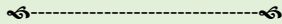




WELCOME

The trails await you!
Open daylight hours.
Dogs on leashes are welcome!



Visitor Center Hours

631 Park Street
Dallas, Oregon

The building is open from
9 am – Noon, Tuesdays
March – November

Volunteers Wanted

Tuesday mornings starting
at 9 am. No experience is
needed ~ tools are provided.

Contact Information

PO Box 604
Dallas, OR 97338
Message phone: 503 623-7359
(phone messages are checked weekly)
hunterarboretum@outlook.com

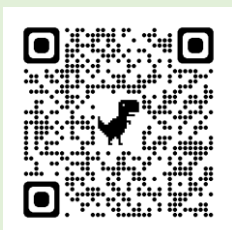
Website

www.delberthunterarboretum.org

Visit Us on Facebook

www.facebook.com/DelbertHunterArboretumandBotanicGarden

We are a 501(c)3 Non-profit Org



Delbert Hunter Arboretum & Botanic Garden

Volume 32 - No. 2

Fall, 2024



The Story of Emma's Bridge

This year, 2024, marks the 20th anniversary of the completion of the large bridge over the Creek Trail in the arboretum. We fondly refer to it as “Emma’s Bridge”, and therein lies a tale.

The original arboretum comprised approximately three, mostly wooded acres, (south of the arboretum's center along Rickreall Creek). In 2003, the city of Dallas offered

the arboretum was invited by the city to take responsibility for approximately four more adjoining acres, to the west along the creek. After some discussion, the Friends of Arboretum agreed. There was just one problem: the south border of the property was a nearly vertical 12 foot drop-off down to the creek. The wire fence that was there was falling down, also heading for the creek.

Working with the city, Rickreall Watershed Council, Polk SWCD and other partners, we created a plan to remove the fence, modify the slope, and plant the bank with native plants. We also installed the artificial logjams which improved fish passage. We needed to connect the new part of the arboretum with the old, via the creek trail. One requirement of our plan was that we could not raise the calculated 100 year flood level with our work. This requirement led to breaching the pathway to allow part of the creek flow at high water to go through the arboretum. This helps preserve the banks on both sides of the creek during seasonal flooding. You can see the level of the water from the 2007 flood on the sign in the Flume Trail. So, rather than leaving a steep dip in the Creek Trail, we decided to bridge the breach.

Emma Kirk, of Kirk Design and Construction, was our chosen contractor. She and her husband, Joel, did all the work, without the use of heavy equipment. Have a look at the heavy beams supporting the bridge; that’s

a lot of heavy lifting! They completed the project on time, and on budget. We were pleased with the quality and speed of her work, and with the opportunity to support a woman in the construction industry. It's been "Emma's Bridge" ever since.

In this 20th anniversary year of its construction, we finally had to do some repairs to the bridge. No wood lasts forever when exposed to the elements. This year, instead of prepping and staining the bridge ourselves, we hired the work done. It was expensive, and the bridge still needs another coat of stain before the rains set in, but with the repairs to the bridge posts and refreshed protection from the elements, with luck, Emma's Bridge will last another 20 years!

Submitted by Dale Derouin

Guided Tours of Delbert Hunter Arboretum

If you have a group interested in a free tour of the Delbert Hunter Arboretum, please contact us to make arrangements. Msg ph.: 503 623-7359 / hunterarboretum@outlook.com



SPOOKY FUN ~ GLOW RUN



We've cleaned up our trails and trimmed over-hanging branches in anticipation of the Glow Run participants coming through the arboretum, in the dark, with glow sticks, on Saturday, OCT 12, starting at 7 PM.

This is a fun event for the whole family. If you don't run, you can walk, the more people, the more fun!

Details and registration: www.facebook.com/events/532176989335052

Polk Soil & Water Conservation District Fall Plant Sale Has Moved!

SWCD's Fall Plant Sale is moving to Hamblin's Nursery (4550 Kings Valley Hwy in Dallas) this fall instead of having it at the arboretum. We will host a sale in the spring, but they simply have too many plants this time for us to accommodate! This is going to be a huge sale!

You'll find excellent prices on 74 species of native seeds, grasses, perennials, bulbs, shrubs and trees. "You can pre-order online now and pick up in-person on October 11th or 12th. Or you can come then to purchase your plants in-person (accepting cash, cards and checks). 1,600 plants will be available at the nursery for those that missed the pre-sale or prefer purchasing their plants in-person." ~ Polk SWCD

When: Friday, Oct. 11th, 9 am to 4 pm / Saturday, Oct 12th, 9 am to Noon

Plant sale webpages: <https://www.polkswcd.com/plant-sale-299799.html>



Which Native Birds Rely On Which Native Plants?

This information can be tricky to find! One of our volunteers, Pam, a lover of both native plants and native birds discovered a useful website that charts the information in a user friendly manner.

Check it out: <https://www.boskydellnatives.com/birdstest.htm>



Time to Clean Your Bird Houses

The ideal time to clean bird houses is mid to late autumn. Check for any wasps before sticking your hand in the box. Remove used nesting materials, brush away solid debris, and use a weak solution of bleach in water to sanitize floor, sides, ceiling, and any cracks that may harbor insect pests. Dry thoroughly. ~ *by Bj Merriman*



Lunaria



Phlox



Dame's Rocket

Which of these similar-flowered plants are on the invasive species list?

Yes, No, Maybe....?

-  Dames Rocket (*Hesperis matronalis*)
-  Money Plant (*Lunaria annua*)
-  Phlox (*Phlox paniculata*)

If you said 'Yes' to Dames Rocket, you're right. This invader spreads rapidly into the wild and farmland. It blooms later in the summer than the others. It has smooth leaves, and four-petaled flowers. The seed pods are upright and resemble skinny, pea pods. The plant is related to mustard and is a biennial, so you won't see the flowers the first year of growth.

Which of the above plants is native to the Pacific Northwest?

If you answered Phlox paniculata, you're right again! This native beauty is distinguishable from the others by its hairy stems and leaves and five-petaled flowers. You can remember 5 petals because phlox has 5 letters. Phlox is perennial.

Maybe? That leaves our beloved Lunaria. Appreciated for its spring blooms and its coin shaped seed pods. This plant spreads quickly by seed, but it is an annual, so it's easy to keep in check. Simply mow the plants before they go to seed. Often found on roadsides, this annual is drought tolerant.

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## Strong Hands and a Willing Heart ~ Volunteer in the Spotlight ~ Garrett Lenning

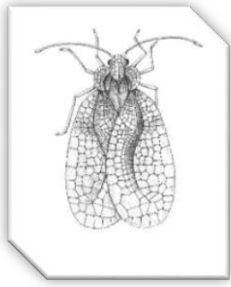
Garrett is one of those rare volunteers with a wide set of abilities. He steps up to the rescue, eagerly helping with even the most challenging tasks. Whether it's building, repairing, pruning, or operating heavy equipment, Garrett has the experience and know-how. He sets a pace few can match, but he inspires others with his enthusiasm and good humor. People don't say it often enough, when credit is due, and we truly appreciate all the time Garrett has to offer.

In recognition and gratitude of all our volunteers, the Friends of the Arboretum would like to extend a special warm thank you to Garrett for his hard work and his willing heart.

"As you grow older, you discover that you have two hands:  
One for helping yourself, the other for helping others"  
~ Audrey Hepburn







## Lace Bugs Attack Azaleas and Rhododendrons

*Stephanitis pyrioides* and *Stephanitis rhododendri*

by Sue Rohde, Curator, Delbert Hunter Arboretum

I love azaleas and rhododendrons. I have many varieties of each in my yard, planted by my dad 50-60 years ago. We also have many in the arboretum, so I want to try to eliminate the Lace Bug problem as soon as possible. If you do not care about these plants, you can dig them up and eliminate the problem, however other plants, such as Walnut trees, are also possible hosts. Fortunately, there are controls for these pests.

Azalea lace bug was confirmed in 2009 in Oregon, but they did not become a problem until 2012 when discovered in Portland. Lace bugs suck chlorophyll out of leaves, impairing the plant's ability to make nutrients from sunlight. Damage from adult azalea lace bugs makes leaves look stippled with yellow or white on top, with black or brown spots (bug poo) on the underside of leaves. Multiple generations of lace bug can exist on one leaf, and each can lay 300 eggs, at the rate of five to seven eggs per day.

Rhododendron lace bugs, *Stephanitis rhododendri*, are basically like the Azalea lace bug. They look very similar and the life cycles are the same. Treatment is also the same. Begin treatment when nymphs are visible. Start looking for them in early May on the undersides of leaves. Nymphs are up to 1/4" long and translucent with bits of yellow-green. If you're having trouble seeing them, hold leaves up to a light and look for nymph shadows.

**Chemical-Free Options:** Methods include removing pests' food source (prune off the affected areas and leaves), and using beneficial organisms. Starting with the least toxic method possible, in this case, would be to use your hose and wash the lace bugs off. The adults are fairly easy to wash off. The eggs and larva are more difficult.



### The Eggs

Eggs are laid along the midrib, inside the leaves (so spraying with dormant oils will not kill eggs). Eggs typically begin hatching in early-mid May and hatch over a long period of time. A second generation hatches around late June, early-July.

### Treating the Nymphs and Adults

Treatment during the nymph stage is most effective. They are tiny and wings are transparent. Adults do 12 times the damage of nymphs. They insert a proboscis into pores of leaves and suck out the chlorophyll, which is what turns affected leaves white or yellow. Treating after you notice damage (once adult lace bugs are active) will not repair the stippled appearance of the leaves. Insecticides will help control lace bugs, but may also harm beneficial insects. Organic and naturally occurring insecticides must have direct contact with insects to be effective.

Nymphs live on the underside of leaves, so use a hose-end or pump sprayer and make sure to coat the undersides of all leaves. To be effective, these products will require reapplication several times during hatching season. Always follow all directions on the package.

**Oil** - while dormant oil does not control eggs, spraying nymphs and adults with horticultural oil is effective.

**Insecticidal Soap** - Works for nymph and adult stages.

### Chemical Alternative:

Pyrethrin spray is effective but is toxic to beneficial insects and also can be harmful to pets and humans. Use should be limited. Apply to non-blooming plants in early morning or evening when air is still and bees are not present. Keep pets indoors until treated areas and the ground around them have dried. Wear long sleeves, gloves, protective goggles, and a dust mask during application. Never apply in an enclosed space.

Here are some "bug-resistant" varieties of Azaleas and Rhodies, but remember, resistant does not equal "bug-proof".

Standards: Elsie Lee, Flame Creeper, Delaware Valley White, Gumpo White, Hino Crimson, Macrantha, Red Wing, and Rosebud

Encore Azaleas: Autumn Amethyst, Autumn Royalty, Autumn Twist, Autumn Sangria, Autumn Cheer, Autumn Rouge



### Resources:

<https://www.portlandnursery.com/garden-pests/azalea-lace-bug>

<https://hgic.clemson.edu/azalea-lace-bugs/>

<https://extension.oregonstate.edu/catalog/pub/em9066-s>

## Donations to the Arboretum

As a non-profit organization, we only do 'donation drives' twice per year when our newsletters are published. It's been a very slow year! Won't you please consider making a donation today? Thank you so much!



### *Friends of the Delbert Hunter Arboretum and Botanic Garden – Donation Form*

Non-Profit Organization 501(c)3 Taxpayer ID # 93-0843369

**All maintenance is done by volunteers and all of our funding comes from donations.**

**Your tax deductible donation sustains us!**

***For your convenience, use the QR code to donate. Or fill out and return the form below:***

☐ Please accept my donation of \$ \_\_\_\_\_ for daily expenses of running the arboretum

☐ Please accept my donation of \$ \_\_\_\_\_ to the Trust Fund – our nest egg for the future

☐ Please accept my donation of \$ \_\_\_\_\_ as a memorial. Contact us if special arrangements.

We check voice mail weekly: 503 623-7359

Email daily: [hunterarboretum@outlook.com](mailto:hunterarboretum@outlook.com)

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**Make Checks Payable to: Delbert Hunter Arboretum**

**Mail to:** Delbert Hunter Arboretum  
PO Box 604  
Dallas, OR 97338-0604

[www.delberthunterarboretum.org](http://www.delberthunterarboretum.org)



## How We Use Our Trust Fund

Every donation we receive is spent in the way the donor intended, which is why our donation form has several options. Most donors help by contributing to our daily operations fund, which pays for materials, tools, trail dressing, arborist care, and many other maintenance related necessities. While we always need this type of donation, another important option is contributing to the trust fund. We do not use the principal but use the interest to supplement our daily operations. The beauty of the trust fund is that the Dallas Community

Foundation offers sponsorships and other benefits to the community. So, in a way, donating to the Trust Fund also contributes to our community. Won't you please consider donating part of your contribution to the Trust Fund and help maintain our nest egg for the future, and for the community?

Non-profit orgs lose donors when times are tough; we tend to become less of a priority, understandably. If everyone reading this newsletter could chip in the cost of a cup of coffee, we'd make it through to our next budget cycle.



Please consider a tax deductible contribution today.

To donate online please follow the QR code or visit our website:

<http://www.delberthunterarboretum.org/>

*Thank You So Much!*



## Our First Autumn Photo Contest!

This time, instead of Spring, we're having a Fall photo contest!

**Theme:** "Favorite Things at the Arboretum"

**Placings:** 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, and an Honorable Mention

Winners will have their photos printed in our Spring Newsletter, and posted on our Facebook page and our website.



**Rules:** Contestants may enter up to 3 photos each.

The contest begins Oct. 1<sup>st</sup>, 2024 and ends on New Year's Day, 2025!

DHA Board Members will be the contest judges, and winners will be notified by email



Email your photos to: [hunterarboretum@outlook.com](mailto:hunterarboretum@outlook.com)

We can't wait to see your photos!