

OREGON WOOD WORKS

TOYS FOR TOTS: THE PLAN

GIG LEWIS & BOB OSWALD

You're all wondering how to get started. Great! Here's the plan we have worked out. You can work alone in your shop or you can join a group at Franklin High School (FHS).

You can build one toy from our plan or from your own plan. By the way, it's more time economical to build at least five toys at a time. At Franklin, we will build pre-determined toys to keep things organized.

Work with the Group at FHS

We will start doing Toys for Tots at FHS as a group on Oct. 9th, starting at 6:30 PM. *No work session on the Third Thursdays* This project will run each week for a month or two. If there is enough interest we can run through the end of November. We'll have a set of plans to build, but if you have made toys in the past, feel free to bring them. Maybe we can build a bunch of yours.

You'll learn a bit about production techniques, about building and using jigs. You'll help build a jig for production or assembly. It's amazing how much knowledge comes out of a project as simple as a little toy truck.

If you want some glue for the Toys projects, bring a small bottle to FHS. One of our

members is donating Roo Glue.

There will be a short lesson on making boxes at a future FHS sessions.

Work in your Own Shop

Some of you can't make it to Franklin Thursday evenings. That's ok. You can build a toy at home for the cause. It only takes an hour. You can browse through a toy book and build anything you like, but we have a number of plans for easy to make toys. Contact Bob for a copy. See the list on Page 3 Invite a friend to spend a Saturday morning in your shop sharing a project.

A Couple Other Things

Safety First—**bring your Safety Glasses and Hearing Protection.** Please read *Safety Standards* on page 4

We're having two classes on making toys. Gig has already set that up, two different groups. The sessions are full and are now closed. There was a large turnout for this opportunity.

If you have questions please call me at 503-985-7137 or Gig at 503-646-7056



Tool of the Month

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NEXT MEETING—OCTOBER 15, 2008 7:00 PM

Franklin High School, 5405 SE Woodward St. Portland, OR

This meeting will be about our own skills, and sharing them with each other. Just how do you turn a corner with wood? What tools and jigs do you have? What tricks have you learned through your experiences? Bring in your tricks, jigs, and projects that you have done, or are doing, and show them off. If you need some help, come with your questions and learn from what others know.

To Get There:

Take SE Powell to 52nd, turn North to SE Woodward, then right on Woodward; the shop is on the corner on the left.

Please, PLEASE bring in your favorite tool or technique and show us how you do it!

CHRISTMAS IS COMING

BOB OSWALD, PRESIDENT

Wow, the title sounds like all the big retail stores, some already playing Christmas music. But the flavor is different here. The Toys For Tots program is underway and picking up steam. And we're the Santa Claus people that have to get all those Christmas toys ready long before the snow starts to fall.



I'm delighted with the response on our Toy Building training class and am most grateful to Al Quattrocchi for offering this class. He'll be helping people understand some building techniques as well as providing templates for some toys. Al is an 86 year old kid who has been making toys for over 30 years, and he has made and given away thousands of toys

We already have a significant commitment of wood from Emerson Hardwoods, Hardwood Industries, Centerpoint and Moxxon hardwoods. Thank you all in advance for the wonderful support you're providing.

I've been busy working with Gig to get a few basic plans available. And in my own shop, I'm having fun!! It's enjoyable to plan a little "mass production" especially on a scale that's achievable with spare moments and a full scrap barrel. I just completed twenty truck kits, ready for additional processing and assembly at the tool show.

And we're trying something different for the Tool Show this year. We've not, in my time with the Guild, done much of anything with power tools, and yet the dominant building within the Guild is done that way. So we're planning a little 'model workshop' for the show, where Guild members will be building things. But here's the very critical part. We will need volunteers to run those tools for a couple of hours. So read about the plan on page 5 in this newsletter.

Well, got to run. Christmas is coming.

WORK IN YOUR OWN SHOP

BOB OSWALD

This little truck is so much fun to build. A lot of simple straight cuts gives you a quick and enjoyable feeling of accomplishment.

The trim, round over and radius, goes quickly too. Cutting door panels is a little tedious, but it tunes up your scroll saw skills. Or it could be a pattern bit with a palm router. With 40 doors to make for this batch, that's a strong need for a jig with a quick release clamping system, rather than double sided tape.

A number of trips to the scrap barrel produced plenty of material to make most every part. The box sides for example are 1 1/4" tall and 3" long, 1/4" thick. How many sticks are protruding from your barrel that can make this part. A stick of oak, split in half on the bandsaw and run through the planer makes dozens of parts. The body is 1 1/2" thick, so it e required glue-up of more scrap sticks.

I love production. It's fun, satisfying, to see stacks of parts. It's even more fun to see those parts become an assembly line of finished product. I think I know how Henry Ford must have felt, a truck rolling off the line every few minutes.

Pictured here is about half the parts for 20 trucks.



SHOP TOURS.... HELP

I am looking for people who would not mind sharing 60-90 minutes of their time for me to conduct a shop visit of their big or small shop. The information obtained will be included in the famous Guild newsletter.

It's a popular column and you have a chance to be famous.

Write me at willm.wood@gmail.com.

WELCOME NEW MEMBERS

August. Chris Hildebran, Daniel Beavers, and Dean Hiser.

September: Jim Riley, Patrick Goodall, Dan Munson, Richard Massey, Dennis Rodrigues, Richard Rothman, Peter Field, John Whitfield, Jenny Jecmen, Jeff Jones

Please introduce yourself to me, Bob Oswald, at the next meeting. I don't know who you are, so help me out, please.

PLANS AVAILABLE

GIG LEWIS, BOB OSWALD

Order now. Beat the rush. Build before Christmas.

There are a few toy ideas shown here that will be our core products. A sketch with basic dimensions exists. Contact me and I'll email you a plan.

TimberCreek08@gmail.com (Bob)

I'm counting on a great turnout from the Guild. I hope for it to be the best Christmas ever, woodworkers helping the kids. I've been on this kick for a long time, that people who belong to the Guild need to be DOING things, not just being a member. So build a toy in your own shop, an hour, that's all it takes.

Of course if you can join the community effort at Franklin High School on Thursday evenings, we'd love to have you there too.

For a good source of larger volume wood parts for toys, take a look at www.CasesWood.com

The following are our stock items, listed in order of increasing difficulty, with comments:

- ◆ **Delivery Truck**—quite basic, quite fun.
- ◆ **Dump Truck**—also basic. Hood needs a little redesign.
- ◆ **Cell Phone**—need to buy rubber tubing for the antenna. Bob O'Connor knows what it is
- ◆ **Puzzle**—different colored woods make this appealing
- ◆ **Freighter**—my own brain child. Nearly all straight cuts. Very easy and really cute.
- ◆ **Bi-plane**—Gig has the plans for this one.
- ◆ **Dresser**—for you furniture builders, a perfect opportunity to build scale models. A dresser, a table and chair set, for some little girl? I need a plan for this one. Perhaps 6-8" tall? .
- ◆ **Pen**—a gift for a teenager. Turn one or ten. Your basic pen turning project. (not pictured)
- ◆ **Jewelry Box**—this one has dovetails but this type of box is very simple to make. Add a pretty felt bottom.
- ◆ **Cradle**—difficult in that it probably would benefit from an assembly jig. Holding a lot of pieces and doweling them was a bit challenging. Remember, no brads.
- ◆ **Reality**—for the young girl, a cutting board, wooden spoons, anything that I, now the master of the kitchen, would use, on a smaller scale perhaps.
- ◆ **Others**—there are a number of other opportunities to build simple things. Call me please, if none of what's proposed strikes your fancy. Bob Oswald 503-985-7137



Cell Phone



Delivery Truck



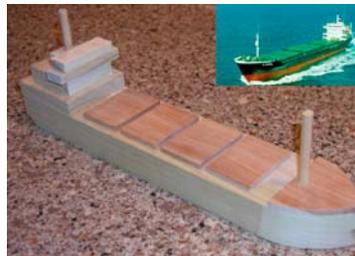
Dump Truck



Bi-Plane



Puzzle



Ocean Freighter



Dresser



Doll Cradle



Jewelry Box

GUILD SAFETY STANDARDS

BOB OSWALD

I have had an opportunity to discuss safety issues in the shop with a few Guild members, about prevention of accidents and consequences of them. It is in the best interests of our members to adhere to some standard practices when working in a power tool woodshop. Following is a summary of our new safety plan.

Assumption of Risk

Power tools, like many other things, have inherent risk of serious injury. We want everyone engaged in Guild activities to enjoy the activity and help to maintain a safe environment and operating practice.

Every participant will sign a waiver at each event acknowledging the risk of the activity and agreeing not to operate any equipment they are not experienced using.

Safe Practices

There will be a brief safety talk prior to each work ses-

sion where power tools will be used.

Everyone present in a workshop **MUST** wear safety glasses at all times, whether operating a tool or not. Accidents can happen dozens of feet away from a machine. There will be no exceptions. Each person present will monitor newcomers and assure that they adhere to this requirement. The Guild will have a few safety glasses available for loan if you forget yours. Please bring safety glasses and hearing protection to all Guild woodworking events.

For each power tool you plan to use, you must have the experience to use it safely. If you are not qualified to use a particular tool, you will ask the project coordinator for assistance.

Non-Guild members may not operate power tools.

Other details will be discussed in the safety talk.

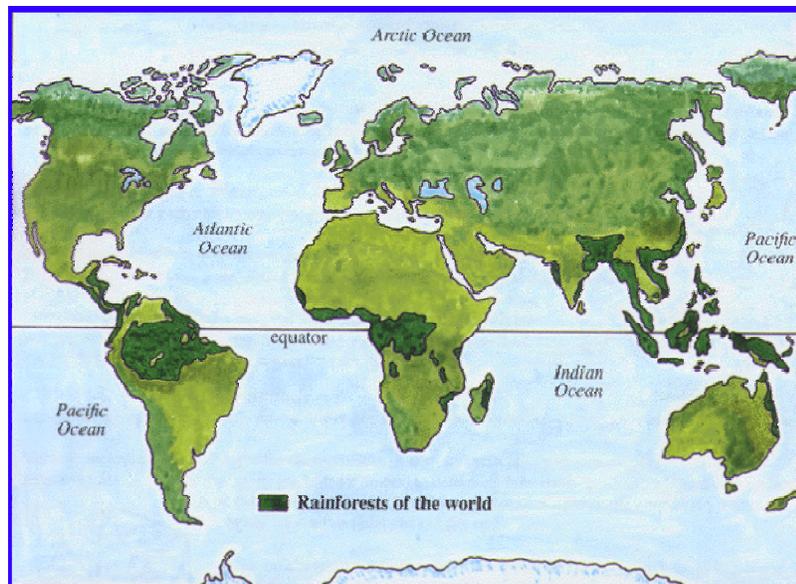
Be Safe, Be Happy

AROUND THE WORLD, THERE'S WOOD FOR YOU

BOB OSWALD

This is a pretty simplified view of this enormous topic, interesting non-the-less. Rainforests cover only about 6% of the Earth's surface. There are four major exotic hardwood regions in the world, the rainforests that is.

- ◆ South America, the Amazon basin, is the north central portion and is located within nine nations, Brazil being the largest at 60%. Nearly 40% of all remaining rainforests in the world are in the Brazilian Amazon. Typical woods include Jatoba, Cocobolo, Bolivian Rosewood, Osage and Honduran Mahogany
- ◆ Africa, the Congo basin, lies between the Tropic of Cancer and the Tropic of Capricorn. Tropical Africa rain forests are most typically in the West. Except for the Congo Basin, the tropical rain forests of Africa have been largely depleted by commercial exploitation, logging



and conversion for agriculture. In West Africa, nearly 90 percent of the original rainforest is gone. Olive-wood, and African blackwood come from the south. The Central region hosts Bubinga, Ebony, Sapele, Zebrawood, Mahogany, Paduk and Tamboti.

- ◆ The rainforests of Asia stretch from India and Burma in the west to Malaysia and the islands of Java and Borneo in the east. India, Laos, Cambodia, Thailand, Indonesia, Vietnam a very diverse area. Find Amboyna, Ebony, Nara, Palm, Paduk, Teak, Koa and Mahogany here
- ◆ The Northeast Coast of Australia is the Daintree Rainforest, over one hundred and thirty-five million years old – the oldest in the world. It is home to the largest range of plants and animals on earth. Exotic names from an exotic place, Conkerberry, Flame Sheoak, Coolabah, Snakewood, Tulipwood, Silkwood and of course, Eucalyptus.

OCAC SPECIAL WOODWORKING PROJECT

ROB LEWIS

Every year Oregon College of Art and Craft has an auction called *Art on the Vine*. Each year, I have donated something to help support the school. Last year I took a chance on something that was unusual for this auction, I built a ¼ scale farm wagon. It went over well and the high bid was \$3,500. Wonderful!!

This year the theme of the auction is “Craft is Community”. A great fit for this auction, I think, is some kind of collaboration where a lot of folks from the school and the craft “community” at large could contribute.

So this year I’m building a ¼ scale peddlers wagon. Friends and artists are going to make ¼ scale things to put in the wagon. One example a friend, Warren Olney, who made the broom for Harry Potter, has offered to make ¼ scale brooms for the wagon.

Other things in the works include small tools, pottery, books, and household items like washboards. Different people have committed to make these to benefit the College.

If any of you Guild members, and that includes

spouses or acquaintances, would be willing to make something for the project, I would like to talk to you. There is adequate time before we need to have the stuff, but I need to know what will be going in now so I can design compartments for them.

A while back, when I was pitching this to the OCAC committee, they asked if the wagon could function as something else, like a piece of furniture. I cringed when I heard “Tea Cart” mentioned, but was really happy that they liked the idea of this wagon also doubling as a humidior.

So it’s starting to feel that the top will open into a very nicely appointed humidior complete with all the trimmings. I will keep you posted on the progress. Thanks in advance for your participation.

Rob Lewis

Oregon College of Art and Craft

Wood Studio Manager 503-679-8788

TOOL SHOW DETAILS - STEP UP TO THE PLATE!

BOB OSWALD

The tool show is coming. October 17, 18, 19 at the Expo. We all go every year. It’s a great tradition. And each year the Guild has a booth and talks about the wonders of woodworking.

We are showing off our community spirit by working on “Toys For Tots” at the show.

We’re going to set up a power tool wood shop, like the kind most of the attendees have at home. A few quiet power tools, like a drill press, scroll saw, lathe, bandsaw, disk sander.

We need a number of people to step up to do a 3 hour stint. There are 3 shifts per day for 3 days, plenty of times to choose from. Talk about the guild and do some work on toys (exact details are in process). We will have material and plans available

And, if you have a skill you’d like to demonstrate, you can do that instead. Please call Ron or Ian to discuss your ideas for any special demos and what you need to pull it off..

Some of the material for the “show projects” will be precut where a table saw is needed, brought to a level where the next steps can be done with the quiet tools. Then after the show, those parts will be staged at Franklin High for

more processing or assembly.

If anyone has a bench top bandsaw we can use, please let us know.



A couple of people are already signed . We need more. **WE NEED YOU !** So please call Ian Walton or Ron Senger to arrange for a shift time.

No canned speeches, no waiting until the 2:00 showing. Just be there to have fun, drill some holes and talk to people who stop by.

By the way, there is no work session that week at FHS (the shop is busy that Thursday night) so come to the show instead..

Free admission for all volunteers

Email or call to run a power tool for a bit.

Ian Walton
503-841-5451
iwalton@apbb.net

Ron Senger
503-612-9612
rsenger@westmarkind.com

LAST MEETING: A GREAT PICNIC

BOB OSWALD

Perfect weather, great food, expertly prepared by Brian Warrington and his wonderful wife Tana. A goodly number of Guild members and spouses enjoyed pretty much just lazing around the pool and sharing time.

I brought a few Toys for Tots prototypes that Gig and I had prepared. An unexpected delight for me was some lengthy discussions about construction techniques, espe-

cially with minimal tools. There was also a good discussion



about some options for the upcoming Tool Show. Details of both projects, and how they can interleave, are covered in other articles in this issue.

Thank you very much Brian Warrington, Ron Senger and Marilyn Welter for the up front prep work. And thank you all for coming and sharing your ideas.

THE GUILD SHOW CALENDAR

Guild Show Calendar

Event	Coordinator	Dates
The Woodworking [Tool] Show	Ian Walton & Ron Senger	Oct 17-19
The Spring Multi-Guild Show	Bill Bolstad	Apr 24-26, 2009
Museum of Contemporary Crafts	Lee Johnson	2008 & 2009

Each shows always needs a few people to help represent the Guild. Your primary task would be to simply tell people what the Guild is about. If you're not sure of all the different aspects, we have a simple brochure that tells it all. After you've said it a couple of times, you'll know it by heart. Please contact the Coordinator to offer your assistance.

Ian Walton — 503-841-5451
 Ron Senger — 503-612-9612
 Bill Bolstad — 541-327-2280
 Lee Johnson — 971-219-0839

SHOP TIP

I have this on authority from a wood-working friend that it works well.

A way to extract those tiny, nearly invisible, impossible to remove splinters. Soak the affected area in Epson salt solution for about 20 minutes. Dry off the area and rub it with sandpaper. The paper, about 120 grit, will tend to roll the splinter out of the wound without you having to dig around to find it.

At 220 grit, you're ready to varnish.

I waited too long to soak my foot, having stepped on a tiny sliver of glass from a kitchen accident. It healed over completely. The offending piece of glass is still in there but so tiny it's invisible. I only notice in when I step on it just right :(

Do it right away..

ART & CRAFT SHOW

Looking for artists to sell at 3rd annual Susila Dharma Holiday Art & Craft Show. A 20% commissions will benefit Susila Dharma USA, a charity, which supports projects by individuals in Portland and around the world. To view some of these projects go to <http://www.susiladharma.org>

Fri. Dec. 12th and Sat. Dec. 13th Portland Subud House, 3185 NE Regents Dr Portland OR 97212.

Bright airy open indoor space in a great northeast neighborhood. Great opportunity to get in at the beginning of an annual event for a low fee & low commissions. A central cashier will handle Visa.

Fee of \$15 per participant includes booth space with a table.

We would appreciate some jpeg images of your work to use for a poster and postcards for promotional purposes.

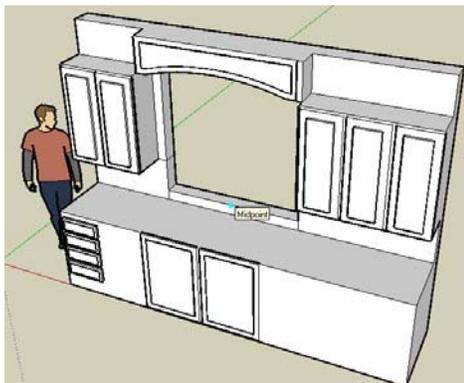
Contact Halima Wolfgang , Sale coordinator
halimawolfgang@comcast.net 503-577-2911

SKETCHUP SOFTWARE

BOB OSWALD

The November Guild meeting will feature Lloyd Johnson and a detailed look at Google's 3D solids modeling software. If you have any interest in doing furniture design on your computer you really owe it to yourself to get a copy soon and play with it. There is a very high quality free version at www.sketchup.google.com

If you experiment with it for a month, you'll be in a prime position to learn from Lloyd and ask much more educated questions. This will be a great learning opportunity,



A mockup of my kitchen remodel

and the more info you can start with, the more you will be able to learn. If you see it for the first time, it's just another whiz-bang computer thing that is hard to understand.

JOHN LOGAN MILLING

Here is a company starting up that can provide heavy duty woodworking tools to professional people.

This is a club for doing advanced wood working projects with members that enable us to go from stump to finished products.. This club is primarily for professionals who can bring as well as share opportunities.

We can provide all of the logistics and equipment needed that professional wood workers usually can't afford. Large tools like Farma-Self-Loading-Log trailers, sawmills, vacuum dry kilns for just in time manufacturing, CNC routers, Laser cutting and engraving, 20" planers, CNC Plasma Cutters (for decorative iron work) and a big shop with lots of other professionals.

One member owns a crane truck and a sawmill, another owns a sawmill and a conventional wood drying kiln. Another member is a decorative iron worker. Members are all self-employed and experiencing business opportunities from each others association.

We'd like a professional sign maker, a fine furniture builder, and an architect to join. Actually, anyone that does wood working professionally..

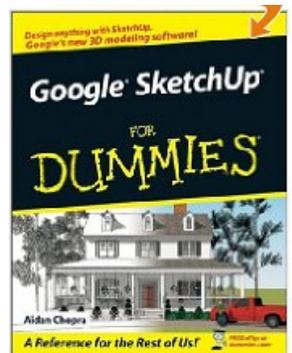
Contact John Logan, mobilelaserworks@yahoo.com
503- 253-0782



So go download a copy. It's free, installs easily and can easily be removed if you don't like it.

There is also a pretty good book available, *Google SketchUp for Dummies*. It does a great job getting you through the basics and understanding some of the nuances of this program.

I'm very anxious to hear this presentation.



GUILD SEMINARS

BOB O'CONNOR

Shaker Boxes with Kerry Walker

October 18, 2008, 10:00-4:00
Franklin HS, SW Portland
\$80 for members \$90 for non-members. (includes materials and lunch)

Learn how to make traditional Shaker boxes. The class covers all the steps from making bands and bending to final assembly. You should have a set of three boxes to take home.



Invisible 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.

Basics of Fine Woodworking

Starting Dates:

November—Full

December—Full

February—available

April—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

BOB OSWALD

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

Northwest Woodworking Studio 503-284-1644,
www.northwestwoodworking.com

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

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

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

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

ANOTHER FUN PROJECT

BOB OSWALD

I've been working part time most of the summer with Rob Lewis up at OCAC, building one-quarter scale wagons. Be sure to read his call for woodworkers on Page 5.

Shown below are the front wheels for that wagon, and a few more. The one Rob refers to will be auctioned off for the College early next year. There are a few others being built along with it. Economy of scale is a great thing, especially when you're building models. It's usually as easy to build five instead of just one.

There's a slight "but". Seven wagons require 28 wheels. There are 14 spokes in the fronts and 16 in the rear wheels. That amounts to 420 spokes. And on this kind of project, you always build a bunch of spares. I think we made about 600 spokes.

The fellows, six per wheel, become 168. And each one needs to be individual fit to its two spokes. Note the "spider wheel" in the background, waiting to be fit with fellows.

Jigs become a very important part of production on this scale. These wheels are temporarily secured with a large hose clamp. Their final step will be banding with a steel tire, in the fire, just like for real

They're so darn cute.



Resting, but ever alert

THE SPLITTER, A SIMPLE & EFFECTIVE SAFETY DEVICE

BOB OSWALD

Well, another breakthrough in my shop, this time on the safety front. I finally got tired of burned rip cuts when the wood closes in behind the blade. Maple's the worst I think.

The burn isn't all that bad but there's always a little wider cut and a trip through the planer. In the more extreme case, the saw will stall

So I stopped by a favorite woodworking supply store and picked up this particular product, MicroJig's MJ Splitter, as shown in the photo. It comes with a drill guide for precise installation and two splitters. It's for 90 degree cuts only. I'd really like a riving knife that would tilt with the saw, but that's a future upgrade. This works well.

This installation went as smoothly as you would hope for. Using the drilling jig, the three holes went in very well and the splitter pressed into place.



I did have an interesting experience with it, in front of a customer no less. Pushing a cut through the saw, it squeezed so tightly on the splitter that I couldn't push it forward. In

my normal recovery fashion, having plenty of wood to handle, I started to lift it off the blade. But it was clinging so tightly to the splitter that I started to lift the back of the throat plate. That could have been a bit hair raising, but, seeing it happen, I froze and carefully reached down to turn off the saw.

Waiting until it came to a complete stop, all was fine. No harm done but it was interesting. So be careful here. A splitter or riving knife helps a lot, but there are still issues to watch.

Turns out the splitter doesn't totally prevent burning, but it's significantly reduced and the cutting operation is a

lot safer.

If you don't have this device, pick up a spare throat plate for your saw and have this one on hand.

FOR SALE - \$\$\$ - FOR SALE - \$\$\$ - FOR SALE

WOOD SALE—GEORGE DUBOIS

Saturday, Oct. 4th. George's inventory of wood. A tool sale will come along in the future, after the wood is cleared away. Priced at wholesale or less. Ebony squares sold by the pound

- ◆ 150 bf of Birdseye Maple, 4/4
- ◆ 150 bf Western Figured Maple, 4/4 & 8/4
- ◆ Book matched walnut table top stabs
- ◆ Spalted English Beech
- ◆ Book matched table top slabs
- ◆ 10" wide cherry boards
- ◆ Table legs. squares
- ◆ Bundles of thin Western Maple Boards
- ◆ Western Red Cedar. old growth 12-16/4 X 6"-12" X 4'-5'

1325 Cara Ct. NW, Salem—hours 10 AM to 5 PM.

COLORWOOD FOR SALE

11 sheets of Colorwood, assorted colors. These planks measure approx: 11" x 35" x 2". Colorwood is dyed veneers, custom glued into a layered pattern. I bought these planks about 10 years ago from Rutland Plywood (for more info: <http://www.rutply.com/products/colorwood.html>). I used to turn wall vases out of them. Paid about \$85 sheet. Well the entire lot for \$400.

Michael Sage 360-253-5620



TOOLS - - -

- ◆ Excalibur table saw blade guard/dust collector - bought new from Barbo about a year ago, but never installed.
- ◆ Porter Cable 23ga. pinner - used a little, have two so this one's extra. A Normite essential "until the glue

dries".

- ◆ Delta 12" drill press - bench top, with new Grizzly table w/ fence, link belt.

Take a look, make an offer. David
jmogdt@spiritone.com

503 775 9894

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



SUPPORTING:

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