

# Forest Forum

## Washington County Small Woodlands Association

April, 2019

### April WCSWA Meeting

## Creative Use of Timber – A New Era in Building



As a small woodland owner you certainly know how to grow a tree, and probably a pretty big tree too. And you've probably used the wood from your trees in a variety of ways. But do you know what it's like to design with wood as your medium?

Come to our April 23<sup>rd</sup> WCSWA meeting and find out first-hand what it means to design with mass timber. **Kristin Slavin of Path Architecture** has focused her career on Cross Laminated Timber (CLT) and mass timber. She has worked on local projects like The Radiator, a 5 story heavy timber office building, and Carbon 12, the tallest mass timber building in the USA. She has grown into a specialist designing with this technology, allowing her to travel around the world.

**When: 7 p.m. Tuesday, April 23<sup>rd</sup>**  
**Where: North Plains Fire Hall**

## Oregon Bees – Valuable Forest Partners

**Dr. Christine Buhl**, forest entomologist for the Oregon Department of Forestry, enlightened WCSWA members about the world of Oregon bees at the March 26<sup>th</sup> WCSWA meeting.

Did you know there are over 500 known bee species in Oregon? When people think of bees they most often think of honeybees which are non-native and managed in hives mostly for use in agriculture. Perhaps some also think of some of our wild bees, most of which are native, such as bumblebees. However, we have a wealth of other native bees present in non-agricultural landscapes such as forests. Bees visit many flowering, woody or herbaceous plants growing in forest understory, or along edges and riparian buffers. The majority of our tree species in temperate forests of the Pacific Northwest are



Dr. Christine Buhl with the traditional WCSWA speaker's award

See "Bees" on page 9

## WCSWA Leadership

**President – Bonnie Shumaker, 503-324-7825**  
**Vice-President – Vic Herinckx, 503-645-9434**  
**Secretary-Treasurer – Bob Shumaker; 503-324-7825**

### Board of Directors:

Pos. #1: Norbert LePage, 503-985-0149  
 Pos. #2: Marc Ahrendt, 503—928-2083  
 Pos. #3: Susan Schmidlin, 503-429-7861  
 Pos. #4: Tony Spiering, 503-680-8112  
 Pos. #5: Cathy Dummer, 503-703-6573  
 Pos. #6: Kent Grewe 503-701-2087

**Legislative Committee Chair:** Scott Hayes 503-568-9999

**Membership Committee:** WCSWA Board members

**Program Committee:** John and Cathy Dummer – 503-970-8789, Mike Messier, 503-233-2131, Bill Triest – 503-705-5833

**Tualatin River Watershed Council Representatives:** Tom Nygren, primary, 503-628-5472, Eric Chambers, alternate, 503-647-2458

**EMAIL FOR ANYONE ON THIS PAGE:** [washcosmallwoodlandsassoc@gmail.com](mailto:washcosmallwoodlandsassoc@gmail.com)

### WCSWA Website

[www.wcswa.com](http://www.wcswa.com)

Website Manager: Michael Morgan  
 Contact Tom Nygren or Bonnie Shumaker for web postings and information.

### Facebook:

<https://www.facebook.com/WashingtonCountySmallWoodlandsAssociation>

### Forest Forum Newsletter

Editors: Tom Nygren & Bonnie Shumaker  
 503-628-5472 and 503-324-7825  
 Proofreaders: Bonnie Shumaker, Dan Hundley, Tom Nygren, Ardis Schroeder

## The Tree Farm Tradin' Post

*A free service to our members: List tree farm items/land to buy, sell, or trade. Contact Tom Nygren, 503-628-5472. Got a tool or piece of equipment you don't need any more? Or maybe you are looking for tools, equipment, property, or materials? You can place a free advertisement in Forest Forum. Another way for tree farmers to help each other! (3 month limit)*

**For Sale:** No New Items to List

**Wanted:** \* **Log Sections** for Custom Tabletops. I'm looking to salvage short (approx. 3 ft) sections of freshly-felled logs, 14-18" diameter over bark. Doug fir, cedar or maple. Will trade for a custom table made from your own wood. Miles, 971-285-6960, [ridgebacktrees@gmail.com](mailto:ridgebacktrees@gmail.com).

\* **4x4 truck.** Not too concerned about cosmetic appearance, transmission style (auto/manual), or interior features. Just must be 3/4 or 1 ton rated, 4x4, tow hitch (also interested in getting a trailer), and no major mechanical problems. Marc Ahrendt (503-928-2083)

## Event Calendar

|               |       |  |  |
|---------------|-------|--|--|
| <b>April</b>  | 23    | Mass timber in construction by architects who designed Carbon 12.                              | 7:00pm North Plains Fire Hall<br>Kristin Slavin, Path Architecture |
| <b>May</b>    | 21    | WCSWA Annual Potluck: Presentation by Mike Pihl, and demo of Kubota mini-hoe with log grapples | Tony and Mary Spiering's property – details on page 11             |
| <b>June</b>   | 20-22 | OSWA Annual Meeting, Corvallis   | Registrations will be mailed out in April                          |
| <b>July</b>   | 20    | Tree Farmer of the Year tour   | Ernie and Linda Rieben's tree farm on Cedar Canyon Road            |
| <b>August</b> | 23    | WCSWA Mill tour, Longview Fibre chip processing plant  | Information to follow later  |

# *Leadership Notes*

*The following report is from Karen Graham, the Plant Sale Coordinator for WCSWA. Karen puts in a lot of time and know-how into making our Plant sale a success. THANK YOU, KAREN!*

## **2019 Plant Sale-Biggest Ever**

*Save the date of **March 13 & 14, 2020** for next year's sale.*

Thanks to the efforts of more than 30 members, the plant sale earned **\$5,315** for the Washington County Small Woodlands OSU Scholarship fund. Volunteers have said how much they enjoy working during the plant sale and getting to know other members. The last several years we have had the good fortune to be in the Hillsboro Armory. The Armory has been returned to the Washington County Fairgrounds and will no longer be available to us. However, we have reserved the **Cloverleaf Building on the Fairgrounds** for next year's sale. The central Hillsboro location seems to bring more customers and the Cloverleaf Building will fit our needs. You can check out our new location and go on a virtual tour by going to [www.faircomplex.com](http://www.faircomplex.com)

Many thanks to the following for wonderful help: Champoeg Nursery, Pearson's Nursery and Scholls Valley Nursery provided great plants; Vic Herinckx and Marc Ahrendt transported several truck/trailer loads of plants. For Friday set-up, Neil and Ardis Schroeder brought great cookies; Tony Spiering, Pat Brady, Anne and Richard Hanschu, Rich Gaebel, Bernadette Strand, Miles Merwin, Philip Curtis, Bonnie Shumaker, Blake and Veronica Basham, Ron Larson, Sam Sadtler and Lynn and Steve Harrel set up tables and unloaded, priced and set up an enticing display of 3,666 plants.

On Saturday, Cathy Dummer and Mary Spiering supplied yummy snacks for the workers. Norbert LePage, Tom Nygren, Mike Jamieson, John and Cathy Dummer, April Olbrich, Mary Spiering, Judy Pond, Dallas Boge, Tom and Becky Mehringer, Bonnie and Bob Shumaker, Vic Herinckx, Laura Graham, Lynn and Steve Harrel and Sam Sadtler helped customers. Those on the afternoon crew also packed up the tables and loaded unsold plants at the end of the sale. Vic made a second trip to Champoeg Nursery returning the few unsold plants. Tony Spiering delivered and then returned all our plant sale supplies that reside in WCSWA's trailer which he stores at his tree farm. The plant sale would not be possible without all the volunteers. We especially welcome many new names and faces to our volunteer list.

The organization is grateful to Dennis Kramer and Clean Water Services for taking many unsold plants at cost. This allows us to have more plants so that late customers still have a good selection.

Be sure to tell your friends and neighbors to save the date for next year's sale-**March 14, 2020**. Help advertise by putting it on your Facebook page, your Next-Door site, and other social media you use.

***Bonnie Shumaker***

**Advertising Opportunity:** The Forest Forum is a monthly newsletter sent out to over 300 members and friends of WCSWA. Advertisers receive free newsletters for the duration of their ads. ADVERTISING RATES (PRICE INCLUDES TYPESETTING & AD PREP)

YES! I want to advertise in the WCSWA Forest Forum. Ad size: \_\_\_\_\_

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Please send this form, ad copy, logos, photos, etc. to:  
**Bob Shumaker, 52490 NW Cedar Canyon Road, Banks, OR 97106**  
*Thank you for supporting Washington County Small Woodlands Association!*



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Bob McNitt, Forester

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Interactive website that connects forest landowners with seedling growers, forest management vendors & other technical assistance resources





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### Free Weed Watcher Workshops

**4/24 6-8pm Tualatin Soil & Water Conservation District Office** 7175 NE Evergreen Pkwy #400 Hillsboro, OR 97124

**4/30 6-8pm PCC Rock Creek Campus** Building #2 Room 110 11705 NW Springville Rd. Portland, OR 97229

**5/8 6-8pm City of Tigard** Public Works Auditorium 8777 SW Burnham St. Tigard, OR 97223

**5/14 6-8pm Pacific University McGill** Auditorium 2043 College Way Forest Grove, OR 97116

**5/21 6-8pm St. Andrew Lutheran Church** 12405 SW Butner Rd. Beaverton, OR 97005

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### Good signs make good neighbors

Oregonians are more accepting of forest practices if they know forests are being planted after harvest. Let them know with a free PLANTED sign provided by the Oregon Forest Resources Institute.

Visit [KnowYourForest.org](http://KnowYourForest.org) and search for "Landowner signage"



Oregon Forest Resources Institute

*"That which seems the height of absurdity in one generation often becomes the height of wisdom in the next"* John Stuart Mill



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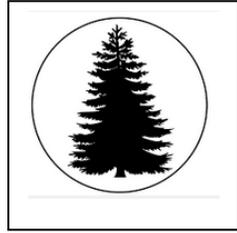
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### **Biochar – Another Option for Too Much Fuel In The Woods?**

Biochar is an emerging new industry that is dependent on consistent supplies of biomass feedstocks. Woody debris is an ideal biochar feedstock that can be used even in existing biomass boilers and furnaces to produce biochar. Most of the recent growth in biochar volume production is utilizing these technologies, especially in the Western states where large amounts of fuel present significant fire hazards. For an in-depth analysis of the biochar opportunities, check out the following website.

<https://www.oregon.gov/ODF/Documents/ForestBenefits/USBI-biochar-market-analysis-report.pdf>

**North Plains & Longview**  
**WANTED: Land & Timber, standing timber and pulp logs**

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***Internship Available – Reforestation/Native Tree Orchard, Saturday Academy***

Internship Dates: Jun 17, 2019 - Aug 23, 2019

Location: Colton, OR

Disciplines [Biology](#) [Environmental Science](#)

Minimum Age: 16

Citizenship: Must Be US Citizen

Prerequisite: Intern will need sturdy footwear and weather-appropriate clothing for field work. Students must be minimum age specified by May 15. Walter Horning Tree Seed Orchard produces genetically-tested and improved native tree seed (Douglas-fir, noble fir, western hemlock, western redcedar, and others) for use in regional reforestation efforts. The intern will conduct a research project to examine Horning's native trees in orchards and/or greenhouses. Activities will include assisting with several of the following: care of nursery seedlings and trees, activities related to greenhouse technology, orchard tree inventory and data collection, seed germination trials, orchard cone estimates and other preparation for cone harvest, database activities (entering and analyzing data), and creating brief summary reports. <https://www.saturdayacademy.org/student-interns>

## ***Understanding and Managing Young Stands***

You are invited to [Early Seral Biodiversity and Management](#) event that will take place at Oregon State University on June 10th with an optional field tour on June 11th to visit management sites.

It has now been over a decade since the topic of early seral forest emerged as a central theme in forest management in the PNW. Since then, agencies have begun to implement management techniques for creating and maintaining this forest type. Scientists and managers - primarily on state and industrial lands - have also collaborated to implement several broad-scale science efforts that test the efficacy of various early seral management techniques.

The event will include scientists, landowners, agencies, forest practitioners, non-profit organizations, and all those interested in the topic of early seral forests.

The objectives of this workshop are to:

1. Present recent scientific findings on the topic of early seral forests in the PNW as they apply to management.
2. Identify areas of agreement among agencies and other landowners on how to define and manage for early seral forests.
3. Collaboratively identify information gaps, and conservation and management challenges that are relevant to practitioners and scientists.
4. Outline key hypotheses that form a research agenda for the coming decade.

**To view the full program or register in advance, please visit:** [www.forestbiodiversity.org/earlyseral](http://www.forestbiodiversity.org/earlyseral)

Sponsored by Oregon State University, BLM, US Forest Service, and Oregon Forest Resource Institute

## **Bees** *Continued from page 1*

wind-pollinated and do not rely on pollinators, although some do provide bees with nectar and pollen. Plants such as willow and maple are early season sources of nectar for bees, and pollen may even be collected from conifers such as spruce and pine.

Forests also provide habitat and materials for nests and over-wintering. The majority of wild bees nest in the ground or in cavities and crevices within wood, plant stems, rocks, etc.

Roadside embankments and closed-canopy forest floors can provide an excellent source of exposed soil that is free of debris for ground-nesting bees. For cavity-nesting bees, exit holes from plant stems, decomposing stumps and logs may be utilized.

Research from Oregon State University has found large bee abundance and diversity in forests, even following intensive management such as clearcuts and events such as wildfires - which speaks to the resiliency of bees! There is still a lot to learn about bees in forests, but efforts are underway to understand more about bee populations and habitat requirements to provide landowners with more guidelines.



### ***Ways to enhance bee health and habitat in and along forests:***

#### Reduce pesticide toxicity

- Investigate non-chemical means of pest control first.
- Realize that systemic insecticides may also travel to nectar and pollen, particularly in rhododendrons and azaleas, and even months after application.
- Read and follow labels, look for bee toxicity warnings or look up toxicity of the active ingredient on the OSU-created app or pdf "[How to Reduce Bee Poisoning from Pesticides](#)".
- Avoid spraying when bees are most active ( $\geq 60^{\circ}\text{F}$  days, spring/summer, daylight hours).
- Avoid pesticide drift onto non-target sources such as other plants (this includes 'weeds') and water, which may be visited by bees.
- Report suspected bee toxicity to PARC: 503-986-6470

#### Enhance floral food sources

- Bees are most attracted to white, yellow, blue and purple flowers and visit flowers based on their shape (e.g., bees with long tongues tend to visit tubular flowers). Plant similar flower types in clumps to create a stronger attractive signal and reduce bee travel distance to similar flowers.
- Extend the bloom window for as long as possible by planting woody and herbaceous species with staggered bloom times or continuous blooms.
- Remove aggressive or invasive plants that outcompete and reduce floral plant diversity.

#### Enhance nesting habitat

- Leave or create some bare patches of soil (bees will not dig through debris)
- Leave or create some nesting materials such as pithy stems, woody debris with holes or cavities, etc.
- Habitat does not need to be established in 'prime' areas; utilize areas such as fence lines, roadsides, old compacted roadways or trails, fallow spots, etc.



### ***For more information on protecting bees in Oregon:***

Oregon Bee Project

<https://www.oregonbeeproject.org/>

Get involved in citizen science! The Oregon Bee Atlas will teach you how to collect and ID bees to learn what bees occur where and what plants they are visiting.

<https://www.oregonbeeproject.org/bee-atlas>

Tune in to the PolliNation podcast and learn more about bees in various habitats

<http://blogs.oregonstate.edu/pollinationpodcast/?cat=558>

## Helping Landowners Learn From Their Peers About Harvest Options

Northwest Natural Resource Group and Oregon State University are reaching out to forest owners for a voluntary study about timber harvesting methods to understand how they affect both financial and forest health outcomes.

The goal of this research project is to help landowners who are considering a timber harvest to learn from the experiences of others. There is limited information about the economics of commercial timber harvests that use thinning or uneven-aged management, and how those results compare with other harvest methods. The researchers are looking to survey Oregon and Washington forest owners who harvested timber from their forest in the past five years (since 2014) and are willing to share information about the silvicultural methods and financial outcomes from these recent timber harvests. The survey asks detailed questions about the harvest techniques and equipment used, the volume of timber harvested, cost of the harvest work, and the harvest revenues.



The results of this study will be shared with forest owners through a variety of methods including articles, papers, and classes taught by NNRG, OSU, and partner organizations. Data in the study will remain confidential within the research team. Information will be aggregated so it cannot be traced to any individual ownership. Data will be collected through June 2019.

If you are willing to share recent harvest information with NNRG and OSU, contact Lindsay Malone, one of the project researchers, at [lindsay@nnrg.org](mailto:lindsay@nnrg.org). Lindsay can provide you with a copy of the survey. Learn more about this research project at [nnrg.org/thinning\\_study](http://nnrg.org/thinning_study)

## CLIMATE MODELING POINTS TO COMING SIGNIFICANT VEGETATION TYPE SHIFTS IN COASTAL FORESTS

A changing climate in the 21st century will significantly alter the coastal forests of the Pacific Northwest, according to modeling by Oregon State University researchers. Vegetation is projected to change from predominantly conifer to predominantly mixed conifer and hardwood forests, according to modeling results in a study published in the journal PLOS ONE.

Much of the current forests can be expected to eventually be replaced by trees better adapted to future conditions, according to the MC2 Dynamic Global Vegetation Model focusing on the Pacific Northwest west of the Cascade crest. Widespread maladaptation could lead to plant mortality, which would reduce timber available for harvest. An increase in hardwoods could result in a decline of mature evergreen trees for harvest, according to the study authors. Projected impacts on forests could affect fresh water supplies, wildlife habitat quality, and recreation. It is reasonable to anticipate that climate-driven stress will make these forests more susceptible to disease and pests, the authors wrote.

"The bottom line is that forests on the western side of Oregon and Washington will be under a lot of stress in the future," said the study's lead author, Tim Sheehan, a doctoral student at OSU. "Our findings point out the seriousness of climate change and the importance of working to limit climate change as much as we can, as well as to look at the region and identify those areas that are either more or least susceptible to climate change, to better target management activities."

## **Annual WCSWA Potluck – May 21st**

**Location: Tony and Mary Spiering' s**  
15115 NW Old Pumpkin Ridge Road  
North Plains, OR 97133  
Phone: 503-680-8112

### **Agenda:**

5 to 6 pm Arrival and Socialize  
6 to 7 pm Potluck Meal  
6:45 to 7:30 Speaker and Presentation

**RSVP to Tony Spiering at 503 680-8112; e-mail [aespiering@gmail.com](mailto:aespiering@gmail.com)**

### **What to bring:**

Potluck dish of choice, lawn chairs and own alcohol (if desired).  
WCSWA will furnish Hamburgers, Hot Dogs, & fixings, plus water & punch.

### **Parking:**

Across the road of the residence (follow signs).

### **Presentation:**

Mike Pihl will present a brief history of Pihl Logging with an overview of all aspects of logging from cutting to marketing including the effects of tariffs on the industry. Mike will also be bringing a Kubota mini-hoe with log grapples. This is a unique machine that is great for maneuvering around on small private patches.

**Looking forward to a good time with friends, food, and a lively discussion on logging in today's environment!**

## ***Pieces of Eight – Tales of Treasures From Good Wood***

The **Build Local Alliance** invites you for an evening celebrating *Pieces of Eight*  
*Eight stories of treasure from local trees and forests; tales of good wood, grown, crafted and placed.*

**Thursday - May 9, 2019, 5:30-8:30pm**

Migration Brewing, 2828 NE Glisan Street, Portland, OR 97232

*Startup Snacks and Refreshments provided*

There is no cost to attend. Register today at:

<https://www.eventbrite.com/e/pieces-of-eight-tickets-59194643773>

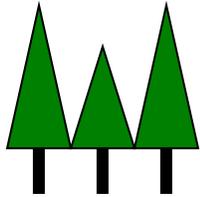
Join us for an inspiring spring night out. The *Pieces of Eight* adventure will bring together eight varied and notable projects with each presenter challenged to share the story in just eight minutes. Space is limited, so please RSVP and consider a donation to support BLA.

Featuring:

- A builder using local wood to help solve the housing crisis, one piece at a time.
- The Redd Building restored to help spawn the next generation of sustainable forestry.
- Workspaces furnished and put-together by good joinery.
- A great old barn rejuvenated from grand oak progeny.
- A bridge re-built from the tree that fell on it.
- JRA's wood passion fully expressed - in a whole house.
- The floor from trees they planted provides firm footing for another generation.
- Epilogue, a second chance for trees from the neighborhood.

The **Build Local Alliance** is a community catalyst drawing together and supporting people, businesses, and organizations committed to connecting "good" wood from local forests with local projects. Our mission is to improve the vitality of local forests and related human communities by connecting local, responsibly grown and processed wood with local projects.

## Forest Forum



COUNTY CHAPTER OF THE  
OREGON SMALL WOODLANDS  
ASSOCIATION

### Potpourri

***New Members: Welcome to Bill Herrold of Banks, and Ken and Anne Jackson of Hillsboro.***

We are here to help members achieve their management goals. To get the most out of your membership, come to the meetings and tours that are scheduled throughout the year. (You're always invited to the WCSWA meetings!). You'll find many kindred spirits among our diverse membership – and many opportunities to learn and share together! If you have any questions or need help, contact any of the Directors, Officers, or Newsletter Editors listed on page 2 of this newsletter.

***Interactive Database: America's Forests***

The U.S. Endowment for Forestry and Communities (Endowment) announces the completion of its interactive website, [State of America's Forests \(https://usaforests.org/\)](https://usaforests.org/). This online multimedia guide puts relevant information related to our nation's forests in the hands of the public and professionals in intuitive ways never before accessible. Exploratory maps, graphs, charts, and videos will help users to better understand the value and importance of forests as a source of clean water, clean air, human wellbeing, biodiversity, recreation, products, economic development, and many other benefits and services. The website reviews the many challenges that threaten forests existence and health, and undermine the myriad ecosystem services they provide to society, and particularly, to rural, forest rich communities. An analysis of wildfire, insect and disease outbreaks, invasive species, species at risk of extinction, housing development, forest fragmentation, and drought shows the degree of vulnerability forests face today and how one threat often compounds another.

The project lead for State of America's Forests, Dr. Mila Alvarez, worked closely with the Endowment's project partner, the U.S.D.A. Forest Service and Esri (a global leader in geographic information systems) as well as an extensive network of researchers from the public and private sectors and academia to develop the website, populate the data, and bring the project to completion. Dr. Alvarez presented the completed work at the Esri Federal GIS Conference in Washington D.C. in late January.