



Tyler Topics

Autumn
2013

News, Programs and Events of Tyler Arboretum

Restoration and Preservation of a Species

Tyler's Chestnut Orchard in Action

By Jan Trembley

Tyler Arboretum is part of a massive effort to restore the American chestnut species, devastated by a fungus imported on Chinese chestnut trees at the end of the 19th century.

"Fortunately, as is the case with many 'successful' diseases, this fungus doesn't kill its host—the chestnut tree's root system survives to continue feeding the fungus with fresh chestnut stems," said Tyler volunteer John Wenderoth. "We believe recovery of the species is possible."

Among more than 100 chestnut orchards in Pennsylvania, Tyler's

was started in 1997 as part of The American Chestnut Foundation's (TACF) work to produce a hybrid tree that is resistant to the blight.

"Our native chestnut (*Castanea dentata*) once thrived from Maine to Georgia, down the Appalachian chain, and its range spread east into the Piedmont and west into Ohio," said Wenderoth, who joined Tyler's project as a volunteer in 2010. "It is estimated that as many as 4 billion trees were lost from the forest ecosystem."

Only distance has prevented the blight from spreading to native chestnut trees transplanted by pioneers in western parts of the United States.

"Some have called the American chestnut the perfect tree," said Wenderoth. "Every fourth tree in the Northeast was a chestnut. Its plentiful and reliable nut crops were a major food source for wildlife and a cash crop for mountain folks, and the tall,

straight trunks produced excellent lumber that was resistant to decay."

Founded in 1983, TACF has been working to

cross American chestnuts with disease-resistant Chinese chestnuts. Over multiple generations, surviving hybrids with demonstrated resistance are "back-crossed" with American chestnuts. The theoretical goal is to retain only the blight resistant genetic material from the Chinese species, but in practice this process may create a tree that is only a little more than 90 percent American in its genetic makeup.

continued on page 3





Tyler Arboretum

Board of Trustees

Guy A. Messick, *President*
Shipley A. Allinson, *Vice President*
Aralisha Newbold, *Secretary*
Sandra Lutz, *Treasurer*

Jeffry Cadorette
Benjamin Carr
Linda H. Ciavarelli, DPM
Matthew R. Doyle
John M. Ewing
Gene S. Ferraro
James R. Flandreau
David J. Frank
Laura Guertin, PhD
Andrew W. Harobin
Jason W. Ingle
Robert A. Kunz, MD, PhD
Craig A. Single
William R. Taylor
Trine L. Vanderwall
Victoria K. Will

Tyler Topics is a quarterly publication distributed to the members and friends of Tyler Arboretum. For more information on Tyler Arboretum, please visit our website at www.tylerarboretum.org, or contact us by telephone at (610) 566-9134.

Development – x267
Education – x214
General Information – x200
Membership – x209
Public Programs – x215
Public Relations – x208
Special Events/Rentals – x210
Volunteering – x205
Youth Education – x202

Designer: Lehman Design Inc.

 Printed on recycled paper

Executive Director's Message

In the museum and cultural nonprofit world, the term “relevancy” has become a concept that is increasingly being discussed among staff and boards. They have realized that if their organizations fail to understand and anticipate what the public and the membership is looking for, they will lose interest and potential support. Increasingly, nonprofits have recognized that their future does depend on the ability to meet the needs of those they serve.

At Tyler, in recent years, we have been taking a close look at our programs and exhibits as well as our visitor services. We have reviewed our attendance and participation figures as well as consulted with our colleagues across the nation. With this information in hand, we have been able to make specific plans and goals that have allowed the Arboretum to make strides towards becoming more relevant.

A true success story is the growth and expansion of our Summer Camp Program. Under the leadership of Youth Education Coordinator Martha Moore, we have seen consistent growth in participation as well as improvement in the quality of the programs. Due to the excellent reputation of our summer camps, for the first time ever, we have completely sold out our camp spaces.



Parents are sharing that they thoroughly enjoy the content and our approach to summer camp.

We have recognized for some time the need to improve accessibility to the gardens, collections and natural areas. The public has shared that it is difficult to navigate the area on the other side of Rocky Run stream and

that they often become lost in the Pinetum. This spring we completed a major portion of the Scenic Loop path which provides ADA access to the Rhododendron garden, Pinetum and to our new tree house, which is also ADA compatible, to further serve our expanding clientele. We have already received positive feedback from visitors on this significant upgrade.

Our vision is to create a horticultural and environmental destination that reconnects individuals with nature. Please be assured that as we keep our focus on the mission, we will also be sure to keep our pulse on the wishes and needs of our constituents. If you have suggestions or comments regarding how we are meeting our vision, please call and share your thoughts at (610) 566-9134 or email us at info@tylerarboretum.org. Thank you for your continued support.

Follow and “Like” Tyler Arboretum Online!



Tyler's Chestnut Orchard

(continued from page 1)

In order to maintain a reservoir of American chestnut genes, Tyler's orchard is dedicated to growing only American chestnuts. It is one of several Pennsylvania orchards that produce American nuts to supply seed for continuing breeding work at other locations around the state. Harvested in September, it produces nuts that are held in refrigerators at Penn State University—a form of cold stratification required by some forest trees and other plants that allows the seeds to fully mature for spring germination.

Other Pennsylvania orchards produce seedlings for reintroducing chestnuts in test plantings around the state. TACF is organized in state chapters in order to preserve variation in the chestnut's genome over its range from Maine to Georgia. "You know that southerners might not like the winters in Maine or Vermont," said Wenderoth. "Trees can be that way too, just because of their genetic makeup."

Noting that it can take about six years for a tree to flower and begin producing nuts (if it doesn't succumb to the ever-present spores of the blight

fungus), Wenderoth emphasized that this is a lengthy process. "I'm interested in growing the trees and trying to keep them healthy, but one of my principal goals is to find others who are younger than I who can sustain this project for the long haul."

You can find more information about TACF at www.acf.org. If you are interested in volunteering the Tyler Chestnut Orchard, please contact Melissa Hamblin at mhamblin@tylerarboretum.org.

Plant the Seed of Opportunity

Tyler Arboretum's brand new Evergreen Society, a monthly giving program, is a great way to show your support all year long.

We invite you to become a founding Evergreen Society Member. By pledging to make a gift every month, members of the Evergreen Society provide the steady, dependable resources that we need. Because monthly donations are processed automatically, they help reduce Tyler's fundraising expenses, thus allowing us to devote an even greater percentage of your gift to fulfill our mission. Since Tyler does not receive local or state tax support, we rely on the generosity of donors like you to help with our everyday operational needs.

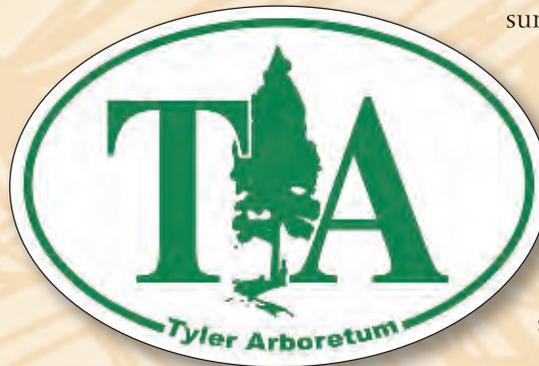
With the Evergreen Society, the amount you specify is charged to your credit or debit card, making this program the "greenest" way to donate. It eliminates the need for checks and reduces administrative and fundraising costs—so your donation goes further in supporting the environment!

Why Join the Evergreen Society?

- It's convenient and efficient.
- It's 100% tax deductible.
- Receive a summary in January of your donations for the previous calendar year.
- Receive our quarterly newsletter, Tyler Topics.
- Receive a special Tyler Arboretum car decal.

Over the course of a year, your tax-deductible monthly gift can really add up:

- \$10 a month** can provide a set of five children's garden gloves
- \$18 a month** can provide a week of summer camp for a child
- \$25 a month** can buy nectar and larval food source plants for the Butterfly House
- \$40 a month** can buy supplies to reconstruct the pond deck
- \$50 a month** can buy 12 waders for hands-on stream exploration



Evergreen Society monthly gifts support the Annual Fund and guarantee Tyler regular and predictable funds, allowing us to make solid commitments to new and current projects. No matter how much or how often it comes, we are always grateful for your loyal and generous support.

Thank you to our founding members to date:

Mr. & Mrs. Michael Brooks
Mr. & Mrs. Cranmer
Mr. & Mrs. DiDonato
Mr. & Mrs. Ted Farmer
Mr. John Fowler IV
Dr. Laura Guertin
Ms. Johanna Heine & Mr. Ben Freid
Dr. Evelyn Kritchevsky
Mr. & Mrs. Alan V. Vaskas, Esq.

Meet a Tree that Smells Like Candy

If you are fortunate enough to find yourself strolling down the Scenic Loop path at Tyler on a dry, fall day don't be surprised if you suddenly get an overwhelming desire for some cotton candy or a caramel. No, you haven't been in the sun too long, you've just made your way to the Pinetum area and are walking by a stately stand of katsura trees whose leaves emit a spicy, sweet aroma when they change to yellow, orange and apricot.

Cercidiphyllum japonicum, commonly known as the katsura tree, has many alluring attributes, but on a sunny autumn day the delectable scent is its



By Barbara Stremple

Cercidiphyllum, due to that similarity. In spring, these leaves emerge an arresting reddish-purple which turns to spring green, and finally evolves to shade-casting, cool blue-green with a lighter underside for the summer. The foliage is so attractive it can be used

as filler in flower arrangements.

The katsura tree originates in Japan and Eastern Asia but is well-adapted and non-invasive

here in its adopted country. It grows best in full sun, tolerates light shade and eventually reaches 40' to 60' high and 20' to 40' wide if grown as a single-trunked tree. Multi-trunked specimens reach just 20' to 40' high and wide. Specimens that grow with a single trunk develop a conical outline with age--pointed on the top and broader at the base.

A multi-trunked tree, on the other hand, leads to a flat crown and a much broader, umbrella shape. The bark is shaggy, brown-to-greyish, and the trunk becomes interestingly furrowed with age.

This tree is bothered by few pests, allowing it to grow fairly quickly if the soil is decently moist and fertile. Hot, dry soil means slow growth as does wet, poorly-drained soil. Substantial surface roots develop with age, which can be very attractive, but this does mean it needs to be planted away from lawns and

hardscapes. The best time to plant is in early spring before the leaves develop.

The cluster of katsuras along the Scenic Loop path at Tyler is over 60 years old and worth noting at any time of the year, but when the fall color develops, it's certain to make your mouth water. Try crushing some fallen leaves in your hand to release an explosion of fragrance that will really wake up your sweet tooth.



unique calling card and a dead giveaway that you've located the right trees.

Get closer and the dainty, heart-shaped foliage with tiny, rounded teeth along the edges, comes into focus. With the exception of the tiny teeth, the leaves resemble our native redbud, *Cercis canadensis*, and the katsura gets the first part of its genus name,





Tyler Programs

Tyler Arboretum Autumn Programs and Events 2013

Special Events

Volunteer Open House

Friday, September 13, 11:00 am – 12:00 pm

Get involved! Share your talent and continue learning. Volunteers play a vital role in the operation of the Arboretum. Their assistance enables us to expand and enhance all areas of the organization, and helps us to grow as a community resource. Please join us for coffee and baked goods while learning about the many volunteer opportunities that are available. Staff and veteran volunteers will be available to share their experiences and answer questions.

Pre-registration encouraged; contact the Volunteer Coordinator: 610-566-9134, ext. 205 or mhamblin@tylerarboretum.org.

A Toast to Harvest Time

Thursday, September 26, 6:00 – 8:00 pm

Celebrate the end of summer with an evening of fun at the wine bar provided by **Moore Brothers** while listening to the live bluegrass music of Ridley Creek and snacking on sumptuous harvest time treats.

Suitable for adults 21 and older; pre-registration required by calling Joanne Landau at 610-566-9134 ext 215; limited capacity; first come, first served; \$20 members, \$25 non-members. Rain or shine.

Pumpkin Days Celebration

Saturday and Sunday, October 19 and 20, 10:00 am – 5:00 pm

Celebrate the season with our traditional autumn festival. This fun-filled family day is full of fun activities, yummy food, and of course, pumpkins! Pick out your prized pumpkins, assemble a scarecrow to take home, jump in the moon bounce, make crafts, play games and see Tyler's glorious fall colors on a hay wagon tour.

No pre-registration required. Member admission is \$4 for adults, \$2 for children ages 3 to 15; non-member admission is \$10 for adults, \$7 for children ages 3 to 15; kids under 3 are free.



Members Only Event

Tyler After-Dark Adventures

Fridays, September 20 or October 4, 7:00 – 9:00 pm

Enjoy an evening at Tyler Arboretum with your family. Join Arboretum naturalists as we explore the woods and meadows to listen for owls, search for bats and other nocturnal creatures! Enjoy roasting marshmallows over a campfire for s'mores and making your own ice cream. *Be sure to wear closed-toed shoes and bring bug spray if desired. Suitable for ages 3 and older; younger children are welcome with their older siblings. Space is limited – register soon!*

Free event; pre-registration required

Gardening and Horticulture

Moss Gardening

Saturday, September 14, 2:00 – 4:00 pm

Moss makes a beautiful and extremely versatile addition to any garden space. Moss can be grown in shady areas, as part of a rock garden, in conjunction with water gardens, ponds or ferns, or in areas where grass struggles to grow. Learn about the wonders of moss from moss gardener and owner of Moss Acres, **Al Benner**. During this two-hour workshop, Benner will explain the basics of moss, how it grows, and how to use and maintain it. Participants will also have a chance to get hands-on experience with moss gardening.

Pre-registration required; \$12 members; \$15 non-members

Late Season Vegetable Gardening

Saturday, September 28, 10:00 – 11:00 am

Vegetable gardening doesn't have to be over just because the weather gets colder! In this workshop, Tyler gardener **Elizabeth Fox** will show you tricks for extending the growing season while also preparing your vegetable garden for a great spring. Learn about cold weather crops that can grow into winter and how low tunnels can help extend your season. The workshop will also discuss ways to care for perennials in the off season, cover crop planting and other best practices for end of season garden care.

Pre-registration required; \$12 members, \$15 non-members

Preparing your Garden for Winter

*Saturday, October 5, 10:00 am – 12:00 pm
(Rain Date: October 12)*

As the gardening season comes to an end, most of us aren't thinking of next year, but a great spring begins with a smart fall. In this workshop, Tyler gardener **Elizabeth Fox** will help you get the most out of your garden this fall. Split between demonstration, question and answer and practical hands-on experience, this class is perfect for gardeners of all levels. Topics for discussion include dividing and transplanting perennials, pruning, bulb planting, late-season lawn care, mulching and composting and good plants for the fall and winter.

*Pre-registration required; \$12 members,
\$15 non-members*

Brookside Gardens Tour

Friday, November 1, 7:30 am – 6:30 pm

The Brookside Gardens are a wonderful place to visit in the fall, where the conservatory offers year-round viewing opportunities. Fall features a magnificent Chrysanthemum display along with the large collection of tropical plants regularly on view. After visiting the Gardens we will travel to Historic Ellicott City for lunch. Enjoy any of the charming restaurants in this well-preserved historic district before exploring its quaint shops and historic sites including the B&O Railroad Museum. *Cost does not include lunch or museum admissions.*

*Pre-registration required; \$50 members,
\$60 non-members*

Botanical Arts

Beer: Create, Learn and Taste!

Thursday, October 24, 6:30 – 9:00 pm

If you love beer, this is the class for you. In this fun evening workshop you will make your very own beer stein out of clay using simple slab hand-building construction under the guidance of **Bob Deane** and **Drew Arata**. No prior experience with clay is necessary. After the workshop, your stein will be fired in the Community



Arts Center kiln. You can pick it up there one week later. During the workshop, you will also have the chance to learn about the Botany of Beer from educator and beer expert **Julie Jenney** and taste some delicious brews from **Pinocchio's Beer Garden**. Join us for a fun night of beer and art. *Participants must be 21 or older.*

*Pre-registration required; \$60 members,
\$70 non-members*

Cultivating Great Garden Photographs

Sunday, November 3, 1:00 – 3:00 pm

Capture the beauty of nature as it evolves through the seasons. In this exciting two hour workshop, garden writer and award winning photographer **Marcia Tate** will share her *7 Rules for Getting Professional Results with Your Digital Camera* to create winning photographs, document the progress of your garden or aid the landscape design process. *Bring your camera for the outdoor photography session (weather permitting) after a classroom workshop.*

*Pre-registration required, \$20 members,
\$25 non-members*

Through Our Own Eyes – Nature Study & Photography

Saturday, November 9, 10:00 am – 1:00 pm

Join instructor **Patti Kelly** of the Community Arts Center for an

autumn day of seeing, photographing, collecting, making and sharing observations of the world around us. During this intergenerational workshop, we will explore nature by using our senses to create artwork using leaves, sticks, stones and other found materials. Then we'll capture these moments of beauty through the lens of a digital camera. We will also photograph trees, plants, insects and the natural environment of the beautiful grounds of Tyler Arboretum. *Bring a digital camera and wear comfortable walking shoes. This is an intergenerational program suited for all ages and levels.*

This class is a partnership between Tyler and the Community Arts Center. \$100 members, \$120 non-members. Tyler members call the Center at 610-566-1713 to register. Others may call or visit www.communityartscenter.org.

Thanksgiving Flower Arrangement

Saturday, November 23, 10:00 am – 12:00 pm

Grace your Thanksgiving table with a floral creation designed by you using seasonal flowers and plant materials. Floral designer **Leona Swiacki** will provide guidance and instruction to help you create a natural masterpiece that will be a beautiful addition to your own table or a wonderful hostess gift. *Please bring floral shears and an apron.*

*Pre-registration required; \$25 members,
\$30 non-members*

Natural Studies

Fall Bird Walks

Every Wednesday
8:15 – 10:15 am

FREE FOR MEMBERS!

Join Tyler's experienced birders in the search for fall migrants heading south through the Arboretum. *Birders of all levels are welcomed.*

Free with admission; no pre-registration required

Weekday Wildflower Walks

Every Wednesday, 11:00 am – 1:00 pm

FREE FOR MEMBERS!

Wildflowers are an essential and beautiful part of the woodland and meadow ecologies. Head out to the trails with wildflower experts **Richard Brenner** and **Dick Cloud** and experience fall at Tyler.

Free with admission; no pre-registration required

Invasive Plant Removal Corps

Sundays, September 8, October 13,
November 10, 9:30 am – 12:00 pm

FREE FOR MEMBERS!

Invasive plants can behave like the thugs of the natural world, forcing out natives and dominating the landscape. Help protect Tyler's native ecosystem and remove these alien thugs from the meadows and woodlands. Meet **Dick Cloud** at the Visitor Center.

Free with admission; no pre-registration required

Sunday Wildflower Walks

September 8, October 13, November 10,
1:30 – 3:00 pm

FREE FOR MEMBERS!

Plenty of beautiful wildflowers are late season bloomers. Join **Dick Cloud** for a pleasant afternoon search through Tyler's meadows and woodlands.

Free with admission; no pre-registration required

Historic Building Tours

Sundays, September 8, October 6, and
November 3, 1:00, 2:00, or 3:00 pm

Tyler's historic Lachford Hall and Painter Library are open to the public for tours. Learn about the daily lives of the eight generations of the Quaker family who owned what is now Tyler

Arboretum. Begun in 1738, Lachford represents over two centuries of residence by the Minshall-Painter-Tyler family. The Library, built by the Painter brothers in 1863, houses their fascinating collection of 19th century scientific equipment, books and specimens.

Free with admission; no pre-registration required

Beekeeping Basics – Part II

Saturday, September 21, 11:00 am – 1:00 pm
(Rain Date: Saturday October 5)

Beekeeping for the New Year begins in the fall. In the second part to this introduction to beekeeping, apiarist **Paul Strommer** will help interested beginners determine what they need to know, order and prepare in the fall and winter to be ready when the weather breaks in April. He will also provide hands-on instruction about fall hive maintenance, how to track the colony's progress through the season, and prepare the hive for the winter. This program is a valuable introduction for anyone interested in beginning their own hive in 2014 and is open to all participants. *All equipment provided. Participants will interact directly with the bees, so please take any necessary precautions.*

Pre-registration required; \$30 members, \$35 non-members.

Sungazing

Sunday, September 22, 10:30 am – 12:00 pm

The sun is vitally important to our survival but still very mysterious. Learn more about this amazing, life-giving star at this special daytime stargazing program. Members of the **Delaware Valley Astronomical Association** will present on a series of sun topics including sunspots, prominences and solar flares. Sky-willing, they will also set up three to five telescopes that will allow safe viewing of the sun in several different lights.

Pre-registration required; \$10 for members, \$12 for non-members

Birding Trip: Forsythe National Wildlife Refuge

Tuesday, October 8, 7:00 am – 5:00 pm

Located on the South Jersey shore, this important area of tidal wetlands

and shallow bay habitats is part of the Atlantic Flyway. Join birder and educator **Sue Lucas** at the Refuge and Brigantine Island in search of fall migrating waterfowl. *Bring lunch, field guides and binoculars. Transportation, beverage and snacks provided.*

Pre-registration required; \$55 members, \$65 non-members

Tyler Tarantulas

Saturday, October 12, 10:00 am – 12:30 pm
(Rain Date: Sunday October 13)

Join ecologist **Steve Tessler** on a walk devoted to observing, catching and learning about the variety of spiders found at Tyler Arboretum. The walk will pass through meadows and woods, and include a visit to a dense colony of purse-web spiders native only to Delaware County. These spiders are related to tarantulas and construct a tube of silk attached to the base of trees and shrubs, extending underground. Learn more about this fascinating spider and help dig some up for observation. *This 2.5 mile hike will include moderate terrain. Dress for the weather and bring a camera, water and a snack. Appropriate for teens and adults.*

Free with admission; no pre-registration required

Cranberry Bog and Pine Barrens Trip

Monday, October 14, 8:00 am – 6:00 pm

Join **Richard Brenner** and **Jado Foot** on a Pine Barrens trip to historic Whitesbog Village for a guided tour of the cranberry harvest at the historic bogs. The trip will begin in the morning with a visit to Atsion State Park to see migrating birds and native blooming flora, including the endangered Pine Barrens gentian, orange milkwort and carnivorous plants. We will then have lunch at Lucille's Country Cooking, a rustic, delicious and inexpensive Pine Barrens establishment before heading off to the bogs. *Transportation, beverage and snacks provided; as an option, bring a bag lunch. Comfortable walking shoes and insect repellent are advised. Bring binoculars and field guides if you have them.*

Pre-registration required; \$55 members, \$65 non-members

What Tree is This? – Tree Identification Walk

Saturday, October 26, 1:30 – 3:00 pm
(Rain Date Sunday, October 27)

In this first of four seasonal tree identification walks, **John Wenderoth** and **Ted Cavey** will show you how to recognize a tree based on its fall color. This pleasant and educational stroll through Tyler will focus on why and when different trees change colors, how to use color as an identification tool, and other less-utilized forms of identification such as leaf texture and canopy shape.

Free with admission; no pre-registration required

Naturalist Walk

Thursday, October 31,
1:30 – 2:30 pm

FREE FOR MEMBERS!

Join naturalist **Martha Moore** on an exploration of Tyler's trees in autumn. When people think of fall they think of beautiful sights as the trees change color, but trees can also offer a treat for our noses. Learn where you can find the scent of cotton candy in Tyler's woodlands and discover other fall treats.

Free with admission; no pre-registration required

Mushroom Program (Spontaneous)

Saturday in November, date to be determined,
9:30 am – 12:30 pm

November is a great time to observe mushrooms at Tyler. Take a hike with ecologist **Steve Tessler** to hunt for mushrooms and other types of fungi and slime molds found in Tyler's autumnal woods, including corals, jellies and puffballs. Learn methods for spotting and identifying these cryptic and photogenic fungi. Because of the unpredictable weather and the transient nature of fungi, the exact date will be announced a few days before the hike to ensure the best possible viewing conditions. *This hike will include some off-trail walking in moderate terrain. Dress for the weather and bring a camera, water and a snack. Appropriate for teens and adults.*

Pre-registration required to be notified of the program's exact date. No payment due until date confirmation. \$6 for members, \$8 for non-members

Health and Wellness

Trail Rambles

Sundays, September 8, October 6
and November 3, 1:15 – 3:00 pm

Join **Lois Brooks** for comfortably-paced walks on Tyler's trails that will get you out and moving, while enjoying the dynamic fall season in our woodlands and fields. *Wear shoes suitable for uneven terrain.*

FREE FOR MEMBERS!

- 🍂 **September 8** – Visit Tyler's rare serpentine barren and walk along Dismal Run on this exploration of the Pink Hill and Minshall Trails.
- 🍂 **October 6** – Hike the moderate hills of the Dismal Run and Minshall trails through meadows, woodlands and past ruins of the Minshall-Painter farms.
- 🍂 **November 3** – The 3.1 mile Painter trail provides a quality hike with two stream crossings and lovely hilltop views of the Arboretum.

Free with admission; no pre-registration required

Yoga in the Garden

Tuesdays, September 10 – October 15,
6:00 – 7:00 pm

Experience the joy of practicing yoga in a magnificent outdoor setting. During this six-week class, Classical

Yoga instructor **Beth Mulholland** will provide students an opportunity to seek inner serenity while surrounded by natural beauty. Intended for beginner and intermediate level students, this class emphasizes smooth, flowing postures and the benefits of focused breathing to achieve harmony.

Pre-registration required. Individual Class \$15 members, \$17 non-members; series of six classes \$78 members, \$96 non-members.

Night Hikes

Saturday, September 21, 7:00 – 9:00 pm,
Saturdays October 26 and November 16,
6:00 – 8:00 pm

Experience the magic of Tyler's natural areas after dark. Guide **Dick Cloud** will share points of special interest and autumnal highlights while leading a brisk hike. *This walk is for adults and teens. Bring a flashlight and wear shoes suitable for uneven terrain that may include moderate to steep trails.*

Pre-registration required; \$6 members, \$8 non-members

Fall Flavors Cooking Demonstration

Thursday, October 17, 6:00 – 7:30 pm

"Squash" boring recipes and try out some new ones with unique fall flavors. Join **Glenn Mills, Whole Foods Healthy Eating Specialist**, to learn interesting and easy tricks for fall produce that include recipes that use



less than five ingredients, many of which might already be in your house! This demonstration-based workshop is perfect for anyone who loves their farmers' market, garden or CSA, but sometimes feels overwhelmed by an autumnal abundance of squash and root vegetables.

Pre-registration required; \$10 for members, \$12 for non-members.

Home Canning Workshop

Saturday, November 16, 10:00 am – 12:00 pm

Canning is a wonderful way to preserve delicious, seasonal food.

Marisa McClellan is an avid canner, teacher, food writer and dedicated farmers' market shopper who loves sharing her passion for canning and preserving food. In her fascinating workshop, participants will learn the basics of canning and jam making, and all participants will leave with a jar of their own homemade spiced applesauce, a printed copy of the recipe and tons of new knowledge about preserving food.

Pre-registration required; \$60 members, \$70 non-members.

Kids and Families

Toddlers in Nature

Toddlers in Nature programs are for ages 18-36 months and their favorite adult.

Toddlers are all about exploring and each class will include a story, theme exploration, and time in nature.

Pre-registration required; \$6 members, \$8 non-members

Who's in the Forest?

Wednesday, September 11, 9:45 – 10:45 am and 11:00 am – 12:00 pm

What is a forest and what animals will we find in one? Let's look for signs of animals and learn why they live at the Tyler Arboretum.

Under One Log

Wednesday, September 25, 9:45 – 10:45 am and 11:00 am – 12:00 pm

Some of the most amazing things live under logs. Help us turn over logs at Tyler Arboretum and look for them.

The Very Busy Spider

Wednesday, October 9, 9:45 – 10:45 am and 11:00 am – 12:00 pm

Why are spiders so special and important? Come learn all about Tyler's creepy crawlers.

Seeds, Sprouts, and Pumpkin Pie

Wednesday, October 23, 9:45 – 10:45 am and 11:00 am – 12:00 pm

It is pumpkin time at the Tyler Arboretum! Be ready to see, touch, smell and taste everything pumpkin.

Autumn Leaves

Wednesday, November 6, 9:45 – 10:45 am and 11:00 am – 12:00 pm

Today we will explore all the shapes, sizes and colors of leaves, make lovely leaf rubbings, and play games with leaves.

Baby Bat's Lullaby

Wednesday, November 20, 9:45 – 10:45 am and 11:00 am – 12:00 pm

Come hear about a baby bat's life and why bats are such wonderful creatures to have in your neighborhood.

Little Leaf Learners

Little Leaf Learner programs are for ages 18 – 36 months and their favorite adult.

These nature-based programs include engaging stories, dramatic play, movement, music, art and more. Each program will incorporate a trip outside (weather permitting) and a take-home craft!

Pre-registration required; \$6 members, \$8 non-members

Rainbow Rhymes

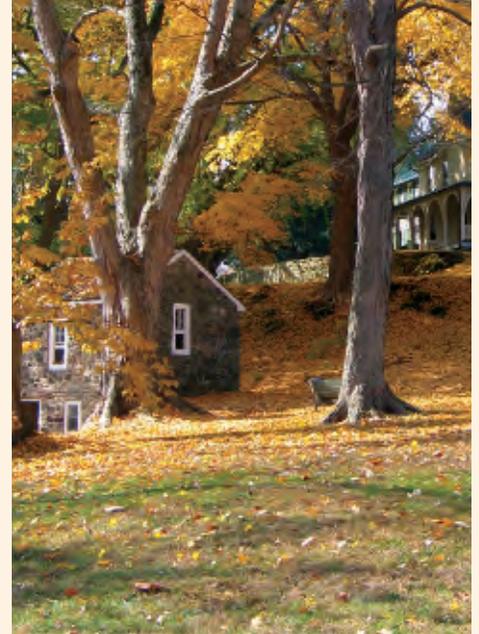
Thursday, September 12, 10:00 – 11:00 am

Journey outside to find all the colors of the rainbow by looking at trees, flowers, plants, animals, the sky and more! We will sing about rainbows, play games with color and color a rainbow.

Our Backyard

Thursday, September 19, 10:00 – 11:00 am

Step into the wild world of animals as we pretend to be different furry,



feathery and funny friends found in our PA backyard. Look for real animals on a nature crawl, meet some animal puppet friends, sing a song about a bad bunny and make your very own bunny ears!

Bug Buddies

Thursday, September 26, 10:00 – 11:00 am

The world has over 900K species of bugs! Come learn about a few of the friendliest, including ladybugs, butterflies, dragonflies and more. Read a classic Eric Carle story about "A Very Hungry Caterpillar," play a movement game that allows us to pretend we are caterpillars becoming butterflies and make a take-home caterpillar out of egg crates!

Seed Songs

Thursday, October 3, 10:00 – 11:00 am

Take a journey with a tiny seed as it becomes an apple tree! Through thematic songs and movement, we'll learn about the lifecycle of a seed. We'll also eat some applesauce and listen to seed stories before decorating a flowerpot and planting an apple seed to take home.

Wiggly Worms

Thursday, October 10, 10:00 – 11:00 am

Learn how worms traveling through the ground create pathways for water to reach plant roots. Learn to walk like a worm and take part in a worm puppet show! Finish with a special worm painting project that uses cooked noodles as worms to paint abstract art!

Drip, Drop, Drip!

Thursday, October 17, 10:00 – 11:00 am

Follow water as it travels from the ground to the sky and back down to the ground! Learn a call and response chant and listen to the sounds of rain as we read rain poems. Finish the day making rainy-day cloud pillows out of felt and string.

Nature Beats

Thursday, October 24, 10:00 – 11:00 am

Explore water, leaves, sticks, sand and the calls of the wild to create a natural symphony. Then listen to the calls of different birds before decorating a take-home set of musical egg shakers.

Exploring the Earth

Thursday, October 31, 10:00 – 11:00 am

Explore the earth through a sensory-based exercise that lets you feel dirt, sand, water and ice. Touch rocks and shells, and learn about the different plants and animals from each habitat. Hear poetry about the different elements of the Earth and make your own Earth to take home!

Farm Friends

Thursday, November 7, 10:00 – 11:00 am

Meet all of the different friends we find on a farm! With stories and songs like “Old McDonald Had a Farm,” we’ll learn all about farm animals and their different noises. Then create farm animal puppets made from paper bags and construction paper.

Season Senses

Thursday, November 14, 10:00 – 11:00 am

Travel through the four seasons with sing-a-longs and a movement game. Feel, smell, and explore different elements from each season such as blooming flowers or crunchy leaves. Then listen to poems about the seasons and make a “four seasons” tissue paper art project.

Night and Day

Thursday, November 21, 10:00 – 11:00 am

Follow the sun from rising to setting through dramatic play, from the birds chirping in the morning to owls hooting in the evening. Watch how a flower blooms and make a sun and moon mobile.

Inchworms

Inchworm programs are for preschoolers ages 2-3 years with their favorite adult. Toddlers love bugs and this program will get them learning all about our creepy crawlies! Each class will include a story, activity or craft and outside time to explore Tyler Arboretum.

Pre-registration required; \$6 members, \$8 non-members

Cicada Celebration

Monday, September 16, 10:00 – 11:00 am

What’s the best part of summer? Cicadas! Meet a cicada, climb like a cicada, search for cicada shells and learn about the cicada life cycle.

Metamorpho-Mazing!

Monday, September 30, 10:00 – 11:00 am

What do inchworms and butterflies have in common? Let’s read a butterfly story and go looking for butterflies, moths and their babies.

Where do Dragonflies Come From?

Monday, October 7, 10:00 – 11:00 am

Did you know that baby dragonflies live underwater? Come pet a dragonfly larva and look for dragonfly adults at our pond.

Happy Hoppers

Monday, October 21, 10:00 – 11:00 am

Learn to jump like grasshoppers, listen for cricket songs and look for praying mantis eggs in this class all about leaping bugs!

Buried Buggy Treasure

Monday, November 4, 10:00 – 11:00 am

Lots of bugs hide underground. Let’s dig down to find grubs, slugs, worms, pill bugs, and all kinds of digging creatures.

Goodnight Ant

Monday, November 18, 10:00 – 11:00 am

Some bugs hibernate for the winter, like our friend the ant! Learn how some ants gather seeds in the fall, and then search for some sleepy ants.

Tyler Tales

Tyler Tales is a nature-based story time for preschoolers ages 3-5 years. Each class includes a story, activity or craft and outside time to explore Tyler Arboretum. Children must be accompanied by an adult; fee is for the child only.

Pre-registration required; \$6 members, \$8 non-members

Autumn is Here!

Wednesday, September 18, 10:00 – 11:30 am

Autumn is a feast for the senses. Hear a wonderful fall story, see the changing colors, smell the rustic scents, feel the crisp air and taste the best of autumn!

How Many Seeds in a Pumpkin?

Wednesday, October 16, 10:00 – 11:30 am

Let’s explore all things pumpkin! We will carve a pumpkin and discover creative uses for pumpkin seeds.





Are You a Spider?

Wednesday, October 30, 10:00 – 11:30 am

Yikes, it's a spider! This is a great time of year to learn about spiders, their nests and why they are such amazing creatures.

Bats Love the Night

Wednesday, November 13, 10:00 – 11:30 am

How did bats get such a bad reputation? Find out the truth about bats and why we appreciate them here at Tyler Arboretum.

A Log's Life

Wednesday, November 27, 10:00 – 11:30 am

Hear this incredible story about a fallen tree and the life it provides others in the forest.

Little Steppers

Fridays, 9:30 – 10:30 am

Hiking is a wonderful way to spend time outdoors with young children. These excursions are specially designed for babies, toddlers, preschoolers and their grown-ups to introduce them to fun of hiking. Pack up your baby, toddler and/or preschooler and join Tyler Educator Molly Scott for some great exercise in the form of a nature adventure. This is an outdoor program; please dress for the weather (severe weather cancels). Bring water and light snacks. Fee is for the children only.

Pre-registration required; \$6 members, \$8 non-members

September 13, Lenape Children Hike*

Join us for this fun and educational hike in the Native Woodlands. Explore what life would have been like for Native American children living in this area before European settlers arrived.

**This hike is in the forest; not recommended for strollers.*

September 27, Tunnel Time Hike

This hike is for those who love to play hide-n-seek. Explore the hiding spots and tunnels used by animals at Tyler.

October 18, The Great Pumpkin Hike

It is time to celebrate harvest and all the bounty of this season. Join us for a pumpkin scavenger hunt hike through Tyler Arboretum.

October 25, Changing Leaves Hike

This colorful hike is for all of us who wonder about the amazing changes that take place during the autumn season. Learn to identify common leaves and trees.

November 8, Decomposer Hike*

Join us for a delightful hike celebrating those who "clean up" and "break down" organic matter. If you love worms, slugs and fungi this hike is for you! **This hike is in the forest; not recommended for strollers.*

Teeny Tiny Trackers

Teeny Tiny Trackers programs are for 3-year-olds and their favorite adult. Each class includes a story, activity or craft and outside time to explore Tyler Arboretum. Children must be accompanied by an adult; fee is for the child only.

Pre-registration required; \$6 members, \$8 non-members

Grandmother Trees

Monday, September 9, 10:00 – 11:00 am

Trees have parents and grandparents too! Learn about our grandparent trees and where their grandchildren live.

Birds on the Move

Monday, September 23, 10:00 – 11:00 am

When the days get shorter and the weather gets colder, look up! Today we will look for birds, and learn why some fly south for the winter while others stick around.

Nuts and Berries

Monday, October 14, 10:00 – 11:00 am

Why do trees and plants make nuts and berries? Learn about seed production and the hungry animals that like to eat them.

Spiders

Monday, October 28, 10:00 – 11:00 am

Learn about spooky spiders during this Halloween season. Search for spiders, webs, and eggs and learn how spiders survive the winter.

Falling For Leaves

Monday, November 11, 10:00 – 11:00 am

Autumn is called fall for a reason. Try to catch some leaves as they fall to the ground, look for different colors and make a pretty leaf craft to take home.

Deer Me!

Monday, November 25, 10:00 – 11:00 am

Learn some surprising facts about the largest animal in the Arboretum. We will hear a deer story and learn about signs of deer in the landscape.

Tiny Trackers

Tiny Trackers programs are for children ages 4 and 5 and their favorite adult. Each program includes a lesson, an outdoor walk and a craft to take home. Children must be accompanied by an adult; fee is for the child only.

Pre-registration required; \$6 members, \$8 non-members

Disappearing Leaves

Tuesday, September 10, 10:00 – 11:30 am and Thursday, September 12, 1:00 – 2:30 pm

When the leaves fall what happens to them? They turn into soil! Learn about the life cycle of leaves and get up close and personal with our decomposers.



Traveling Seeds

Tuesday, September 24, 10:00 – 11:30 am and Thursday, September 26, 1:00 – 2:30 pm

Have you ever had a seed stick to your socks? You were helping it move to a new home! Learn how seeds travel while going on a seed search.

Pumpkins

Tuesday, October 15, 10:00 – 11:30 am and Thursday, October 17, 1:00 – 2:30 pm.

It's pumpkin time! Learn about big and little pumpkins, decorate a jack-o-lantern and eat a pumpkin seed snack.

Spooky Critters

Tuesday, October 29, 10:00 – 11:30 am and Thursday, October 31, 1:00 – 2:30 pm

Celebrate Halloween at the Arboretum with some of our spookiest creatures!

Leaves

Tuesday, November 5, 10:00 – 11:30 am and Thursday, November 7, 1:00 – 2:30 pm

Fall is the only time to see Tyler's leaves off the trees. We'll go on a leaf-collecting spree and sponge-paint the designs of some of our favorites.

Hurry Up! It's Getting Cold!

Tuesday, November 19, 10:00 – 11:30 am and Thursday, November 21, 1:00 – 2:30 pm

What are the animals doing in the fall? They are getting ready for winter. Learn why some animals stick around and where others go.

Garden Sprouts

The Garden Sprouts program is designed to introduce kids ages 4 and 5 to the world of plants and gardens. Programs include stories, crafts, and walks to complement hands-on fun with plants. Children must be accompanied by an adult; fee is for the child only.

Pre-registration required; \$6 members, \$8 non-members

Picnic Party

Tuesday, September 10, 1:00 – 2:30 pm

Summer is cooling off, which means it is picnic season! Come see (and taste!) what's cooking in the garden.

Seed Detectives

Tuesday, September 17, 1:00 – 2:30 pm

Where do seeds come from? Grab a magnifying glass and solve the mystery while searching for veggie seeds. Then find special seeds to take home!

Fall in Love with Leaves!

Tuesday, September 24, 1:00 – 2:30 pm

What makes fall special? Come look for signs of autumn, dance in a leaf storm and make leaf art for the garden!

Garden Buddies

Tuesday, October 1, 1:00 – 2:30 pm

Come look for the furry and feathery friends who visit our garden when people are away. Make a scarecrow friend for your garden buddies at home!

Super Squash

Tuesday, October 8, 1:00 – 2:30 pm

Autumn is squash season! Learn all about the different kinds of squash, and visit the veggie garden to look for pumpkins and more!

Shake it Up with Seeds

Tuesday, October 15, 1:00 – 2:30 pm

Move like a seed: fly, bounce, float and roll! Go on a seed scavenger hunt and enjoy a "berry" yummy snack.

Garden Lasagna

Tuesday, October 22, 1:00 – 2:30 pm

Did you know that plants like lasagna, too? Learn all about lasagna gardening and what plants like to "eat" while you dig and play in the garden.

Creepy Crawlies in the Garden

Tuesday, October 29, 1:00 – 2:30 pm

Come meet a plant's best friends: wriggly worms, marching millipedes and shy spiders. Learn about good bugs and bad bugs in the garden, and make a garden bug of your own!

Hibernation Harvest

Tuesday, November 5, 1:00 – 2:30 pm

Winter is coming! Learn about what plants and animals do when the weather gets cold, and visit the garden to gather some veggies for winter.

Goodnight Roots

Tuesday, November 12, 1:00 – 2:30 pm

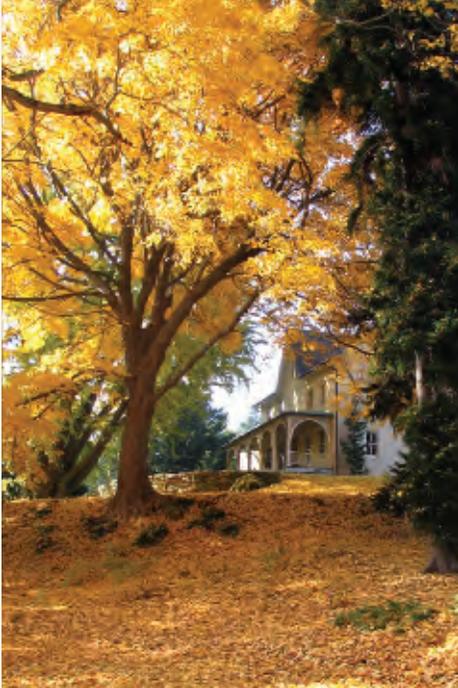
Some plants sleep underground all winter, waiting for spring. Dig in the soil for vegetable roots, and plant some tasty roots for next year's spring surprise.

Cider Celebration

Tuesday, November 19, 1:00 – 2:30 pm

Some really tasty foods come from trees...like apples! Learn about fruit trees, plant an apple tree, and make apple cider.





Family Programs

Grab the kids for a fun trip to Tyler! Interactive programs let you learn, create or explore nature and plants. To ensure quality programs, age limits are for active participants; younger siblings are welcome to attend. Fee is for each child and each adult. Children under 3 are free.

The Moon has Phases...or is it Faces?

*Friday, September 13, 7:00 – 9:00 pm
(Cloud Date, September 27)*

Presented by the **Chester County Astronomical Society**, this program will explore the wonders of our moon. The program will begin indoors with a demonstration of how the moon travels around the Earth, followed by an introduction to the moon's phases and faces to guide observation. Participants will then head outside for guided observation of the moon and the night sky.

Pre-registration required; \$10 members, \$12 non-members

Play With Your Food

Saturday, September 14, 10:00 – 11:30 am

The whole family will enjoy some hands-on fun as we make colorful play dough from items we find in the garden! This all-natural, gluten-free recipe is perfect for any family. You can taste it too, but it's better for playing than eating! *Suitable for children ages 3 and older.*

Pre-registration required; \$6 members, \$8 non-members

Wonderful Rocky Run

*Saturday, September 28,
10:00 – 11:30 am*

FREE FOR MEMBERS!

Engage in hands-on investigation of Rocky Run stream. Use water samples to identify and classify macro-invertebrates and learn about their role in the stream ecology.

Suitable for children ages 3 and older.

Pre-registration required; \$8 non-members

Bug Safari

*Sunday, October 6,
1:00 – 2:30 pm*

FREE FOR MEMBERS!

Kids and adults become apprentice entomologists as we hunt for creepy crawlies. Learn how to use nets to find praying mantis and other insects in the meadow maze. Turn over fallen leaves and logs to look for soil dwellers like beetles and roly polies. Examine flowers to find the many pollinators looking for nectar and pollen. This is a fun, interactive catch and release adventure. Nets and bug boxes will be provided. *Suitable for children ages 3 and older.*

Pre-registration required; \$8 non-members

Spooky Twilight Hike

*Friday, October 25,
5:30 – 7:00 pm*

FREE FOR MEMBERS!

Catch some of nature's Halloween spirit as we explore the woods and meadows while the sun sets and the Arboretum atmosphere changes. Search for spiders, watch for bats and listen for owls. The adventure concludes with a campfire and refreshments. *Suitable for children ages 3 and older.*

Pre-registration required; \$8 non-members

The Great Bird Migration

Saturday, November 2, 10:00 – 11:30 am

FREE FOR MEMBERS!

Autumn is a time for change. The tree foliage is changing color, the days are getting shorter and birds are migrating south. Learn which birds fly south for the winter, how to tell them apart and why they migrate. *Suitable for children ages 3 and older.*

Pre-registration required; \$8 non-members

The Circle of Life

Monday, November 11, 1:00 – 2:30 pm

The circle of life is on view all over Tyler Arboretum. Explore the life cycle of trees and plants and learn easy ways to continue the circle by growing seeds from the foods you eat. *Suitable for children 3 and older.*

Pre-registration required; \$6 members, \$8 non-members

Family Birding: Migration

Saturday, September 14, 10:00 – 11:30 am

FREE FOR MEMBERS!

Fall is a wonderful time for birding. As the weather cools, many summer residents fly south for the winter and many migrating birds stop by Tyler for a rest on their travels. Join **Sue Lucas** on a quest for these fall travelers during a special migration focused bird walk. *This program is geared toward beginners. Bring bird guides and binoculars if you have them, or borrow them from us. Appropriate for children ages 8 and up.*

Free with admission; no pre-registration required

Introductory Family Birding

Saturday, October 12, 10:00 – 11:30 am

FREE FOR MEMBERS!

Have you ever wondered about the birds in your backyard? Join **Sue Lucas** for an introductory exploration of Tyler's birds. This program will be a fun chance for the whole family to learn how to identify our local birds by sight and sound and an introduction to countless family bird watching trips to come. *This program is geared toward beginners. Bring bird guides and binoculars if you have them, or borrow them from us. Appropriate for children ages 5 and up.*

Free with admission; no pre-registration required



Photograph by Steven Smith, My Shot

Pumpkins, Pumpkins Everywhere!

Pumpkins will be in big supply on this special weekend dedicated to fall and family fun. Come and enjoy a full day of activities, food and entertainment. Choose from a great selection of pumpkins in lots of shapes and sizes to paint in bright colors or take home au naturale.

Hop on a hay wagon, dress up a scarecrow, play games and enjoy make-and-take crafts surrounded by gorgeous foliage. See www.tylerarboretum.org for additional information.

Parking is at the Penn State Brandywine Campus on Rt. 352. Continuous shuttle bus service brings visitors to the Arboretum's admissions area. Strollers are welcome.

No pre-registration required. Admission for Tyler members is \$4 for adults, \$2 for children ages 3 – 15. Non-members: \$10 for adults, \$7 for children ages 3 – 15. Children under 3 are admitted free. Some activities require an additional fee.

**Pumpkin Days Celebration
Saturday & Sunday,
October 19 & 20
10:00 am – 5:00 pm**



Calling all bakers...Pumpkin Days needs you

This is our biggest event of the year, and revenue from delicious bake sale donations helps support Tyler's gardens, natural areas and educational programs.

Cookies, brownies, cakes, breads and cupcakes are all needed and pumpkin-themed treats are especially popular. It is very helpful if we know ahead of time what will be donated, so

please contact **Volunteer Coordinator Melissa Hamblin** at 610-566-9134 x205 or email mhamblin@tylerarboretum.org, to let us know what you are bringing. She can also answer questions about ingredients and labeling. Baked goods donations can be dropped off at the Visitor Center on Thursday and Friday, October 17 and 18.

Clean out your closets and help clothe a scarecrow!

Old clothing is needed for scarecrow-making at Pumpkin Days. Old jeans, overalls, long-sleeved shirts and hats can be dropped off in the donation box located in the Visitor Center.



Don't Miss

Scout and Youth Group Programs

Tyler Arboretum has year-round programming for Girl and Boy Scouts that fulfills badge and Try-it requirements. Visit www.tylerarboretum.org, or contact 610-566-9134, ext 202 for information and registration.

Home School Programs

Bring your home school group to the Arboretum. Our plants, meadows and streams offer numerous hands-on learning opportunities. In addition to our programs developed for traditional schools, we can

develop customized programs to meet your needs.

Visit www.tylerarboretum.org, or contact 610-566-9134, ext 202 for information and registration.

Eco Birthday Parties

Bring your budding naturalist for a memorable celebration at the Arboretum. Surrounded by sights and sounds of nature, your child's special day will be one of exploration, discovery and fun.

Visit www.tylerarboretum.org, or contact 610-566-9134, ext 202 for information and registration.



Tyler

Calendar of Programs & Events

Autumn
2013

Tyler Arboretum Autumn Programs and Events

Autumn Bird Walks: Every Wednesday, 8:15 – 10:15 am
Weekday Wildflower Walks: Every Wednesday, 11:00 am – 1:00 pm
Sundays, Sep. 9, Oct. 14 and Nov. 11, 1:30 – 3:00 pm

These walks are
ALWAYS FREE
FOR MEMBERS!

September

- Sun. Sept. 8 Invasive Plant Removal Corps
- Sun. Sept. 8 Historic Building Tours
- Sun. Sept. 8 Wildflower Walk
- Sun. Sept. 8 Trail Ramble: Pink Hill & Minshall
- Mon. Sept. 9 *Teeny Tiny Trackers*: Grandmother Trees
- Tues. Sept. 10 *Tiny Trackers* – Disappearing Leaves
- Tues. Sept. 10 *Garden Sprouts*: Picnic Party
- Tues. Sept. 10 Yoga in the Garden
- Wed. Sept. 11 *Toddlers in Nature*: Who's in the Forest?
- Thurs. Sept. 12 *Little Leaf Learners*: Rainbow Rhymes
- Fri. Sept. 13 **Volunteer Open House**
- Fri. Sept. 13 *Little Steppers*: Lenape Children Hike
- Fri. Sept. 13 *Family Program*: The Moon has Phases...or is it Faces?
- Sat. Sept. 14 Moss Gardening
- Sat. Sept. 14 *Family Birding*: Migration
- Mon. Sept. 16 *Inchworms*: Cicada Celebration
- Tues. Sept. 17 *Garden Sprouts*: Seed Detectives
- Tues. Sept. 17 Yoga in the Garden
- Wed. Sept. 18 *Tyler Tales*: Autumn is Here!
- Thurs. Sept. 19 *Little Leaf Learners*: Our Backyard
- Fri. Sept. 20 **Members Only Event – Tyler After-Dark Adventures**
- Sat. Sept. 21 Beekeeping Basics – Part II
- Sat. Sept. 21 Night Hike
- Sun. Sept. 22 Sungazing
- Mon. Sept. 23 *Teeny Tiny Trackers*: Birds on the Move
- Tues. Sept. 24 *Tiny Trackers*: Traveling Seeds
- Tues. Sept. 24 *Garden Sprouts*: Fall in Love with Leaves
- Tues. Sept. 24 Yoga in the Garden
- Wed. Sept. 25 *Toddlers in Nature*: Under One Log
- Thurs. Sept. 26 *Little Leaf Learners*: Bug Buddies
- Thurs. Sept. 26 **A Toast to Harvest Time**
- Fri. Sept. 27 *Little Steppers*: Tunnel Time Hike
- Sat. Sept. 28 Late Season Vegetable Gardening
- Sat. Sept. 28 *Family Program*: Wonderful Rocky Run
- Mon. Sept. 30 *Inchworms*: Metamorpho-Mazing

October

- Tues. Oct. 1 *Garden Sprouts*: Garden Buddies
- Tue. Oct. 1 Yoga in the Garden
- Thurs. Oct. 3 *Little Leaf Learners*: Seed Songs
- Sat. Oct. 5 Preparing Your Garden for Winter
- Sun. Oct. 6 *Family Program*: Bug Safari
- Sun. Oct. 6 Historic Building Tours
- Sun. Oct. 6 Trail Ramble: Dismal Run and Minshall
- Mon. Oct. 7 *Inchworms*: Where do Dragonflies Come From
- Tues. Oct. 8 Birding Trip: Forsythe National Wildlife Refuge
- Tues. Oct. 8 *Garden Sprouts*: Super Squash
- Tues. Oct. 8 Yoga in the Garden
- Wed. Oct. 9 *Toddlers in Nature*: The Very Busy Spider
- Thurs. Oct. 10 *Little Leaf Learners*: Wiggly Worms
- Sat. Oct. 12 Tyler Tarantulas
- Sat. Oct. 12 *Family Program*: Introductory Family Birding
- Sun. Oct. 13 Invasive Plant Removal Corps
- Sun. Oct. 13 Wildflower Walk
- Mon. Oct. 14 Cranberry Bog and Pine Barrens Trip
- Mon. Oct. 14 *Teeny Tiny Trackers*: Nuts and Berries
- Tues. Oct. 15 *Tiny Trackers*: Pumpkins
- Tues. Oct. 15 *Garden Sprouts*: Shake it up with Seeds
- Tues. Oct. 15 Yoga in the Garden
- Wed. Oct. 16 *Tyler Tales*: How Many Seeds in a Pumpkin?
- Thur. Oct. 17 Fall Flavors Cooking Demonstration
- Thur. Oct. 17 *Little Leaf Learners*: Drip, Drop, Drip
- Fri. Oct. 18 *Little Steppers*: The Great Pumpkin Hike
- Sat. Oct. 19 **Pumpkin Days Celebration**
- Sun. Oct. 20 **Pumpkin Days Celebration**
- Mon. Oct. 21 *Inchworms*: Happy Hoppers
- Tues. Oct. 22 *Garden Sprouts*: Creepy Crawlies in the Garden
- Wed. Oct. 23 *Toddlers in Nature*: Seeds, Sprouts and Pumpkin Pie
- Thur. Oct. 24 *Little Leaf Learners*: Nature Beats
- Fri. Oct. 25 *Family Program*: Spooky Twilight Hike
- Thur. Oct. 24 Beer Stein and Botany Workshop

- Fri. Oct. 25 *Little Steppers*: Changing Leaves Hike
- Sat. Oct. 26 What Tree is This? Tree Identification Walk
- Sat. Oct. 26 Night Hike
- Mon. Oct. 28 *Teeny Tiny Trackers*: Spiders
- Tues. Oct. 29 *Tiny Trackers*: Spooky Critters
- Wed. Oct. 30 *Tyler Tales*: Are You a Spider?
- Thur. Oct. 31 *Little Leaf Learners*: Exploring the Earth
- Thur. Oct. 31 Naturalist Walk

November

- Fri. Nov. 1 Brookside Garden Tour
- Sat. Nov. 2 *Family Program*: The Great Bird Migration
- Sun. Nov. 3 Cultivating Great Garden Photographs
- Sun. Nov. 3 Trail Ramble: Painter Trail
- Sun. Nov. 3 Historic Building Tours
- Mon. Nov. 4 *Inchworms*: Buried Buggy Treasure
- Tues. Nov. 5 *Tiny Trackers*: Leaves
- Tues. Nov. 5 *Garden Sprouts*: Hibernation Harvest
- Wed. Nov. 6 *Toddlers in Nature*: Autumn Leaves
- Thur. Nov. 7 *Little Leaf Learners*: Farm Friends
- Fri. Nov. 8 *Little Steppers*: Decomposer Hike
- Sat. Nov. 9 Through Our Own Eyes: Nature Study & Photography
- Sun. Nov. 10 Invasive Plant Removal Corps
- Sun. Nov. 10 Wildflower Walk
- Mon. Nov. 11 *Teeny Tiny Trackers*: Falling for Leaves
- Mon. Nov. 11 *Family Program*: The Circle of Life
- Tues. Nov. 12 *Garden Sprouts*: Goodnight Roots
- Wed. Nov. 13 *Tyler Tales*: Bats Love the Night
- Thur. Nov. 14 *Little Leaf Learners*: Season Senses
- Sat. Nov. 16 Home Canning Workshop
- Sat. Nov. 16 Night Hike
- Mon. Nov. 18 *Inchworms*: Goodnight Ant
- Tues. Nov. 19 *Tiny Trackers*: Hurry Up! It's Getting Cold!
- Tues. Nov. 19 *Garden Sprouts*: Cider Celebration
- Wed. Nov. 20 *Toddlers in Nature*: Baby Bat's Lullaby
- Thur. Nov. 21 *Little Leaf Learners*: Night and Day
- Sat. Nov. 23 Thanksgiving Flower Arrangement
- Mon. Nov. 25 *Teeny Tiny Trackers*: Deer Me!
- Wed. Nov. 27 *Tyler Tales*: A Log's Life

MEET LEARN ENJOY HELP LEND-A-HAND

Like it here? Volunteer! Meet new friends, learn new things and have fun while helping a great organization. Sign up for more information by contacting our Volunteer Coordinator, Melissa Hamblin, at 610-566-9134, ext. 205 or mhamblin@tylerarboretum.org.

SOME OF OUR OPPORTUNITIES

Trails Day

Saturday, November 9, 8:00 am – 12:00 pm

Spend a great morning with fun people and help maintain Tyler's trails and natural areas. Work with other volunteers to clear brush, invasive plants, and control erosion.

Invasive Plant Removal Corps

Sundays, September 8, October 13, November 10 from 9:30 am – 12:00 pm

Join Dick Cloud's crew to help remove invasive plants from our meadows and woodlands so that our wildflowers and native plants can survive.

Horticulture Group

Tuesdays and Wednesdays, 8:00 am – 12:00 pm

Be part of our dedicated and fun-loving volunteers and assist with plant and grounds maintenance as well as event preparations.

American Chestnut Nursery Tenders

Thursdays, 8:00 am – 12:00 pm

Assist with pollination and fruit harvest as well as maintaining the tree nursery, as part of the breeding program for The American Chestnut Foundation.

Vegetable Demonstration Garden Assistants

April – October, 9:00 am – 12:00 pm, days to be determined

Help tend our quarter acre educational garden and assist with bed preparation, planting, mulching, weeding, thinning, watering, composting, harvesting and delivering produce to Media Food Bank.

School Program Guides

Weekdays; mostly mornings

Help bring science and nature to life for regional school children by leading field trip programs. Training provided.

Pumpkin Days Needs All Hands on Deck!

Tyler Arboretum's Pumpkin Days on October 19-20 will require more volunteers than any other event this year. If you have considered joining us for a special event, now is the time! There are many positions to choose from, including but not limited to, face painting, craft stations, moon bounce, concessions, baking, pumpkin painting, hay rides and much more.



Save the Dates!

Volunteer Open House
Friday, September 13
11:00 am – 12:00 pm

Join us at the Tyler Volunteer Open House for coffee and baked goods while learning about the many volunteer opportunities available. Come learn how you can share your unique skills, learn some new ones and meet new people.

Pancake Breakfast and Maple Sugaring Celebration

February 22, 2014
Snow date: March 1, 2014

We need volunteers to help to cook and serve pancakes and sausage to hundreds of visitors.

Helping Hands

Our volunteers make a difference! Tyler truly could not continue its mission without the generous help of its volunteer corps. Here are a few of their accomplishments for the first half of 2013:

- Over 55 volunteers contributed over 350 hours to help Tyler raise \$32,026 at the annual Plant Sale.
- Over 20 volunteers and board members worked hard to throw the glamorous annual Tyler at Twilight Auction despite the threat of storms. Over \$128,000 was raised by our gracious attendees.
- Our volunteers come from many different backgrounds. Did you know that our summer camp runs with the help of some great dedicated teenage volunteers?
- Once again, thousands of visitors were able to enjoy our beautiful native butterflies due to the efforts of our Butterfly House management team, docents and netters.

11th Annual Tyler at Twilight Auction

Presented by Exelon Generation

A big thank you goes to the entire Tyler community for making our 11th Annual Tyler at Twilight Auction such a tremendous success. Despite the torrential weather forecast, the majestic tent on the Arboretum's Painter Lawn transformed the grounds and protected guests from the elements to make for a wonderful party with good food, music and socializing.

More than 250 guests enjoyed browsing and bidding at tables filled with a variety of silent auction items in addition to a fun live auction in the middle of the events. Preliminary fundraising results indicate a gross of \$115,000 to help the general operating budget at Tyler Arboretum. The generosity of everyone at the auction, in addition to all the sponsors and donors who could not be with us for the evening, helped make this possible.

Through a special cash appeal during the live auction, Tyler raised an additional \$13,500 to complete the installation of a storage barn for the equipment used here at Tyler. Thank you to all who supported this important project.

We are grateful to auction chair Aralisha Newbold for her work in overseeing the entire event as well as all the committee members.

Special thanks to Restaurant Showcase participants who donated their time and delicious fare:

Fresco Pizza & Grill	LaLocanda
Great Harvest Bread Co.	Margaret Kuo's Peking
Jeffrey A. Miller Catering Company	Spice Indian Thai Bistro
Jimmy's BBQ	Viso's Family Bakery

Tyler also appreciates Classic Entertainment who contributed DJ services again this year as well as Pinocchio's Restaurant & Beer Garden To Go who contributed the beer for the event. And a special thank you to our musicians, Dr. Mac Given and Andrea Carlson, who helped welcome everyone into the festivities, Master of Ceremonies Sue Serio of Fox 29 News for keeping the evening's activities going, and Auctioneer Michael Wilson of Wilson's Auctioneers and Appraisers for helping make the live auction such a success!

Auction Committee:

Aralisha Newbold, Chair	Susan Howe	Bill Strine
Monica Bodor	Lisa Lawler	Ingrid Swesey
Linda H. Ciavarelli, DPM	Jill Liebling	Trine Vanderwall
Rick Colbert	Sally Rogers	Tara Wood
Michelle Frank		



Dr. Jerry Francesco, Mrs. Lucille Francesco, Mrs. Judy Strine, and Mr. William Strine



Mrs. Annette Richter peruses the silent auction items.



Sue Serio, Master of Ceremonies, selects the winning raffle ticket from Rick Colbert, Executive Director.

Tyler at Twilight Auction Sponsors

A special thank you to all our sponsors who helped raise much needed funds for Tyler's general operating budget.

PRESENTING SPONSOR



GOLD SPONSORS

Cannon Properties, Inc.
 Drinker Biddle & Reath LLP
 Eastdil Secured, LLC
 Ernst & Young

Glenmede
 KPMG LLP
 Marsh USA Inc
 Messick & Lauer P.C.
 Morgan Lewis & Bockius LLP
 Mr. & Mrs. Michael Donohue
 Schmidt Properties
 Wawa, Inc.

SILVER SPONSORS

Dechert LLP
 Elko & Associates
 Elwyn Pharmacy
 Iron Workers Bank

National Realty Corporation
 Paul, Flandreau and Berger, LLP
 Pepper Hamilton LLP
 Protiviti, Inc.
 The SafeGard Group, Inc.
 Stifel Investment Banking
 TD Bank
 Walter M Strine & Alice Washco
 Strine Foundation
 Wells Fargo Advisors, LLC
 Willis North America Inc.

FRIENDS

ACE USA

Bryn Mawr Trust Company
 Chubb Group of Insurance Co.
 Mr. & Mrs. Joseph A. Damico, Jr.
 DNB First
 ERM
 First Priority Bank
 Franklin Mint Federal Credit Union
 Graham Partners, Inc.
 Ms. Reams-Henofer & Mr. Henofer
 Manko, Gold, Katcher & Fox, LLP
 Township of Middletown
 Travelers
 Whole Foods Glen Mills

ADVANCEMENT

Grants & Special Gifts

Gifts Received March 11, 2013 – June 13, 2013

\$11,750 Dr. & Mrs. Jerry M. Francesco

This special gift funded concept plans for a new Edible Garden being planned for the meadow by the maintenance shop. The purpose of the Center will be to provide gardeners and students with up-to-date information and forward-thinking approaches to ecologically holistic food gardening practices in a venue that offers a hands-on experience.

\$5,000 Longwood Graduate Professional Outreach Project (POP)

Ten students from the Longwood Graduate Program in Public Horticulture will implement Tyler's vision to have an exhibit that reflects the plants and look of the historic landscape created by the Painter brothers. The essence of this proposed project is to develop a historic exhibit that educates visitors about the core historical genesis of the Arboretum itself.

Many Thanks to our Generous Friends, Sponsors, Donors

\$5,000+

Mr. & Mrs. John E. Colburn, Jr.
Dr. & Mrs. Jerry M. Francesco

The Country Gardeners of Lima

\$500-\$999

Dental Health Care Associates
Mr. & Mrs. Tom Kaiden
PNC Foundation Matching
Gift Program
The Rotary Club of Media
Verizon Foundation – Verizon
Employee Engagement

\$250-\$499

Mr. & Mrs. Shipley A. Allinson
Mr. Jeffrey Cadorette
Mr. John Fowler IV
Mr. & Mrs. David J. Frank
Mr. Andrew L. Hunt
Sandra & Bruce Lutz
Dr. Barbara Norton &
Dr. David Warner

\$2,500-\$4,999

Mr. & Mrs. Jason Ingle

\$1,000-\$2,499

Mr. & Mrs. John E. Colburn
Victoria Will & Michael Kowalski

Welcome to These New & Renewing Members

March 11, 2013 – June 13, 2013

Circle of Friends are members who contribute at a higher level (\$300+), providing essential support to the sustainability and conservation of Tyler's 650 acres of open space, diverse ecosystems and historic collections.

The *Steward* level offers a chance for nature and art lovers to show their support for the Arboretum and contribute to the preservation of its legacy. Contributors at Steward level (\$150+) receive privileges through both the North American Reciprocal Museum (NARM) program, and the Reciprocal Organization of Associated Museums (ROAM) program, gaining access to hundreds of museums around the country.

STEWARDS

Mr. & Mrs. J. Robert Banks
Dr. Peter Bernstein & Mrs. Ala Hamilton-Day
Ms. Christine Blidan
Ms. Marcela Bonilla
Mr. & Mrs. Braun
Mr. & Mrs. Brooks
Mr. & Mrs. James F. Browne
Mr. & Mrs. Kent Davidson
Mrs. Aldys C. Davis
Ms. Paula DeLucco
Mrs. Mary Jane Diemer
Mr. & Mrs. Edwin Erickson III
Mr. Francis A. Gansz
Mr. & Mrs. James Gastner
Mr. & Mrs. Gellert
Darcy & Jeff Gibb
Mr. & Mrs. Irwin
Mr. & Mrs. Dennis Jackman

Wayne & Marilyn Keller
Mr. & Mrs. Christopher Le Lan
Mr. Andrew Loughrey & Ms. Bonny Hodges
Mr. & Mrs. John Mahoney
Mr. & Mrs. James J. McElhone, Jr.
Mr. Francis Miller & Ms. Linda Chen
Mr. James F. Mitchell III
Mr. & Mrs. Dennis M. Morris
Mr. Dwight Morrow & Ms. Monica Holland
Mr. & Mrs. Thomas O'Brien
Mr. & Mrs. Piper
Ms. Andrea Polachek & Family
Mrs. Marianne Price
Mr. & Mrs. Schaeffer
Mr. & Mrs. Schultz
Ms. Shooster & Mr. Bohm
Drs. William & Nicole Surkis
Mrs. Jayne Tamburello & Dr. Eugene Joyce
Mr. & Mrs. James Viner

Mrs. Walters & Ms. Sears
Mr. & Mrs. Warmann
Mrs. Penelope P. Watkins
Mr. & Mrs. Wellington
Mr. John Wenderoth & Mrs. Annette Hearing
David A. Whinfrey
Mr. & Mrs. Richard N. Young

CIRCLE OF FRIENDS

Mr. & Mrs. Joseph A. Damico, Jr.
Dr. & Mrs. James M. England
Kristine & Richard Hughey
Mr. & Mrs. Tom Kaiden
Dr. Evelyn Kritchevsky
Sandra & Bruce Lutz
Dr. Barbara Norton & Dr. David Warner
Mr. & Mrs. Gerald O'Dell
Victoria Will & Michael Kowalski

If you would like information about upgrading your membership and becoming a Circle of Friends or Steward Member, please contact Jill Liebling, Development Manager, at 610-566-9134 x267.

Tarantulas at Tyler

By Steve Tessler

Some very unusual spiders live on Tyler Arboretum property, and *Atypus snetsingeri* is one of them. *Atypus snetsingeri* is a purse-web spider in the family Atypidae and is truly our own, because it is only known from Delaware County, Pa. Purse-web spiders are related to tarantulas and trap-door spiders and are considered primitive. They dig a narrow burrow in the soil and line it with silk, then extend the silk tube above ground and attached it to the base of a tree or shrub. Finally, they camouflage it with bits of soil and debris.

These spiders hunt from inside their silken tube, detecting vibrations of whatever small creatures happen to walk over it. The spider attacks by using one fang to impale its victim through the silk and hold it, then uses the other fang to slice a hole in the tube big enough to drag it in.



After its prey is brought inside, the hole is promptly repaired from inside and the spider retreats underground to eat in safety, as if nothing has happened and the tube is once again safe to walk on. A female purse-web spider can live for many years and she mates and lays her eggs in her tube. Once hatched, the spiderlings remain in the tube with their mother and share her prey until the following spring when they leave to disperse by ballooning, i.e. creating a tiny

“parachute” with its silk catching in the wind, thus allowing the baby spiders to float away on the breeze.

Spiders come in a variety of shapes and colors at Tyler in autumn, if you care to notice. These include large and small orb-web weavers, sheet weavers, funnel weavers, plus a smattering of pirate, fishing, wolf, lynx, crab and jumping spiders. It’s probably a spider’s appetite for insects and other arthropods that defines its role in the local ecology, but it is the things they do with silk that captures most people’s attention—that and running around where you don’t want them.

Join the October Spider Hike to learn everything you didn't know about spiders, find various autumn species and visit the Atypus spider colony to help dig some up for observation. See Tyler Programs for more details.

Hours

March – October
Mon – Fri 9:00 am – 5:00 pm
Sat & Sun 9:00 am – 6:00 pm

November – February*
Mon – Fri 9:00 am – 4:00 pm
Sat & Sun 9:00 am – 5:00 pm

*Closed on Thanksgiving, Christmas Eve & Day

Information: 610-566-9134 • www.tylerarboretum.org • info@tylerarboretum.org

Admission

Adults \$9
Seniors (65 and up) \$8
Youths (Ages 3-15) \$5
Children under Age 3 Free