Preserve and beyond and the methods we use to control these exotic intruders. Naturalist Mary Anne Borge will introduce you to invasive plants through an indoor presentation and Grounds Manager Rick Fonda will join Mary Anne to lead you on an outdoor walk. Walk is weather dependent.



**WILDLIFE GARDENING: HOW TO MAKE MESSY LOOK GOOD WITH PAT SUTTON**

**Sunday, April 15; 1–4 pm**  
**Members: \$45; Non-Members: \$50**

*Advance registration required by April 10, 2018.*

Is your wildlife garden not living up to your expectations? Are you afraid of what the neighbors think? Are some of your plants misbehaving? Confused by what's what: weed or treasured native? Join naturalist Pat Sutton as she helps you answer these tough questions asked by novice and experienced gardeners alike.

*Pat Sutton has keenly studied the natural world for 40 years, first as the Naturalist at Cape May Point State Park and then as the Naturalist and Program Director at the Cape May Bird Observatory. A passionate advocate and wildlife gardener, Pat is now a freelance writer, photographer, educator and wildlife garden consultant.*



**WEED PATROL**

**Saturday, May 12; 9:30 am–12 pm**  
**Saturday, June 9; 9:30 am–12 pm**  
**FREE to all!**

*Pre-registration is suggested.*

Join Grounds Manager Rick Fonda for a great way to learn and give back at the same time! Learn to identify native and non-native plants, about the importance of biodiversity and how to remove and dispose of invasive species properly. Your efforts will help to protect our native plant collections and can be used in your own garden. Groups, individuals and families are welcome. Dress for the weather and working in the woods. Gloves and tools will be supplied or bring your own.

**POLLINATORS AND POLLINATION STRATEGIES**

**Saturday, June 16; 1–4 pm**  
**Members: \$15; Non-Members: \$20**

Many plants depend on the assistance of a third party, usually an animal, to help them successfully achieve pollination. How do plants entice visitors to their flowers and then manipulate them to carry pollen to another plant of the same species? Naturalist Mary Anne Borge will introduce you to some of the many potential pollinators of native plants (including bees, flies, wasps, beetles and birds) and to the strategies plants have evolved to achieve successful pollination by taking advantage of these flower visitors. Indoor presentation and discussion followed by an outdoor hunt for potential pollinators.

*Mary Anne Borge is a naturalist, photographer, writer and educator. She is a certified Pennsylvania Master Naturalist, a contributor to Butterfly Gardener magazine, and a volunteer at the Preserve for more than 10 years. She shares her fascination with nature through her writing and photography on her blog, [www.the-natural-web.org](http://www.the-natural-web.org).*

**GROWING NATIVE PLANTS**
**MAKE & TAKE MOTHER'S DAY PLANTER (DROP-IN PROGRAM)**

**Saturday, May 12 & Sunday, May 13**  
**Drop-in between 12–4 pm**  
**Members: \$15/planter;**  
**Non-Members: \$18/planter**

Get ready for Mother's Day with a special planter for mom made with love by you. Our make-and-take table will be open next to the Visitor Center between 12 and 4 pm. You'll pot up a beautiful native plant in a lovely container and finish it off with a bow. It's the perfect gift for moms who love nature!

**MAKE & TAKE KOKEDAMA PLANTER**

**Sunday, June 17; 12–1:30 pm**  
**Members: \$30; Non-Members: \$35**

This Japanese bonsai technique transforms plants into a floating art form. Participants will create their very own kokedama using native plants! These moss balls (koke (moss) and dama (ball)) will add a unique decorative touch to your home. As an added bonus, you can transplant these plants into your garden whenever you want during the growing season.

**SPECIALTY WALKS**
**GUIDED WILDFLOWER WALKS**

**Every Monday in April, May and June;**  
**2–3 pm**

**Every Tuesday through Sunday,**  
**April 1 through October 31; 2–3 pm**

**Members: FREE; Non-Members:**  
**Included with Preserve admission**

See flowers and fruits in season and discover fun facts about their use. Learn about the Preserve's history, habitats and important plant-animal interactions while enjoying the beauty of our trails. Preserve staff and talented Volunteer Naturalists lead these tours, which leave from the Visitor Center with a minimum of two visitors, weather permitting.


**BEHIND-THE-SCENES: NURSERY TOUR**

**Sunday, April 8 (Members only); 12–1 pm**  
**Sunday, May 13; 12–1 pm**  
**Members: \$5; Non-Members: \$7**

Join Preserve Nursery Manager Jake Fitzpatrick for a walk-through of the Preserve's growing area. Normally closed off to all visitors, this is your chance to see how we grow our precious native plants. You will learn how we propagate our seeds and how we care for our native perennials all year long. You will also have the opportunity to pot up a native perennial to take home.

**WILDFLOWERS AFTER HOURS**

**Friday, May 4; 6:30–8 pm**  
**Members: \$8; Non-Members: \$10**

*Please note, this event is for adults only.*

Twilight, with its soft light, cool breezes and humming bees, is one of the most beautiful times of the day. Join Education Coordinator Kelly Joslin during National Wildflower Week for an evening stroll through woodland trails in search of wildflowers, shrubs and other signs of spring.

**MEDICINAL TRAIL PLANT WALK**

**Saturday, May 19; 1:30–3 pm**  
**Members: \$8; Non-Members: \$10**

Plants have historically played a critical role in our health and wellness. Join Pat Coleman as we venture out to the Medicinal Trail, a very special woodland retreat tucked in a rather quiet corner of the Preserve. We will look for some of the most cherished medicinal herbs and talk about their history and their uses. We are likely to encounter a few "uncherished" plants along the way, as well, that have impressive medicinal reputations.

*Pat Coleman is a Volunteer Naturalist at the Preserve, as well as a home herbalist who has been studying medicinal uses of plants for several years.*


**COLLECTIONS WALK: THE FERN TRAIL**

**Saturday, June 2; 10–11:30 am**  
**Members: \$ 8; Non-Members: \$10**

Dr. Edgar Wherry planted nearly 100 species of native ferns during his tenure at the Preserve. Over the years, their numbers have dwindled but many beautiful examples remain. Take a walk with local fern expert David Lauer to explore the Fern Trail while learning its colorful history and our ongoing restoration efforts.

**WHAT VISITORS ARE SAYING:**

*"We enjoyed exploring the natural beauty. My son was excited to use the binoculars we borrowed in the kids' backpack. We also took a guided tour which was informative and fun, as well."*



*Advance registration is required for most programs.*

**REGISTER ONLINE AT [BHWP.ORG/LEARN/CALENDAR](http://BHWP.ORG/LEARN/CALENDAR) OR CALL 215.862.2924**



## BIRDING PROGRAMS

### SPRING BIRD WALKS

**Saturdays, April 14 through May 12;  
7-9 am**

**Members: FREE; Non-Members: \$3  
suggested donation**

*Advance registration is suggested.*

The Preserve's plant and habitat diversity provide nesting sites and food sources for many species of birds, including warblers, thrushes, chickadees, woodpeckers, towhees, nuthatches, goldfinches and more. Bird walks depart from the Visitor Center and are led by experienced, local guides. For ages 10 and up. If you can, bring your own binoculars for the best view.



### BIRDING BY KAYAK ON THE DELAWARE CANAL

**Sunday, May 6; 8-10 am**

**Members: \$20; Non-Members: \$25**

*Advance registration is required by Thursday,  
May 3, 2018.*

We are teaming up with Delaware Canal State Park for a gentle morning paddle on the Delaware Canal. We will learn about the history of the canal and look and listen for birds and other local wildlife during this relaxing paddle. We'll put in at the canal near the Preserve. DCSP provides life vests, paddles and kayaks. Details on meeting place will be provided upon registration. Space is limited; register early.

## KNOWING NATIVE PLANTS SERIES

**Members: \$15; Non-Members: \$20**

*Advance registration is recommended.*

Most presentations/discussions will be followed by an outdoor tour. Professional CEUs are available.

### SPRING EPHEMERALS

**Saturday, April 21; 10 am-1 pm**

Spring wildflowers such as Dutchman's breeches, bloodroot, bluebell, spring beauty, twinleaf, and several species of trillium color the forest floor for a fleeting moment this time of year. Join Naturalist Mary Anne Borge to learn why these wildflowers are called spring ephemerals, how their life cycles work and how their seeds are dispersed. Our indoor presentation and discussion will be followed by an outdoor tour.



### LATE SPRING LOVELIES

**Saturday, May 5; 10 am-1 pm**

A lot happens at the Preserve between the burst of spring ephemerals and the peak of flowering shrubs. Join Naturalist Mary Anne Borge to learn about the wildlife and landscape value of the later blooming spring wildflowers including woodland phlox, eastern columbine, Solomon's seal, shooting star, wood geranium, and the beautiful yellow lady's-slipper orchid. Indoor presentation/discussion followed by an outdoor tour.

## FOCUS ON FERNS

**Saturday, May 12; 1-4 pm**

Some native plants, such as ferns, don't flower at all. In this popular program, Ed Lignowski, Ph.D., will teach you to identify many native ferns. He will highlight their evolutionary history and unusual reproductive habits, as well as their natural habitats and usefulness in native plant gardens.



## FLOWERING SHRUBS

**Saturday, May 19; 10 am-1 pm**

The Mid-Atlantic region has a stunning display of spring flowering native shrubs, filling the Preserve and surrounding natural areas with color and fragrance every spring. Join Naturalist Mary Anne Borge to learn about our native shrubs, their wildlife value and landscape beauty. We'll pay particular attention to the azaleas, dogwoods, viburnums and some rose family members. The indoor presentation and discussion will be followed by an outdoor tour.

**SAVE THE DATE:  
NATIVE PLANTS IN THE LANDSCAPE  
CONFERENCE AT MILLERSVILLE  
UNIVERSITY**

**June 6-9, 2018**

Visit  
[www.millersvillenativeplants.org](http://www.millersvillenativeplants.org)  
for event updates.

*Native Plants  
in the landscape  
@ Millersville*



## THANK A TEACHER

*Preserve memberships make the perfect end-of-year gifts for teachers.*  
Learn more at <https://bhwp.org/support/become-a-member>

Check your mailing label for your Membership expiration date. *It may be time to renew!*



NON-PROFIT ORG  
US POSTAGE  
**PAID**  
LISTMASTERS

19020-3977

Bowman's Hill  
**Wildflower**  
**Preserve**  
P.O. BOX 685  
NEW HOPE, PA 18938



# TWINLEAF NEWSLETTER

SPRING 2018 | VOLUME 25, ISSUE 1

## Nature Adventures Summer Camp

Tuesday, July 24 – Friday, July 27, 2018

10 am–3 pm

Members: \$175\*; Non-members: \$195\*

We're thrilled to partner with the fine folks at Delaware River Canal State Park to offer a camp full of adventures in nature. Budding young scientists, ages 9 through 12, will explore the marvels of nature as they learn and play amidst more than 100 acres of ponds, meadow and forests. They will learn about birds, ecology and the natural and cultural history of our region. Campers will also learn to orienteer, geocache and kayak on the Delaware Canal.

Register your child online at:  
[bhwp.org/learn/schools-scouts-camps/camps](http://bhwp.org/learn/schools-scouts-camps/camps)

*\*A \$75 deposit will hold your registration and full balance is due three weeks before camp begins.*



### EXPERIENCE WHAT'S NATURAL | LEARN WHAT'S NATIVE

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

P.O. Box 685  
1635 River Road  
New Hope, PA 18938-0685

Phone: 215.862.2924  
Website: [bhwp.org](http://bhwp.org)  
Email: [bhwp@bhwp.org](mailto:bhwp@bhwp.org)