

Forest Forum

Washington County Small Woodlands Association

January, 2019

January 22, WCSWA Monthly Meeting ***History of your Property – How to do the Research***



**Amy Grotta, OSU
Extension Forester**

Are you curious about what might have happened and when on your property in the past? You won't want to miss this chance to learn how to get to know the history of your property a little better.

Our OSU Extension Forester, Amy Grotta, will be presenting on the “History of Your Property.” She will cover how to build a more detailed property history, who owned it and when, and what might have happened there. She will clue us into the tools on the internet and in the local area to do this research. Amy has recently completed a history of the new OSU Matteson Demonstration Forest near Hagg Lake, so she will be able to steer us in the right direction on how to do this research on our own property.

Please join us on **January 22 at 7pm at the North Plains Fire Station, (31370 NW Commercial St. North Plains, OR)** for our first meeting of 2019. We look forward to seeing you there.

February 26, WCSWA Monthly Meeting ***Geology of the Tualatin Basin and the Gales Creek Fault: a framework for understanding your forest property***



**Dr. Ray Wells,
USGS, retired**

Have you heard of the Gales Creek Fault and always wanted to know more about it? Where is it? Is it active? Who is studying it, and what could it tell us?

Our featured speaker, Dr. Ray Wells, a Research Geologist Emeritus at the U.S. Geological Survey, will help us explore these questions. Dr. Wells is passionate about geology and is a recognized expert in the field. He has just completed a 20 year-long project to produce a geologic map of the greater Portland area, from the Cascade foothills to the Coast Range. The map encompasses 2500 square miles, including the Gales Creek Fault. He will share his experience and also share how you can identify surface expressions of geologic features that might help you better understand and manage your forest property.

The meeting will take place **Tuesday, February 26 at 7 pm at the North Plains Fire Station (31370 NW Commercial St. North Plains, OR).**

WCSWA Leadership

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

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 Pos. #4: Tony Spiering, 503-680-8112
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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

WCSWA Website

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)

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Event Calendar

January	22	WCSWA Monthly Meeting – History of your property – how to research who has owned your property and what has gone on there.	7:00 pm North Plains Fire Hall. Amy Grotta will share her experience in researching the history of the Matteson Forest (see page 1 article)
February	26	WCSWA Monthly Meeting - Geology of the Tualatin Basin and the Gales Creek Fault: a framework for understanding your forest property	7:00pm N. Plains Fire Hall Dr. Ray Wells, USGS ret. will be our featured speaker. See article on page 1
March	16	WCSWA Native Plant and Tree Sale	Hillsboro Armory – Forestry Scholarship Fundraiser! SAVE THE DATE!
	23	Tree School – Clackamas Community College	Watch for mailer or search online
	26	WCSWA Monthly Meeting – Pollinators – Oregon Bee Project	7:00pm North Plains Fire Hall Dr. Christine Buhl, Entomologist, ODF

Leadership Notes

At the WCSWA Annual Banquet in November, we elected Officers and Board Members. At this time, I wish to acknowledge Deb Kapfer and Sam Sadtler for their six years (two terms) of doing good duty in filling Board Positions #1 and #2. Thank you, Deb and Sam.

Norbert LePage was elected to fill Board Position #1 and Marc Ahrendt was elected to fill Board Position #2. I asked both Norbert and Marc to supply a short bio and picture, so that members could get to know them better. One of the pleasures of knowing woodland owners is the diversity they bring. At meetings, Officers and Board Members wear special green name tags so that members can identify our leadership and ask questions or give suggestions.



Norbert LePage, Position #1

I was born in Detroit, Michigan and raised in Phoenix, Arizona. After serving in Vietnam and Korea, I used the GI Bill to get a B.S. in Environmental Resources (with the emphasis on Horticulture) at Arizona State University. After that I moved to Portland and fell in love with the temperate rain forest of the Pacific Northwest. In the mid-nineties I managed to buy 38 acres near Gaston that had been planted with Douglas-fir in the early nineties. My intention in buying the property was to grow a mature uneven-aged mixed forest and live in it. I love seeing the Calypso Orchids and Coral Root that have multiplied as the forest matured. Now almost 25 years on, I find

myself faced with a mature forest that could be helped by more thinning than my removal of a few dead trees that were shaded out.



Marc Ahrendt | Board Member, Position #2

As an engineer in the local semiconductor manufacturing industry, I try to take advantage of weekends to address projects on my family's 80-acre timber property upon which we live. Soon after my family's purchase of that property in late 2014, I quickly became a member of both WCSWA and OWC.

Currently I am applying for a spot in the 2019 Spring MWM (Master Woodland Manager) training program. I am eager to be more involved in WCSWA to help "pay forward" all the valuable support/guidance provided to me by WCSWA members.

Please help me welcome Norbert and Marc to WCSWA's Leadership Team.

Bonnie Shumaker

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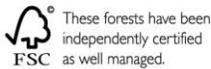
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 one receives far more than
 he seeks.”***

John Muir



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Connie and Rich Gaebel, our Washington County Tree Farmers of the Year for 2017, receive their award as First Runner-up for Oregon Tree Farmer of the Year at the Oregon Tree Farm System Luncheon on October 27. Congratulations, Rich and Connie – good work!

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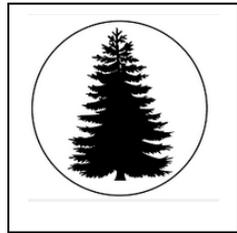
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Celebrating the Life of Sharon Boge

Washington County Small Woodlands Association members are saddened by the loss of one of our long-serving and much-loved members. Sharon Kay Boge, 77, died December 3, 2018. A Celebration of Life Service will be held on Saturday, January 19, 2019 at 2.00 P M. at the First United Methodist Church, 1838 S.W. Jefferson Street in Portland. Family and friends are invited to attend a reception immediately following the memorial service.

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Torrefaction Plant Could be Operating June, 2019

Exerpts from Richard Hanners, Blue Mountain Eagle Dec 18, 2018

A \$15.5 million torrefaction plant could be in operation at the Malheur Lumber Co. mill in John Day as soon as June. Matt Krumenauer represents the U.S. Endowment for Forestry and Communities, which developed the local project. Krumenauer said the endowment has a strong relationship with the Forest Service, which could consider the torrefaction plant as a tool for forest management.

The U.S. spends billions fighting wildfires, but spending millions to manage forests to prevent wildfires is not sustainable without a revenue stream. One solution is to chip and roast biomass to produce a torrefied wood product to burn in coal-fired plants. The plant will start operations using log chips and not slash from stewardship projects. As the plant proves itself and ramps up production, it will turn to slash material and even trucking in off-site chips.

Tualatin River Watershed Council

Note from April Olbrich, December 19, 2018



I'm transitioning out of the Tualatin River Watershed Council coordinator position. Scott McEwen has become the new TRWC executive director. He can be reached at the TRWC office, 503-846-4810, (phone) trwc@trwc.org (email).

I want to thank the Washington County Small Woodlands Association community for their inclusion and welcome during my time as the Tualatin River Watershed Council coordinator. I've really enjoyed getting to know the WCSWA members and friends and appreciate your stewardship commitment. You've help expand my knowledge about healthy woodlands and their importance in a healthy watershed. I've appreciated the WCSWA meetings and conversations and hope to attend future meetings and events.

***Editor's Note:** April has been the TRWC Coordinator since 2003 and has always kept us aware of cost-sharing opportunities to improve watershed health. She is also responsive to landowners' ideas and works hard to find funding opportunities. She is a very "hands-on" person and sees that projects are coordinated and completed. April attends many of WCSWA events, and we hope this continues. It is always a joy to see her smiling face.*

Can Cross-Laminated Timber save the world?

Anthony Thistleton makes a persuasive case in a new book, [100 Projects UK CLT](#)

Treehugger.com, Lloyd Alter, December 18, 2018



A year ago, after listening to Anthony Thistleton of Waugh Thistleton Architects speak, I wondered what's the best way to build in wood? Should we be using mass timber when alternatives are more efficient in their use of material? Now, Anthony Thistleton answers loud and clear: essentially, **yes**, and the more, the merrier. He has just published a new book, [100 Projects UK CLT](#), which shows the phenomenal growth in the use of wood, demonstrated in "100 hundred ground-breaking CLT (Cross-Laminated Timber) projects, demonstrating the UK's leading position in the use of cutting edge technology to develop buildings from precision engineered timber modules."

The more we build using CLT, the more carbon we can store, and we create a market for timber that will drive re-forestation. Planting more trees is one of the only realistic ways we have of reducing CO2 levels, and it will only happen at scale if it is driven by demand. This is a critical time in the fight against irreversible climate change – the widespread adoption and growth of CLT quite literally has the potential to save the planet. Not only is building out of CLT faster, better and more efficient than traditional methods, it can also play a huge role in tackling

climate change. When we use CLT, not only do we create long term storage for the carbon that was absorbed during growth, we also offset the potential emissions from materials such as concrete and steel which have high levels of embodied energy.

We can structure any architectural style with wood, we can insulate with straw and mushrooms. All of these emerging technologies and more arrive in tandem with the growing understanding that the so-called embodied carbon of building materials matters a great deal more than anyone thought in the fight to halt and reverse climate change. The built environment can switch from being a problem to a solution.

The book also is a great introduction to the benefits that go beyond just storing carbon; it is a healthier and safer build, with as much as an 80 percent reduction in deliveries compared to a concrete structure. It acknowledges concerns about whether it is the most efficient way to build low buildings, noting that under four floors, "a timber frame or SIPS structure may be more appropriate." It addresses the issues of cost, noting that "a CLT structure provides far more than a basic structural frame."

There are some who are not yet convinced that wood will save the planet; read [Paula Melton here in Building Green](#). I have been skeptical in the past, but the authors do a good job of addressing the concerns. Instead, we should celebrate these impressive and sometimes amazing projects, a hundred buildings that apparently store as much carbon as emitted by 12,180 cars or 6,142 houses. Anthony Thistleton says:

"This book showcases the breadth and diversity of buildings and the number of well-known architects, developers and contractors exploring engineered timber. It shows that this material is not a trend but represents a fundamental change in the way we deliver buildings - a construction revolution."

Oregon Department of Forestry: Private Forests Update

ODF, December 5, 2018

“Oregon Department of Forestry is very pleased to announce the selection of Nathan Agalzoff as the new Incentives Field Coordinator for the Private Forests Division.

Nathan has spent the last 15 years working for the department in 5 different offices, most recently serving as a Stewardship Forester out of the Forest Grove office. He also served in a developmental role as the Incentives Field Coordinator earlier this year. Prior to those roles, Nathan was a Stewardship Forester in Tillamook and spent time in State Forests designing timber sales for the Forest Grove office. Nathan’s background will serve him well as the next Incentives Field Coordinator for the Private Forests Division. If you have questions about forest management incentive programs please feel free to contact him at 503-359-7439 or Nathan.v.agalzell@oregon.gov.”

Editor’s Note: I was going to include this announcement in the January Forest Forum, and I asked Nathan if he would add a bit about forest management incentives programs that would be of use to our members. His prompt reply is as follows:

“The Oregon Department of Forestry Mission: ‘To serve the people of Oregon by protecting, managing, and promoting stewardship of Oregon’s forests to enhance environmental, economic, and community sustainability.’

I think it is fair to say that incentive programs, along with the associated technical and financial assistance, are an important contributor in promoting stewardship of forestland, helping property owners accomplish their goals, and maintaining healthier forests on the landscape.

The Incentives Field Coordinator position is housed in the Private Forests Program in ODF. The Private Forests Program interacts with landowners through several ways including: incentives, education, and regulation (Oregon Forest Practices). Stewardship Foresters around the state are the primary delivery mechanism and local point of contact. The Incentives Field Coordinator supports the work of the Stewardship Foresters through information sharing, coordinating education and outreach efforts, and by providing a communications link for state and federal program implementation and partnering agencies.

In some assistance programs, ODF is the lead agency and others ODF is partner and provides technical assistance and advisement. Here are a handful of program examples that the woodland owner group might be familiar with:

- Forest Stewardship Program (ODF) – up to 75% cost share for professional development of an Oregon Forest Stewardship Plan.
- Bark Beetle Mitigation (ODF) – up to 50% cost share for pre-commercial thinning to mitigate bark beetle impacts on forest stands.
- National Fire Plan (ODF) – up to 75% reimbursement for cost of reducing fire hazard (thinning & slash treatment) on small acreage (forest) properties in/near urban fringe.
- Environmental Quality Incentives Program (NRCS) – Incentive payment applied to a wide variety of conservation practices on farm and forest land. Incentive payment also provided for development of management plans.
- Conservation Reserve Enhancement Program (FSA) – Incentive to establish a forest riparian buffer on agricultural land. Up to 75% cost share for establishment costs and land rental (\$/ac/yr) for up to 15 years.
- Emergency Forest Restoration Program (FSA) – Cost share available to help re-establish forest following a natural disaster.”

What a wood-eating crustacean tells us about biofuel renewable energy

Forest Business Network, Dec. 12, 2018



Scientists at the University of York have studied the digestive system of a wood-eating crustacean to find out more about sustainably converting wood into biofuel renewable energy. The wood-eating crustaceans which have been studied for their insights into converting wood into biofuel renewable energy are called gribbles. They are small marine invertebrates that have evolved to perform an important ecological role. They eat the abundant supplies of wood washed into the sea

from river estuaries.

The wood-eating crustacean

The scientists have studied how the wood-eating gribble breaks through lignin, the highly resistant coating that wraps around sugar particles, has been a mystery. Hemocyanins, the same proteins that make the blood of invertebrates blue, are crucial to their ability to extract sugars from wood.

Professor Simon McQueen-Mason, from the Department of Biology at the University of York, who led the research team, said: “Gribbles are the only animal known to have a sterile digestive system. This makes their method for wood digestion easier to study than that of other wood-consuming creatures such as termites, which rely on thousands of gut microbes to do the digestion for them. We have found that Gribbles chew wood into very small pieces before using hemocyanins to disrupt the structure of lignin. GH7 enzymes, the same group of enzymes used by fungi to decompose wood, are then able to break through and release sugars.”

Renewable energy: converting wood into biofuel

The discovery about the gribble has brought scientists a step closer to identifying sustainable ways to convert wood into biofuel, a renewable energy alternative to fossil fuels.

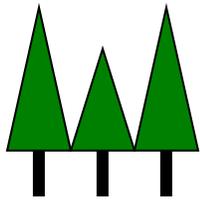
The research has revealed that treating wood with hemocyanins enables more than double the amount of sugar to be released. This is the same amount that can be released with expensive and energy consuming thermochemical pre-treatments currently used in the industry.

Co-author of the paper, Professor Neil Bruce from the Department of Biology, added: “In the long term this discovery may be useful in reducing the amount of energy required for pre-treating wood to convert it to biofuel.”

Newsletter Editor
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Forest Forum



COUNTY CHAPTER OF THE
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Potpourri

Don't Forget! Please renew your OSWA Membership. Your membership is very important to the strength of our organization in representing small woodland owners. You should have received your renewal notice before the end of 2018.

Renew by January 31st to enter a prize drawing for an Awesome OSWA Product. If you have already renewed, THANK YOU!! Questions? Contact Jim James: jimjamesowsa@yahoo.com

New OFRI Publication: Wildlife in Managed Forests: Fisher and Humboldt Marten. Both of these species are listed as "sensitive." New research is underway to learn more about these animals. The publication also has some super cute photos. We should have some of these available at the January 22 meeting. We will also have the New Illustrated Forest Practices Act.

OSU Extension has published 3 pamphlets to help family forest owners find or hire professionals including:

- Finding the right accountant/preparer <https://catalog.extension.oregonstate.edu/em9169>
- Choosing the right logging contractor <https://catalog.extension.oregonstate.edu/em9170>
- Choosing the right chemical applicator <https://catalog.extension.oregonstate.edu/em9171>

Helpful Links:

- <http://blogs.oregonstate.edu/treetopics> to read Amy Grotta's "Tree Topics" blog
- www.oregonwoodlandcooperative.com to learn about the Oregon Woodland Cooperative
- <https://www.facebook.com/WashingtonCountySmallWoodlandsAssociation>
- For E-Notification: : <https://ferns.odf.state.or.us/E-Notification> or visit ODF Office