

OREGON WOOD WORKS

THE PRESIDENT SPEAKS

ARIEL ENRIQUEZ, PRESIDENT



Last week's meeting was just about perfect. Over the years, the draw of the Joinery's shop and showroom has consistently drawn a record crowd at our meetings and this was no exception. Well over 100 people in attendance, amazing. What is behind this growth? It's simple really. You speak; we listen. Then we set to providing the programs you've requested.

We do our best to line up interesting meetings which, according to our members, are the best benefit we have, followed closely by our seminars. This newsletter which Bob fills up every month

with a seemingly endless supply of great reporting is another major draw for us. Our library continues to grow both from donations of books and by acquisitions paid for by your dues. Additionally, the group projects provide immense satisfaction for our volunteers, who share their skills with deserving community groups. At the core of all these benefits is an aim to raise



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>>>>> February Meeting <<<<<< is a DIFFERENT night and week!!

NEXT MEETING—**THURSDAY**—FEBRUARY 10, 2011 7:00PM

NWS: LIE-NIELSON TOOLWORKS

1002 SE 8th Ave, Portland, OR 97214

>>Different night, different week <<. This was a very popular meeting last year, so we're repeating it this year.

Lie-Nielson is joining Gary Rogowski at the Northwest Woodworking Studio. Gary always has great events and Lie-Nielson will make the evening that much fuller. This is a wonderful opportunity to try a wide array of hand tools and learn valuable techniques from the demonstrators, some of the most skilled in the industry. Tools will be available for purchase also.

Take a look at Northwest Woodworking Studio's website at www.northwestwoodworking.com

Crossing the Morrison Bridge into East Portland, proceed east on Belmont (1 block south of Morrison) to 8th. Turn south one block. From East Portland, head south on MLK 1 block past Morrison to Belmont. Turn East on Belmont, go to 8th and turn south one block.



Board meeting at 5:30. Social time starts at 6:30. Formal meeting at 7:00.

THE PRESIDENT SPEAKS

ARIEL ENRIQUEZ

everyone's woodworking talents and enjoyment.

This past year our Education Committee organized a record number (about 20) of excellent seminars and nearly all sold out! And we have even more lined up, including bringing Darrel Peart back to do a hands-on affair. All of this is the result of others members like you stepping up to help run the classes. Why did these folks step up? Well, for a lot of them, they have attended previous offerings, and they now want to spread the good times even further among all of us. Plus, they bring along their own ideas for class topics which others find just as intriguing. It's fantastic!

I was contacted this week by a former member, Jackie Anderson. Jackie and her late husband, Bill, were once quite active Guilders. Their shop was used quite a bit for meetings and work projects back when George DuBois was in office. When I informed Jackie that the Guild now has a membership upwards of 300 she responded with a big "Wow! We were lucky to draw 15-20 people to a meeting."

So is it your time to get involved? We can certainly use your help. I'm making an appeal for one good member to step forward and accept the job of Sponsorship Chair. This person will be our contact with both active and prospective sponsors. Basically, the duties involved relate to creating and fostering good working relationships between the Guild and these sponsors. As a group, we offer a considerable captive audience and customers to our sponsors. In recognition of that, many of them are happy to share that prosperity with us but they have to be asked, which is only normal. Frankly, it's not an onerous job but we direly need to fill the position. Are you the one? Consider being part of a great team. We have a good support system and a task-plan for this position, so don't think you'll be going it alone.

Finally there's one item I have for all of you; an offer of help. Some members have already taken it for themselves (my daily email in-flow will attest to that) but it's something that all of you should consider a legal benefit of membership. That is me. If you have a question, an idea, a suggestion, a complaint or anything else that you want to share with the leadership, tell me about it. If you know of an organization that can use our group project skills, let me know. Email is best (I don't carry a cell phone, sorry). I'm available at arielyphylis@msn.com . Remember, this is YOUR guild and I am YOUR president. Don't be shy.

Keep your fingers!

2010 FINANCIAL STATEMENT

ROGER CROOKS, TREASURER

Pursuant to the Guild by-laws to report our financial position once a year, the Guild of Oregon Woodworkers finishes year 2010 with \$19,679 in the bank. \$6489 in checking and a \$13,190 money market.

No debt and the income and expense flow as shown in the table at the right. Contact Roger Crooks if you have any questions.



Income		
	Membership	\$7,107
	Seminars	\$15,595
	Shows	\$2,145
	Misc	\$900
	Total	\$25,747
Expense		
	License	\$0
	Internet	\$495
	Insurance	\$2,227
	Membership	\$95
	Office	\$179
	Newsletter	\$1,166
	Postage	\$222
	Meetings	\$1,397
	Seminars	\$14,111
	Show	\$5,197
	Ed Awards	\$799
	Misc	\$873
	Total	\$26,761

MEMBERSHIP HAS EXPIRED

It's time to renew your annual Guild membership. Your membership expired the end of January.

Log into the Guild website and click **Join/Renew** and follow the instructions. Or get a check in the mail to Norm Michaud, 1041 Chandler Road, Lake Oswego, OR 97034

Guild dues are \$45 for general members and \$55 for professional members.

WELCOME NEW MEMBERS

BOB OSWALD

What an unusual and incredible month for new members. Hello to David Newlyn, Brendon Haggerty, John Halsell, Kenny Hettrich, Dylan Hettrich, Sheila McKay, John Ellis, James Ochampaugh, Marvin Harrison, Jay Leary, Troy Jordan, John Fawcett, Julie Enomoto, Kent Saunders, Mark McConachie, Dean Blondefield, Clancy Gifford, Mike Minnick,

We're happy to have you with us. Please introduce yourself at the next meeting. We'd like to know who you are.

GUILD CLASSES

Chisel & Plane Iron Sharpening

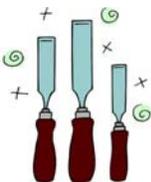
The Joinery

Saturday February 19th

9:00 to 12:00

Includes Lunch and combination wet stone

1000/8000 grit



Cost \$95.00

Note: If you bring your own wet stones, the fee is \$35.00 members, \$45.00 non members

- Come join us for a session with Mark Dunning on the techniques of sharpening chisels and plane irons. Mark is a professional tools sharpener for The Joinery.



• Learn the proper use of using wet stones to hone a

superior edge and maintain that razor sharp cutting tool



For information or to sign up contact Chris Frazier at 503 705-2636 or cfrazier1@comcast.net

Make a Bill Bolstad Table

His shop in Jefferson

Saturday/Sunday—February 26 & 27

9:00 to 5:00

Includes Material

Bill has sold over 500 tables in his career and will be teaching another class on building his style of table. There will be space for ten **Intermediate** woodworkers. Alder material will be supplied for this two-day class and is included in the class fee. The finished table will be 15" X 18" X 30" tall, and be assembled using dowels and screw construction. Most of the work will be using power tools and pre-made jigs, very little hand-work. Students will be responsible for their own beverages and lunch. Class fee of \$165 payable by Jan. 10th, contact Gig at 503-646-7056, or email to giglinda@comcast.net to reserve a space.

Intermediate Router Applications

Franklin High School

Saturday February 12th

9:00 to 4:00

\$50 for Guild members, \$60 for non-members (includes popular material and lunch).

If you've used a router for basic tasks and want to go to the next level, Bob Oswald will cover five common project subjects in a combination of demonstration and hands-on work.

We will introduce higher level use of fence and bearings, making multi-panel raised panel doors, dovetails with a jig, floating tenon joinery. We'll touch on applications for laminate routers and use of guide bushings and common set-up issues with matched cutter sets

Bring your own router if you have specific questions. You can also bring a 1/2" guide bushing (with appropriate matching baseplate) and 1/4" straight bit if you want to use your own router to make the floating tenon joint

You will take, to finish at home, a small jewelry box, a raised panel cabinet door and a router mortising jig.

Contact Chip Webster, 503.780.8812

jdwebster3@comcast.net

SIMPLE TRUTHS

The most frustrating days in the shop are the days I learn more stuff. *Ariel Enriquez*

Furniture Restoration

Frank LaRoque's Woodshop

56220 Wahtonka Road West, The Dalles, Oregon 97058

Tuesday/Wednesday April 12 & 13, 2011

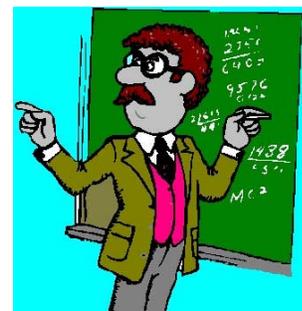
9:00 to 4:00

Frank LaRoque has been restoring antique and vintage furniture for over 40 years. In this two day seminar he will cover common techniques to restore and repair furniture, such as proper disassembly and tagging of parts and components, repairing veneer, gouges, nicks, dents and missing wood, screw holes and removing broken screws as well as proper methods of reassembly. Frank will also discuss solid wood steam bending and flattening, preparation for refinishing, removing old finish, types of finish and wax burn-in. Students will also learn how to evaluate a piece of furniture to plan the work to be done, and the proper sequence of work. This class was well attended and well received in September 2010. Students should consider carpooling to The Dalles. Note: this class is scheduled during the week. \$75 for Guild members, \$85 for non-members (cost includes lunch).

Contact Chip Webster,

503.780.8812

jdwebster3@comcast.net



TORSION BOXES

BOB OSWALD WITH HELP FROM ED VACHEL

From the source of infinite knowledge, and the Wikipedia subset therein,

"A torsion box consists of two skins applied to a core material, usually a grid or framework of some kind. The torsion box functions as a beam, but is considerably lighter than a solid beam of the same size without losing much strength. Torsion boxes are used in the construction of airframes, especially wings and vertical stabilizers, in making wooden tables and doors, and for skis and snowboards.

I pretty much thought the definition above was the case but wondered, why is it called that and where else in my woodshop can a torsion box be applied.

Internet research and poking around the shop with wood scraps, during the month generated the information here.

Some woodworking applications have been around for decades, including: hollow core doors and the framing of your house. House walls have 2x4 stiffeners in the core, skinned with plywood on the outside and sheet rock on the inside. Incredibly strong.

The concept goes way back to early airplane wings, requiring great strength and minimum weight.

And David Marks mentioned wall hanging art in the form of a disk in his visit last year. Common applications are table tops and work benches. Of course the traditional woodworking bench counts on being very heavy and stable so a torsion box would a poor substitute here. But an assembly table that you might want to fold up against a garage wall would work well.

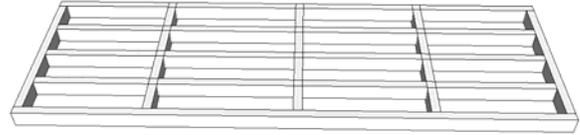
Curved panels or especially a structure of varying thickness, such as a tapered, curved panel like a flying saucer are a natural for torsion box construction.

An interesting application I found on the Fine Woodworking website was stiffening a standard carcass. Build a simple box 3x6 feet tall of plywood with a plywood back. The back makes the box very strong but the front, as you know, is still easy to rack because the back panel can be warped even though it stays square. Now build the back panel as a torsion box and the rest of the box assumes that same rigidity.

Not particularly (as far as I know) adopted by the furniture industry (yet) the concept opens up possibilities as yet unimagined.

The construction of a basic torsion box is relatively simple. As shown in the grid photo, build a grid with lap joints. This example could be 1x2 in a frame 2' x 6', to become a table top. Cover it with 1/4" plywood top and bottom. When a load is placed on the center, the bench wants to bend downward. That puts the top sheet in compression and the bottom in tension. They

can't bend because they are glued to the stringers and the tension and compression forces cancel each other resulting in incredible strength.

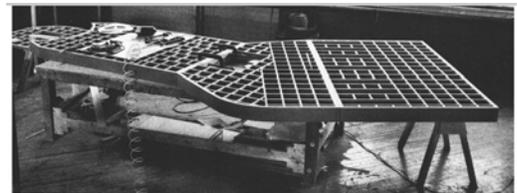


I find references that limit the thickness of this structure to a couple of inches. My engineering background and logic perceives that thicker honeycomb structure suffer the same rigidity issues of wood. Imagine a very large honeycomb, two feet tall, I can see the internal elements of the structure twisting, unless of course you built the big torsion box out of small torsion boxes.

The benefits of this type of construction are:

- ◆ Very light weight compared to a solid material
- ◆ Very rigid because of the canceling forces
- ◆ Able to be manufactured in a variety of shapes (like round or square)
- ◆ Applications: Shelves, workbench tops, table tops

I found the odd shape in this photo somewhere on the internet. Imagine building this out of lumber.



I ran across this useful website for calculating deflection of shelves-

<http://www.woodbin.com/calcs/sagulator.htm>

A 1/2" oak shelf with 30 lb. total load on a 55x10" shelf calculates at 1/32" per foot.

A Bed Project

The decision to research this subject came at a very opportune time. A bed building project, languishing for three years for want of a design, is going to take full advantage of this new knowledge. Rather than a footboard, one-inch slab three by six feet, the design needs more mass. It needs to be three inches thick. That's 64 board feet of glue-up if one were to actually approach it that way. Three torsion boxes will make the components shown in the



TORSION (CON'T)

photo. With a 1/4" skin it will double the amount of wood available after resawing. And the headboard will be twice the size, at six feet tall.

A mock up of the tailboard shown here proved to be very simple construction, light weight, and extremely stiff. The eventual outcome is exciting.

A Book Shelf Project

A final application description came from Ed Vachel.

He needed three shelves ten feet long, 10.5 inches deep and 1.75 inches thick. At ten feet long the middle shelf holds around 130 books. Quarter inch maple plywood skin and a half-inch hard, white maple fascia cover a poplar skeleton inside.

The shelf system is the essence of simplicity. And the strength is immense because of the amount of glue surface. One quip from the article I used as reference is this when you got to sell the house: "Shelf system for sale; comes with attached home." It won't come down unless you cut it off.

Three hard maple ledger bars 3" x 1 3/4" x 10 feet are bolted to the wall with seven 1/4"x6" lag bolts into the studs. The shelves were built, minus one side cap that will fit over the ledgers. The ledger boards and the inside of the plywood skin are coated with Titebond glue and firmly clamped in place,

The final great Edwardian test was a half hearted chin-up on the shelf. It held!

WOODWORKING SHOWCASE

BOB OSWALD

Time marches onward, *rapidly*. The Showcase is only three months away.

Convention Center- April 29, three days

Normally billed as the Ceramics Showcase, the largest showing is the potters guild, the people who founded this show. It now includes metal arts, weaving, glass, beads and of course woodworking.

The various guilds are meeting on details including the advertising budget. The advertising for this event has grown each year, so you should have great exposure for selling your products.

We are there for several purposes this year.

1. To provide a venue for our members to sell their products. Booth space is available now in 10x10 ft. segments. The fee is \$400 and is due to Gig Lewis by March 1.
2. We've elected to move our annual "in-house" show to this venue to give our excellent craftsman a chance to show off their work in the widest setting possible. This will be, as always, an adjudicated exhibition with our usual awards of ribbons and cash for 1st, 2nd and 3rd place finishers in each of the categories (Beginner, Intermediate, and Advanced). The stipulations for entry are the same as always: the piece cannot be from a kit; it has not

been shown in a Guild exhibition previously and it's not more than 2 years old. Entry into the competition is FREE! The Guild is picking up the tab for the booth spaces. All we need is YOU! For your peace of mind, we will be hiring a security service to keep an eye on your treasures. Let's make this our best showing ever. This could be the start of something big!

3. Local high school student competition. Letters have been sent to many area high schools with active wood shops inviting them to exhibit. They will have their own judging and awards. Final invitations will go out soon.

So ACT NOW PLEASE !!

Professional members send in your fee.

General members, be building an entry for this year's event.

For teachers and students who this reaches, time to be heavily into your projects.

For more information and to sign up, contact Gig Lewis in Oregon at 503-646-7056 or giginda@comcast.net

In Washington: contact Bob Vaughn at 360 254-3942 or bvaughn@pacifier.com

A TRULY SMOOTH ARC JIG

BOB OSWALD

There have been couple of newsletter articles about producing smooth arcs with a router. Using the router eliminates the tedious and careful sanding effort to eliminate the irregularities that result after cutting with a bandsaw.

Embarking on another arc need for the top of a curved-front table, the article about a bending stick for drawing fair lines a few issues back got me thinking about a way to use this principle directly with the router.

It requires a stiffer piece of bendable wood, one stout enough to hold its shape under the forces of a router bearing. The wood must have a good straight grain, which is true in all cases, so that it bends uniformly. A weak or twisty grain spot will cause irregular shapes.



This jig used a piece of 3/8" oak, captured between star knobs on a T-track. The T-Track bowed some under the force of the wood., so a 1x3 clamped as shown in the photo straightened that out. It took some trial and error to get the radius correct as it had to be unclamped from the stiffener to adjust the spacing.

All pieces should be 3/4" thick or less, the width of the T-Track, so the router rides flush and well supported when it's sliding along the jig. This one worked very smoothly and is the first jig that is manageable and produces great results.

Now a similar solution is needed for an inside arc, as would be used on the bottom of a table apron.

WOOD SOURCES

LEONARD WORTH

Some time ago Bob put out a call for favorite places to find wood. Better late than never, so here's my little bit. Being a consummate re-cycler I have made quite a few pieces of furniture out of old cargo pallets laying around the sidewalks in industrial areas. These things are often made of unusual kinds of wood including Mahogany, White Oak, and Cherry. Most often they are made of Poplar, or Pine.

One of my first attempts at furniture making was the dining table I made about 35 years ago out of an old Honduras Mahogany cargo pallet that was lying on the dock next to the ship I was on at the time. It is still one of my favorite pieces of furniture, filled nail holes and all, and it still looks as good today as when I first built it.

Even if you don't make "real furniture" out of it, one thing it's good for is making mock-ups of whatever you intend to build, to work out all the kinks before you launch into the real thing using that precious Pernambuco or Icelandic Lemon (very rare). Great stuff for practicing the ins-and-outs of the dove tail joint.

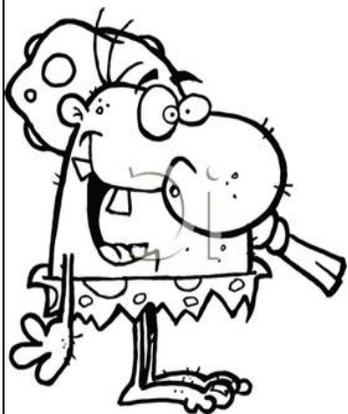
Another source of "free" wood is old discarded wood paneled doors. These were usually made of very fine grain old growth Fir, Red Cedar, or Redwood. The stiles (vertical parts) are about 5 inches wide, and the rails (horizontal parts) range from 6 to 11 inches wide. These beautiful clear vertical grain pieces often have 30 to 50 or more growth rings to the inch, and make especially nice drawer sides or boxes.

Whenever I hear the sound of a chain saw around the neighborhood I always seem to have to investigate. I already have more material than I will probably have time for in my life, but I always want more, so I have to ask "does anyone want this stuff?". Most of the time the tree trimmers are more than happy to find a proper home for it, and will even cut it to any length you want. So I load it up and head for a small sawmill where if they can get one dog in it, I'm good. In fact, as I write this, I'm at my home in Bandon Oregon where I brought down some beautiful Thunder Cloud Flowering Plumb from a tree in Portland. Beautiful stuff that exotic hardwoods have nothing on. Short pieces, but great for many things.

Check out these small one person mills that are in every small town in Oregon. You can get very good deals on all kinds of wood including Walnut, Madrone, Chinquapin, and White Cedar.

You get good deals when you dry it yourself. I once asked a fellow woodworker if he ever harvested his own wood, and he said no, that if he did, he would spend all his time harvesting wood. Perhaps so, but for me, it's part of the fun, and I always seem to have more time than money, so I don't seem to mind.

(Continued on page 7)



WOOD SOURCES (CON'T)

(Continued from page 6)

I have a now "old Hitachi" band saw that I plan to build a re-saw carriage for one day (item number 3000 on my to do list), but until I get around to it, I use a crude plywood sled that works amazingly well for it's simplicity. It's just a piece of ¾ inch plywood about 12 x 24 with a couple of sliding slots cut into it to accommodate the clamping block things.

Here's how it works. I had a *round* of clear Cherry someone gave me, about 30 inches in diameter. The first step was to use a wedge and splitting maul to quarter it. Then set one of the quarters on the sled according to the desired grain and cut off one edge to get a nice flat surface. With clamping blocks tight against the ends of the piece, tighten the ¼-20 bolts. If there is any rocking, I put a wedge shim under it until it lays solid. Then #10 wood screws through the end blocks and into the end grains on both ends. Set the left side

of the sled against the fence and take the first cut. Then I take it out, lay it back on the sled on the new flat surface, and take a second 90 degree cut.

From here it's just like any other piece of wood. If it's unseasoned wood, be sure to coat the ends with wax, and store it outside until it cures, otherwise it may revert back into its former state, firewood.



Watch your fingers !

SAND AND GLUE

LAROQUE ON THE LOOSE

I was gluing up two pieces of birch plywood today and they absolutely would not stay in position when I tightened the clamps and then I remembered to sprinkle a little fine sand all over the glue joint. Salt also works well. With a little pressure to embed the sand into the glue, the joint quit slipping around and stayed put while I tightened the clamps.

I use this for almost all my joints for the positioning and it sure saves on the alternative of using nails or brads to hold the parts in position. I find that if I hold them in position for a few seconds longer than normal it gives the sand time to sink into the wood. You can still reposition the parts before the glue tacks-up.

MORE ON NUTS & BOLTS

LEONARD WORTH

Well it's been some time since I wrote about where to find hardware and stuff for your special custom jigs, so I decided to write a little extension of that. This one is about nuts, bolts, and where to find them. Two places come to mind right off the bat.

First is Parkrose Hardware on about 105th, and SE Sandy. It is about the biggest hardware store in the world for about anything you might want, and it has the largest selection of nuts, bolts, and screws of all kinds, and sizes you can imagine. For an example of the variety, they have stuff like 1 3/8 inch dia. self-locking nuts, or 1 ¼ inch dia. grade eight bolts. On the other end, little screws, 0-80 X ¼ (.028 inch) in case you need to fix your wrist watch. They have things like # 30 ball chain (as in key chain), or ¼ inch copper pop rivets. Ball joint rod ends. Odd stuff like that.

Second, there's General Threaded Products a small hole in the wall old time family business located on SE 10th about half a block North of SE Division. They have all kinds of threaded product things like left hand threaded bolts, and screws so you can make your own turn-buckle when building that special jig with the adjustable angle thingy-whatever, security screws, etc. By the way, did you know that a lot of stainless steel is non-magnetic according to how much nickel content is in the steel. You may have noticed that when you tried to start a stainless steel screw in a hole using a magnetic tipped screw driver, and it falls right out. And of course NO brass, copper, or bronze is magnetic at all.

Winks Hardware is another old favorite Portland establishment that's been around forever, formerly over in NW Portland, now located on SE Stark about two blocks West of MLK. Lots of unusual stuff there including my favorite place to find solid brass or bronze cabinet hardware, or mortise style brass door latches for a reasonable price.

One more thing, no woodworking jig maker's bathroom library would be complete without an Eastwood catalog www.eastwood.com. They have all kinds of middle of the road cost things, metal working tools mostly. Tools that would certainly be useful in my shop anyway. How about a flexible board sander, or a round sanding block from the body shop dept. Maybe not for everyone, but I suspect that a lot of people that like to make things out of wood might just like to dink around a little in metal as well.

So there you have it, I certainly hope this helps you find the things you need, and good luck.



LAST MEETING: THE JOINERY

BOB OSWALD

Lecture and tour

Marc Gaudin, owner of The Joinery made the comment *"If it's wood, it's good."* And that was certainly the theme of our tour. Beautiful furniture with perfect finishes. A clean and organized shop with a well orchestrated work flow.



Started in 1982, Marc calls it his six-pack vision, no plan, build some furniture. Needing work, they started out in restoration, migrating into high end beds, futons. Growth and success occurred with hard work and time, and high standards. Today they ship all over the U.S. although their biggest clientele is still local. Their furniture mix includes 20% custom design, hanging on to original roots and the desire to please the individual.

Marc and employees attend the high end woodworking shows in Las Vegas, Atlanta and even Germany to observe and learn from the finest craftsmen in the world.

His employees are intensely proud of their work, each craftsman signing each piece of work he builds. Down from forty people in the strong times a few years back, The Joinery is still going strong with over 20 dedicated and highly skilled builders.

Guild attendance was a record high at well over one hundred people. The new employee orientation alone had over fifteen new faces. This even is one of our most popular; truly always a treat to mingle with the best for an evening.



SHOW AND TELL

Jim August brought his table from Bill Bolstad's class this month. A two day event where ten people took home more stunning hand-made furniture.



Jim Hall, beautiful turnings and always a new one to show. This one is carved Black Walnut the Rose Engine produces a pol-



Myrtle with a nut top. He uses frequently; it is polished ready to use finish.

Five wise old men, shown in the photo below, completed a Rocking Chair in a class taught by Ariel Enriquez. A

Marc is proud of their Stewardship focus. Starting 15 years ago they are currently No. 60 of our about 8000 people building with 'green' products.



He's also delighted to give back to the community a substantial share of his profits, having several charities on his favorites list.



Kerry Walker, Norm Michaud, Bob O'Connor, Dennis Dolph, Gig Lewis

CREATIVITY, ART, AFRICA

MICHAEL DE FOREST

“Hand, Mind, Wood: My Apprenticeship with Ghana’s Fantasy Coffin-Makers”

Michael de Forest, an artisan in wood, explores creativity and his extraordinary experience in Ghana at Catlin Gabel School.

Tuesday, February 15, at 7:30 p.m. in the Cabell Center on the school campus, 8825 SW Barnes Rd

Michael de Forest, teacher at OCAC and Catlin Gabel has been traveling. He has helped us many times, judging the Intra-Guild show. He’s well known for his creativity in the arts.



He spent two and a half months in Ghana in the summer of 2009 with Eric Adjete Anang, grandson of the originator of fantasy coffin making in the Ga community. These wooden coffins are assembled, carved, and painted in many fantastic shapes meaningful to their intended recipient—including fish, trucks, bottles of beer, pens, and boats. While in Ghana de Forest learned to appreciate not only his mentors’ practical techniques, but also the way they make creative choices collaboratively.

Take a look at his blog
www.MichaelDeForestStudio.blogspot.com

GLUE’S TOO FAST

BOB OSWALD

Here’s a problem we don’t hear about very often. Usually we’re sitting around the shop watching glue dry. Wishing it was instant so that we can get on with the project.

Gluing up a favorite and somewhat complex table project recently went too fast. It was a complex assembly with sliding dovetail, half blind dovetail, saddle joinery and getting four legs vertical, square and even. The dry fit was awesome, one of the best I can remember. But there were so many glue surfaces and so many assembly steps that by the end of the process it was extremely difficult to move a couple of components into place. At one point a number of violent blows with a rubber mallet were required.

The problem: Titebond I, the regular stuff. A better solution: Titebond III. It has almost double the open time. I find out later that Gaston High uses it exclusively to give the kids a little more time to work.



WITHIN A MILE

BOB OSWALD

Digital devices abound today in woodworking. Every imaginable application to apply great technologies to measure angles. One-Tenth of a degree.

I was reflecting on the sextant acquired last summer. Not good enough for navigation, but it can read the elevation of a star to about 1/4 of a minute, my ability to resolve the smallest division. That’s an accuracy of 0.004 degrees. A good sextant is accurate to 1 second, 0.0003 degrees.

At one nautical mile per minute (of latitude), the digital machine will locate us within a range of 0.1 degrees, or 6 minutes—that’s within 6 miles of the right place!

Pretty incredible those ancients.



SMALL TOOLS FOR SALE

RICHARD VUYISTEKE

Have many hand tools for sale including a Bosch 1/2" plunge router with 14 carbide bits in a wood storage case, also a Delta chop saw and Stanley planes as well as clamps and many miscellaneous hand tools. I can be contacted @503-477-9192.

Richard Vuylsteke
5485 SW Dover Lane
Portland, Oregon 97225

LUMBER FOR SALE

Air-dried Big Leaf Maple. Approx. 300 board feet each of 2"x16"x8' (16) and 1"x6"-8"x9' (64). Rough cut with stickers and weight. No warpage. Been stored for 6+ years. Not figured. \$2.75/bf. Stayton/Salem area. Patrick Collier at 503-507-8829. or ptcpatrick@gmail.com

SHARE WOODSHOP SPACE

HAMILTON BYERLY

Approx. 40 x 45 - 1800 sq. ft. Close In South East Portland Location. Available March 1

2 Table Saws, 8" Jointer, 15" Planer, Drill Press, Large Compressor, Chop Saw, Spindle Sander, Dust Collection, Mortising Machine, Heated, 3 Phase Power Available

Rent: ½ Of \$1,250 Plus Utilities For Two People (Will Consider Adding A 3rd)

Contact Hamilton Byerly (503) 310 – 0614

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.*

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**
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Goby Walnut Products
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Woodcrafters, Port-



AFFILIATES:

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

Northwest Woodworking Studio
Oregon College of Art and Craft
Northwest Fine Woodworkers



Guild of Oregon Woodworkers

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

We're on the Web!

www.GuildOfOregonWoodworkers.com