



Bowman's Hill
WILDFLOWER PRESERVE
Where Mind, Heart and Spirit Bloom



Twinleaf Newsletter Fall 2014

Volume 21, Number 3



spicebush, *Lindera benzoin*

Fall Native Plant Sale!

Plans for the fall native plant sale are in full swing! A premier selection of over 200 species of nursery grown herbaceous and woody plants will be available. Be sure to shop early for all of your favorites, including spicebush, *Lindera benzoin*. Our plants not only beautify your landscape, they require minimal care and benefit birds, butterflies and other wildlife. Our staff and volunteers will be on hand to help you choose the most suitable plants for your site.

Members' Preview Sale
Friday, September 5
1:00 - 5:00 p.m.

Sale Opens to the Public
Sat., September 6
10:00 a.m. - 4:00 p.m.
(closed Mondays)



Bowman's Hill
Wildflower Preserve Association
PO Box 685 . New Hope, PA 18963
(215)862-2924 . www.bhwp.org

Preserve Participates in Annual Butterfly Count for Third Year

The overcast skies on July 19 did not offer ideal conditions for finding sun-loving butterflies, but nevertheless an enthusiastic group of twelve volunteers joined Volunteer Naturalist Mary Anne Borge and Education Coordinator Kelly Joslin in this year's methodical search for our butterfly residents as part of the North American Butterfly Association Butterfly Count.

The group began the search at the new pond, where Juniper Hairstreaks were abundant in close proximity to their host plant, *Juniperus virginiana*, Atlantic red cedar. A total of eight Juniper hairstreaks were counted this year, the most since we began the count here in 2012.

The first monarch sighting of the day was also made by the new pond where an adult was found nectaring on wild bergamot. The group was pleased to find a total of four adult monarchs, twice the number found in 2013.

While the monarch numbers ticked up, the total number of individual butterflies counted went down this year. The group counted a total of 135 individual butterflies, representing 21 different species. (In 2012 we recorded 160 individuals of 24 species; in 2013 we recorded 315 individual butterflies of 23 different species.) Numbers for butterfly sightings have been down generally in our area this year. According to Mary Anne, the likely explanation is the cold, snowy winter, and the somewhat cooler and wetter spring and summer that we've experienced this year, compared to the past few years. Butterflies need warm temperatures and sunny days to produce enough energy to actively nectar and reproduce, so they are a bit later this year than they have been in other recent years.

There were four new species reported in our count this year: Pearl Crescent, Little Wood Satyr, Northern Broken-dash, and Little Glasswing. These butterflies are all fairly common at the Preserve, but our previous count dates may have fallen in between broods.

For those assisting Mary Anne with the count, the day was full of learning. Education Coordinator Kelly Joslin is an experienced Bird Count participant, but she's rookie when it comes to counting butterflies. "I've always been amazed by butterflies," she said, "but this really opened my eyes to the beauty and grace of some of the minute species I'd previously overlooked." Summer intern Addie Schlusel added, "we learned so much about the different habits and habitats of various species of butterflies - where to find them, when they fly, their host plants, and how far they travel for food."

(continued on page 4)



Juniper hairstreaks were abundant at our 2014 NABA Butterfly Count.
photo by Mary Anne Borge

Twinleaf

Published three times per year 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: www.bhwp.org
Email: bhwp@bhwp.org

The Preserve is located 2 ½ miles south of New Hope, PA at 1635 River Road (Route 32).

Open year-round.

The grounds are open from 8:30 a.m. – sunset daily.

Visitor Center and Twinleaf Shop are open

9 a.m. – 5 p.m. Tuesday through Sunday, Memorial Day, and Labor Day; closed Thanksgiving Day and 12/24 through 1/1.

Admission:

Preserve members – FREE

Non-members – adults, \$5; seniors (62+),

\$3; full-time students, \$3; children 4 through 14, \$2; children under 4, free.

Preserve Staff:

A. Miles Arnott, Executive Director

Rick Fonda, Grounds Manager

Angela Jacobsen, Development Director

Kelly Joslin, Education Coordinator

Liz Poole Lamb, Visitor Services Coordinator

Bob Mahler, Nursery Manager

Trish McGuire, Volunteer Coordinator

Dave Offerdahl, Facilities Maintenance Coordinator

Sue Owens, Bookkeeper

Jennifer Pennington, Membership &

Communications Coordinator

Jared Rosenbaum,

Plant Stewardship Index Coordinator

Susan Rowles, Business Manager

Botanical illustrations by Heather Lovett.

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.



Bowman's Hill
WILDFLOWER PRESERVE
P.O. Box 685 New Hope, PA 18938

Message from the Director

I often tell visitors that a walk through the Preserve will give you a new appreciation for understated beauty. With the exception of the mass of bluebells on the Parry trail each spring, and perhaps the bold swamp mallow blooming in the summer meadow, most of the wildflowers and other native plants that grow at the Preserve tend to be on the modest side. But when you look closely at those unassuming plants you discover a whole new world of beauty on a miniature scale that is every bit as awe inspiring and breathtaking as the biggest drift of bluebells.

Perhaps most modest of all are the many species of native mosses that grow here – an ancient line of plants that retain many ancestral characteristics. Reproducing by spores rather than seeds, the moss life cycle is very different from the flowering plants here. Using a hand lens to look closely after a summer rainstorm you will discover an entire miniature ecosystem of invertebrates that live among the moss strands – foragers that eat the moss, decomposers extracting energy from the detritus, and even miniature predators that feed on the foragers. Use a microscope to magnify even further and you will discover nematodes and copepods and countless other organisms living within the film of water that coats the moss. There is a great abundance and diversity of life sustained by a simple patch of moss – it is a microcosm of our larger world.

From an aesthetic point of view these tiny unassuming plants are able to inspire imagination and wonder in a way that their larger cousins cannot. Emerald green moss growing on fallen tree trunks conjures images of wood nymphs and wood sprites dancing among the toadstools. The children who visit the Preserve instinctively understand this magic – it is the reason our fairy house building program was so incredibly popular this spring. And it wasn't just the children who were enamored of the event; the parents were engaged and inspired, learning beside their children.

After being hit by a sequence of severe storms in recent years, a large circular clearing was created in the heart of Penn's Woods. (You may recall that several of the cedars that were felled in these storms were repurposed and used for the construction of the arbor that sits next to our new pond.) I began to ponder and envision what might happen if we enabled the luscious moss that carpets our Penn's Woods trails to expand into this open "room" that Mother Nature created for us. With an appreciation for our modest but spectacularly beautiful native mosses, their ability to foster creative play, and an understanding of the web-of-life based educational opportunities they represent, the Preserve has embarked upon the creation of a Moss Garden in Penn's Woods.

Work began during our Earth Day Work Day last spring when a group of high school student volunteers cleared the area of leaf litter and other natural debris, exposing the organic layer and forest soil beneath. The firm soil gives the moss the proper substrate to grow on – it cannot grow on fallen leaves. With the soil bare, we lowered the pH of the soil to about 4.8 making it very acidic and thus reducing competition from grasses and other plants that prefer a more neutral growing environment. With the leaf litter cleared and the pH adjusted for optimal moss growth we next inoculated the bare soil with moss spores and sprinkled ground up bits of our own moss collected here at the Preserve. We even added a few whole chunks of moss that look like moss toupees! We added three flat Passaic formation shale boulders among the moss, imagining they would look like red rock islands rising out of a sea of green once the moss really took off.

Over fifteen months have passed since the project first began and I am very excited to report that the moss growth is wildly ahead of schedule. A green haze of moss protonema, the first cells to grow from the spores, now covers much of the area.

Summer Students Lend a Hand

In places it has actually already begun to thicken and fill in where the moss gametophyte generation is maturing. With things progressing so well and even exceeding expectations, our high school volunteers built a woodland fence around the area this summer to further protect the area from foot traffic as the moss gets a real foothold and begins its life.

The beginning of the Moss Garden has been a grand experiment – we are learning what works and what doesn't -- and we have had great initial success. But as with everything we do here at the Preserve, the future of this special project will depend upon the attention and work of our dedicated staff and volunteers over many years. We look forward to the Moss Garden becoming a treasured place of learning and imagination, a special destination for guests, a naturally green venue for social gatherings and events, and an inspiring place of meditation and contemplation.

Come visit the Preserve and see the green moss spreading and growing right before your eyes and now you'll know all the secrets of exactly how we did it!

- Miles Arnott,
Executive Director

Welcome New Volunteers

We extend a warm welcome to the new faces that are sharing their time and talents with us:

Isabella Cozzarin
Chris Ferrara
Wendy Jegla
Maddy Kear
Nancy Kovacevich
Sean Mullarkey
Maddie Reman
Mary Ellen Sibley
Meg Tammaro

When a teenager chooses to volunteer, great things happen.

This summer we had 15 student volunteers from local school districts. Working in the woods for 2 ½ hours isn't easy; it's hot, humid, buggy and strenuous. There's no music, snapchatting, texting or Facebook messaging, just the woods and a few other students working towards a common goal. This year, our fearless Temple University Intern, Samantha Johnson, is leading the group. Sam is an Environmental Studies major and has really embraced the Student Volunteer Program. This dedicated team of students has made a marked difference on the property by digging out wineberry and multiflora rose, clearing downed tree limbs, removing invasive species and re-gritting trails.

Many thanks go to our 2014 Summer Student Volunteers:

Abby W., Adita M., Ashvath R., Bennett N., Erik R., Gabi R., Henry P., Jack P., Jackie G., Jessica S., Kieran M., Liam M., Michael F., Michael M., Michael W., Nick M., Sean G.

- Trish McGuire

Special Thanks

Special thanks to our community volunteer partners who cleared pounds and pounds of invasive garlic mustard, bittercress, and multiflora rose this spring. Your work allows our native plant species to thrive, furthering our mission and enhancing the health of our environment. This spring we welcomed the following teams:

Garden Club of Philadelphia (pictured)
Janssen Pharmaceutical Companies of
Johnson & Johnson
Verus Claims Services, Lawrenceville NJ



Save the Date!



Volunteer

Recognition Lunch

Saturday, November 15, 11a.m. - 1p.m.

All Preserve Volunteers are invited:
Lunch-Awards-Camaraderie

Watch for your invitation in the mail
in mid-October.

Farewell to Nancy Apple

In June of this year Nancy Apple and the Preserve parted ways as part of a staff reorganization effort. Nancy served as the Event Coordinator and Twinleaf Shop Manager from July 2012 until June 2014. During that time she exhibited a wealth of professional talents. Chief among them were Nancy's interactions with prospective donors and members during fundraisers and special events. She was charming and gracious and always put the Preserve in a positive light, an incredibly valuable asset for a staff member in small non-profit organization. Similarly, her skills were on full display in her capacity as rentals coordinator whenever she met with couples and families looking to rent the Preserve for their wedding or family reunion. Her efforts as part of the team were a big part of the Preserve increasing its facility rental income over the last two years.

Thank you Nancy for all of your work to advance our important mission and best of luck to you in all your endeavors!

Butterfly Count *(continued from front page)*

This is the third year that the Preserve has sponsored a count circle and participated in the July North American Butterfly Association Butterfly Count. Our team was one of 8 teams counting butterflies at 15 different sites within our 15-mile diameter count circle. We partnered with representatives from Honey Hollow, the North Jersey Chapter of the North American Butterfly Association, D&R Greenway Land Trust, and Mercer County, New Jersey to cover sites in both Pennsylvania and New Jersey. We extend our thanks to Mary Anne for coordinating our participation in the event and to the volunteers that assisted throughout the day.

Summer Internship Update

Once again the Preserve has been blessed with a bevy of bright interns: Sara Kuhn, Addie Schlussel, Samantha Johnson and Matt Thurston. Their impact has been felt in all corners of the Preserve—from education, to grounds, and to the nursery, and we are extremely grateful for all of the hard work and dedication. Sara and Addie have served full-time as rotational interns, dividing their time between grounds, education and the nursery. They've brought fresh ideas to the Summer Children's Reading Program and their enthusiasm and love for nature really shines when they lead one of our popular 2 PM Wildflower Tours. This summer they've tackled the demonstration and bog gardens in front of the Visitor Center as intern projects. They've successfully weeded, inventoried and mapped each, created and updated plant information signs and created a new section on our website that explains the benefits of the plants found there. Matt is a major in environmental sciences at Delaware Valley College. He is a volunteer intern with us learning grounds procedures and focusing on trail maintenance. This summer he's become proficient with chainsaws and other grounds equipment, in particular with the skid steer. Matt worked hard alongside the grounds crew removing storm damage along trails, removing invasive species from the woods and keeping the front of the Preserve mowed and neat.



Staff and summer interns visited North Creek Nurseries in July.

Samantha Johnson, a Temple University Environmental Studies major, joined us early summer as a volunteer intern to expand her knowledge of land stewardship, non-profit operations and management skills. Sam brought her knowledge of working with young adults, her enthusiasm for preserving the environment and her cheerful outlook on life. After an intensive 3 week BHWP immersion, Sam was ready to tackle the Summer Student Program. Learning the backside of the volunteer program, she updated recruitment materials, managed the listings and organized the record keeping. That was the easy part, as she now leads the students in an engaging learning experience three mornings a week. Coupled with a well-rounded training program and shadowing Director Miles Arnott, Sam is well on her way to meeting her goals.



Sara and Addie at work leading Children's Summer Reading.

The internship experience isn't just limited to the grounds of the Preserve. In July Addie, Sara and Matt took a field trip with Nursery Manager Bob Mahler and me. Our first stop was to Longwood Gardens where we enjoyed a behind-the-scenes tour of the conservatory, propagation areas and their brand-new 80-acre meadow. Our next stop was to North Creek Nurseries, a wholesale facility that specializes in ecological design and the propagation of plants native to the Eastern US. The facility is very much in line with our mission at the Preserve and we were most impressed with their test and trial gardens as well as their use of native plants in stormwater and water quality management. Our last hurrah happened in August with a trip to Aquascapes Unlimited in Pipersville, PA. Here they learned about native wetland plants that are used in home gardens, green infrastructure and restoration projects.

It's been an exceptionally well-rounded experience for all, interns and staff, and we are extremely grateful to have spent the summer with them.

- Kelly Joslin

Call for Nominations: **Land Ethics Award**

We are pleased to announce that nominations for the 2015 Land Ethics Award are now open. Since 2011, the award has honored and recognized individuals, organizations, government agencies, community groups, and business professionals who have made significant contributions to the promotion of native plants and have exhibited a strong land ethic while promoting sustainable designs that protect the environment.

Each year two awards are given: one for projects completed by an organization, the other recognizes individual achievement. Recipients are selected by a jury of professionals in the field of preservation and conservation. The Land Ethics Award presentation will occur at the Land Ethics Symposium on March 12, 2015. Eligibility, judging criteria, and submission guidelines are outlined in the nomination form available on the Land Ethics Award webpage. Submissions must be received by December 15, 2014.

In the four years since its inception, the Preserve has received nominations for many high-quality organizations, projects and individuals deserving of the prestigious Land Ethics Award. Please spread the word and help us honor excellence in sustainable ecological design in the Delaware Valley region.

For more information on the Land Ethics Award and to download the nomination form, visit the Land Ethics Award webpage at www.bhwp.org/education/Land-Ethics-Award.htm.



*New England aster,
Symphyotrichum novae-angliae*

Don't Miss Discovery Day Sunday, September 21, 1:00 to 4:00 p.m.

This year our annual community Open House event is timed to capture the finale of the summer season and welcome the glory of autumn!

Take a guided tour through the magnificent meadow at its best, brimming with colorful native perennials, grasses, and beautiful butterflies. The event features presentations with live animals, hands-on educational exhibits, music by Yardley-based band Used Karma, and refreshments. Activities for kids include family discovery hunt, insect hunts, recycled paper making, wildflower bingo and much more.

Bring your family, friends and neighbors to discover the secrets of nature's garden!

Find out more online at bhwp.org/special-events/Discovery-Day.htm.



Land Ethics Symposium to be held at Delaware Valley College

Thursday, March 12, 2015

The 15th annual Land Ethics Symposium "Creative Approaches to Ecological Landscaping" will have a new date and a new venue next year. The event will be held on Thursday, March 12, 2015 at the Delaware Valley College campus in picturesque Doylestown, PA. We are excited to partner with DelVal and host the event in their state-of-the art Life Sciences building. The commuter-friendly campus is located at the intersection of routes 611 and 202 and is accessible by SEPTA's R5 regional rail line, allowing direct service from Philadelphia, with connecting service from Philadelphia International Airport, New York, Baltimore and Washington DC. The day long, professional symposium is designed for landscape architects, designers, contractors, land planners, municipal officials and landowners who want the latest information on how to create ecologically sound and economically viable landscapes through the use of native plants and sustainable practices. CEU's are available. Be sure to check the Land Ethics Symposium webpage at www.bhwp.org/education/Land-Ethics-Symposium.htm for important updates about speakers, sponsors and online registration later this fall.

Our Land Ethics Symposium 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 and the support of many sponsors. If you are interested in a sponsorship for the 2015 Land Ethics Symposium, please contact our Development Director, Angela Jacobsen, at (215) 862-2924 or Jacobsen@bhwp.org.

Plant Stewardship Index Master Classes to be held in September

Join botanist Dr. Ann Fowler Rhoads for these special in-depth sessions.

Sedges, Part II

Tuesday, Sept. 16, 9:30 a.m. - 12:30 p.m.

Members:\$30; non-members: \$35

Advance registration required by

Friday, September 12

This class is timed to focus on learning late season sedge genera including *Scirpus*, *Cyperus*, *Eleocharis*, *Schoenoplectus*, and *Dulichium*. Following an introduction to the morphology of these plants, we will use the identification keys in *The Plants of Pennsylvania, an Illustrated Manual* by Rhoads and Block, to identify species. The class will conclude with a walk to observe members of the Cyperaceae growing at the Preserve. No pre-requisite for this class.

Warm Season Grasses

Tuesday, Sept. 30, 9:30 a.m. - 12:30 p.m.

Members:\$30; non-members: \$35

Advance registration required by

Friday, September 26

Warm Season grasses have become very trendy with managers of parks and conservation lands. What characterizes this group of species? How do they differ from other members of the Poaceae? We will discuss physiology, anatomy and evolution in order to understand their ecological role. Using live material and keys in *The Plants of Pennsylvania* by Rhoads and Block, we will identify representatives of the more common genera. We will also visit the meadow at the Preserve to see the plants in situ.



a skipper visits swamp milkweed,
Asclepias incarnata

Have You Visited the Bog Garden?

A bog is a unique type of wetland, characterized by its high volume of peat, or decomposing plant material. Bogs are typically fed only by rainwater, require direct sunlight, and tend to be highly acidic with nutrient-poor soils. As a result, bogs are host to an array of unusual and fascinating plants which have adapted over time in order to survive in these specialized conditions. A bog existed at the Preserve for many years near the Medicinal Trail, but the area eventually became too shady for it to thrive. There did not seem to be a suitable area on the property to establish a new bog, yet our staff and volunteers were determined to provide a home for these intriguing plants. In the summer of 2012, this dream was realized through the creation of the Visitor Center Bog Garden.

The Bog Garden, along with our Native Plant Idea Garden, is an interpretive tool for visitors looking to include native plants in their home landscape. One of the main attractions of this garden are the carnivorous Pitcher Plants (*Sarracenia purpurea*), whose red color attracts flies into their water-filled pitchers, drowning and digesting them in the process. In the mid to late summer months, the Swamp Milkweed (*Asclepias incarnata*) is a must-see. This pink stunner is most famous for its association with the Monarch

Submissions Wanted for our 2nd Annual Poetry Contest: "The Music of Nature"

Find creative inspiration along our trails!

Poets of all ages are invited to enter our Poetry Contest. What does Nature's Music mean to you? Where do you find it? How does it move or inspire you?

Participants may submit up to three poems. Judging will be in two categories: work by poets 17 and under and work by poets 18 and over. Winners will be notified by October 6. Submit poems electronically to Kelly Joslin, Education Coordinator at: joslin@bhwp.org. For poets 17 and under, please include your age and school with your entry. Submissions must be received by September 26.

The winning poets will be invited to share their poems at our public Poetry Reading. (see details on p.7)

For more information about the Poetry Contest, visit our website:

www.bhwp.org/special-events/Contests.htm

New Programs for Fall!

For complete descriptions of all of our fall educational offerings, visit our website or refer to the July - December Programs & Events Guide included in the Summer 2014 *Twinleaf* newsletter.

Please call the Preserve to register for classes : (215) 862-2924.

Magnificent Monarchs

Saturday, September 20, 10:00 a.m. – Noon
Members: \$8; Non-members: \$10
Register by Sept. 18.

America's best-loved butterfly is in serious trouble and needs our help. Diane Cameron will share her knowledge about the amazing migration of the Monarch butterfly, its life-cycle, why it is in decline, and what you can do to help. Head out into our meadow to look at the monarch host plant, milkweed; and search for eggs, caterpillars, and adult butterflies. Diane will also discuss and demonstrate Monarch Watch butterfly tagging, which helps track the butterflies through their migration. For ages 5 and up.



Aster Walk

Saturday, September 13, 1:00 - 3:00 p.m.
Members: \$4; Non-members: \$6.
Call to register by September 11.

Fall is the peak bloom time for members of the Aster family, one of the largest families of flowering plants. Join us on this exploration through our woods and meadow to discover the colorful members of this family, including asters, goldenrods, bonesets, coneflowers, tickseeds, and other yellow composites. We'll look for signs of the relationships these plants have with the insects, birds, and other animals that depend on them.

New Jersey Pinelands Plant Explorer's Tour

Wednesday, September 24, 8:00 a.m. – 5p.m.
Members: \$55; Non-members: \$60.
Fee includes transportation & lunch.
Registration & payment required by Sept. 10.

Join Executive Director Miles Arnott for a fascinating trip to New Jersey's Pinelands. Low, dense forests of pine and oak, ribbons of cedar and hardwood swamps bordering drainage courses, pitch pine lowlands, and bogs and marshes combine to produce an expansive vegetative mosaic unsurpassed in the Northeast. The Pinelands also contains over 12,000 acres of "pygmy forest," a unique stand of dwarf, but mature, pine and oak less than 11 feet tall. The ecology of the Pinelands is closely related to the occurrence of fire which resulting in a unique plant community. Space is limited - don't miss this opportunity to discover a unique ecosystem just 90 minutes away!

Naturalist Notebook: Sketching

Saturday, September 27, 1:00 – 4:00 p.m.
Members: \$15; Non-members: \$20.
Fee includes all materials.
Registration required by Thursday, Sept. 25.

Nature sketching enables you to edit and capture what you see in a way that a camera sometimes can't. You can emphasize a gesture or movement, or note an interesting texture without the technical expertise of a macro photographer. This beginner's course will help you learn to trust what you see and build your eye-to-hand connection, with a goal of creating beautiful embellishments for your naturalist's notebook.

Night Owls

Saturday, October 4, 6:30-8:00 p.m.
Members: \$15/family;
Non-members: \$20/family
Register by Wednesday, October 1.

Don your pajamas and join us for an engaging program about owls. We're teaming up with the New Hope-Solebury Library to bring you stories, cool owl biofacts and a chance to discover firsthand what an owl ate for lunch when you dissect a real owl pellet.

Poetry Reading

Saturday, October 25, 3:00 - 5:00 p.m.
FREE, advance registration suggested.

Join us for an inspiring afternoon of poetry at the Preserve, featuring the winners of our Second Annual Poetry Contest. Poets of all ages and levels will share their work, inspired by the theme of Nature's Music. Light refreshments will be served.

Autumn's Bounty Centerpiece Workshop

Saturday, November 8, 10:00 a.m. - noon
Members: \$65; Non-members: \$75
Fee includes all materials.
Registration required by Thurs., Nov. 6.

Join Executive Director Miles Arnott for a morning of fun and creativity as we use natural materials to craft a beautiful fall centerpiece in time to grace your holiday table.

Natural Crafts

Saturday, December 13, 3:00 - 4:00 p.m.
Members: \$6/adult, \$4/child;
Non-members: \$10/adult, \$8/child.
Registration required by Thurs., Dec. 11.

Creating beautiful ornaments from found objects offers a rustic and natural feel when decorating your home and tree. We will make four fun, whimsical ornaments using seed pods, pine cones, nuts and other natural materials found in and near the Preserve. All materials provided, Please bring a container to carry your new ornaments home in.

Property Steward Program Launched

This spring we launched a program that allows volunteers to become caretakers of key areas of the Preserve. Since the beginning of the Preserve's story, volunteers have blazed trails, planted featured species, and plotted out solutions to the elements. With this in mind, we selected a few willing volunteers, set guidelines, identified expectations and the Property Steward Program was born.

Jean Barrell has adopted the mid-section of the Marshmarigold Trail. Jean is a long time Preserve Naturalist and has assisted with numerous projects, events, tours and education programs. You may have already noticed a marked improvement as she has cleared out the invasive turf grass, reintroduced native specimen plants, and scaled back more opportunistic native species. Special thanks to fellow naturalists Kathy DiTanna and Leah Hight for helping Jean along the way.

Our majestic Parry Trail, adopted by Joyce Koch, requires quite a bit of TLC to maintain its photo ready appearance in the spring. Joyce has been a faithful and dedicated grounds volunteer, leading the Weeding Wednesday group, assisting with corporate group volunteers as well as Earth Day and Weed Patrol for several years. Her efforts can already be seen as the trail is bursting with featured natives, some of which we haven't seen in a while. She accomplished this by clearing out the wineberry, emerging multiflora rose, garlic mustard, and bittercress in the early spring.

With the help of the Property Committee, our Grounds Manager Rick Fonda, and our Volunteer Curator team, this program is sure to be a success. Many thanks also go to Dave Horne, our inspiration for this program. Dave has been caring for the Visitor Center Display Garden for many years.

- Trish McGuire



Jean Barrell pauses amongst the boneset on the Marshmarigold Trail.

New in the Twinleaf Shop



Looking for a unique memento from the Preserve?

We are pleased to offer beautiful photo notecards, handmade by Denise Bierach of dbPhoto LLC. A local Bucks County photographer, Denise has an eye for beauty and finds it in the simplest of things. With a background in graphic arts and a passion for color, she creates a small piece of art in each card. Denise is never without her camera and her photography captures the simple beauty in the details of everyday life. She has spent time walking the Preserve and taking beautiful pictures. We currently have 11 different cards featuring our Virginia bluebells, wild hyacinth, wood geranium, lady slipper and more, including the photo collage shown at left. Watch for more flowers to be added soon!

While you are here, don't forget to check out some of our new shirts, hats, and books. We have great gifts for the birders, gardeners and nature lovers in your life. Our newest book title is historian Peter Osborne's new book *No Spot In This Far Land Is More Immortalized: A History of Pennsylvania's Washington Crossing Park*. Peter was guest speaker at our Members' Spring Fling in early June. His talk was so engaging and informative that he promised a return visit as part of the 2015 Winter Lecture Series. Peter's book includes a chapter on the founding of the Preserve. We are thrilled to offer it for purchase in our shop.

Membership

Welcome New Members

*Special thanks to all who joined the Preserve family
in late spring through mid-summer.*

Fabio Aconi
The Adamo Family
The Afman Family
The Ahlo Family
Cynthia Anstey
The Archibald Family
The Asplundh Family
Roslyn Auerbach
The Baker Family
Ann Baker
The Barnes Family
Heidi Becker and Rick Witschonke
Sandy Bender
Fred Beste
The Biel-Goebel Family
Rebecca Blank
Sharon and Jim Blaukovitch
The Boada Family
Mark Bobotek
Cheryl Bombraski
The Braza Family
The Brennan Family
The Brock Family
Pat Brokaw
The Buchanan Family
The Burke Family
Kevin and Sarah Byers
The Cadic Family
Linda Cameron
The Campbell Family
The Carter Family
The Centamore Family
Kathie Chaikin
Elaine Charnov
Maureen Conroy
The Cram - Plumb Family
Karen and Ray Croot
Sean Cuddahy
Deborah Cudworth
The D'Alessio Family
The Daniels Family
The Davis Family
The Deems Family
The Dinka Family
The Disimone Family
Gail and Joseph Donegan
Katie Dunbar
The Dyer Family
Susan and Robert Edwards
Mindey Elgart and Bart Kardonsky
Karen English
The Fahmie - Shin Family
The Fewster Family
Mr. and Mrs. Albert Figuccio
The Fleschar Family
Christopher P. Folsom
Richard Joseph Gallagher III
Fran Gervasi
The Gibbings Family
Marjorie Graham
Paul Grecian

The Griswold Family
The Hallowell Family
The Hammond Family
The Harrison Family
The Harvey Family
Walton Hathaway
The Hauben Family
Leslie A. Hayling
Carolyn Helmsie
Cindy Hill
Robert K. Hornby
The Huether Family
Lynn Hyde
Jennifer Conver and David Inscho
The Jacobsen Family
Carolyn Kasky
Neil Kates
The Kaufman Family
Julia Kelly
Rebecca Ann Kiefer
The Kiessling Family
The Kindervatter Family
Patricia Kolesar
Teresa Koziatsek
The Kramer Family
The Kulesa Family
Mary Kutys
The Lattanzi Family
Charles Lester
Linda Levine
Barbara Lewis
Jane Lewis
The Lomax Family
C.J. Lonoff
Sandra and Adam Lopisz
Gary Lorio
Ben Luccaro
The Macdonald Family
Jane and Larry Magne
Kathleen Manning
Patty Marko
Diane Markow
The Matos Family
Deb Mattox
The Matz Family
The McGloughlin-McKay Family
Judy McLaughlin
The Mehta Family
Patria and Timothy Merkel
The Moyer Family
Angelika Muehleisen
Susan Muller
Ed O'Rourke
The Parola - Sisco Family
Debbie Partenheimer
Sheri Patetta
The Peterson Family
Robin and Danny Popkin
Jamin Potamkin
Tom Price
The Quirk Family

Larry Rack
Aida Ramirez
The Regan Family
Kim Rescorla
C.J. and Robert Rhoads
Helen Ribbans
Carol Robinson
The Ross - Carmean Family
Michele Ruopp
Gretchen Schwenzev
Tom Seessel
Doug Selen
Diane Sembello
The Shields - Ghekardi Family
Cheryl Shipley
Jessica Sims
The Skolas - Zippel Family
Soon Slayman
Sharon Slickis
Kali Smalley
The Sodano Family
The Stillwell Family
The Stockwell Family
Sven Strnad
Ronald Strouse
The Strout Family
Eileen Subacus
Shannon Sullivan
Donna Tapellini and Corey Glaser
Diana Thomas
Felicia Thomma
Paul Thompson
Gene Thornton
The Tozzoli Family
The Van Dam Family
The Van Varick Family
The Wampole - Gutierrez Family
The Watt Family
Judy and Bob White
Kate Williams
The Wilson-Owens Family
Dennis R. Winters
Paul Wolfgang
Gary Wood



sugar maple, *Acer saccharum*

Annual Fund 2014

*I swear to you, there are divine things
more beautiful than words can tell.*

-Walt Whitman

At a chance meeting in a wooded area on state park land in Bucks County 80 years ago, two conservation-minded people struck up a conversation, sharing their mutual appreciation for the peaceful, natural setting that surrounded them. It was at this meeting that the idea of Bowman's Hill Wildflower Preserve began.



It was autumn 1934, and richly colored wildflowers shone against a backdrop of trees cloaked in brilliant fall hues. Inspired by the quiet beauty of the woods and the tranquil creek flowing nearby, they imagined a sanctuary for Pennsylvania native plants with nature trails winding through wildflower plantings, a place where visitors could enjoy this natural splendor year-round. Both firmly believed that this area was far too beautiful to be turned into the ordinary picnic grounds proposed for the site.

The two visionaries (pictured in the upper right corner) were Mrs. Mary K. Parry, then the Chairman of the Bucks County Federation of Women's Clubs and Mr. Wilson W. Heinitsh, employed by the Pennsylvania Department of Forest and Waters as a consultant for Washington Crossing Historic Park, the parkland where they met. Together they rallied support for their vision, and a gift from the Council for the Preservation of Natural Beauty in Pennsylvania made the Preserve a reality. In October 1934, the Commission set aside 100 acres of this special portion of Washington Crossing Historic Park to become Bowman's Hill Wildflower Preserve.

Mrs. Parry and Mr. Heinitsh appreciated the serene beauty of the Preserve and valued the Preserve as a sanctuary so that it could flourish and become what we know and love today. As volunteers, members, and donors, we benefit from their vision and the valiant steps they took to protect an extraordinary place we hold so dear. We are fortunate to be the stewards of this magnificent sanctuary that over the years has become acknowledged as the State Wildflower Preserve of Pennsylvania.

This, our 80th year, holds a lot of promise at the Preserve. The addition of new educational programs brings opportunity to share our mission in exciting new ways. The Native Plant Nursery and Propagation area is undergoing a major renovation and update this year, a critical step for our sustainability. Life in the new pond is thriving and the beauty of the meadow has been loyal.

We are so grateful to our members, volunteers and donors for your ongoing support of our mission and for being part of this rich history. We hope you will make a generous gift to our Annual Fund in support of the important work we do at the Preserve and honor the vision that created the Preserve 80 years ago. Annual Fund contributions help us to enhance our trails, provide innovative educational programs for all ages, interpret our native collection, and support our mission, which is:

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.

Thank you for your generosity! Gifts of \$100 or more will be recognized on our Donor Recognition Plaque and in the Twinleaf newsletter. Giving levels are as follows:

Founder's Circle \$5000 - above
Mountain Laurel Circle \$2500 - \$4999
Dogwood Circle \$1000 - \$2499
Trout Lily Circle \$500 - \$999

Marsh Marigold \$250 - \$499
Blue Flag Iris \$100 - \$249
May Apple \$25 - \$99

The 2014 Annual Fund will close at the end of December.

Gifts may be made online at: www.bhwp.org/annual-fund.htm or mailed to BHWP, attn: Annual Fund, PO Box 685, New Hope, PA 18938.

You may also call Angela Jacobsen at the Preserve and she will be happy to assist you in making your gift.



Become a Founding Member of the Perennial Society

The Bowman's Hill Wildflower Preserve's Perennial Society was created to recognize our friends who have thoughtfully provided for the future well-being of the Preserve through a bequest or other planned gift, and who have informed us of their commitment.

These visionaries, like our founders before them, share a concern for the welfare and future of the Preserve and a belief that the Preserve will continue to serve as a valuable resource for our community and the region. Through their gifts they secure the Preserve for future generations.

Gifts You Can Make:

- Make a bequest gift to Bowman's Hill Wildflower Preserve in your will or revocable living trust.
- Participate in a life income arrangement for the benefit of the Preserve, including a Charitable Gift Annuity or a Charitable Remainder Trust.
- Establish a Charitable Lead Trust for the benefit of the Preserve.
- Name the Preserve as the beneficiary of a 401K or other retirement plan or life insurance policy.

Please consult your attorney about your estate plan and bequest options.

In appreciation, Perennial Society members receive invitations to Preserve events and recognition in the Twinleaf annually. Donors may choose to remain anonymous, and details of bequest and other information are always held in strictest confidence.

For additional information, or to inform us of your commitment to the Preserve, please contact Angela Jacobsen, Director of Development.

Employer Matching Gifts Make a Difference

Did you know that many local employers will match your gifts to the Preserve?

With just a few simple steps you can often double or triple the amount of support that we receive from your contributions to us. Membership dues and gifts to the Preserve qualify under most employer plans. Often the process can be completed online. Why not have a say in where your company directs its charitable gifts? Please contact us if you need assistance with completing an Employer Matching Gift. With just a small investment of your time, you can make a big difference. We are grateful for your efforts to help fund our operating budget and support our mission. Thank you!

Welcome New Business Partners

Thank you to our newest business members:

DeVos Bury Designs

May Horticultural Services, Inc.

Business Partners enjoy exclusive member benefits including listing on our website and in our Business Partner Directory, discounts on programs, free admission, guest passes to share with clients and friends, and much more!

Take advantage of this opportunity to join other businesses and professionals who, like you, value and take pride in the preservation of natural resources.

Learn more on our website:

bhwp.org/business-partner-program.htm

or contact Membership Coordinator, Jennifer Pennington at pennington@bhwp.org for more information.

Bog Garden *(continued from page 6)*

butterfly, whose caterpillars use the milkweed as a home and food source. The recent decrease in Monarch butterfly numbers makes this plant all the more vital.

The Bog Garden is made of equal parts peat moss, sand, and long fiber sphagnum moss, topped with a layer of long fiber sphagnum. This garden was funded entirely by donation and built by many of our volunteers. Dave Horne, Ed Carpenito, and Kathy Vannozzi played a particularly crucial role in the garden's fruition.

- Sara Kuhn, summer intern



Bowman's Hill

WILDFLOWER PRESERVE

P.O. Box 685 New Hope, PA 18938

Don't Miss the Fall Native Plant Sale!

Members' Preview
Friday, September 5
1:00 to 5:00 p.m.
Preserve Members Only!

Open to the Public
beginning
Sat., September 6
10:00 a.m. – 4:00 p.m.
(closed Mondays)



Fun for Kids!

Fall Fun Fridays

Fridays from 10:00 – 11:15 a.m.

Members: Free; Non-members: \$7 for one child with adult
+ \$3 for each additional child.

Each program includes a story, an outdoor walk, and a
take-home art project. For ages 3 through 8.
Children must be accompanied by an adult.
Walks are weather dependent – please dress for the weather.

Fantastic Foliage - October 17

Crawly Critters - October 31

Terrific Turkeys - November 7

Call to register by the Wednesday prior to each program.