

# OREGON WOOD WORKS

## A LOT GOING ON...THAT NEEDS YOUR HELP

GIG LEWIS, PRESIDENT

Did you know that we are averaging a net increase of about 20 members a month? And with over 500 members we need a lot of volunteers to help manage the Guild to make it better. We need more member involvement, help in the following areas:

- ◆ Operations Committee: safety - machine maintenance - tools - facilities
- ◆ Education Committee: green card instructors - beginners how-to class - shop assistants and instructors for the Shop assistants
- ◆ Community Projects: Open House Ministries - Hosford Middle School
- ◆ Events Committee: program set-up and take-down help - event coordinators for the fairs - production team to help make tool box kits for the kids

This Guild has done many things right over the last 10 years that have helped us grow. We are going to do a lot more things to

keep it growing and be the Guild that our members want. With this growth rate we will be over 600 members by the end of the summer. We are having members get burned out because the work load is not better balanced. **BE PART OF THE SOLUTION.** If you are wondering what being a volunteer means, come and join us for a meeting of possible volunteers on April 3rd, at 7:00PM at the shop. Please email Gig if you are planning to attend the volunteer meeting. [giglewis42@gmail.com](mailto:giglewis42@gmail.com).



More interesting things are happening. We have lots of new classes coming on line to a shop near you. The education team is scheduling classes out to August at this point and are working to fill up the rest of the year. If you have a request or suggestion for a

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### NEXT PROGRAM — THURSDAY, APRIL 10, 2014 7:00PM STRESS FREE GLUE-UP AND ASSEMBLY The Guild Shop, 7634 SW 34th Avenue Portland, OR

It is said that nothing is built without being put together. The April meeting is about putting things together. While not often written about or talked about, the glue-up process is a vitally important part of woodworking. As the creation moves towards completion, there is more and more value added, so the cost of failure increases. Glue is a time sensitive ingredient added to the mix, along with clamps that can dent the wood. Before you know it, there is a lot of stress involved.

But it doesn't need to be this way. You can, with proper preparation and the right mind set, have a good glue up that does not shave years off your life! We will go over all the parts to a glue-up, from the place of assembly, to clamps and glue bottles with the right tips. And most important is the mind set of planning and calm thinking.

There will be demonstrations and examples of glue-ups in a variety of different forms, that will show you exactly how to handle the assembly of your next piece. We will also go over how to correct mistakes, and clean up the glue squeeze out. If you have ever had a bad experience or are nervous about the process, this meeting will give you the confidence to move forward.

Board meeting at 5:30

From the west, Allen becomes Garden Home and then becomes Multnomah Blvd.

From the East, off I5/Barbur Blvd, head West on Multnomah Blvd. Then:

To locate the shop, turn uphill, North, on 35th Avenue. At the stop sign, turn right, go one block, turn left. Go over the crest of the hill and as you start down, the shop is in the little center on the right. Drive downhill to the Multnomah Art Center to park and walk back. Park in both front and back of the Art Center depending on construction.

## THE MOTHER OF ALL SHOW-N-TELLS

ARIEL ENRIQUEZ

Oh good. I caught your eye! What am I talking about?

I'm talking about our annual Intra-Guild Show. 2014 will be the 10<sup>th</sup> year for this event. The show provides an opportunity for every Guild member to present a piece of their work in a friendly competition that's really more about celebrating our collective love for woodcraft than it is about trying to out-do the next person.

What began a decade ago as a two-hour event during a general meeting has evolved into a three day exhibition held in conjunction with the Gathering of the Guilds (<https://www.facebook.com/gatheringoftheguilds>) craft show. The venue is the Oregon Convention Center. As part of that event our Guild hosts a Fine Woodworking show for professionals; the annual event that gave birth to our Guild back in '78.

As I said, every member is eligible *and encouraged* to participate in this. After all, you've been sweating out those classes in that awesome shop we now have, learning all sorts of good stuff, so why not proudly present to the world your latest piece of work? It costs you nothing to enter and nice prizes can be had by the top three winners in each category (Novice, Intermediate and Advanced). You decide what category you enter but be forewarned; winning any ribbon (1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup>) in either of the first two categories will automatically promote you into the next level for any future I/G entry.

Of course we have to have rules for this and they couldn't be simpler. Rule #1, the work is done by you alone. Rule #2, the work is not a kit. Rule #3, the work was created within the last 2 years. Rule #4, the work was not previously shown in this competition.

Mark your calendars for the first weekend in May. Be prepared to have your creation viewed and admired by thousands of visitors at the Gathering. While you're at it, you'll want to take time to visit the entire event that weekend at the Convention Center. You will enjoy viewing the wood section, of course, where we'll be hosting artisans from all three west coast states with woodwork that will simply amaze you.



*Best of Show award*

In addition to our wood section, you can visit the annual shows of five other major crafts Guilds. Those include the Creative Metal Arts Guild, the Oregon Glass Guild, the Portland Handweavers Guild, the Portland Bead Society and the Oregon Potters Association. In all, this event brings together right around 300 artisans under one roof for a three day showing/selling event unlike anything you'll find anywhere else in Oregon. Just in time for Mother's day too! Best of

all---it's entirely free admission to see it all!

More details on the Intra-Guild event and the Gathering can be found on our website and in next month's newsletter as well. Any questions that can't be answered through those means can be directed to me at [arielyphyllis@gmail.com](mailto:arielyphyllis@gmail.com). With that I'll say good luck to everyone and remember to *keep your fingers!*

### Below, some examples from prior years



*From the elegant...*



*... and traditional...*



*...to the whimsical.*



## LAST MEETING: DESIGN, BY HAND AND BY EYE

BOB OSWALD

George Walker, noted author for *Popular Woodworking*, brought a nice perspective to woodworking tonight. Many of you have expressed interest in knowing more about how to design furniture. I design most of my own things now but don't use any formal approach. Things come out looking very nice, and it must be the cave man memory of looking at many nice things, recognizing what I like and replicating them in some unconscious way. I'd like it to be more predictable.



George brought his perspective that pretty much followed his book, an autographed copy of which sits now in the living room.

Harking back centuries, he showed us how proportions, not dimensions, were used to create designs. That apron height is one fifth the size of the horizontal dimension, or some such ratio.

Squares and circles are drawn in combinations from 1:2, two squares beside each other, to fractional presentations. 3:4 and 3:5 as ratios are also used. And when you see the overall shape of one of these proportions, you can then see it presented in many forms in a piece of furniture.

On a higher plane, he referred back to the "Classic Orders", shapes and ratios of columns developed by the Greeks, that pretty much set the standard for proportion long ago.

He observed that many of the classic methods used by artisans of the early 19th century fell away with the advent of the Industrial Revolution. Moving to machines moved us to numbers, and we're losing the old art of design. George is on a mission to bring back the old ways of using proportions in design, and I laud him for it.

There is frequent reference in his talk, as well as in his book about what's pleasing to the eye. It seems to be related to what's pleasing to the ear, in the harmonic relationships of musical notes. They also form a basis for proportion that carries over into furniture.

I studied a recent piece, my TV stand, which has a somehow luckily achieved sense of balance, of harmony. Studying it last night with my new found George Walker perspective, I see many, many instances of the 3:5 ratio. By the way, the 3:5 ratio is a good first order approximation to the Golden Ratio". Five divided by three is 1.6, close enough.

Someone commented to George that he didn't use the



3:5 ratios—what do you think?

"Golden Ratio" term a single time in his talk. George commented that it was a fabrication (if I quote more or less accurately) of the 19th century (I could be wrong on the timing but recent compared to the Greeks). My take on it would be that it was ONE of the harmonious ratios George referred to (close to 3:5), and it was given a specific name. Whatever, it appeared exclusively in my cabinet. And past president and favorite lecturer Lee Johnson lived by it in many fabulous creations.

Another project in my living room, a pair of matching end tables is full of squares. I never visualized the square as attractive, but these tables are, and they are multiple combinations of squares. Fascinating again. I've been lucky, to a great degree. I hope to move ahead with this new perspective and perhaps drive a few new designs rather than being lucky.

Thank you, George.

## A Lot Going On (CON'T)

(Continued from page 1)

class, contact Chip Webster at [jdwebster3@comcast.net](mailto:jdwebster3@comcast.net). If you think that you might enjoy teaching a class in the future, also check-in with Chip.

The Green Card class is going to be restructured to better serve the various ability levels in the Guild. We had our first Green Card on steroids class, a subject suggested by the Beginner's SIG, and did we learn a lot. We had the table saw portion planned for one hour and we used three hours teaching what we think a user would need. A BIG surprise for the instructors. We will be re-writing this class syllabus to reflect our new knowledge.

The Safety committee has finished their report on two incidents that happened in January. There will be a few changes to our shop protocol from this experience. The Safety committee is now going to be structured as part of an Operations team. Yes, we now have an Operations team that will take care of running the shop and taking care of the safety issues. We would like to have three members join Ray Curtis and me on this. If you have any industrial experience on a Safety Committee please come and help. We will need someone to be in charge of periodic maintenance on all of our tools and another someone that can help be a Facility manager, too. So all together the Operations committee would like to have at least three Guild members step up to make the Guild better, and six would make each person's job a little easier. Don't be bashful. Come to the meeting on April 3rd at the shop at 7:00 PM

On July 19th we are planning on a Guild Picnic somewhere. It's "somewhere" because our first choice has fallen through due to an illness. If you have or know of a space large enough for 100 members and their families to meet and have a nice time, please give me or Jim Madaras a call. We have a very enjoyable and comfortable time at the picnics.

## SMALL PARTS, BIG TOOLS

BOB OSWALD

Working on a whimsical project at the moment, I need to make 140 of the little parts in the photo. They measure 1 1/4 x 1 1/2", 1/4" thick. They are easy to produce accurately on the table saw with a good sled and a hold down stick. The challenge is with the 'notches'.



Choices for production include:

- ◆ Scroll saw—very inconsistent size. These parts all interlock to form the treads and they need to fit well.
- ◆ Router—much as I love the router, with common tear out issues, it seemed too great a challenge.
- ◆ Table saw and dado blade—sounds mighty scary although the blades only stick up 1/4".

I debated holding the part very securely with both hands tightly gripping the miter fence. Over my shoulder, a voice said, "I wouldn't..". I listened and dreamed up the jig system with holding stick showing here. I'm glad I listened as, when the first cut was made, it was obvious that the violence of the blade could have been pretty nasty.



The technique is one I've used many times, containing the piece to be cut and using a holding stick. Two setups



## NEW TO WOODWORKING SIG

TIM HEATH

The group met at the Guild shop on Wednesday evening, March 19th, with twelve members present.

Attendees were treated to two excellent presentations. Bob O'Conner lead the evening off with an overview of router basics, in which members were invited to get some hands-on experience with his Porter-Cable. Renee Russell followed up with a segment on using hand planes to finish and refine projects. Attendees were very impressed with Renee's assortment of hand-made jigs, and her demonstrations of the shooting board and mitering tool wowed the audience. Both Bob and Renee's impressive collections of router bits, planes and gadgets gave many ideas for birthday and Christmas gifts.

Larry Wade then offered information on a new "experimental" class in which members would pick their own projects and use their own tools.

During the question and answer segment, attendees expressed continued interest in a presentation on sharpening hand tools. To that end, David Dunning has agreed to speak at the April meeting on sharpening tools and also demonstrate the different sharpening systems available at the Guild shop. This should be an informative and exciting evening. Plan to attend.

The next meeting will be Wednesday, April 16th, at the Guild shop, with Meet and Greet starting at 6:30 PM and the presentation by David Dunning at 7:00.

were required here, one for the center dado and one for the rabbets on each edge. The center was cut first. It was done with the miter gauge shown and a 1/2" dado blade. It took two passes to make the 3/4" cut, flipping the piece left to right. The notch visible in the holding stick is the remnant of that operation

Pictured is the configuration for the rabbet. Note the C-clamp holding the containment block. Squeeze clamp pressure is not reliable enough for me in this application. Two passes are required, the left side and the right side. 140 pieces later, they fit very consistently into each other.

It's a bit of a slow process and I shudder to count the steps. But it required:

140 miter sled cuts to shape them from long rip stock

520 dado and rabbet cuts

280 holes drilled through each end to allow for pins

280 disk sander passes to round the bottom edges

Assembled today they look great and flex well.

Believe it or not, it's a commission piece.



## Prime Time—Changes Coming

BOARD OF DIRECTORS

### Shop Time Changes

When we first leased the shop, we knew it would be a learning experience and that we would be making changes when things did not work as planned. We now want to address a serious issue with regards to member use of the shop. We have complaints where members could not schedule shop time, a shop attendant was not available or that the only times that were available were “non-prime time” hours. We also have poor utilization of the shop often with only one member in the shop with one shop attendant.

### Shop Customers

The shop has three customers; classes, community projects and members. One of the main driving forces for the Guild getting a shop was to have a place for classes and community projects. Now that we have the shop, the number of available classes has skyrocketed as have the number of community projects we are working on. That is all great but it has limited the time for members to use the shop, especially during prime times (evenings and weekends).

### Actions

We are doing a number of things to open up more shop time for members especially prime time slots;

**Classes** - We are looking at a nearby location to conduct classes that do not need power tools and thus will free up more prime time shifts for members. This may happen in the next quarter or so.

**Community service** - We are cutting back slightly the time the shop is available for community projects during prime time by moving some shifts out of prime time.

**Member Usage** - We are moving to a more structured scheduling of the shop for users.

### Member Shop Time Scheduling – New Plan

To ease the problem of scheduling shop attendants and to make more efficient use of the shop during prime time, we are moving to a more structured schedule approach. But because of current commitments, we cannot implement the new plan overnight. So for the next few months, you will see a transition to the final plan.

## WELCOME NEW MEMBERS

BOB OSWALD

Welcome to all of the following 23 new members in chronological order: Mark Watts, Gabriel Guard, Jan Kuhl-Urbach, Darell Duffy, Vanessa Martinez, Ana Bolling, Curtis Sluyter, Arthur Clemente, Ken Nolan, Dennis Baker, Chris Dennett, Jerry Love, Garrett Snowden, Victoria Harbick, David Jeske, Allan Trinidad, Chris Moe, Gary Martel, Jane Fox-Kekona, Shiloh Garvin.

We hope you'll make a regular appearance at the monthly programs. We're happy to have you with us. Say hello to an officer at the next meeting so we can get to know you.

**The Plan** - Rather than an open schedule there will be set times for member shop usage. An *example* schedule might be alternating weeks where every other week is the same.

### **Week A and Week C – 8 shifts a week – 4 in prime time**

Mondays = Morning, Afternoon, Evening  
Wednesdays = Morning, Afternoon, Evening  
Saturday = Afternoon, Evening

### **Week B and Week D – 8 shifts a week – 4 in prime time**

Tuesdays = Morning, Afternoon, Evening  
Thursdays = Morning, Afternoon, Evening  
Sunday = Afternoon, Evening

### **Benefits**

Members will be assured that the shop is available at known times and can plan accordingly. Rolling schedule allows for most days of the week to be available twice a month.

We can preschedule shop attendants well in advanced and they can schedule their time more effectively

Better utilization of the shop and shop attendants.

You will receive more details on this plan over the next few months. Our goal is to have a fixed schedule for June and open up as many shifts for members as possible between now and then. It is a major change but hopefully it allows everyone to schedule their time more effectively. As always the Board of Directors welcomes your feedback.

## FROM THE EDITOR

BOB OSWALD

Can you read this? It occurred to me this morning that I use Windows' magnifier quite a bit lately. The print is so small. In case you didn't know it, Windows 7 and 8, and possibly earlier versions have a great magnifier. You hold the Windows key and press “+” or “-”. Fantastic. It navigates like today's tablets. It took me a little getting used to but I love it.

**BEGS the QUESTION:** The newsletter default font is 10 point. I could generally raise it to 12 point but it would mean a little less content. This column is 12 point. The Welcome above and to the Prime Time on the left are 10 point.

Opinions?

# RAFFLE, THE BIG SHOW

BOB OSWALD

The Guild will be holding a raffle at the upcoming Gathering of the Guilds show. Buy tickets at the next Guild program meeting, or at the show. You don't need to be present to win. There are only 200 tickets printed this year. Tickets are \$5 each and the proceeds go to turn the wheels of the shop. Some really nice prizes, hand made by our professionals, are being offered.



### Five Fifths Furniture:

Floating Whatever

Bud Vase

### Alley Cat Arts:

8x10" Framed QSWO

### Ajia:

Cutting boards

### Bob's Woodshop:

Child's chair / Stool



For those who don't know about QSWO, including me, QSWO fumed is a finishing process (from David's web site [www.alleycatarts.com](http://www.alleycatarts.com)) - To further make the grain "pop" we offer an option to fume the oak in an ammonia tent for three days. This process reacts with the tannins in the wood and pre-darkens the wood prior to staining but also makes rays and flecks really stand out. Using a creative combination of stains and varnishes further enhances the look.



# COME ON DOWN!

ARIEL ENRIQUEZ

Your Guild wants *you!*  
 By now everyone has heard of the Gathering of the Guilds taking place this coming May 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup>.

This mega-sized craft event that our Guild participates in is like none other held in the Northwest. The reason for that is simple. We're united with fellow artisans who themselves belong to their own non-profit organizations, and as we all know by now, non-profits depend on willing volunteers to make it all happen. Volunteers like you!

If you're one of the 150+ new members of our Guild who've joined up in the last few months, this is your chance to take part in our biggest and brightest event of the year. All we're asking for is a couple of hours of your time and we promise you a very good time. Really!

Many of you have already stepped up during the call for volunteers at the last two general meetings. Now is the opportunity for those of you who couldn't make those meetings to step up. Don't be shy; there's nothing difficult about this job.



*The Guild presence at the 2013 show*

Here are just a few of the feedback comments our volunteers gave us after working last year's show:

*"Seeing all those beautiful glass pieces rolling into the hall...I'm going to have to bring my wife down here!"*

*"You won't believe it but I just spent an hour and a half in this hall and did all the Christmas shopping for this year. And I did it all by supporting Oregon crafts folk. Fabulous!"*

*"Those artisans were really grateful for the load-in help. And the pizza wasn't bad either! Thanks boss!"*

*"They're glass blowers, metal benders, weavers and beadlers but somehow, it feels like a family."*

If you can spare a couple of hours and help make this another winning show, please contact the Show Chair, Ariel, via email at [arielyphyllis@gmail.com](mailto:arielyphyllis@gmail.com).

He really needs you!

## GUILD PRODUCT BUILD PROJECT

ED FERGUSON

One of the Guild’s service activities is the Product Build Project. The group participating in this project makes wood products that are sold at various venues, such as the Gathering of the Guilds. The proceeds from these sales go to support our Guild programs. Generally, the products are smaller items such as breadboards, boxes and toys. Currently, the project group is building 20 step stools with wedged tenons, which are proving to be a great opportunity for the participants to tune up their hand tool skills.

This is an ongoing project and new participants are welcome. It is a good opportunity for members...including beginning woodworkers...to get acquainted with the Guild Shop, work with other members on a project that benefits the Guild, and enhance their woodworking skills. The Product Build Project has standing shifts in the Guild Shop on Tuesday afternoons, 1:00-5:00pm, and Sunday evenings, 5:00-9:00pm. Please contact Ed Ferguson at [ed-bikes@comcast.net](mailto:ed-bikes@comcast.net) if you are interested in joining the group.

The step stools are taking shape. This one will have the legs tapered, the top chamfered and the through tenons wedged and trimmed before finishing.



## HIGH SCHOOL NEWS

BOB OSWALD

**Sherwood**—the Bowman house tradition is underway again, under the tutelage of Jon Dickover. Jon teaches woodshop, and one of the major projects is building a house to sell. It’s a two year project. The end of last spring saw the completion of a home in Sherwood that has subsequently sold. The proceeds buy more land and the materials to build again.

The kids do virtually everything, from design, through foundations and framing, to the finish work. Gaston did the cabinets last year and has the contract to do them again on this project. You should stop by and see what high school kids can do.

**Gaston**—Work is vigorously underway building furniture as part of their Woods II woodworking class. Helping out the other day, camera in hand for a different reason, as I looked around at the beehive of activity, it seemed appropriate to give you a sneak preview of the items that will be showing up at the Gathering of the Guilds Student Exhibit .



*Gluing up a top*

Mostly girls in these two classes, it’s exciting for me to see them taking this opportunity, and excelling at it.



*Filling voids*

There are a much larger variety of tables this year, individual creativity being the byline for this year.



*Jointing skirt boards*



*Trimming skirt boards*



*Preparing for CNC routing*

## ROUTER-RIGHT TO LEFT?

BOB OSWALD

*“This thing scares me. It grabs the wood right out of my hands.”*

It's one of the common experiences people have had when asked in my class about their use of a router. Probably the most common and likely situation is cutting in the wrong direction.

First imagine mounting your table saw blade backwards. What will happen when you start a rip cut? It should be obvious to the most novice woodworker that it will be hurled off the saw away from you at a very high speed. We'd never do that, right? Well, then I can pointedly say, “Then why would you do it with a router?”.

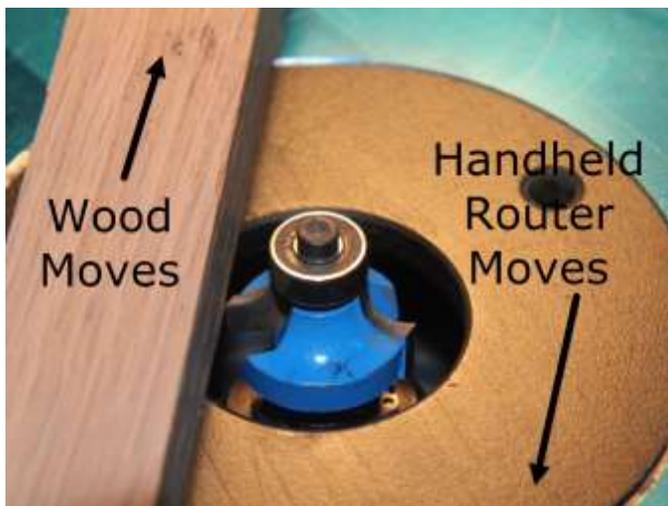
The answer is relatively simple. The cutting bit is very much smaller, not as obvious where the “teeth” are. It's compounded by the fact that the bit usually is buried inside the wood where you can't see it. So we grow up somewhere along the way using a rule to keep us safe. “Right to left” when it's upside down under the router table, which must mean left to right when you're holding it. Right...sometimes. WRONG...sometimes.

It took me years to discover my own method that only has one rule and it always works. Hold the wood, or the router, in position ready to cut. **LOOK AT THE CUTTING EDGE.** That's the rule. Like a chisel, or saw blade or plane, you push the cutter **INTO** the wood. Of if you mounted the plane upside down in a bench vise, you would push the wood **INTO** the cutting edge.

In the photo below, look closely at the cutting edge. If this is table mounted, the wood will be moving into the cutter. If we are looking underneath at a hand held router, the router moves so that the cutting edge is cutting.

As much as I use a router in all kinds of configurations, I still have to look at the cutting edge and make sure I'm going in the right direction.

The right to left rule is dangerous because there are many situations where you will be moving in the wrong direction.



## SHIRTS & JACKETS

ROGER CROOKS

Getting final prices on a couple of items. You will be able to order them on the website via paypal.

Watch for a denim shirt on the home page. It will be a quick link to the ordering page.

Everything is reasonably priced at break even cost

## THOSE ODD JOBS

BOB OSWALD

Many of you know about the job postings I make now and then. New members may not have picked up on it when signing up, but there are two email options available in your membership. “Odd Jobs” and “Sale Items”. If these boxes are checked in your email you will be notified when an opportunity comes along. This is usually less than one every couple of weeks.

If you want to be on (or off) the list, log in, click view profile right under the login box in the upper right and follow the hopefully obvious path..

A warm note from a recent posting and a big thank you to Brian Capshaw for his feedback.

*I just wanted to say "Thanks" to Guild members Bob Oswald, Matthew Hickey, Dave "the Vancouver Woodsmith", and especially Butch Miller. After Bob posted my need for access to a wood shop, Matthew, Dave and Butch all responded. I ended up driving to Woodland to use Butch's place, and it turned out great. Butch was a perfect example of how generous woodworkers can be. I just wanted to drop a note to let you know.*

## BOARD MEETING MINUTES

The Board of Directors of the Guild of Oregon Woodworkers meets monthly before the general meeting. Minutes of this meeting are available on the Guild website at [www.GuildOfOregonWoodworkers.org](http://www.GuildOfOregonWoodworkers.org). Click the “Board Minutes” entry under Members Only.

## WANDERING THE WEBSITE

BOB OSWALD

There's a section under the Woodworking Resources tab called links, common to many sites of course. This has been carried over from our prior site several years ago. I'll have to admit I don't spend much time maintaining this section.

If you have links worthy of sharing with other members, or find any of these broken, I'm open to an email.

## IT'S SPRING, IT'S TIME

BOB OSWALD

It's time to do some project work in preparation for and in anticipation of a warm and wonderful summer. And what better project than to replace an old, worn out picnic table. Or perhaps build a first one.

Two tables dating back to antiquity and having served well, are well beyond their useful years in my yard. Studying the construction revealed what promised to be a pretty easy project. And it turned out to be incredibly easy to build.

This one is shorter than the average, at five feet. The typical one is six feet long. Turns out to be absolutely perfect for two couples.

Tight knot cedar is a good choice, cheaper than clear and attractive with a few knots. Material is five, ten foot 2x6's and two, twelve foot 2x4's and a box (100) of #8 x 2 1/2" deck screws. The project used 98 of them.

It's a one afternoon project. Cutting the ten footers in half went fast. Lay them out flat, five for the top and two for each bench with 1/4" spacing. The four legs are 32" long, cut at a 31 degree angle top and bottom to form a parallelogram.

The top support (2 req'd) is 29" long 2x4, cut at 45 degrees on both ends.

The bench board (2 req'd) is a 55" long 2x4, cut at 45 degrees on both ends.

Cut battens 1 1/2" square from the left over 2x6. Three for the underside of the top and three for each bench. Again a 45 degree cut on each end.

Assembly went so fast I wondered if I was missing something. The battens are screwed to the bottom of the top and benches, two screws per board. The battens should end about 3/4" from the edge.



## EDUCATION

### GUILD UPCOMING CLASSES

#### NL Series II: Understanding Hand Planes

Apr 12, 9-4, \$120

Instructor: Dennis Rodriguez

Coordinatoor: Sean Ben-Safed

#### Basics of Fine Woodworking

May 31, 9-1 and 9 more sessions, \$195 for 10 session series. (see web site for details)

Coordinator: Dennis Dolph

#### Purchasing Hardwoods for Your Project

Jun 14, 9-5, \$165

Catlin Gabel School

Instructor: Jeff Zens

Coordinator: Craig Jones

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, 97219

### AFFILIATE UPCOMING CLASSES

See their websites for more details and offerings

#### Northwest Woodworking Studio

A Brilliant Chair for a Tiny House

Apr 5&6

Instructor: Gary Rogowski

#### Oregon College of Art and Craft

The Fruitful Banjo

Apr 11-13

Instructor: Eddie Miranda

#### Portland Community College

PCC offers woodworking classes for Beginners & Basics. Also special classes for Women and Seniors.

Registration for Summer term begins May 27.

The leg frame is laid out and screwed together as a unit; study the photo to get the idea. Four screws at each crossing, invisible on the back side where possible. The legs are then screwed to the top battens and the bench battens take the screws for the seats. A couple of triangular braces underneath, from the bench board to the bottom of the table top complete the project. Assembly took about 20 minutes with a screw driving gun and predrilled holes for the first half.

It's beautiful, smells heavenly, and right now, soaking up some equinox sunshine, it feels good. If you really want to build one I'll help with extra details. Total time, three hours. Total cost, about \$100.

timbercreek08@gmail.com

The Guild of Oregon Woodworkers is a group of professional and amateur woodworkers committed to developing our craftsmanship. The Guild offers many benefits for members, including:

- Monthly educational programs
- Monthly newsletter
- An education program to help members develop woodworking skills
- Sponsor discounts
- Woodworking shows
- Network of business partners (the key to our development as members and as a Guild, providing additional learning opportunities)
- A woodworking shop with space to rent
- A network of friends

For information on how you can become a member, see the Guild website listed below.

# GUILD OF OREGON WOODWORKERS

10190 SW Washington St., Portland, OR 97225

## CLASSES, SEMINARS, DEMOS, AND SUCH

Northwest Woodworking Studio 503-284-1644, [www.northwestwoodworking.com](http://www.northwestwoodworking.com)

Rockler Woodworking 503-672-7266, [www.rockler.com](http://www.rockler.com)

Oregon College of Art and Craft 503-297-5544, [www.ocac.edu](http://www.ocac.edu)

Woodcraft 503-684-1428, [www.woodcraft.com](http://www.woodcraft.com)

Woodcrafters 503-231-0226, 212 NE 6th Avenue, Portland, [www.woodcrafters.us](http://www.woodcrafters.us)

## THE GUILD IS PROUD TO BE SPONSORED BY:

Barbo Machinery  
Carbide Saw  
Emerson Hardwood  
Goby Walnut Products  
Hardwood Industries  
NW Figured Wood  
Rockler Woodworking  
SawStop  
Woodcraft  
Woodcrafters



- ◆ Some sponsors offer discounts to current Guild members.
- ◆ \*\* denotes Scholarship Sponsor

### Affiliates:

Northwest Woodworking Studio  
Oregon College of Art and Craft



## Guild of Oregon Woodworkers

c/o Bob Oswald  
40639 SW Vandehey Road  
Gaston, OR 97119



**We're on the Web!**

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