

OREGON WOOD WORKS

THE SEARCH

GIG LEWIS, PRESIDENT

Five years ago we announced our plans to find a shop for our own use, instead of borrowing and renting spaces. At our Board meeting on May 15th, 2013, The Board approved our leasing a completely outfitted shop in Multnomah Village. This shop has the following industrial quality tools: a Sliding Table saw; a 43-inch Sanding belt; a Jointer; a Planer; a 17-inch Bandsaw; a large Disc sander; a horizontal Boring machine; and a large dust collector. Plus benches, work tables, and lots of other tools and accessories.

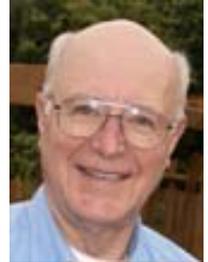
Over the last year I have looked at many possibilities only to discover that there would be major compromises necessary to make it work for us. In the last 6 weeks we were finally getting closer to what we felt we needed and that matched our check list developed 4 years ago at the Stark Street Pizza meeting with 40+ members present.

We were able to finally start looking at locations that had most of what we were look-

ing for. The first was near the St. John's Bridge, it would have been drafty and would have required lots of tenant improvements, the 2nd and 3rd were in Tigard and again would have required large dollars for tenant improvements. Finally the one we chose in Multnomah Village had been a production wood shop for 18 years and if we do any improvements they will be miniscule.

The plan now is to take possession on July 1st and try to get the major changes that we want to happen by August 1st. We will be needing things like routers & bits, orbital sanders, all sorts of hand tools, plus the incidentals like glue and sandpaper. We'll get a complete list out in early July if possible.

Remember that our Board has not started
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NEXT PROGRAM — WEDNESDAY — JUNE 19, 2013 7:00PM

CREATIVE WOODWORKING NORTHWEST

1036 SE Taylor St., Portland, OR

A great treat in store this month, a tour of Mike Redmond's shop, Creative Woodworking Northwest. Mike's been in business in Portland since 1982.

He makes custom millwork and moldings. His customers choose from hundreds of molding, siding and flooring profiles and then they custom-make whatever is required. We'll get to see their vast collection as well as the tools and procedure for making some of it.

Mike also rents his wide belt sander to the public. I've had work done there and am very pleased with the price and the results. If you ever foresee the need for it, this is a perfect time to look and ask questions.

Mike is generously hosting a barbecue before the tour. You can arrive starting at 6:00. Be sure to thank him and the staff for their kindness.

Directions: Downtown Portland, East side of the Willamette River. 3 blocks south of Morrison, 10 blocks East of the waterfront.

GATHERING OF THE GUILDS 2013

ARIEL ENRIQUEZ

Good job all around!

This year's Gathering of the Guilds was a humdinger of a show for our Guild. Once again, the "stars" of the event were our gallant volunteers, who assisted with the load-ins and load-outs of artisans and their wares. Not just for our vendors but the Glass, Metal arts, Weavers and Beads vendors too.

For that I'd like to thank the following...

Mark Coleman. Butch Miller. Greg Kaufmann. Richard Krause. Gary Weeber. Ron Senger. Larry Wade. Rob Youngren. Ray Curtis. Camilo Marquez. Chris Frazier. Dave Wiper. John Wheeler. Steve Haskett. Mike Rothman. Roy Woo. Scott Stonecipher. John Wheeler. Peter Borho. Bob Vaughn. Jim Rosser. Richard Miselis. Dave Dunning. Roy Gregory. Marcus Flanders. Don Scott. Paul Bernhardt. Ken Julkowski. Bob Oswald. William Moss. Bob O'Connor. Jeff Mecredy. Chuck Wissler. Herb Drew. Ed Vachal. Earl Swigert. Sean Berg. These people made the show happen. From the load-ins, the show time and the load-outs, without their contributions, well, it's hard to imagine this event happening without them.

Our floor showing was just under 7,400 sqft; the largest event yet to date. Exhibitors came from as far south as Weed, CA and north to Puyallup, WA.

Twenty-seven wood exhibitors displaying a wide variety of wood arts. It was an amazing collection of talent and a feast for the eyes of anyone who loves wood.

While this year's Intra-Guild Show didn't draw the number of participants of years past, the Student Exhibition was huge. Participating schools included Astoria HS, South Albany HS, North Salem, Sisters HS, St. Helens HS and Gaston HS. The level of talent exhibited by the youngsters ran the gamut from novice to master level. We thank the shop teachers who took the effort to get their student works into town for the show and we especially want to thank Guild members Dale Price, Ian Herdell and Bob Oswald for helping in getting the student pieces into town. Additional thanks go to our commercial sponsors who once again showed their support for the next generation of woodworkers through their donations of merchandise and gift certificates. Those donors included Woodcraft of Tigard, Woodcrafters of Portland, Rockler Woodworking and Hardware and Carbide Saw of Portland. To everyone who contributed and those who exhibited we say "Well done!" and you can begin planning now for the

next show. If things keep going as they are, we'll have a great event in 2014!

Congratulations to Leonard Worth, winner of Best-of-Show in the I/G. This was Lenny's second win in three years. Due to the diligence of Bob O'Connor (our Sponsors Chair) and the generosity of our sponsors, the usual cash stipends for I/G winners were suspended this year. In lieu of cash, our winners shared a big pile of hardwoods (440BF+ in Madrone, CVG Fir, Figured Maple, and others) donated to our show by Hardwood Industries, Goby Walnut, Crosscut Hardwoods and Woodcrafters. Nice wood always trumps cash doesn't it? We are truly grateful for the continued support we receive from these businesses.

This year's show included our first fund-raising raffle for the Guild. Supporting the Guild's Building Fund with their \$5 ticket purchases, 316 buyers took their chances in the drawing for a rocking chair or a jewelry box. The lucky winners were Todd Yunker (rocker) and Jennie O'Connor (jewelry box). Jennie's husband, Bob, was a winner too, taking 3rd Place, Advanced Category, of the I/G with a very fine Maloof-style dining chair in Walnut. Well done to both of them!

Lastly I'd like to acknowledge two individuals who made extraordinary contributions

to the success of this show. Austin Heitzman, a great guy and fine woodworker who joined the Guild just last year. He participated in shows around the region and touted our event to fellow woodworkers, thereby bulking up our commercial subscriptions and helping us to sell out this event. Thanks Austin! Gig Lewis once again contributed in too many ways to list here. A consummate team-player, Gig literally saved my bacon by lending his truck to haul the Guild trailer when the truck I was planning to use broke down. My thanks to both these men.

An event such as this requires input from literally hundreds of people to make it happen. While the work isn't all milk-and-honey, it's a great joy to many to see it happen, myself definitely included. So to everyone who helped out, including the many for whom I don't have the column space to mention here, please accept my sincere thanks for making this a successful showing. You may all now mark your calendars for the next GOTG on May 2, 3 and 4, 2014. I'll see you all there!



NINTH INTRA-GUILD SHOW WINNERS

The Intra-Guild show offerings were fewer in number this year, but the quality was superb, as usual. It's tough competition within our Guild members.

Best of Show
Leonard Worth
Shoji Screen



Intermediate

First Place
Chuck Wissler



Second Place
Chris Frazier



Advanced



First Place
Ted Jastak
Side Table

Third Place
Sean Berg



Second Place
Josh Glover
Multi-Router



Beginner

First Place
Roy Gregory



Third Place
Bob O'Connor
Maloof Chair

Dreams are in the mind, proof is in the hands.

PRESIDENT (CONTINUED)

BOB OSWALD

(Continued from page 1)

a new shop before so there is a SLIGHT possibility that we might make some mistakes. We really do want your input. If you discover a mistake, the quicker we recognize it the better it will be.

We also would like to have a lot of members join in and help us set up the Rules of the Shop, the hours we are open for member use and the hours reserved for classes and projects. We will need to charge for shop use by members and we want some of you on that committee that will work out those fees.

If you have concerns or ideas, give me a call at 503-646-7056 or email me at gilewis42@gmail.com

STATE FAIR SIGN UP SHEET

BOB OSWALD

Some of you have asked for Jim Madaras' State Fair volunteer sheet to be put on the website. And even better, being able to sign up on line. While our website does not directly support this, there is now a link of the Shows page, Oregon State Fair, called *Sign Me Up*. It opens a spreadsheet on another website (invisible to most anyone else) and you can enter your name in the time slot of your choice.

Please note that this spreadsheet is editable by everyone in the Guild, so don't "accidentally" delete someone else's data.

Give it a try. And give Jim a hand at the Fair.

EDUCATION WANTS INPUT

CHIP WEBSTER

At the February State of the Guild program meeting we stated we were driving to make our education program "demand driven". This means we want to teach what you, our members, want to learn, not just what our instructors want to teach. To that end we said we would survey our membership about class topics, the best time for classes and notable woodworking figures we would like to visit our Guild to demonstrate and conduct workshops.

The survey has been built and tested on 21 Board and education team members. Some small editorial changes are being made and the survey will be rolled out within the next few days.

Please take a few minutes to complete the survey when it arrives in your email. It is a simple process and only takes about 10 minutes of your time. You can provide your name or be anonymous. The information we gather will be priceless! This will be your best opportunity to tell us what you want. We are looking forward to your input!

STUDENT EXHIBITS

BOB OSWALD

Winners in the categories of Best of Show, Best Joinery, Best Finish and Best Non-Furniture.



Best Of Show
Will Cyrus, Sisters



Best Finish
Mark Atkinson, N. Salem



Best Joinery
Johnny Flores, N. Salem



Best Non-Furniture
Bronson Holthusen, Astoria

ROCKLER, UPDATE

BOB OSWALD

Thank you to Joe

I'm sorry to report that Joe is no longer working at Rockler. He has been so supportive of the Guild and everything about woodworking. It's very sad to see him gone..

Artist in Residence

Try a Sunday afternoon casual presentation about your woodworking business. As a featured artist, be in the Beaverton store on a Sunday from 1:00 to 4:00. Bring a product or two and talk to people about what you do. No cost to you.

Contact Chris at Rockler at 503-672-7266

OTHER STUDENT EXHIBITS

There were so many wonderful pieces of work by students from six high schools. Space doesn't permit doing justice to all of them.



Chris Harding, North Albany

Josiah Beggio, St Helens



*Austin Hoffman, North Albany
Arlo Gann, Gaston*



Jaxon Stark, Sisters



Makaila Van Loo, Gaston



Seth Hutchison, Gaston



Shawn Vielmetti, St Helens



Alexis, Gaston



Anthony Arguello, Gaston



Devan Nikkila, Astoria



Joe Burnett, Astoria



Brenda Hall, Astoria



Austin Hurlburt, Gaston



*Cody Rogers, North Albany
Arlo Gann, Gaston*



*Marcellisa
Oshoa, Astoria*



Fernando Jimenez, Gaston

A HAPPY CUSTOMER

BOB OSWALD

I ran into Sharon in a Glass Guild booth at the Gathering of the Guilds show last month. We got to talking about woodworking things and a strange coincidence occurred. We'd met before. Here is her brief story.

I was devastated. A carved bird thought to be made of ironwood, a wedding gift nearly 30 years old, fell off the piano breaking its long spindly legs. On a whim I took it in to Rockler to see if there was any way to repair the broken pieces. I spoke with Bob Oswald who offered to put out a communication to the Guild. With a photo and an email to the members it was less than 24 hours when I received a couple of phone inquiries.

I'm not a woodworker but I appreciate the talents of those who saw, sand, turn and carve. As a result of the broken bird and the request for help, my husband and I were fortunate to spend a day with Frank LaRoque in his shop in The Dalles. We were entertained by his fascinating stories, learned about some of his amazing techniques and even helped him a bit in the restoration of our ironwood bird. While the glue dried Frank and his wife took us on a tour of the town where we had lunch and saw his former shop where a fellow glass artist's business now resides. We returned to Frank's shop where we watched as he sanded and quickly blended the finish so you could not tell there had once been splintered wood. It was a fabulous day! We are grateful to Bob for putting us in touch with such a gracious, kind and talented man.

Sharon Dunham



GUILD NEW SHOP NEEDS

GIG LEWIS

On Tuesday, May 21, nine of us met to figure out the various things that needed to be done before we can move into our new shop. We sorted 36 items into four categories.

Communication:

Operations Outline; Directions; Open House; Membership recognition for shop use; Signage & Membership Kickoff.

Education:

Shop Coordinators; White boards; Instructor Coordinators; Member Training and Qualification; and Classes.

Schedules:

Shop Coordinators; User fees; Scheduling various Shop User hours; Safety Signs; Security and Keys.

Tools & Equipment:

Tool Inventory; Tool use; Hand Tools; Vises; Tool Maintenance; Vacuum Room; Project Storage; Tool Storage; and chairs.

As you can see this are a variety of tasks and decisions to be made. We do want additional help and ideas from other members to get these action items accomplished on time. For those of you deciding to help, please call or email the following:

Communication:

Jim Madaras james@madaras.us 503-754-5622

Education:

Chip Webster jdwebster3@comcast.net 503-780-8812

Scheduling:

Bill Hamilton bill@simple.be 503-778-0552

Tools & Equipment:

Ray Curtis colleenandray@comcast.net 503-648-6561

This is an exciting time for the Guild and we really would like to have the additional help in this part of our growth. If you have questions, please email me—

giglewis42@gmail.com.

PHOTOS ON THE FORUMS

BOB OSWALD

You can't directly paste pictures into forum pages. A limitation of the editor in the forums module. The exception is that an administrator can do it but it requires uploading the image and linking it to the page. And any such image consumes some of our total memory allotment.

BUT, you can go a step better. You can insert a link to some other website image. Google, for example, has free web space using Picasa. When you post an image to that website, you can copy the link and inset it in your text.

I'll save describing it here in detail. Write to me if you need help. TimberCreek08@gmail.com



SKILLSUSA FOR STUDENTS

GIG LEWIS

The Guild was present at this year's SkillsUSA High School Competition in Milwaukie this last Saturday. This is a competition open to High School students in all 50 states. There are Scholarship awards, plus various awards of tools, meals, and certificates for the participants.

Bill Hamilton has been our Lead on this the last two years and did a fine job representing us. Good job, Bill, and thanks. Bill and his crew made about four trips to the Sabin school in Milwaukie to clean up the tools that would be used



and to make sure that everything would be ready to go.

Carbide Saw sharpened the saw blades and donated a new set of Planer blades. Please thank

them again the next time you visit them. Even with this effort we discovered on the big day that the shop has many routers and NO 1/2-inch collets for the router tables. A



quick trip to Lowe's and Lloyd Johnson had a solution. Butch Miller was an able photographer and helped the students with some of their questions and designs. Natalie Mills was there helping the kids relax and enjoy their experience.



The task was to build a small wall cabinet designed by Ed Ferguson within a 3-1/2 hour time period. We made a point to tell the kids that this was not a contest to see who could finish first, but to see who had the best quality. Six boys and one girl



were in the competition. If they recognized a mistake there was new material to use to correct it. What surprised me was the number of parents, friends, and extended family that were there to watch the youngsters do their thing. I

know our crew had a good time and that the kids enjoyed the experience. Ed had designed the wall cabinet to hang with a French Cleat and it was a new idea to all seven of the students and they thought that was a neat way to hang it.

GUILD CLASSES UPCOMING

BOB OSWALD

MAKING A WOODEN PLANE 13-1

June 1 & 2

Sherwood High School \$290

Instructor: Alexander Anderson

Next Level: DRILL PRESS

June 15 12-4:30

Jeff's Shop \$65

Instructor: Jeff Zens

REPAIRING OLD CHAIRS

June 15 9-4

Frank LaRoque's Shop \$105

Instructor: Frank LaRoque

SEAT CANING & UPHOLSTERY

June 22 9-4

Frank's Shop \$125

Instructor: Frank LaRoque

See the Guild website for registration and details. Contact the class coordinator with questions. Please do not email the web administrator.

SAWSTOP GENEROSITY

GIG LEWIS

We have been blessed with an extremely generous donation of a 7-1/2 hp Industrial cabinet saw from SawStop. As you all probably know, they are a local Oregon company and the Guild is very appreciative of their support.



Help Wanted

"I make cedar strip canoes, kayak and stand up paddle board kits. The kits are designed for the home hobbyist to build in their garage and are fairly labor intensive. We are moving into actually building finished stand up paddle boards which have some very complex bends.

I would like to talk to anyone who has interest and knowledge in setting up processes, tools, jigs, etc. to allow us to keep the craftsmanship of a one-off board, while reducing the labor time and cost considerably. If you have time and interest, please give me a call at 505-686-3837 or e-mail me at dhollerich@cedarboatworks.com".

A DINING ROOM TABLE, CONTINUED

DAVE MILLER

And now....lots of Jigs

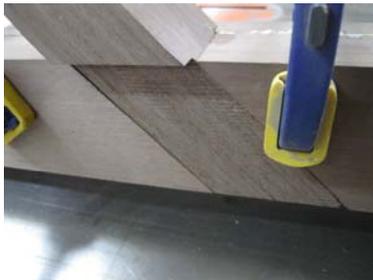


I know I could have given a lot of description about each and every Jig used, but I think you get the idea. It's time consuming I admit, but the time spent designing and creating jigs is well worth the effort to get four legs that are all the same height, width, and form. There just isn't any easier way to get the same consistent results.



Back to Basics

Creating the base of the table is really rather straightforward. I laminated 4 sticks of the walnut together for each of the cross leg bases making sure to cut an angled slot in the center boards to form a 'mortise' for the legs to slide into.



When the base is finally sanded to final size



and glued together, the legs can be slid into the mortises formed during the fabrication of the base parts as shown below. The table is starting to take on the form in my original design!

Between opposing legs, I designed some cross-beams to add a little rigidity to the structure. These were made using Clear Vertical Grain Fir, more for color and contrast than anything else.

The legs could have through mortises to put the cross pieces through, but the resulting weakness in the legs would defeat the goal of extra rigidity I wanted. Instead I attached the fir braces using dowels. Finished, it gives the appearance of through mortising, but doesn't reduce the overall leg

strength.

Ready for the final glue-up, all the individual pieces were labeled and marked using blue painters tape. Even though Jigs are used to cut all the mortise and tenon elements, there are subtle variations and you don't want to be spending a lot of time sorting out parts while the glue is starting to set up.



The leg mortise and tenon joints were the most loose fitting elements. Because they are sliding in at an angle, and there is a slight curve as well, I intentionally made the mortises slightly oversize. For the final glue-up, I used Polyurethane glue. It is very rigid when it's cured, and is well suited to filling loose joints. The glue expands about 3 times during curing so any slight voids are filled, leaving a very rigid joint.

And...it's only plywood

The base, now completed and awaiting final sanding and finish, is set aside for the time being. It was time to begin fabrication of the 'money side' of the table; the Top! I call it the 'money side' since that's really the part that everyone will see, touch, and interact with.

The only problem with using plywood for the table top was my requirement for the final dimension. The top was to be 60 inches square. And as we all know, plywood is 48 inches wide. Fortunately, the Bamboo Plywood's solid core and extremely thick faces make it easy to glue on the extra 12 inches of width necessary to make the 60 inch target. Because the Bamboo is vertical grained, and the face material is very thick, it's easy to smooth out the joint with a card scraper without fear of exposing the core. When finished, the seam is invisible.

The only other problem with Solid core Bamboo Plywood is the weight. It's much heavier than cabinet grade multi-ply hardwood ply and...more than two times the cost.

The results?

I couldn't have been more pleased with the final product.

But now...the truth has to come out.

You might have noticed I have been glossing over a lot of the details of this project. That's because I decided to tell you the whole truth and explain the real focus of this article is how to recover from a serious design flaw and mistakes that happen when learning



new processes. .

A Design Flaw?

I spent months thinking about the table design. And in the design process I happened to overlook one basic principle.

When the table was all together, before I did the final sanding and started to apply the finish, I put the top on the leg assembly to make sure everything fit perfectly. Even though the top mated perfectly with the base, I immediately noticed a serious problem. The table top wobbled back and forth like a bobble-head doll...

After scratching my head for a few minutes, the problem suddenly became crystal clear. Unfortunately...

I spent a lot of time looking at the design in three dimensional renderings. I didn't really do much looking from the top down however. Even though the legs are mounted well out from center, they are curved toward each other. It turns out, the legs are within about 12 inches of each other at the narrowest point.

Now, picture 4 - 36 inch long wood 2X4's standing upright, 12 inches apart. Play like they are anchored in a few feet of concrete. Now, at the top of those 2X4's attach a heavy table top that is 5 feet square. It seems obvious now, it will wobble back and forth, and the corners will flex up and down without much pressure....not good for resting your elbows.



I wonder if that's why tables have legs at the corners and those with center legs are made of steel?

The solution to this problem wasn't immediately obvious. Having spent a couple of weeks on the project, I wasn't looking to scrap it and start over. There had to be a solution! (Besides, my wife was just across the breezeway from the shop!)

After a lot more head scratching and mocking possible solutions up with wood scraps and temporary clamps, I wound up with some metal bracing that actually looked... right! And, not to succumb to just metal work, I wound up cutting mortises for the aluminum braces to fit into the base. A suitable blending of wood with metal?



Clamping forms and slat thickness

There are a number of things I incorrectly estimated when I started the project of bent lamination of the legs.

After doing some investigative work on the internet and having found tables of suggested slat thickness for the radius I was using, I chose to ignore the information. Instead, I relied on my own instinct and observations of a couple of slats I had already cut. It turned out, my slats were about twice the thickness recommended and although I was able to apply sufficient clamp pressure to result in even squeeze-out all along the length of the legs, the clamping pressure caused my forms to bend in the middle!

That could have been compensated for with additional strengthening of the forms themselves, but I would have saved a lot of grief I think, sticking to the recommendations of those who have gone before me and took the time to accurately define the slat thickness.

Honestly, one of these days I'll actually pay attention?

And embarrassingly....the design is hidden

Now, the table looks great (at least it suits our particular tastes) and the woods all work together just as I remembered from the towel bar project so many years ago.

Of course, now I know I could have used a steel pipe, about 5 inches in diameter, welded to a couple of large dimension steel tubes for the base and wound up with an extremely rigid, downright stout dining room table! I spent hours agonizing over my SketchUp tools, coming up with a challenging design and forgot to look at the whole picture.

What I didn't consider in my quest to have a really interesting design to look at was; with all the chairs in place, nobody can see where all the detail work really went!

And the best lesson...

I had a lot of fun, got a chance to try some things I never had done before, overcame several challenges, have the satisfaction of knowing the mortise and tenon joinery came together, that each leg is nearly identical over the entire length of the curves, and the glue line on the table top is invisible.

For woodworkers, the final goal is, knowing we did our best. We can see it...

Now, if only it could be seen by anyone else....sigh.



The Guild of Oregon Woodworkers is a group of professional and amateur woodworkers like you, committed to developing our craftsmanship and woodworking business skills. 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)*
- *and a network of support.*

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

Rockler Woodworking 503-672-7266, www.rockler.com

Oregon College of Art and Craft 503-297-5544, www.ocac.edu

Woodcraft 503-684-1428, www.woodcraft.com

Woodcrafters 503-231-0226, 212 NE 6th Avenue, Portland, www.woodcrafters.us

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- ◆ Some sponsors offer discounts to current Guild members. See their website for details.
- ◆ ** denotes Scholarship Sponsor

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We're on the Web!

www.GuildOfOregonWoodworkers.com