

# OREGON WOOD WORKS

## TEN PRINCIPLES OF GOOD DESIGN

*In the 1970's Dieter Rams redefined the parameters for successful mass-produced (and craft) design by creating his Ten Principles of Good Design. These tenets continue to inspire makers around the world:*

#3.

Good design is aesthetic.

*The aesthetic quality of a product is integral to its usefulness because products we use every day affect our person and our well-being. But only well-executed objects can be beautiful.*

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## CENTURIES OLD METHODS TO BUILD A MAIN MAST

*Jim Spitzer, Captain, U.S.C.G (retired) and former Steamer Portland Ship's Carpenter, Deckhand, etc.*

The Sternwheeler Steam Tugboat, PORTLAND, is an over 200 foot long artifact of the Oregon Maritime Museum. It is moored to the seawall south of the Burnside Bridge and Portland's Saturday Market. Almost two years ago the top of its 32-foot main mast broke off and crashed to the deck. Tests with a moisture meter and icepick revealed that the upper half of the wood mast suffered moisture intrusion and rot. Over a period of months, I rebuilt the upper 20 feet using clear, quarter sawn Douglas Fir, attaching it to the lower part with a three-foot long swallowtail scarf joint.



*continued on [page 4](#)*

## NEXT PROGRAM: FEBRUARY MEETING

TUESDAY, FEBRUARY 19

SOCIAL TIME 6PM, OFFICAL MEETING 7PM

SUSTAINABLE NORTHWEST WOOD, 2701 SE 14th Avenue, Portland

A wonderful local resource for wood, Sustainable Northwest Wood, has graciously offered to host our February meeting at their facility. Regardless if you have or have not been to Sustainable NW before, this is a meeting that you will not want to miss. In addition to a tour of their operation, Sustainable NW will be discussing what it is that they offer the local woodworking community. Also, within the same build-



*continued on [page 2](#)*

## NOTES FROM THE GUILD PRESIDENT

*Steve Poland*

Hello all and welcome to the new year. I hope each of you has a chance to exercise your new tools in the Guild shop or your own. Be brave, it is highly satisfying to see what's left after making sawdust and kindling. (My own adventure is working on building the bravery to cut into a beautiful stack of Eastern Walnut to put together a dining table for my son.)



I hope each of you will take a look at the array of classes that our amazing education team has assembled, and are constantly seeking to improve. There is something in there for everyone's experience level.

Keep in mind that this Guild runs almost entirely on the efforts of volunteers, and there is a place for all of you to contribute. That could be anywhere from assisting the Estate team with loading out a shop, to serving as a class coordinator (no cost to learn along with students). The new Liaison program will be a boon to new members, helping them understand the green card process, or mentoring them on a personal project. Volunteering to serve as a Liaison will also be a well appreciated way for experienced members to contribute their knowledge. Charlie Meyer is our overall volunteer coordinator, and he will be happy to suggest places you could fit in

The Community Projects (Product Build, Toy Build & Community Projects) are also great for members of all experience levels to work together in the shop producing real work, and it is a very fun way to get to know other members. The Safety committee will shortly roll out a clear path for white card holders to gain mentored machine experience in these Community Projects programs, and when ready, run through the Hands-On Safety Test (HOST) for Green Card with a qualified Shop Attendant during work sessions at no cost.

The last couple months have been busy, working with the Strategic Planning committees, and hearing great ideas for an array of possible improvements in what we do. I'd like to encourage any of you to let myself or any of the Board members know what you are thinking about how the board could be more responsive to your needs, our contact info is in the members page on the website.

Read on for the good stuff, and I hope to see you at Guild activities!

### NEXT MEETING...continued from [page 1](#)

ing as Sustainable NW is another organization named Epilogue LLC. Epilogue is Sustainable NW's supplier of slabs. Their focus is centered around recycling damaged urban city trees and transforming them into viable woodworking materials rather than firewood. The owner of Epilogue, Dave Barmon, will be giving a presentation on not only using existing urban lumber for woodworking, but planning for future harvesting in an urban environment.

Sustainable Northwest Wood was founded in 2008 as a for-profit subsidiary of the non-profit organization Sustainable Northwest. Sustainable Northwest works throughout the Pacific Northwest to forge collaborative solutions that restore forests, rivers, rangelands, and rural economies. Their profits return to Sustainable Northwest and support their work.

The meeting will be held on Tuesday, February 19th. Social time begins at 6:00 with the official meeting beginning at 7:00. New member orientation will meet at 6:30-6:45. The board meeting will be held at 5:30-6:30 also at Sustainable, all are welcome to attend. See you all at the next meeting!

There will be some seating available, but if you can, bring a chair for yourself. Sustainable also has offered to provide some light snacks for our meeting. They are very excited to host our group.

Sustainable NW is located in SE Portland just over the Ross Island Bridge. Their address is 2701 SE 14th Ave., Portland, OR 97202.

If there are any questions about the month programs, please contact CJ Marquardt at [cj@cjmwoodcraft.com](mailto:cj@cjmwoodcraft.com) or by phone at 503-267-1930

### PATIENCE

*"You don't get something done faster by rushing. It's the patience to maintain a deliberate pace that work progresses at its fastest."--Michael Pekovich, [The Why and How of Woodworking](#).*

### The Guild of Oregon Woodworkers is...

..., a group of amateur and professional woodworkers committed to developing our craftsmanship.

*Our Mission: To promote the craft of woodworking to the woodworkers of today and tomorrow.*

*Our Vision: A community of woodworkers that provide significant opportunities to develop, practice, enhance, and share woodworking skills.*

The Guild offers many benefits for members, including:

- ◆ Monthly programs
- ◆ Monthly newsletter
- ◆ Weekly Volunteer Special Interest Groups (SIGs)
- ◆ An education program to help members develop woodworking skills through a variety of hands-on and lecture classes
- ◆ Sponsor discounts
- ◆ Woodworking shows (such as Gathering of the Guilds)
- ◆ Network of business partners.
- ◆ A woodworking shop
- ◆ A network of friends and opportunities to volunteer and make a difference in our community
- ◆ Free and low cost community programs to join in learning woodworking skills through special interest groups, community build, & estate sales volunteering

For more information see the Guild website or visit the shop.

Guild Shop - 7634 SW 34th St, Portland, OR 97219

[Guildoforegonwoodworkers.org](http://Guildoforegonwoodworkers.org)

## WELCOME NEW MEMBERS

Welcome to our newest **49** members. We're happy to have you with us and hope you'll make a regular appearance at the monthly program, contribute articles to the newsletter, and volunteer in other ways. Say hello at the next meeting so we can get to know you. New member orientation is 6:30-6:45 at each monthly meeting.

Will Baker, Rishi Bansal, Daniel Bartlett, Ginny Benware, Valerie Black, Matthew Bowen, Sam Byun, Kevin De Angelis, Jay Dickinson, Alex Douglas, Ben Ehrlich, Janet Ehrlich, Paul Ehrlich, Kenneth Fairfax, David Fisk, Abby Funabiki, Emily Funabiki, Tony Gambacorta, Sam Goodwin, Jessica Guay, Stephanie Harris, Andrew Harwell, Paul Henson, Anne Herman, Erin Jansen, Stu Millard, Grant Monroe, Ryan Monroe, Sean Mooney, Greg Moore, Aaron Oberstein, Don Olson, Carissa Page, Justin Paluch, Dave Rivet, John Robinson, Hector Rodriguez, Mike Rutherford, Matt Staten, Samu Talkarri, Jordan Taylor, Travis Tomlinson, Larry Trickel, Dillon Turner, Adrian Vahidi, Jessica van Waardenburg, Sage Van Wing, Chuck West, Rick Wise



Many of us who have joined the Guild recognize that woodworking can be a lonely avocation. It's fun to get together with other woodworker's to swap stories, share successes, and failures, and to ask questions. Come join the fun at the next MEET-UP ...

**MONDAY, FEBRUARY 4 - 11:30AM**

**McMenamins John Barleycorns**  
14610 SW Sequoia Pkwy, Tigard, OR 97223

It is near the Home Depot, off of SW Bonita Road.  
*We will gather at 11:30 am, but late comers are welcome.*

Everyone in the Guild is invited. If you are new to the Guild this is a great way to meet members or to renew old acquaintances.

## PATIENCE

*"Hurry up and slow down"*—Gary Rogowski, Professional Woodworker, Northwest Woodworking Studio, Portland

## SHOWS COMMITTEE CHAIR: NEEDED

*Board Position.* This is the person who organizations and events managers contact to work on bringing the Guild to their event. Such events as Art in the Pearl, Clackamas County Fair, and Multnomah Days.

The responsibilities of the Shows Chair are, to help find and coordinate volunteers for the event and delegate the tasks needed to pull off an event.

This is another very social position within the Guild, and leads to knowing a lot of fellow Guild members. Working with the past chairs to transition into this position is proposed.

Learn while helping lead!

Let's talk!

Steve Poland [polandpdx@gmail.com](mailto:polandpdx@gmail.com).

**BUILD A MAIN MAST...** *continued from [page 1](#)***But first, why does the Steamer even have a fore, main, & mizzen (after) mast?**

After all, it never carried sail, sent a lookout aloft into a Crow's Nest, or needed to string antennae between masts for the wireless radio. The simple answer is communications, tradition, aesthetics. Masts carried the vessels flag, identifying home country; and could also carry a company flag – the Port of Portland or that of the operating companies, Willamette Tug and Barge and Shaver Transportation. At night the configuration of navigational lights communicates the approximate size, direction of heading, and activity (such as pushing or towing another vessel or object) to other vessels. Some towing arrangements called



*Three-foot long SWALLOWTAIL SCARF JOINT joining new upper mast segment (unpainted and shown planed to 16 sides) to old lower segment.*

for displaying two or three lights in a vertical configuration. The Steamer also has a set of signal flags that can spell out words however, the six halyards on the after side of the stack were likely used for this purpose. With respect to tradition and aesthetics, compare the recent 200 years of steam and motor propulsion to over 7,000 years of sail. Ships with masts just look right. The Steamer's main mast provides balance to the height of the stack. The eye rises from the mass of the hull and house to the lightness of the masts carrying flags playing in the wind, and finally to the sky.

**Doing it like Captain Cook's shipwrights.**

Without a lath with a 20-foot bed, the construction method was like that used by shipwrights hundreds of years ago when a storm broke a spar while in far reaches of the world. The approach was to harvest the best tree available and shape it using a variety of tools and cutting various joints to join pieces of wood. Conversations with a boatwright, inspiration from wooden boat builders, the book *How to build a Wooded Boat* by Bud Macintosh, advice of System Three (epoxies) chemist Nina Kim, and my decades of fine woodworking experience gave me the confi-

dence to proceed. Epoxy adhesives are the major advantage that I have over Captain Cook's shipwrights.

I made various jigs to: determine the taper; measure the shape/diameter at every foot of height; and guide the cutting of the swallow tail scarf joint.

The joined boards of the upper segment were initially cut into a square that tapers from about five to less than three inches in a 17-foot length. Guided by precise pencil lines and frequent measurements, the tapered square is cut into 8, 16, and finally 32 sides before sanding it to a tapered round cylinder. My 40-year-old wooden hand jointer plane was the workhorse tool for making piles of shavings. After the mast segments were joined, sanded parts were soaked with a penetrating epoxy called S-1, the pulley assembly was rebuilt, and the mast was coated with epoxy paint.

Finally, I thank Woodcrafters and System Three for material donations, Disdero Lumber for selling very expensive wood at wholesale cost, and volunteers ranging from the muscle of Portland firefighters to Past Guild President Roger Crooks who turned a drum component of a sanding machine used for the final shaping of the mast.

For photographs and a more detailed description of the methods please go to the RiversWest website at <http://www.riverswest.org/> and then select the link "New Mast for the Steamship PORTLAND".



*On the RiversWest main page is a note about 1st & 3rd Saturday morning open house (with free coffee and donuts!) at their workshop located near the Portland Expo Center. Guild members are welcome to visit the center for wooden boat builder enthusiasts.*

## UPCOMING CLASSES

## GUILD CLASSES

***Band Saw Clinic***  
with ***Chip Webster***  
Feb 12, 9-5

Class Fee: \$125

Class Coordinator: Ken Hall

The band saw can be one of the most versatile, accurate and safe machines in your shop - providing it is set up and used properly. New or even a well-used bandsaw with a 1/2 hp motor can be tuned to cut precision joints or re-saw flawlessly without purchasing aftermarket accessories or expensive blades. All that and jigs for the bandsaw will be covered in this intense one-day class.

***Relief Carving 102***  
with ***Jeff Harness***

Feb 16, 9:30-4

Class Fee: \$90

Multnomah Art Center

Class Coordinator: Larry Wade

This class is for beginner and intermediate carvers and provides an introduction to relief carving, almost entirely hands on. The small, simple project will teach you important lessons about grain direction and practice using two basic tools which are useful for all carving. The class will be a good foundation if you are interested in taking classes from nationally-known carver Mary May.

***Build a Stool from Scratch***  
with ***Dennis Dolph and others***  
Feb 23-24, 9-5

Class Fee: \$195

Class Coordinator: Bob Sokolow

In this class students will start with a four-inch slab of wood and proceed to build a custom-sized stool using loose tenon joinery. You will have opportunity to use six different machines, and with four instructors, plenty of help will be available.

***Garrett Hack: Working with Curves***  
May 4-5, 9-5

Class Fee: \$380

Class Coordinator: Jeff Zens

As your furniture design and technical skills develop, so does your interest in using curves. In this hands-on class, we will explore the pros and cons of various ways of making curved pieces, and learn the joinery of curved parts.

***Garrett Hack: Cabinet Curiosities***

May 6-12, 9-5

Class Fee: \$1230

Class Coordinator: Jeff Zens

Case Construction is fundamental furniture making skill. Designing a small cabinet is an ideal project to explore the design, details, and challenges of solid wood construction before starting on much larger pieces. Emphasis will be on hand skills and hand tools to size, smooth, shape, and fit parts. We will also integrate machines to make the building process efficient and accurate.

*See the Guild website for registration and details. Contact the Class Coordinator with questions. All classes are held at the Guild Shop unless otherwise specified. 7634 SW 34th St, Portland, OR 97219*

## AFFILIATE UPCOMING CLASSES

***Craftsman Round Table***

***Northwest Woodworking Studio***

Mar 4-8 Instructor: Gary Rogowski

***Small Boxes***

***Oregon College of Art and Craft***

Tuesdays, beginning Feb 12

Check out the Guild [website](#) for listings of other classes available to members. For example...

- ◆ The [Basics of Fine Woodworking](#) is geared to beginners who are getting started in woodworking. A series of 10 classes providing a broad exposure to woodworking techniques. Offered quarterly. They sell out fast.
- ◆ How to use large woodworking equipment, and [The Next Level](#) for intermediate woodworkers who are looking to learn Mastery Level skills.

To work in the shop requires a "green card". A series of "safety" classes gets you there.

- ◆ A free [Safety & Orientation](#) class is the first step in that process. It is required for any activity that uses the power tool section of the shop.
- ◆ Obtaining the Green Card requires passing the Hands-On Safety Test ([HOST](#)) test, a four-hour session in which you demonstrate your ability to use the equipment safely.
- ◆ If you need additional training to pass that test, [Power Tool Safety](#) help you on the path.

Plus lots more classes - see the [Education Calendar](#).

## SPECIAL INTEREST GROUPS (SIG)

These groups have discussions and hands-on demonstrations. The SIG groups meet in the Guild Shop.

### WOMEN'S SIG

Next Meeting: Thursday, February 7 (first Thursday of each month) in the Guild Shop at 6pm (We will be there by 5 if you'd like to come help set up)

Topic: Building a workbench for your shop.

Lead: Eddee Edson

Come join the group in learning about the shop, operating machines, making sawdust, and enjoying the camaraderie formed with others sharing and building skills in the shop.

#### Building a Workbench for your Shop

By walking through the design, making adjustments and adding more skill development gained through machine operations and discussions...we are moving forward.

Donations of workbench clamps and wood for the laminated top have been helpful. We will be re-sawing the 8/4" materials, planning, clamping, and gluing up the top. This will turn out to be a very nice bench when it's completed.

We would like to have you join us, add to your skills, and help us grow. Whether you have a white card or working on your green card, everyone is welcome. Skilled women are helping to run this group and we enjoy having the machine skills instructors come in and help teach as well.

**We will also be discussing an opportunity to visit local wood suppliers. We will talk about a second more social gathering around woodworking and plan a visit for an upcoming weekend day.**

#### Hope you can join us!

*Please email [mseddeee@gmail.com](mailto:mseddeee@gmail.com) to get on our mailing list for future meetups connected with the Women's SIG.*

### HAND TOOL SIG

Next Meeting: Wednesday, February 27 at 6:30 pm to 9:00 pm in the Guild Shop

Topic: Let's cut dovetails with hand tools

Lead: Ken Hall

Come and learn how to cut dovetails with hand tools. After a brief demonstration and discussion, you will get an opportunity to practice your skills at cutting dovetails with hand tools.

Bring your tools for cutting dovetails, including a small saw, a small square, marking knife or fine pencil, marking

gauge, a 1/4" or 3/8" SHARP chisel, chisel mallet. Optional tools include coping saw or fret saw, dovetail gauge, or ...

Bring two or more pieces of soft hardwood like cherry or poplar (easily cut with a chisel) which has been dimensioned to the same width and thickness (think components for 2 sides of a simple box). You may bring four pieces if you want to cut dovetails for all four corners of a box. The pieces should be approximately 3-4" wide and 1/2"-3/4" thick and at least 6" long (for ease of holding in a vise). If you want a bigger challenge, bring two marking gauges and make the sides of the dovetail different thicknesses.

Please register on the Guild website if you plan to attend so that we can get an idea of how many people will be attending.

If you have any questions, contact Ken Hall <[ken@old-scholls.com](mailto:ken@old-scholls.com)>

### CNC USERS SIG

Next Meeting: Thursday, Feb 7th 6-9 at MAC room-33.

Topic: How to program - a 3D inlay

Leader: Craig Jones

Agenda: 6-7 Introduction to CNC. How & where to use CNC. 7-9 Regular meeting—including Meet & greet, Show & tell - (Valentine gifts) Presentation: How to, Q/A  
March Meeting: March 14th  
Questions? Call Craig 503-975-7541

### PROFESSIONAL SIG

To all Guild Professionals, the Guild will be forming a Professional Special Interest Group (SIG). If you have an interest in such a group please contact Vince Corbin at [vinceanddiane@gmail.com](mailto:vinceanddiane@gmail.com)

Also we would love suggestions on topics, or we can just hang out and discuss common problems.

## OPPORTUNITIES TO LEARN, CONTRIBUTE, & MAKE NEW FRIENDS

The Guild has several groups that get together on a regular basis. Anyone can join these groups and all who do tell us that they are learning so much and at the same time, they are contributing to the wider community and connecting with new and old friends.

### **TOY BUILD TEAM** – Lead: Gig Lewis

This team makes toys to give away and to sell at the Gathering of the Guilds show. They meet Friday afternoons in the Guild Shop.

### **PROJECT BUILD TEAM** – Lead: Ed Ferguson

This group works together to improve the Guild and our broader community and includes seasoned veterans and newly-minted members.

### **COMMUNITY PROJECTS** – Lead: Tim Moore

This groups builds items for other non-profit groups as a community service.

### **ESTATE ASSISTANCE TEAM** – Lead: Joe Nolte

The mission of the Estate Sale Team is to assist woodworkers and their families to dispose of tools that are no longer needed due to a passing, downsizing, or illness.

## COMMUNITY PROJECTS

Here is roughly one-third of the school bench with the nautical theme that Community Projects is making for the Forest Park Elementary School.



## COMMUNITY PROJECTS

Merlo Station High School, in the Beaverton School District, is starting a wood program.

The Guild community projects team (CP) agreed to help support woodworking at the school by building five benches for them. Roger Leverette led the effort and did



the lion's share of the work, but the CP team helped build additional benches in January.



Now we would like to continue our support by collecting some of the basic tools the kids will need. We are asking members do donate good worker-grade tools that the community projects group will clean up and make ready for use. The first thing they need are jack planes and some kind of smoother, either a #3 or #4. The school could also use a router plane, rabbet plane, block plane and eventually some saws

### **LOCAL HIGH SCHOOL NEEDS TOOLS**

Please let us know if you have such a plane (tuned or tunable) and you would like to donate. Contact Roger Leverette or Tim Moore.

## NEXT ESTATE SALE: A WELL-EQUIPPED WOODSHOP

**When: Saturday, February 16, 2019 10AM - 1PM**

**Location: SE Portland** *(watch the website day before for info)*

Sale will be in SE Portland from 10:00 until 1:00. Location will be posted the day before. Entry sign up will begin at 8:00 on sale day and entry will be based on sign in time.

This is the complete liquidation of a well-equipped home woodshop with a combination of professional and entry level tools. The highlights include...

- ◆ Jet Dust Dog dust collector
- ◆ Vertical air compressor
- ◆ 10 inch General table saw
- ◆ Delta 6 inch joiner,
- ◆ DeWalt planner
- ◆ Jet Floor Model spindle sander
- ◆ Jet combination disk/belt sander
- ◆ Tormek sharpening station
- ◆ Rockler router table
- ◆ 12 foot long 31 inch wide and 2 1/4 thick hardwood bench top.



## HISTORIC WOOD-WINDOW SHOP

*Steve Poland*

Patrick O’Neill, our landlord, knows the owner of a traditional wood window manufacturing facility in Monitor, Oregon, a few miles outside of Mt. Angel. The owner, Donovan Harding, scheduled an open house for the Vintage Tool Collectors, some other wood window makers in the valley, and invited the Guild to round up a small group of members for the visit. Nine of us made the journey, and it was absolutely a treat.

Donovan explained that he graduated from college with a degree in Russian Literature during a recession, and decided he was going to plot his own career. I don’t recall if he explained how he got aimed in this unique direction, but the outcome was that he started searching out and purchasing line-shaft driven manufacturing tools mostly from before and after 1900. Many of them came out of major Northwest firms such as Nicholai Door, Specialty Woodworking, and a large plant in Walla Walla.

These are large, heavy, and very complex machines, and with well over 100 years of experience, they required thorough restoration. Donovan said he typically had a day of contact with the seller’s millwright while moving machines onto a truck, so there was not really any training on them. The guy is obviously a genius because he then de-rusted, made new bearings, made patterns to cast missing parts, repaired other parts, and then figured out how everything worked. His attention to fine detail was evident, when he showed us the shaper blade room. Four walls of a 12’ square room completely filled with shelves holding an array of shaper blades, most of them inherited along with the machines. He explained that



there are typically pairs of identical blades to go in opposing sides of the shaper heads, and many times these heads have 4 slots. To complicate this further the “cope and stick” assembly requires a set of inverse shaped blades for the end grain cope that have to exactly match the profile on the edge of stile and rail sticks. We are not done yet... In order to produce the smoothest possible profiles, he

eliminates vibration in the shaper heads by balancing the weight of each member of the cutter set to be equal, and then further balances the center of mass location to match throughout the set.



We had first walked through the plant with Reuben, his

apprentice/disciple, who explained the type and purpose of each of the probably 50 or more machines:

- ◆ A tablesaw with both a rip and a cross-cut blade, where two arbors on the end of a rotating arm enabled selection without tools.
- ◆ A 40” wide jointer and several equally gapping planers. (probably not so quiet in operation)
- ◆ A collection of hollow chisel and chain mortisers.



(These are powerful machines that seem to operate with so much irrefutable mass that you could punch through a 12x12 oak barn timber without any stress or



continued on [page 10](#)

## HISTORIC WOOD WINDOWS...continued from [page 9](#)

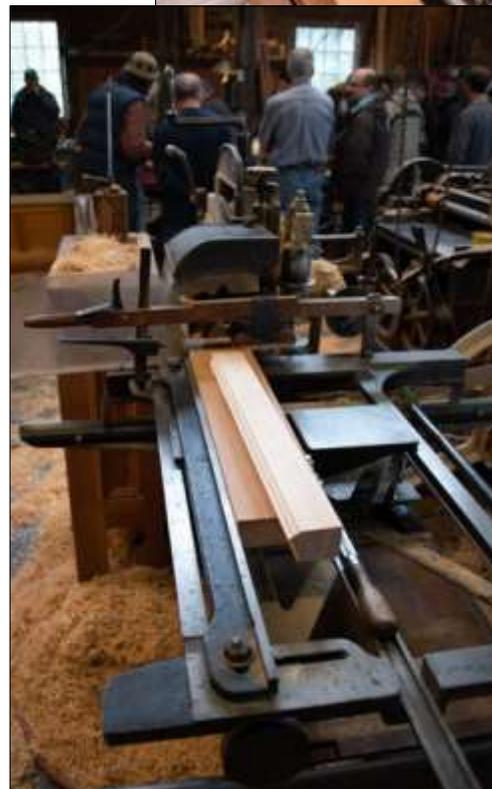
squeal.) Many of these operate at low rpms so are surprisingly quiet.)

- ◆ A couple of dual head shaper tables for making curved sash frames. The heads rotate opposite directions, so you select which one is appropriate for each section of grain runout.
- ◆ There were 4 or 5 machines that were designed with 5 or 6 shaper heads arrayed around the work piece path, so you could run raw stock for sticks and make the glazing rabbet, the ogee molding and sash cord dado and sash cord anchor knot pocket in a single pass.
- ◆ A special machine that milled the “almost cut through” perimeter of the sash weight access panel in the frame.

...and many more, we were boggled and amazed.

Then on the way out we went through a newish shed building he built just to house a couple of additional machines that he is restoring. I don't even know what these do, but he has turned them into works of industrial art.

What a privilege to see this historic and still productive piece of northwest woodworking heritage!



## ARE YOU A WOODTURNER OR WANT TO BE A WOODTURNER?

*Roger Crooks*

The Guild covers many aspects of woodworking but does not teach woodturning. The main reason is that we have three great local clubs; Northwest Woodturners (west side), Cascade Woodturners (east side), and Southwest Woodturners (Vancouver) that offer classes, demos and help.

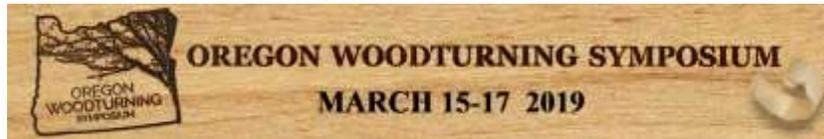
These clubs, plus a number of other clubs, put on a local symposium every two years. This year, the symposium has a list of demonstrators that are unmatched for a local symposium. It is an excellent opportunity for anyone interested in woodturning to see what it is all about, learn from international experts, and view/buy the latest and greatest tools.

**What: OREGON WOOD TURNING SYMPOSIUM-**

**When: MARCH 15, 16, & 17, 2019**

**Where: Albany, Or**

The Oregon Woodturning Symposium returns to the Linn County fairgrounds in Albany, OR March 15,16 and 17, 2109. The two previous symposia were highly successful and very well-received. This edition will present another outstanding slate of demonstrators. We will have *Sam Angelo, Jimmy Clewes, Cynthia Carden Gibson, Michael Hosaluk, Art Liestman, Glenn Lucas, Richard Raffan, Seri Robinson, Jim Rodgers, Dave Schweitzer and Curtis Sebeck* demonstrating to expand your woodturning skills.



The vendor show is back, helping you satisfy that tool shopping urge.

These names are very familiar to turners but if you have not heard of these people, here are some notes;

**Richard Rafin** – Teaching basic turning skills for the last 30 years, this may be his last visit to the US doing demos.

Often credited as the godfather of turning, he has helped the turning industry to take off.

**Jimmy Clewes** – He is as good an entertainer as a turner. Using classic British humor, he makes turning easy to understand and offers creative ideas to spice up your design.

**Michael Hosaluk** – Do you think turning is making bowls, platters, pens, and hollow forms. He will show you how to make incredible items that you might see in a weird dream.

**Glenn Lucas** – Example of a world-famous turner who turns thousands of bowls. He will also stay after the Symposium and put on three days of demos and classes for NWWT. On Monday, March 18, he will put on a all-day demo, open to all, at the MAC for \$45.

Register at <https://nwwt.wildapricot.org/event-3206173> or for more information, ask Roger Crooks ([guild.rogercrooks@comcast.net](mailto:guild.rogercrooks@comcast.net))

For more information and to register for the symposium go to [oregonwoodturningsymposium.com](http://oregonwoodturningsymposium.com).

## CONTRIBUTE TO THE NEWSLETTER

*Linda Howarth*

Your opinions, suggestions, and thoughts about the newsletter are always encouraged.

Your articles, photos, announcements, etc. are also encouraged. Articles etc. can come from any Guild member and can be on whatever woodworking topic you think others might enjoy, learn from, or otherwise be interested in, such as...

- ◆ a project you are working on now or have completed recently
- ◆ a technique that you just discovered or have developed that others will learn from also
- ◆ a woodworking mistake you made and how you fixed it, or didn't

- ◆ something you built for your shop that makes woodworking easier.
- ◆ an original cartoon or drawing - woodworking related, of course
- ◆ a job you just completed from the Job Request list

Also, remember to send in a photo and brief description of a project you have recently completed for the Show & Tell page.

Everything must have been received by end of day on the 25th of each month that way I can get the newsletter out by the end of that month.

Send everything to me at  
[goow.newsletter@gmail.com](mailto:goow.newsletter@gmail.com)

## JOB REQUEST - 300+ BOTTLE WINE RACK ✓

*Morgan Patton*

I accepted and completed a custom wine rack that came through as a Guild job inquiry.

I was hired to build and design a custom wine rack that holds 306 bottles for a new residential wine cellar. I built the entire rack out of custom milled, quarter-sawn Sapele. The wood was left unfinished as per the client's request. The entire thing is joined together with dowels and Titebond III.



## HAND TOOL MAINTENANCE

### Learn by Maintaining the Guild's Hand Planes

The Guild Workshop has a number of hand planes that need tuning up and we are planning to offer a free fettling and honing session.

Our new, volunteer, shop manager, Ken Hall, would like to invite all members to join him, and several other volunteer shop maintenance members in a session to fix up those hand planes. When we have enough people sign up, you will be contacted when we schedule a date. This will probably occur on a couple of Monday evenings.

Come join the members who help keep your Guild shop running smoothly! Meet new people and learn to tune up hand planes! No experience necessary!

Get in touch with Ken Hall <[ken@old-scholls.com](mailto:ken@old-scholls.com)> if you are interested.



## PLEASE APPROACH THE BENCH - STEP 4

*Gary Weeber*

I did it! No other story has seeped into my brain and so....*You could feel the tension in the room. This was the first therapy session Kirk had attended and he felt totally out of place and regretting that...DANG IT! Did it again. Man! So sorry.*

Back to the workbench...and those stretchers, legs and feet. Let's do the M&T joint for the leg/stretchers first.

When possible I like to draw my mortise on the first piece so that I can check it closely prior to making the first mortise. On the leg blank I drew both the parameters of the mortise as well as the lines where the four edges of the stretcher would land. Verifying that it looked OK, I went to the drill press; set up my stops; and used a



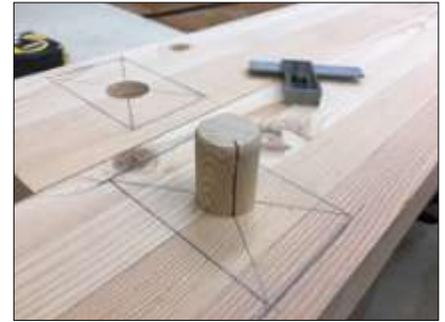
forstner bit to clear out most of the waste. From there each mortise was chiseled out to final dimensions. In the design I knew that there would be two mortises in each leg and that I would have to consider their relationship to each other. I did not want the mortises to run into each other so I took that into account when determining final size. Being as dumb as the next guy, I also made sure to mark exactly which side of each leg would receive the mortises.

That done, I then used my tablesaw with dado blade to make matching tenons on both ends of the stretchers. I like to make the tenons after the mortises since it is easy to sneak up on the final dimensions of the tenons that way. Since all the mortises were the same size I only had one setup to deal with to make the tenons.

This is where it got tricky. Are you excited yet? On the stretchers in the front and back I needed to deal with the bolt and barrel nut since those M&T joints would not be glued. Following? Knowing that the bolt would be going through the leg, I drilled the holes for those on my drill press. Then, by inserting the bolt through the hole of the leg I determined the relative location of where I would need to drill the access hold for the barrel nut on the side

of the stretcher. Still following? Well, I am sure there is a better way. I got it done but it was a pain in the *(cue donkey to bray)*.

Moving down the leg past the ankle *(there's an ankle? NO!)* I finished the feet. I had previously drilled the mortise hole in the bottom of the leg (see picture of drilling the leg for the bolt and barrel nut). I now did the same for the feet with a forstner bit. I planned to make some profile changes to the feet but wanted to be sure I got the mortise drilling done while the foot was still in 'block' form. Once that was done, I used the bandsaw to



rough saw the final profile, finishing the profile by sanding.

The next part of the build I addressed was the leg vise and related mortising. I milled a 'block' for the leg vise chop that was of adequate height for the bench and width for the criss-cross mortise (leaving some 'meat' on each side of the mortise). Using the dimensions in the drawing provided by



Benchcrafted (criss-cross manufacturer) I then made a template guide to use with my router. Inserting a 1/2" upcut spiral bit, I hogged out the mortise on both the leg vise chop blank and the front left leg. On the left you can see the result of the two 'monster' mortises. I will profile the chop but will first drill the hole for the vise screw. You



*continued on page 14*

**APPROACH THE BENCH** ... continued from [page 13](#)

will note that I have already drilled the screw hole just above the mortise on the leg and you can also see the saddle at the top of the leg for joining the leg to the top.

OK. Time to stop and see if this stuff actually goes together. *Drum roll please.* I proceeded with a dry fit including the top, legs, stretchers...doing so with the unit upside down on my assembly bench. With only minor tweaking it all fit! Yahoo! Start up the dance music!

Next time we will cover the drive to the finish (hee, hee). The end process will include:

- ♦ Make the sliding deadman and complete the sliding components so that it can easily be moved and removed from the bench.
- ♦ Do the initial finish on the frame and table parts that are easily accessible while the bench is upside down.
- ♦ Mount the bench vise on the end of the bench while the top is upside down.
- ♦ Complete the leg vise chop and mount to the bench.
- ♦ Glue up the bench.
- ♦ Make the bottom shelf and mount.
- ♦ Make the trays that will go in the bench split.
- ♦ Apply the remainder of the finish.

See ya in the next newsletter...*he had ever agreed to attend the group. He now knew Emily was right when she said the first meeting was the hardest....Drats!*

**THE GIFT**

*Gary Weeber, Vice President*

No, this is not about a 2015 psychological thriller movie. These are just some post-Christmas thoughts as we look ahead to 2019 as a Guild. Here goes...



Gifts (especially holiday gifts) are interesting when you stop and think about them.

First of all, they are usually distinctive and at least somewhat unique by appearance. Some are well wrapped; others are not. They have some common elements but each one is also unique in some way. Normally, they have a name attached.

Second, they are usually personal, meaning the contents are intended for a particular person. Even the wrapping is sometimes selected due to the known preferences of the receiver.

Third, the container for the gift...a box, bag, whatever...is normally selected to match the contents for one reason or another. It could be size, weight or some other factor. BUT, sometimes the packaging is a ruse. It may be a big box with a small gift, ya never know. Surprise!

Fourth, it is usually intended to provide pleasure, enjoyment or some function...in other words, it has a constructive intent.

Fifth, it is a reflection of value. It is someone saying to someone else, "I value you for 'whatever reason' and this package is intended to reflect that".

Finally, it is a mystery (normally). What is that? Can I shake it? Hmm, what was on my list? You get the idea.

So what's the point here? I suggest that as we look forward in 2019 we consider every 900+ member of the Guild as a GIFT to each other. When you think about it, they really are like holiday gifts in so many ways. We all look similar but different; each of us is personal; the outside does not necessarily reflect what is inside; each can provide pleasure, enjoyment, function; all have value; and each of us is, at least to some degree, a mystery.

Let's make 2019 an extended holiday. Take this year to unwrap other members (NOT LITERALLY!) by getting to know them and find out how they are a gift to you. If you look into the eyes of other members and see a gift inside, then you have unlocked a treasure that could bring you some of the best experiences in your life. Sound intriguing? Oh ya.

Here's to 2019 and the unwrapping party.

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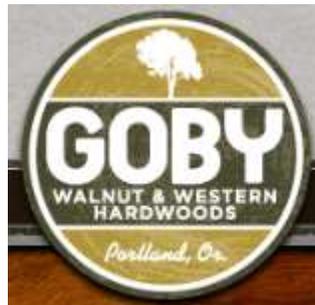
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