Volunteer
Morris Arboretum of the University of Pennsylvania

Volunteer is a newsletter published monthly for Arboretum volunteers.

The Morris Arboretum of the University of Pennsylvania is an historic public garden and educational institution. It promotes an understanding of the relationship between plants, people, and place through programs that integrate science, art, and the humanities. The Arboretum conducts four major activities: education, research, outreach, and horticultural display. As the official Arboretum of the Commonwealth of Pennsylvania, the Morris Arboretum of the University of Pennsylvania provides research and outreach services to state agencies, community institutions and to citizens of Pennsylvania and beyond.

Education: Liza Hawley, efhawley@upenn.edu or (215) 247-5777 ext 128

Garden Railway: Pam Morris Olshefski, pamela@upenn.edu or (215) 247-5777 ext 188

Grist Mill: Bob Gutowski, gutowski@upenn.edu or 215-247-5777 ext 132

Horticulture: Pam Morris Olshefski, pamela@upenn.edu or (215) 247-5777 ext 188

Archives & History: Leslie Morris-Smith, leslm@upenn.edu or (215) 247-5777 ext 175

Physical Facilities: Tom Wilson, wilsonth@upenn.edu or (215) 247-5777 ext 108

Information:
(215) 247-5777
www.morrisarboretum.org
100 E. Northwestern Avenue
Philadelphia, PA 19118

Volunteer
Alex Correia-Sareyka, Editor
Contributors: Jody Sprague, Elizabeth Gavula, Anna Giesmann

Questions, comments, and submissions can be directed to the editor at edintern@morrisarboretum.org or mailed to the Arboretum Attn: Education Intern.

Photos: Alex Correia-Sareyka, unless otherwise stated

Cover photo: *Hamamelis x intermedia ‘Primavera’* (Primavera witchhazel) immediately after a February snowstorm.

Red-bellied woodpecker

Contents

Letter from the Editor 1
Notes from the Guides Chair 2
Continuing Education 3
Volunteer Opportunities 4
Announcements 5
Intern Project Presentations 6
Six-Legged Friends 8
From the Archives 9
Garden Highlights 10
Upcoming Events 11

*Cedrus atlantica ‘Glaucan’*
What a wild few months of “winter” weather it has been! I was glad to experience at least one more snowstorm this season. The only bit of February snow we had motivated me to trudge into work to take advantage of what might be my only opportunity to photograph snowy scenes at the Arboretum. I arrived early, just as it started to snow heavily, and felt like one of the only people here. When the snow let up, I took a stroll through the garden with my camera to capture the snow laden trees and winter blooms against a white backdrop.

Only one week later, it felt like a beautiful 70 degree spring day. I even found myself leaving my Philadelphia home for a long walk across town for ice cream! Though it miraculously feels like spring now, I couldn’t help but share some snowy photos in this issue.

Alex Correia-Sareyka
The McLean Contributionship
Endowed Education Intern

Hamamelis mollis ‘Princeton Gold’

Malus ‘Indian Magic’

Metasequoia glyptostroboides
Hello Everyone,

One of the great joys of being a guide is the opportunity to become acquainted with fellow guides. I will always have a special corner in my heart reserved for my classmates in the fall training class of 1999. I remember thinking on the first day I met Tina Krause, “Now, this is a really interesting person.”

Here we are 18 years later, and Tina is still a fascinating person. Recently, we chatted about her life and careers. She is able to trace her Quaker family back for several generations, including to ancestors who helped with the Underground Railroad. Her relatives lived in the large, white stucco house at the corner of Butler Pike and Germantown Ave. This house was a station on the railroad and the barn featured a lecture hall for well-known abolitionists to speak.

Tina is the only person I have ever met that began dancing on stage at age 13. Continuing as a professional modern dancer for 25 years, she danced with The Philadelphia Orchestra. When not dancing and teaching dance, she attended Wellesley College, married her sweetheart two days after graduation, began teaching biology, and danced in the evenings.

While completing a Master's in biology, she decided to apply to medical school. This was several decades ago, so her inquiries were not met with great enthusiasm by all. Finally, she was accepted to Jefferson Medical School at the age of 40. Her husband and young sons were completely supportive of her new career path. The committee that accepted her didn't need to worry if Tina would continue in medicine, because she practiced for 30 years. She eventually retired to the Chestnut Hill area because she wanted to be close to family and Morris Arboretum. Tina has since moved down the road from the Arboretum and is a resident of The Hill at Whitemarsh. Not to rest on any laurels for Tina, she started her own landscaping company.

This brings us to Tina’s next career move. After taking the Master Gardener course at Temple Ambler Campus, she then became a Pennsylvania Certified Horticulturist. She was wondering what direction to pursue next, and decided to blend her love of medicine and horticulture. She started studying Horticultural Therapy at Temple Ambler. She found in a 2008-2010 American Community Survey that 62% of people over age 65 have at least one disability, including hearing, vision, cognition, ambulation, and difficulty living independently. Tina decided that The Hill needed to have a garden that was an integral part of the institution's healthcare program. The Special Needs Garden will be a beautiful outdoor environment, as well as a place that can be safely used and enjoyed by all of the residents. I remember in our guide training sessions, we were told that a pleasant view of nature, even through a window, can have a positive effect on recovery from an illness.

Tina completed the course at age 80! When asked what advice she would give to someone thinking they are too old to pursue a new dream, she encourages everyone to explore and find new interests. Now, that is great inspiration for all of us.

Happy Gardening,
Jody Sprague
Chair of the Guides
Continuing Education

Volunteers who have worked over 30 hours during the past year may take classes at a discounted price. Please refer to the Volunteer Price Spreadsheet in the Education Office for a complete list of volunteer class pricing. To sign up for a class please call 215-247-5777 ext. 125.

Flowers 101: Simple, Easy, Spectacular Arrangements
Cheryl Wilks, Floral Educator, Florist and Owner of Flowers on Location
March 21 at 10:00 a.m.
Spend a day at the Arboretum working with beautiful fresh flowers. You will design two arrangements as you learn easy tricks for creating centerpieces, corsages, and boutineers.
Volunteer price: $65

Whimsical Fairy Garden Workshop
Cheryl Wilks, Floral Educator, Florist and Owner of Flowers on Location
March 18 at 1:30 p.m.
Working with plants and flowers to make a personalized miniature indoor garden is a wonderful way to nurture your creative right brain and cure the winter blues.
Volunteer price: $55

Birding at the Arboretum: A Local Hotspot (Session 1)
Ruth Pfeffer, Expert Birder and Trip Leader
March 25 at 8:00 a.m.
Join Ruth and explore some of the hotspots for birds at the Morris Arboretum. We will visit the Arboretum’s natural areas including wetlands, meadows, and the woodlands along the Wissahickon Creek.
Volunteer price: $13

Butterfly Basics: Enhancing Your Home Pollinator Garden
Kris Soffa, Pennsylvania Master Naturalist
March 28 at 7:00 p.m.
Learn fascinating facts about these dazzling pollinators and how to attract more butterflies to your home garden. You will learn about butterfly biology, behavior, mimicry, and how to raise butterflies at home. Volunteer price: $13
Volunteer Opportunities

Arbor Week Sign-Ups
Share your love and knowledge of trees with children during our annual Arbor Week Program. Sign up via the Team Up calendar, and feel free to sign up for more than one slot!

**Monday, April 24th - Friday, April 28th**

Cherry Blossom Tour Training
Tony Aiello will lead a training session focusing on our prized flowering cherry trees. We are planning to run pop-up tours of the flowering cherries, the dates of which will be completely weather dependent. We will schedule a training session on either **March 22 at 11am or March 29 at 10am**, depending on when the cherries flower. Volunteers will receive an e-mail about the final date, so stay tuned!

Tu B’Shevat Photos
Thank you to our education volunteers for helping to put on another great Tu B’Shevat program!
Announcements

New Guide ‘Kick-Off’ Celebration

The Training Committee will host a ‘Kick-off’ Celebration to congratulate the Education Guide Class of 2017 as they complete the first phase of training and begin their apprenticeship at Morris Arboretum. All current guides are welcome to meet the trainees and join in the celebration.

Thursday, March 30th | 2:15 pm | Upper Gallery

Grand Opening of Morris Arboretum in Motion: The Kinetic Wind Sculptures of Lyman Whitaker

A new 2017 exhibit, Morris Arboretum in Motion, will feature wind sculptures by renowned artist, Lyman Whitaker. Visitors will have the chance to experience 40 copper and steel sculptures—ranging in height from 5-20 feet—throughout the garden. On April 1, meet and observe Lyman as he demonstrates how he creates and assembles his dynamic and beautiful sculptures. The main groupings will be in the Azalea Meadow, Sculpture Garden, and English Park.

Saturday, April 1st | 1-3:00 pm | Sculpture Garden

photo from whitakerstudio.com
Intern Project Presentations

This March, the 2016-17 Intern class will present their projects to the public. Come listen to what they have been working on this year! Wednesday, March 15, 22 & 29 from 12:30-2:30 in the Upper Gallery.

Wednesday, March 15

Evaluation and Assessment of Rose Health in the Rose Garden
Tess Adgie, The Charles S. Holman Endowed Rose and Flower Garden Intern
Tess will give an evaluation and assessment of rose health in the Rose Garden. She hopes to identify and potentially replace sub-par rose cultivars, and to create a short-term action plan to help manage prominent pests and diseases in the Rose Garden.

Biology and Management of Viburnum Leaf Beetle
Anna Giesmann, The John J. Willaman & Martha Haas Valentine Endowed Plant Protection Intern
The viburnum leaf beetle (Pyrrhalta viburni) has already devastated populations of viburnum across New York State, and has started to move into our region. This project will summarize the pest’s behavior and life cycle, describe its current distribution, and suggest a management plan for VLB at the Morris Arboretum.

Review of the Morris Arboretum Magnolia Collection
Jehane Samaha, The Martha J. Wallace Endowed Plant Propagation Intern
Jehane is evaluating the Morris Arboretum magnolia collection. She will provide an assessment of the collection’s health and a report on which magnolia species and cultivars may be valuable future additions to the collection.
Intern Project Presentations

Wednesday, March 22

Paper Mill Run Riparian Zone Management Plan and Partial Restoration
Kevin Brown, The Walter W. Root Endowed Arborist Intern
Kevin is working on a riparian zone restoration of a portion of Paper Mill Run that is severely lacking in riparian buffer zone. He will begin restoring it with new plantings, and will develop a management plan for the entire area to be carried out in stages over the coming years. This will increase the riparian buffer and make the area more appealing to the public with the inclusion of better walking paths, benches, and intentional views.

Interpretation in the Natural Areas: Enhancing the Visitor Experience
Alex Correia-Sareyka, The McLean Contributionship Endowed Education Intern
Alex is updating the weathered signs in the wetland with new, beautifully designed panels. Additionally, she will be creating signs for the newly installed deer fencing that tell visitors how to use the gates and the purpose of deer exclosures.

Evaluation and Recommendations for a Portion of the East Brook
From the Log Cabin bridge to the Wissahickon, Erin is identifying specific areas along the East Brook for future erosion management. Additionally, areas along the brook are being improved by removal of invasive species and weeds, with hopes to add native plantings.

Wednesday, March 29

Rain Garden Redesign
Bess Trout, The Hay Honey Farm Endowed Natural Lands Intern
Bess is redesigning two of the rain gardens on the Bloomfield Farm property. Her intention is to create functional, low maintenance, and beautiful gardens that collect and filter rain water during storm events.

Using a Reference Plastome to Determine Chloroplast and Gene Structure in the Wax Plants and Near Relatives (Marsdenieae, Apocynaceae)
Trista Crook, The Eli Kirk Price Endowed Flora of PA Intern
The goal of Trista's project is to determine the structure of the chloroplast genome of plants in a tribe of the dogbane (aka milkweed) family. This information provides the baseline data for determining evolutionary relationships among these species. Ultimately, these relationships can help scientists classify these plants, thereby guiding conservation decisions.
Six-Legged Friends
by Anna Giesmann, The John J. Willaman & Martha Haas Valentine Endowed Plant Protection Intern

The approach of spring fills us with anticipation of growth in the garden, but for some gardeners it can also bring apprehension of returning insect pests. Of course, bug lovers might point out that this or that critter “is actually harmless!” But, did you know that many of the insects emerging this month are actually helpful? Predatory insects help keep plant-feeding pests under control, and for this reason they are considered beneficial.

After overwintering in leaf litter or bark crevices, beneficial insects come out of dormancy as the weather warms up. Already this season, I’ve spotted a twice-stabbed lady beetle, a firefly larva, and several green lacewing larvae. It took a while to identify the lacewings crawling over the tree, because they had camouflaged themselves with lichen fragments! Lacewings are one of our most voracious garden allies, as both larvae and adults feed on mealybugs, thrips, spider mites, and more. They have also earned the alternate name of “aphid lion,” in reference to their favorite snack.

Other beneficial insects in the region include the praying mantis, minute pirate bug, and parasitic wasps. As new buds and bugs appear in your garden this spring, take a second look before getting out the spray bottle. Conserving these six-legged friends can be an eco-friendly and easy way to contribute to garden health.

Pictured above: lacewing larvae camouflaged under lichen fragments. Photo courtesy of Anna Giesmann
When John Morris charged Lydia’s travel companion, Louise Kellner, with detailed documentation of each day’s events, little did he know that these tidbits, from their time in Switzerland and Venice, would reveal to us, more than 100 years later, one of his endearing quirks.

June 1895
It was a fortunate thing that we arrived at the Station much ahead of time, so we could send the porter back to the Hotel for some of Mr. Morris’s garments, which he had left under his pillow.

June 1895
We were soon settled at the Grand Hotel, where Mr. Morris made the unpleasant discovery that he had left his check-book behind at Semmering in the Reading-room most likely, for which we at once telegraphed.

Juli [sic] 1895 …we all preferred to walk down the Mountain to the Station at the village of Zermatt… In the midst of our walk we were overtaken by a real good shower of rain, we were provided with ulsters and umbrellas, but it was very unpleasant, and finally we even had to hurry so as not to be late… When we were about half down the mountain we made the discovery that Mr. Morris’s Camera had been left behind, and his travelling cap too. Fortunately we met a man, who was willing to go back for these two articles and bring them to us to the Station, which he really managed to do though he came at the last minute just before we started.

Juli [sic] 1895 …we took Luncheon together, and then went over the Grand Canal for the last time to the Station, where we took at two o’clock the train for Milano, and a very hot ride it was! Miss Morris’s feather boa by some mysteriouis [sic] way had fallen out of the trunk, which was brought to her just as we were ready to start, and Mr. Morris delighted at the thought that this time it had not been he who had forgotten something!
Garden Highlights

*Eranthis hyemalis*
winter aconite
Out On A Limb

*Galanthus*
snowdrops
Out On A Limb

*Hamamelis x intermedia* ‘Rubin’
Rubin witchhazel
near Garden Railway

*Cornus officinalis*
Japanese cornel dogwood
Log Cabin

*Adonis amurensis*
adonis
Dawn Redwood Grove

*Helleborus orientalis*
lenten rose
Out On A Limb
## Upcoming Events

### March 2017

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Guides Council Meeting 11am-1pm</td>
<td></td>
<td>Witchhazel Walk 2-3pm</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Education Committee Meeting 1-2:30pm</td>
<td></td>
<td>Witchhazel Walk 2-3pm</td>
</tr>
<tr>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Intern Presentations 12:30-2:30pm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Intern Presentations 12:30-2:30pm</td>
<td>Training Committee Meeting 12pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Intern Presentations 12:30-2:30pm</td>
<td>New Guide Kick-Off Celebration 2:15pm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Weekly Volunteer Events

- **Wednesdays**: Horticulture Volunteers 8:30am-12pm
- **Saturdays and Sundays**: Regular Tour 2:00pm-3:00pm
- **Saturdays**: Winter Wellness Walks 10:30am
## Upcoming Events

### April 2017

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Guides Council Meeting 1:30-3pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Guides Council Meeting 1:30-3pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Workshop: Trip to UK 10:30am-12pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Education Committee Mtg 1-2:30pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Arbor Week 10am-12:45pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Arbor Week 10am-12:45pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Arbor Week 10am-12:45pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Arbor Week 10am-12:45pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Arbor Week 10am-12:45pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Arbor Week 10am-12:45pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Arbor Week 10am-12:45pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Arbor Week 10am-12:45pm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Weekly Volunteer Events

**Wednesdays:** Horticulture Volunteers 8:30am-12pm  
**Saturdays and Sundays:** Regular Tour 2:00pm-3:00pm