

Tree Time



THE MOUNT PISGAH ARBORETUM QUARTERLY NEWSLETTER

Appreciating *Sarcodon imbricatus*, Hawk's wing

by Susie Holmes, Lane Community College & Cascade Mycological Society

Sarcodon imbricatus, commonly known as Hawk's wing or Scaly hedgehog, is a toothed fungus that is an exciting find when in fruit during the early fall season. Its large, light-brownish caps may exceed one foot in diameter and the upper surface is adorned with notches in the tissue that lend a shingled appearance. The cap's upper surface contrasts strikingly with its lower, spore-bearing surface of greyish-tan teeth that are soft to the touch. This charismatic mushroom species may be found locally at higher elevations with true fir in the Cascades or associated with spruce in the Coastal Mountain range. Its distribution extends farther afield through the Rocky Mountains, across temperate regions of North America, and across Europe.

Local populations of *S. imbricatus* are reportedly bitter tasting, however, populations from the Rockies are commonly sought as edibles. Fiber dye artists extract shades of taupe and grey from its water-soluble pigments using varied dye bath treatments. Close relatives of Hawk's wing may transfer rich blue-green pigments into natural fibers under alkaline conditions. Regardless of subtle differences in chemistry and overlapping resemblance of closely related species, Hawk's wing was conspicuous enough to be recognized as a distinct species and was first named in 1753 by Carl Linnaeus in his famous *Species Plantarum*. He described it as *Hydnum imbricatum*, under a genus name assigned to all toothed mushrooms at the time. Before settling on *S. imbricatus*, this species had twenty different names (synonyms) over the centuries due to shifts in understanding of evolutionary relationships and the process of naming organisms.

When assigning a scientific name, it is important to do so based on true ancestral relatedness, rather than simply appearance. This process may take time because taxonomists must sort through all evidence to make accurate decisions. These days we can rely on molecular techniques such as DNA comparisons to help further our understanding of what defines a species, what group it belongs with, and what to accurately call it. For a mushroom species, assignment of an accurate name requires detailed descriptions of

both microscopic and macroscopic features, as well as genetic sequencing and comparisons with close relatives.

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Mycologists are still working to document all of the wonderful fungal diversity here in the Pacific Northwest and local efforts are gaining traction with the Macrofungi of Lane County Oregon (MLCO) Project sponsored by the Cascade Mycological Society (CMS) under the North American Mycoflora Project (NAMP). The project is well into its first year and we are collaborating statewide to make progress in our efforts to document and sequence the diversity of local macrofungal species. This fall, CMS members and students in the mushroom biology class at Lane Community College (LCC) will work as citizen scientists to assist in this endeavor. To learn how you can participate, visit cascademyco.org/MLCO.

LCC students also will work with experts and volunteers from CMS to prepare another fabulous display of mushrooms for our community to enjoy at this year's festival. You are sure to see Hawk's wing among the hundreds of species on display! Plan to bring any mushrooms you need identified. Our all-star cast of experts includes agaric taxonomist Else Vellinga, and renowned book authors Noah Siegel and Steve Trudell will be available to sign their popular mushroom field guides. 

Education Report

by Jenny Laxton, Education Manager



Discovery Tours, Sep. 2019

This summer it seemed like word had gotten out that we can provide guided nature walks for groups. We led many walks this summer for groups of all ages. The summer is a great time to come check out the Arboretum, and we enjoy being able to provide guided walks for local community groups. We were also happy to once again host Whole Earth Nature School, and Nearby Nature summer day camps.

With the fall, our Discovery Tours field trip program has started up again. Our new volunteer guides are trained and excited to be leading walks with the kids. We're out on the trails weekday mornings with school groups through the beginning of November.



Discovery Tours, Sep. 2019

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Mount Pisgah Arboretum is a nonprofit organization with a mission to engage people with nature through interactive learning and stewardship.

Facilities include miles of riverside and forest trails, picnic areas and a pavilion for events. We host outdoor programs to foster appreciation of the natural world.

Thank you for being a supporter!



Join us at the
Mushroom Festival
 on October 27th for
 live music, food and fun!

Music Lineup

| | |
|-----------------------------|------------------|
| 10 AM The Hummingbirds | 1 PM Satori Bob |
| Girls Choir & Singing Heart | 2 PM Hot July |
| 11 AM Petri Dish | 3 PM Muddy Souls |
| 12 PM Gossamer Strings | 4 PM Flow Resale |

BRING YOUR QUART-SIZED GLASS JARS TO US!

(To be sanitized & used in our Cider Booth. Drop off on our office front porch, day or night by Oct. 21.)

Fresh-pressed Cider



BAKERS & VOLUNTEERS!

The Mushroom Festival Needs YOU

The Mushroom Festival is the Arboretum's biggest fundraiser of the year and a fantastic community event - we need your help to make it a success.

Volunteers, we could use your help! We still have shifts to fill. Sign up using the link on our Mushroom Festival page at mountpisgaharboretum.org

Baked Goods: Arboretum supporters are encouraged to bring sweet or savory treats to be sold at our Bake Sale Booth. Every dollar we make from sales will support native habitat stewardship and educational opportunities for kids, families, and adults. Drop off baked goods at the Arboretum on Oct. 26 & 27. On the morning of our festival, bring goods directly to our Bake Sale Booth. Please include your name, an ingredients card & a list of allergens; such as: nuts, wheat and milk (*for a complete list, go to the FDA's website*). Please, no baked goods requiring refrigeration.

If you have questions, contact us at: office@MountPisgahArboretum.org or 541-747-3817

Face Painting in the Kids' Booth!



SCARECROW & PUMPKIN WORKSHOP

When: Sunday, Oct. 20
Time: 1 - 3 PM
Where: White Oak Pavilion
Cost: \$5 per pumpkin or scarecrow
No registration necessary

Build a scarecrow and/or carve a pumpkin! Scarecrows can be entered in the Fantastical Scarecrow Contest at the Mushroom Festival. Pants, shirts (may bring own), straw & pumpkins provided.



Withering Fate

by Jason Spear, Site Assistant



*A camas spire stands, withering with growth.
Beyond the summer solstice, many last.
The passing and going, a sworn in oath
Once beautiful, purples and blues so vast.*

*Long days become short, the leaves are turning.
The last camas skeleton now decayed
Fiery reds, yellows, oranges burning.
The seasons changing, the cycle obeyed.*

*Downpour, saturating the sunbaked soil.
Arrested, bulbs lie patiently waiting,
The ground cold, laden in Icy toil.
Through the winter solstice, spring is baiting.*

*Now thawed, Camas leaves rupture the substrate,
Camas spires stand, a continued fate.*

Site Report

article & photos by Tom LoCascio, Site Manager

Cooler temps, ample sun and a good splash of rain made for a mild summer season and a heavy seed set in many areas of the valley. Fat acorns are falling now. Returning at dusk, deer follow old paths to feed beneath the white oaks. Chokecherries are a blaze, feeding Cedar Waxwings with plenty.

It looks like a bobcat has taken up residence along the riverbank and front entrance areas (with several sightings these past few months). Arboretum Site Assistant Jason Spear and I were fortunate to see it run through my yard. California ground squirrel and pocket gopher populations are plentiful in these areas, and I suspect, a tasty meal for this new neighbor.

Milder weather made for good times working outdoors on site! Board President Tim King kept busy mowing the meadowlands while enjoying the smooth operation of our new flail mower. Many Arboretum trails are looking better than ever thanks to Board Member Anne Forrestel, who with help from the Mavens (a weekly volunteer group Anne started last Spring), are doing an amazing job of keeping trails and trailside vegetation groomed while tending to some of the more populated native wildflower areas.

Blackberries took a big hit thanks to Toki Nakae, who was hired as a seasonal site aide. Toki did a great job cutting unwanted vegetation with a power brush cutter while helping Jason and I with repairs to infrastructure.

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He was a delight to work with, and we wish him the best as he enters into his first year at the University of Oregon Physics Program. Glen Fredette, a high school student, was also a big help this summer. Glen volunteered ten hours per week throughout the season, helping with site tasks while acquiring community service hours for school credit.



The Quest Camp

More Good Times: The Quest Camp, organized by the City of Eugene, had a dozen teens with developmental disabilities out for the morning on August 22nd to resurface a portion of the Creek Trail. These teens were a joy to work with and did a great job.



Toki Nakae

Little Hands Can (littlehandscan.org), a parent and children's group for families with kids ages five years to teens, provided 30 helpers September 7th to help with weeding the front entrance landscape. It turns out that little children, being closer to the ground, are superb at weeding!



Little Hands Can



Harold Shyburg bench

Other Bits: The Oak Savanna Exhibit, our fourth interpretive node, was completed this summer. Kudos to Interpretive Coordinator August Jackson for developing the lion's share of the text and his part in overseeing this installation with Sea Reach, Ltd., our design and build consultants.

Also, there is a new bench made from California black oak, along the Jette Trail in honor of Ian Strgar. Thanks to Daniel Shultz for the building and installation of this nice bench. There is another beautiful new bench built by Dave Lemmon on the west side of the Adkison Bridge. This bench honors long time trail docent, Harold Shyburg.

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The old-growth tree round exhibit, which was originally built by founding member Theodore Palmer, received a much needed renovation. There is also new fencing along the Tom McCall Riverbank Trail now and Board Member Rich Kelly has recently cleared much of the remaining excess windfalls that fell during last year's snow storm. This area is looking so much better!

Looking to the Future: There are several footbridges scheduled for repairs and the blackberries are always in need of tending. The Hillside Trail needs a major rebuild and there is a huge pile of wood mulch beckoning to be spread on trails throughout the site.

A Testament to This Place and to All Those Who are Part of its Creation and Care: After 38 years of living and toiling here, it's a blessing to be a part of supporting and caring for the Arboretum with all of you. If you or your group wants to help at the site, I'd love to talk with you. 🌰



UPCOMING EVENTS



All events are held at the Arboretum unless otherwise noted.

Acorn Harvesting Workshop - Saturday, October 12, 10 AM - 4 PM

Have you ever wanted to try eating acorns? In this workshop with Heron Brae, instructor at the Columbian School of Botanical Studies, we will explore the role of oaks in the more-than-human world around us, the botany and identification of oaks, and also how human needs can be met when we help take care of the oaks. We will practice hands-on techniques using manual and electric methods of processing, with the goal of making this traditional food accessible to you. Meet at the Education Bldg. Bring a lunch, bowl and utensils, pad and pen, and mortar and pestle (optional). Members \$50, Non-members \$60. Remember your parking pass. Pre-registration required. To register call 541-747-3817 or go to: <http://www.mountpisgaharboretum.com/workshop-registration>

Bird Walk - Sunday, October 13, 8 - 11 AM

Join Julia Siporin and Joni Dawning for another monthly bird walk intended for people with all levels of birding experience. We'll use vocalizations, habitat, and behavior clues for identification of our spring migrants and year-round residents. Come discover the Arboretum's avian diversity. Please bring binoculars. Option to continue the walk until noon for those who are interested. Rain or shine. Meet at the Education Bldg. & remember your parking pass. \$5/members FREE.

More Bird Walks with Julia Siporin & Joni Dawning are scheduled for November 10 and December 8.

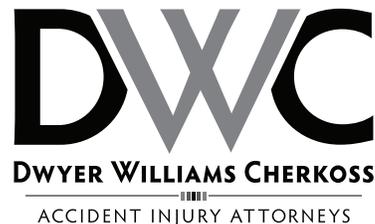
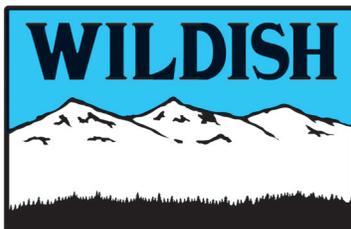
Scarecrow Building & Pumpkin Carving Workshop - Sunday, October 20, 1 - 3 PM *See details on page 3 of this newsletter.*

Mushroom Festival 2019 - Sunday, October 27, 10 AM - 5 PM *See details on page 3 of this newsletter.*

Play in the Rain Day - Saturday, November 9, 10 AM - 3 PM

Features: tree climbing, foam archery, hayrides, campfire cooking, and more! This fun, all-ages family event is put on by the Youth in Nature Partnership. Discover how fun, easy, and rewarding it is to spend time outdoors in nature—in ALL kinds of weather. FREE!

More events can be found at:
www.mountpisgaharboretum.org/festivals-events/



Contributions

July 11, 2019 to Sep. 16, 2019

Are you a Lifetime Member who doesn't need your annual parking pass? If so, send us an email or give us a call by December 31st and we'll make sure your pass for 2020 goes to a deserving family!

New Members

| | | | | |
|------------------------------------|----------------------------|--------------------|------------------|---------------------------|
| Angela Ruiz | Colleen Brainerd | Jennifer Biglan | Michael Wilson | Sarah Marvin |
| Ani Kame'enui | Colleen Sheridan | Jennifer Laugheed | Michele Barber | Sarah Subias |
| Anna Scott | Danielle Deluise | Jennifer Meyer | Molly Gage | Sarah Yapp |
| Annette Chihorek | David Kemp | Jessica O'Reilly | Monica Green | Shannon Evans |
| Aparna Rajagopal-Durbin | Dena Zaldua | Julie Conner | Nathan Gustafson | Shannon Harty |
| Ashley Hawthorne | Derek Yergler | Justin Thaxton | Nicola Jannelli | Shannon Turner |
| Brenda Bianchi | Don Colgan | Karen Rengifo | Nicole Lillegard | Smyrna Leventhal |
| Brenda Ormesher | Dyana Mason | Kathryn Snell-Ryan | Patrick Fallon | Steve Dwight |
| Brendan O'Donnell | Dylan West | Katie Amondson | Rachel Anderson | Susan Jurasz |
| Carly Ferguson & Asher McClennahan | Eva Edleson | Kerry Tedesco | Rachel Morris | Susan Weaver |
| Carolyn Boustead | Gary Nance | Kris Hallenby | Rachel Wheeler | Sylvia Barry |
| Cate Huang | Gregory Gill | Krista Raasch | Rainey Byrd | Tate Kelley |
| Chris Blum | Jan & Roy Dwyer | Lindsay Purdie | Robine Mathison | Therese Bauer & Lynn Lary |
| Christine Moats | Janice Stanger | Mark Newson | Robin Winfree | Windy Mentzer |
| Christine Thompson | Jeffery Weil | Mary Arpara | Rosa Lopez | Yvonne Bradford |
| | Jennifer & Anthony Nichols | Matthew Beaudet | Sarah Brinkman | |
| | | Meridith Turnbull | Sarah Cassell | |

General Contributions & Gift Memberships

Angela Montoya
 Bill & Beki Montgomery
 Brendan & Lisa Bohannon
 Christopher Bartos
 Dallas Hemphill
 Dianne Dugaw & Amanda Powell
 Edward Teague
 Faye McMurtry
 Heather Dickerson
 June Smith
 Larson Family Foundation
 Robert J. Cummings
 Sumo Sushi
 Terry Costales
 Trisha & Doug Ferguson

**A special thanks to
 Evergreen Members &
 Renewing Members!**

Commemorations

In Memory of Allan Coons - Nancy Coons
 Susan Wyatt
In Memory of Ian Franc Strgar - Franc & Wendy Strgar
 Good Clean Love
In Memory of Nicholas Goerger - Michelle Solorio
In Memory of Braden Robert Lewis - Ron Saylor & Pam Whyte
In Memory of Sammy Wilbanks - Susan Spehle-Heiberg

Summer Celebration (Sponsored Family Memberships, Discovery Tours/Education, unrestricted)

| | | | |
|--------------------------------|------------------------------|----------------------------------|-----------------------------------|
| Andrea Plesnarski | John Witte | Linda Knight | Tim & Linda King |
| Anne Forrestel | Dottie & James | Liz Kurtz | Tim Blood & Janet Dahlgren |
| August Jackson | Dougher | Mary N. Miller | Tom LoCascio |
| Barbara Cowan & Richard Larson | Edward Teague | Michael Lainoff | Tom Bettman |
| Brett Henry | Ellen Otani | Paul Hoobyar & Gretchen Matsuoka | Ulrike Streicher & Larry Ulibarri |
| Carl Bybee | Jeffrey Morrey & Gail Harris | Penny Jennings | Virginia Donohue |
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| Clayton Gautier & Gail Baker | Julie Daniel | Rebecca McCroskey | |
| Deborah Casey & | Lann & Melody Leslie | Rob Castleberry & Joyce Thomas | |
| | Laurie Trieger | Scott Burgwin | |

Education Program

Sara Snowden
 Stephanie Cannon

Sponsored Family Memberships

Howard Bonnett & Judi Horstmann

Business Members

Emerald Empire Kiwanis, Eugene True Value Hardware, KLCC Landarc Landscaping & Design, Mountain Rose Herbs, Rainscapes Right at Home In-Home Care, Sapient Private Wealth Mgmt. Scherer Investment Co., Sperry Tree Care Co. Sundance Natural Foods, Inc. Triangle Graphics





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Discover your place in nature
Mushroom Festival October 27th!

Yes, I want to support the Arboretum!

Membership Dues

- Student/Senior/Guide \$40
- Individual \$50
- Family \$60
- Sponsor \$75
- Supporting \$100
- Sustaining \$250
- Business \$100-\$1,000 - call!

Sponsor Kids' Nature Field Trips!

Each year, 3,000 school children discover nature on our volunteer led tours. Many schools can no longer afford these field trips and they depend on scholarships from people like you. A \$10 donation to Discovery Tours brings out one child. \$250 can bring out a whole classroom!

Other Contributions

- Sponsor a Family Membership \$60
- Unrestricted _____
- Interpretive Program _____
- Endowment Fund _____
- "In Honor of" or "In Memory of" _____

I want to help children discover nature
 with a gift of \$ _____

Name of person receiving tribute _____

Please mail your membership and/or contributions to:

Mount Pisgah Arboretum
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 All contributions and dues are tax-deductible. IRS #23-7345974

Membership \$ _____ + Donation \$ _____ = Total Contribution \$ _____

Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

Please keep my donation anonymous.