

IT'S ONLY A TOY

BOB OSWALD, PRESIDENT

The Toys For Tots project is going well, different in some ways from what I imagined, but do we ever know how something is going to turn out? Gaining in popularity, it is sometimes hard to accept all the offers of help. We have outstanding support from our sponsors for materials. Sincere thanks thus far to Cascade Specialty Woodworking, Emerson Hardwoods, Hardwood Industries, Moxxon, Centerpoint and Rockler Woodworking



The building session at Franklin continues to be a comfortable size. I know there are also a number of people working in their own shops, and I'm very happy about that. You're making sawdust, you're making mistakes, you're learning, and it's for a great cause. What could be better.

The community session at Franklin is very rewarding. People are mostly working in teams of two. Trading off ideas, and making a lot of noise. And the camaraderie, as they say, that's why we started this project.

I had a look into different perspectives when a brief discussion about 'fine woodworking' evoked the comment, "it's only a toy". Perhaps my perspective is different, but first, no matter what we build as woodworkers, I would always encourage everyone to do the best you can. It's probably true that if we were paid by the piece, mass producing parts for a perhaps un-discerning consumer, you'd probably cut some corners. I say not here. This is Guild craftsmanship. We do what we do because we're proud of it.

The fun part of this project is that there are no goals for quantity, no time requirements, other than finished by early December. What matters is quality. This is the Guild giving to the community. I find, from a few years of building small things, that precision is at least as important in a toy as it is in a piece of furniture. A simple 1/32 used to be beyond my skills or expectations. Now, in furniture, I can do way better than that. And in toys, 1/32" across a one inch drawer front matters much more than across a four foot cabinet.

I will enjoy every minute until this project comes to completion. And when we're finished, we will have a large box of toys, and smiles, for Christmas.

WELCOME NEW MEMBERS

Karl Hutchison, Charles Shores, Derek Snow, Michael Greger, Paul Nylund and Gerald Baker

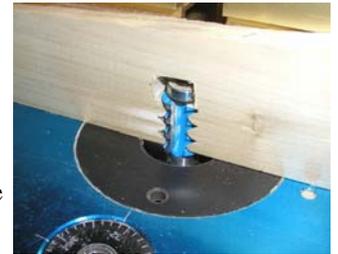
We're happy to have you with us. Please introduce yourself to me at the next meeting. I don't know who you are, and I'd like to say Hello.

TRIPLE ZERO CLEARANCE

BOB OSWALD

Here's a project that offered enough challenge for one day. The wood for two table wings had been glued up and surfaced, not something you would want to do over.

The edge trim on three sides was a triple bead. It looked like a simple enough task with the bearing bit. But the 3/4" table top was too thin to catch the bearing where it needed to fall on the edge. The first thought was to make a template and use the flush trim approach. But the table had already been rounded, so matching that curve and sacrificing a large piece of plywood for a template made it an unattractive option.

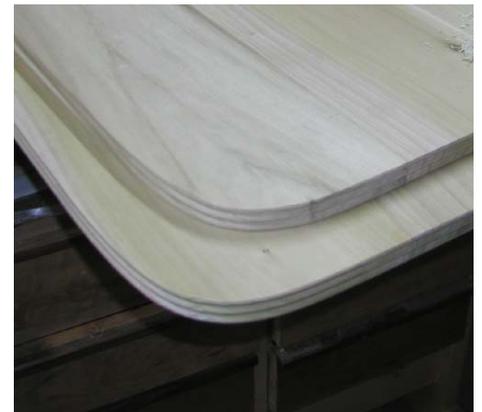


The other natural solution of course, was the router table. And this is where the evil lurked. On the straight cuts, the fence was a simple solution. But coming around the corner, the gap in the fence would have allowed the rounded edge to push deeper into the bit, causing of course, irreparable damage to the top.



A zero clearance fence was the 'obvious' answer. A scroll saw quickly made a clearance hole for the bearing. Cutting the zero clearance is a bit tricky. Holding it from moving sideways and stopping at the correct depth were simultaneous challenges

Since I have a linear positioner, clamping the board to the fence made it easy. Without it, a stop block clamped on the right end would allow you to safely pivot the board into the cutter.



The final tricky part is during use, as you swing around the corner, you must keep the tangent edge of the arc right on the maximum diameter. Otherwise you get flat spots. It turned out not to be that difficult and the results on four corners were very satisfying.

TOYS FOR TOTS— PROGRESS AND IT'S FUN

BOB OSWALD

We've had three sessions as of this newsletter. Woodworking at it's best, fellow Guild members enjoying a community project and each others company.

Everyone comments that this goes slower than I expected. The first two weeks was just milling wood. The third session was still milling, but many parts taking shape, getting ready to start assembly.

When you make toys, you drop out of the 3/4" world, into the 1/4" world. So it's a lot more jointer, bandsaw and planer work to get the lumber milled to toy dimensions. Quite a bit of extra work.

And the precision is at least as demanding as when building furniture. A thirty-second dimensional error on a two inch piece is much more noticeable than on a twenty inch cabinet top. As you grow, or should I say shrink, into this new dimension, your skills improve. When you can build a perfect eight inch high dresser, you're ready for the big stuff. It's actually a very challenging environment.

About a dozen Guild members have come out each session to build toys. We've each got a plan, we're making things. Everyone has picked something different, something that appeals to them. The shop at Franklin is a screaming nightmare of sound for two hours. Hearing protection is absolutely essential. Every tool in use. I wonder if the kids in their shop classes keep the shop as busy.

It's not just Guild members doing the work; this project has grown to be bigger than just us. You can not say Marines and Children in the same sentence and not evoke emotion. Everyone wants to help. For example, we have wood donations from two sources with promises from three

others when we're ready. A bunch of wood, but we're burning through it.

Three high schools have turned their shop classes into an exercise in mass production.

Teaching this gives students an opportunity to plan, build a prototype, improve it, develop production methods, manage work flow, and in the end, product toys for the project. That's going on as we speak at David Douglas, Franklin and St. Paul.

Young people from Oregon Cascade Young Marines of Beaverton are helping. Last week they assembled boat kits and did some sanding. They were invited by Chuck Landers through Tony Rizzutto, Secretary of Western Woodcarvers Association, an Officer in OCYM and Adjutant of USS Oregon Detachment of the Marine Corps League in Beaverton.

The Woodworking Show at the Expo had a demonstration of toys. A lot of people stopped to inquire. Quite a few wanted to build something at home and donate it. They will contact me and I'll make the pickups.

It's wonderful to be representing such a great cause. We've had to turn down a few offers for help until we can understand ourselves how to manage it. Everyone is talking about "next year". What an opportunity to give back.



VENEERING WORKSHOP

BOB O'CONNOR

Seven Guild members participated in a two day workshop on Veneering techniques with Doug Chamblin at Doug's workshop in NE Portland.



The students learned about technique, choosing veneer, and types of pressure systems.

Each student started out making a simple veneered panel and worked up to a beautiful sunburst design. The sunburst could be



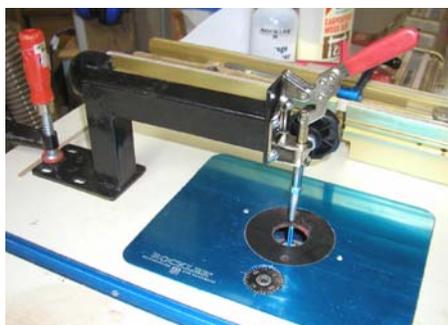
incorporated into another project such as a small table. Doug is a professional furniture maker who also teaches at Arrowmont School of Craft and Oregon College of Art & Craft.

PIN ROUTER—ABANDONED TREASURE

BOB OSWALD

The pin router seems to have gone the way of the dinosaurs. I'm not sure why, but I would guess it's been replaced by bearing style bits and template guide bushings.

It's a very versatile and simple addition to a router table that can do unique tasks. Basically it functions like a guide bushing, however it doesn't have the offset of a bushing. The "pin" is aligned over the top of the bit. The pin is typically the same diameter as the bit, but it can be a different diameter to create offset cuts. The arm clamps to the table, so is easily removable.



To use it you make a template like the dolphin pictured. Double tape the template to the top side of your work and route the bottom, tracing the pattern on the top.

The finished product was an inlay on an urn. It turned out very well.



This miniature picture frame project was a perfect application. The oval had to be routed in two passes, the back which was larger to hold a small photo, and the front a smaller size to reveal the photo. The frames were first cut out and assembled. A template was made for the front with a raised section to lock into the square opening. A similar template was made for the back



Suitably registered, the back was routed first, half way through the frame, about 1/8" to form a rabbet. Then the fronts were routed. A loose piece in the center dropped away, usually tossed conveniently onto the floor by the 1/8" bit. The pin router made a difficult production job very easy.

I discovered a Woodline pin router arm at this past Woodworking Show, pictured in the first photo. It comes with 8 pin diameters and adjusts very nicely. Lee Valley Tools has a more elegant one.



2009 BOARD OF DIRECTORS ELECTION

BOB OSWALD

The following people are nominees for the 2009 Board of Directors. The election will occur at the next meeting.

President	Bob Oswald
Vice President	open
Secretary	Larry Butrick
Treasurer	Dick Pettigrew
Meetings Chair	Brian Warrington
Communications Chair	Bob Oswald
Education Chair	Gig Lewis
Membership Chair	Norm Michaud
Shows Chair	open
General At Large	Doug Siemens
Professional At Large	Bill Bolstad
General At Large	Doug Siemens

You may step up and nominate yourself for any position above. Notify me prior to the next meeting. You can EVEN volunteer your efforts to the people like us who are willing to commit to the work of running the Guild. You don't need to be a chairperson to help out.

GUILD SAFETY STANDARDS

BOB OSWALD

An updated version of the Guild Safety Guidelines has been posted to the Guild website. All Guild members are highly encouraged to review it.

DEDICATE, MODIFY, SIMPLIFY, SAVE MONEY

BOB OSWALD

The latest issue of ShopNotes arrived. Get a fresh cup of coffee and sit in the front room. Flip through the pages and ...instant happiness. You've probably had that revelation after months of wood magazines, "Why didn't I think of that!!"

My modest collection of air tools has been driving me crazy, FIVE different storage locations. Air hose in the corner, nailers in a bookcase, brad guns in a corner cabinet, compressor always in the way on the floor. Crazy.



Dedicate

There's a satisfaction in improving a cluttered shop, to have all the tools of a type pulled together in one place. I have moved away from the pegboard with everything on it to dedicated workstations.

Modify

Change a plan to fit your needs. I run into a large number of people looking for the complete list of 'required' items for their project. Some seem to forget that it is allowable to make changes. Of course that's where the trouble starts. One change ripples into another. The right (wrong) change can affect the entire design.

The first modification was to make it smaller. I have a good size shop, but it's too full of stuff, so a smaller footprint was desired. Make is shorter. Some left over drawers dictated a different pedestal width than the plan. The depth

started out to be ok, but when the project was complete, it obviously could have been made 8" shallower and saved a ton of room.

Simplify

The copper plumbing and manifolds were a thoughtful and elegant feature, but use of nailers in my shop is quite infrequent, so multiple spigots was overkill. Dropping this feature saved about 8" of overall length.

Save Money

Dropping the air plumbing probably saved \$100. Instead of four pair of full extension slides, infrequent use changed this to wood rails, dropped the cost from about \$60 to scrap barrel parts.

Total construction time was 2-3 hours, thanks to the 'training' I've gotten in the past five years. It went together so easily.

Finish is a simple coat of shellac, because it dries fast.

The classy Coca Cola drawer pulls were a closeout item a year ago that went into storage until the right application came along

The original article was a marvelous inspiration !



LAST MEETING: TURNING THE CORNER

BOB OSWALD

Turning the Corner, a great introduction to an evening of sharing ideas. A big thank you from Brian and all of us to Lee Johnson, Bob Oswald, Al Oekerman and Bill Bolstad who brought a variety of fixtures. Turning the corner in my world became a set of lessons on Joinery.

Bill showed a super simple jig for the table saw to flush trim the edge of a box.

Lee, always with the perfect ellipse, had the cutest and most handy jig for drawing



ellipses, the same way you would cut them with a router.

Bob had a set of ten different joinery ideas from simple to not so simple. Lengthy



Bill, Clyde and Gig—many educational discussions

and fun discussion about technique, strength, glue, saw blades, clamps, etc, etc.

Al's upside down router was in essence a miniature table mounted router. He uses it to do the finish work on toy wheels and other small parts. Very good idea

A little freebie

Member Juan Christian had three tickets to the woodworking show and couldn't attend. A spontaneous raffle produced winners Dave Dimoff, Michael Rothman, and Dennis Dolph.



Show and Tell

Jim Hall, an always busy guy

in the shop, shared again one of his creations. He turned a large block of Madrone into a vase, the traditional way. Left to dry naturally, Jim then carved the maple leaf pattern you see in the picture. A very stunning piece of work, ingeniously prepared with a number of shop tools and procedures.

THE WOODWORKING SHOW

BOB OSWALD

Portland weather was perfect last weekend. That's good or bad depending. A great day to be at the show, but a great Indian Summer day to be outside. The show was bigger this year, refreshing after a downward trend.

Our theme this year was Toys For Tots. We talked to folks about this community project. The setup of power tools in the background was simple and effective. Ian took the lead in making more cell phone parts for the big Christmas basket. A number of visitors wanted to make toys and get them into the basket. The Pres was more than ready to drive around town making collections when they call.

The Guild booth was staffed by a good number of people. Thank you to Ian Walton and Ron Senger for bringing it together, and even more for spending more than a normal amount of time in the booth.. And a big thank you for those people that

shared the joy of woodworking with a large number of passers-by. Marilyn Welter, Bob O'Connor, Gig Lewis, Clyde Hastings, Don Belshaw, Gary Gerue, Bill Shockley, Norm Michaud, Chip McNally, David Wiper, Nick Brandt and Bob Oswald. A really great turnout from wonderful members.



JANKA HARDNESS SCALE

The Janka scale rates the relative hardness of wood. Listed below are some of the more common wood choices. The higher the number the harder the wood. These ratings were determined using the Janka Hardness Test which measures the side hardness measure of the force required to embed a .444 inch steel ball to half its diameter into the wood. This is one of the best measures of the ability of wood species to withstand denting and wear. It is also a good indicator of how hard a species is to saw or nail.

This is only a general guide when comparing various species of wood flooring. Depending on where the wood is harvested the results may vary.

Ebony	Carbonized Bamboo
Jatoba	Cocobolo
Purpleheart	Walnut
Hickory/Pecan	Teak
Rosewood	Cherry
African Padauk	Cedar
Wenge	Lacewood
Zebrawood	Douglas Fir
Birch, Hard Maple	Poplar
White Oak	Hemlock
White Ash	White Pine
American Beech	Basswood
Northern Red Oak	

PRAZI CHESTMATE™ DOVETAIL JIG

I saw this demonstrated at the woodworking show this weekend. It look amazingly simple for dovetails of any length. A variation of the Keller jig, only better. The great part is that you make a template on the table saw, a board with saw kerfs where you want the tails. The same template makes the tails and the pins, of any length. Woodcraft is listed as a supplier. Stop by and ask for a demo.

While dovetails are the perfect accent on many projects, few large projects rarely fit the confines of traditional router dovetail jigs. That's why the Prazi ChestMate™ will be your dovetail jig of choice for those larger projects. Cast aluminum with clamping components to hold the jig tightly on the work piece



SKETCHUP SOFTWARE

LLOYD JOHNSON

SketchUp is a 3D modeling program originally designed for architects, civil engineers. Although it wasn't specifically designed for woodworkers, it is certainly the most powerful design tool I've ever used. And as a free download, the only cost is the time it takes you to learn the interface. This is no small task, I'm afraid. Nevertheless, if you watch some of the hundreds of tutorials on YouTube.com and invest the time it takes to become proficient, you'll be glad you did. Personally, I would now never start a woodworking project without first modeling it in SketchUp. Just the process of creating the model has reduced the number of errors made in my shop. Having the ability to look at the model from different angles and experiment with different wood combinations has improved the quality of my woodworking projects.



Prior to its purchase by Google in 2006, SketchUp was an expensive, high-end CAD program which was sold primarily to architects. Since then, the usage of SketchUp has skyrocketed to the point that it is now the most widely used CAD program in the world.

At the meeting, we're going to discuss some of the many uses for SketchUp, including cabinet layout for kitchens, integration with CNC routers, a tool for making presentations to woodworking clients and a design tool for the shop. We'll spend a portion of the time looking at the basics of SketchUp and how to use the various drawing tools. We'll then start from scratch to model the Prairie Settle as shown in the picture. This model involves some advanced techniques that will demonstrate the amazing power of the software.

Get a copy so that you can become familiar with it prior to my presentation.

Lloyd has been a woodworker for 30 years. He has been an executive at various software companies since 1990. In 2001, he formed a hobby business called Woodturner PRO (www.woodturnerpro.com). The software is currently being used in more than 50 countries around the world. In June, he was invited along with 300 other SketchUp artists to attend the first SketchUp Base Camp at the Google campus in Mountain View, CA. He is a Google-certified trainer of SketchUp and was recently selected as a 'featured modeler' for creating models for the 3D Buildings layer of Google Earth.

www.sketchup.google.com

GUILD SEMINARS

BOB O'CONNOR

Repairs with Lee Johnson

November 15, 2008, 9:00-4:00

Lee's Shop in NE Portland

\$40 for members \$50 for non-members

Learn from one of the best, the art of fixing those things that always go wrong on every project. This workshop will give you solutions for the most common mistakes. You should come away with the skills to take care of your own more common 'opportunities'.

Make Check to Guild Of Oregon Woodworkers and mail to Bob O'Connor, 7632 SE 28th Ave, Portland, OR 97202. See the website for more information.

Rob Lewis, OCAC, Secret Tips

Rob is the Wood Studio Manager at OCAC and has been working with wood and metal for most of his 40 years. His class will be on Tricks and Jigs for the Table Saw and the Router.

Class will run from 9 AM to about 1 PM at the OCAC Wood Studio located at 8245 SW Barnes Rd., Portland, 97225. The cost is \$20 and is limited to 15 students. As of October 16th we have space left for 10 students. Last year Rob built a full size Abbot & Downing Stage Coach and then made a 3-day Mail Run and got special cancellations from the Post Office. This year he is building 7 quarter-scale wagons.

Basics of Fine Woodworking

February and April positions still available

Eleven week series on some of the finest instruction you can get. Call Gig Lewis at 503-646.7056 to reserve a spot.

OTHER CLASSES

Our sponsors and affiliates offer many great woodworking classes. See the following websites or call for details.

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

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

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

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

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

FOR SALE: TOOLS

For Sale: Felder CF 731 Combination machine. Three 5.2 hp 220v. single phase motors. Safety upgrade including electronic brake. Purchased new Jan. 2000. 12 in. sliding table saw, 12 in. jointer and surfacer. Reversible tilting head shaper. Used by hobbyist. Excellent condition. \$9,900. Replacement cost \$20,000.

Call: Joel McNulty (503) 636-9773

FOR SALE: WOOD

Still available from George DuBois' woodshop:

Western Maple – 126 BF
Western Burl Maple – 22 BF
Soft Maple – 16 BF
Spalted English Beech – 37 BF, lot \$57
English Beech 14 BF
Spalted English Beech 18BF
Oak 21 BF
Birds Eye Maple Approx. 165 BF \$7/BF
Yew 2.5 BF – lot \$5.00
Western Maple – lot \$25
Western Maple – lot \$20
Bubinga – 4BF – lot \$30
Koa - \$5.00
Jatoba - .8BF – lot \$4
Figured Western Maple – 13 BF
Figured Walnut – 7.6 BF
Western Walnut 44 BF
W. Walnut Sapwood – 1.3 BF
Cherry – 30 BF \$7/BF
Cherry Bed Project – \$100
Ash bundle – 3 BF – lot \$10
Various shorts of several different species of wood
Ebony – \$10/pound

Batch of cedar - \$300 for the entire lot- landscape beams
Cherry – W. Walnut – Assorted Rough Cut
Western Walnut
Misc. turned legs, etc.

Jean DuBois
1325 Cara Ct. NW, Salem, 97304
503-365-7634
503-871-0380 cell
duboisge@comcast.net

SHOP TOUR: BILL WOOD

BILL WOOD

This 36 foot by 28 foot shop is built to look like an oversized detached double car garage. The roofline matches the distinctive roofline of the house with a 12/12 (45 degree) pitch on one side. This creates an attic space, which encompasses a boiler, compressor and storage. On the other side the roof converts to a 4\12 pitch and is much flatter. This flatter roof has opening skylights to let the heat out in the summer and faces the South for winter solar heating.

Inside the shop, the floor is concrete with PEX pipe embedded in it to keep the floor heated to any temperature needed 24 hours a day. This inexpensive system was designed to be cost effective and yet eliminate the need for forced air heating. Eliminating forced air heating in a wood shop helps keep the dust down.

The lighting is very inexpensive with many porcelain octagon fixtures around the perimeter and down the center. Each fixture contains a compact florescent 150-watt bulb with effective wattage use of 1/4.

The walls and ceiling are insulated up to R-38 and are covered in plywood. The plywood walls are installed with screws. If the need arises to go into the wall it is simple to unscrew the wall and do what needs to be done. Inside the walls, at the 6-foot level, around the perimeter, a 2 by 6 is installed for extra holding power if anything needs to be hung. By having plywood walls the need to be careful when screwing into the wall to hit a stud is eliminated. The walls and ceiling are painted white to reflect the light from sun and lighting.

The electrical system uses a 200-amp panel and it is filled with

110 and 220-volt circuits. These circuits are interlaced around the wall perimeter and there is also drop cords from the ceiling, thereby eliminated the need for extension cords lying on the floor.

Since the floor heating required plumbing, a bathroom is also installed. A large sink is a great place to wash paintbrushes and the like.

There are two overhead garage doors to be used to transfer lumber, machinery, and materials.

The ceilings on one side are 10 foot and the other side where the skylights are installed the ceiling is vaulting upward to about 18 foot. This gives plenty of headroom for dust collection.

A cyclone dust collector is installed at the 14-foot level on one wall of the vaulted ceiling. The 6 inch PVC pipe runs down the middle of the shop at the 10 foot level with branches to the saws,



lathe, large sanders, router table, band saw, jointer and planer. The 6-inch pipe is reduced to 4 inch at the machine. Dust collection is two fold at the router, cabinet saw and band saw with collection at the top and bottom of the machine. It is really nice to be able to cut wood on the cabinet saw without having saw dust blow back at you from the saw blade. And, it is safer to have a guard with dust collection.

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 meetings*
- *monthly newsletter*
- *mentoring program to help members develop their skills in specific areas*
- *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.*

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

GUILD OF OREGON WOODWORKERS

P.O. Box 13744, Portland, OR 97213-0744

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

THE GUILD IS PROUD TO BE SPONSORED BY:

Emerson Hardwood**
Hardwood Industries **
Lumber Products **
Woodcraft**
Barbo Machinery
Goby Walnut Products
Rockler Woodworking
Woodcrafters, Portland



AFFILIATES:

Northwest Woodworking Studio
Oregon College of Art and Craft

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



Guild of Oregon Woodworkers

P.O. Box 13744
Portland, OR 97213-0744

We're on the Web!

www.GuildOfOregonWoodworkers.com