

OREGON WOOD WORKS

SHOP UPDATE

GIG LEWIS, PRESIDENT

I'm told that there is an ancient Chinese curse that says something like, "May you live in interesting times." Your leadership crew is starting to understand what that means. We are working through some interesting puzzles right now. Things like: What hours do we keep the new shop open? How much do we charge our membership to use the shop? Do we limit the number of hours per day, week, or month? Who gets to have a key and code combination? What tools should we have and what tools should the member bring? How do we sign up for time in the shop? As a team we are working on these pieces of the "Puzzle" and are actually making some headway.

I would like to thank all of you that returned the Education Questionnaire to Chip. The information in it is being used to help format where we are going and is one of the major pivot points being used by the Shop teams to make decisions. For those of you

that would like your opinions counted, please send in the questionnaire if you have not done so. We really do need this interesting information.

Yesterday, I met the electrician at the new shop so that he could add the 3-phase 230-v power that the SawStop uses. He spent about 3 hours poking holes and running wires, then spent about 1/2 hour in installing the electrical cord that plugs into the outlet. Just to make sure that everything worked correctly before he took off, we turned on the saw to see if it would run correctly. Well, it is easy to wire a 3-phase system incorrectly and if that happens, things run backward. You guessed it. Our saw ran backwards and ended up activating the brake, which meant a trip to



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NEXT PROGRAM — WEDNESDAY — JULY 17, 2013 7:00 PM

THE SHOP PEOPLE

418 SE Oak St., Portland, OR

Remember the Tech Shop tour a few years ago? Here is an eclectic version underground in Portland. Over 15,000 square feet and lots of woodworking space. They rent space for woodworkers and other crafts. You get your own key for 24/7 access if you're a monthly renter. They have a decent amount of equipment in woodworking, metal, jewelry and other specialties.

A number of other renters who run their business here will be available also to show us what they do. A couple of them include:

Lannie Keihn, one of the tenants, runs an upholstery business out of this facility and will do a little demo, with a few tips when you're preparing a project to be upholstered.

An option for those interested in rented shop space is a self motivated visit to ADX, located seven blocks east at 420 SE 11th Ave. If you do this, just drop in and ask about their facility and how it works. Then come over to Shop People.

Located at 418 SE Oak which is right on the corner of MLK and Oak, four blocks south of Burnside. Parking on the east side of the Willamette is free after 6pm. Don't park in the Miller Paint lot across the street. Word is they get nasty. This is also just a couple blocks North of Architectural Heritage Center.

SHOP UPDATE (CONTINUED)

GIG LEWIS

(Continued from page 1)

my shop to get my spare and then back to the Guild's shop. It now runs fine and I learned another interesting thing about electricity. One of our Shop teams will be putting all the parts of the saw together soon and it will be usable by all of us. By the way, if a member does trip the brake it will cost that member \$69 for a replacement brake, and a saw blade. AND this is a lot cheaper than losing a finger, and only just a little bit embarrassing.

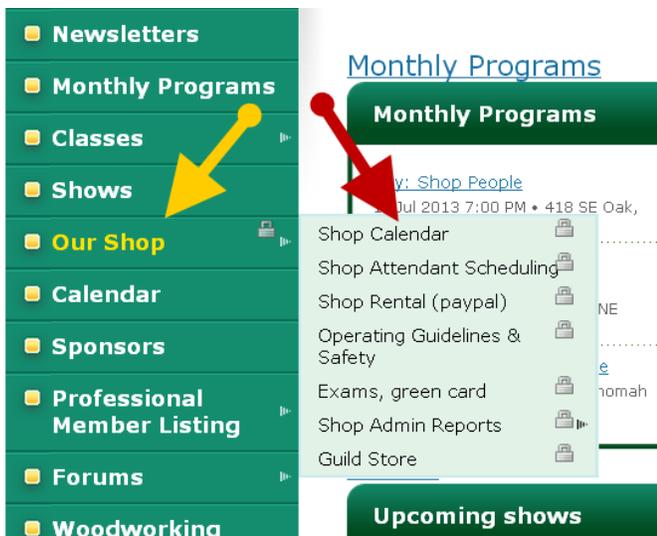
Recently, a few of us helped the SawStop company with some new videos that they will be using in their marketing program. Some of you may actually recognize the back of my head or even one of the rocking chairs made in one of our classes. Their crew was very knowledgeable about their craft of making the videos. In all, I think that they made 16 new 20-second spots, and they had about 12 team members

doing everything from sound to lighting and someone even did the "Quiet, please" part, too. We had members who were interviewed on screen, members that actually had working bit parts, and some of us got to stand around and just watch. The lead actor was changing out a new carbide tipped saw and got a small cut from one of the teeth. The "Make-Up" lady had to stop it from bleeding, and had to put some make-up on it so that they could continue filming him changing out a blade. It was an interesting 3 days.

The Community Projects team will be starting to use the new shop on Saturday, July 20th. They will be doing a form of a "Shake-Down" in addition to making some chest of drawers for the Open House Ministries in Vancouver. This project is open to beginners and everyone will get to do all the different phases of making the chests. Contact Ariel at arielphyllis@gmail.com.

NEW WEBSITE MENU: OUR SHOP

In preparation for opening the new shop for member use, a new menu item has been added to the website. It is only available to members, so you must log in with your email and password to make it visible.



The Yellow arrow shows the new menu item. The red arrow shows the list of sub-items under that category. The evolving current plan is to rent shop space to members in four hour time slots with a limit of 10 people in the shop at any time.

You're welcome to experiment with the choices and give me your feedback. Please restrict any comments to the structure of the site and how easy it is to use. Please do not comment on the shop plan itself. There are quite a number of committee people working on those details.

NOTE: The PayPal, while just a sample, is live so of you experiment with that we will thank you for your donation.

Briefly the choices mean:

- ◆ **Shop Calendar:** where you go to schedule shop time if you have purchased the rights to use it and have a Green Card. See Shop Rental (PayPal)
- ◆ **Shop Attendant Scheduling:** there must be a qualified shop attendant on duty for the shop to be open. They will schedule their time on this calendar. If no Attendant is available for a particular 4-hour shift, the Shop Calendar will be blocked out for that shift.
- ◆ **Shop Rental (PayPal):** Use PayPal to select a payment option. PLEASE note that the choices there are simply examples. The rates and time mechanisms are still being planned.
- ◆ **Operating Guidelines & Safety:** A lot of information about the safe use of the shop and tools. The tool safety rules will help you prepare for the Green Card exam
- ◆ **Exams, Green Card:** Sample of the test that you must pass to acquire a green card. To use the shop, you must possess a Green Card, issued by the shop administrator.
- ◆ **Shop Admin Reports:** Used for administrative purposes to verify qualifications of people permitted to use the shop. Not visible to normal people.
- ◆ **Guild Store:** Current plan is to have some limited supplies available for member purchase (sandpaper, glue, etc.) for convenience only if you run out during your shop time. We do not currently plan to stock items for regular use other than for community projects.

NEW SHOP OPPORTUNITIES

ARIEL ENRIQUEZ

The Guild shop needs volunteers to serve as shop attendants during any open hours. Attendants will be asked to work 4-hour shifts. No prior big-machinery experience is needed. We will show you what you need to know. All members are welcome to join in this effort. Interested? Please contact Ariel Enriquez at arielyphyllis@gmail.com

The Guild is ramping up our community projects again and we're using this effort as our shake-down cruise for the new shop. We have a couple of bodies lined up already but we can use at least three more (total crew of 6 for the first go-around; we may go bigger the next round) volunteers. Interested? Contact Ariel Enriquez (arielyphyllis@gmail.com) to get on board. The work will begin sometime during the third week in July.

THE OREGON STATE FAIR

BOB OSWALD

Jim Madaras, show coordinator for the State Fair, could use a few more volunteers to help be in the Guild booth and tell people about what we do.

There is a sign up sheet on the website to make it easy for you. On the home page, under Shows, click on Oregon State Fair. A simple button called *Sign Me Up*. Takes you right to the spreadsheet where you can see the schedule and pick a spot where you can help.

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Oregon State Fair

Start 23 Aug 2013

End 02 Sep 2013

Location Salem Fairgrounds

Registration

- Volunteer - Free

The Guild will have a space in the Jack public. We plan to:
* Demonstrate Woodworking Hand T
* Join with other Guilds (Turners, etc)

Contact [Jim Madaras](#) with questions or

The following [sign up sheet](#) is on line on Please be careful not to disrupt data th

[Sign Me Up](#) .

Oregon State Fair 2013 E	
Thursday, August 22	NAME (Please Print)
LOAD-IN	
10:00 AM	1)
to	2)

Please don't accidentally delete someone else's data.

We look forward to spending some time in the booth with you also.

FINISHING THOUGHTS

BOB OSWALD

Finishing, the perpetual challenge. How many ways are there, and how many variations? What works for you that doesn't work for someone else.

A recent exchange with another woodworker led to a modification of a process that has been evolving in my own shop, an adjustment to a method that I'm liking at the moment.

Being a fan of varnish for its beautify and durability, the recommended method from other advanced folks I know has been the following.

- ◆ Final sand to 220 grit.
- ◆ Apply a very liberal coat (Bill Bolstad's coaching) until the wood has no dry spots. Wait five minutes and wipe it off.
- ◆ Apply about five more coats thinly, wiping off each after ten minutes, light sanding at 400 grit between coats.

This has worked well on several projects but impatience rears its ugly head and a modification appeared.

Instead of

- ◆ For the second coat, apply a little heavier and don't wipe it out, planning to get faster buildup.
- ◆ Apply a thin third coat, rubbed on thinly but not wiped

That worked in general but left the final coat with a need for buffing as there tends to be a tiny bit of contamination roughness. Depending on the severity, the buffing sometimes led to a need for another thin coat. It wasn't working well enough.

A big note however about wipe off versus not. If you don't wipe off a coat, dust free environment becomes critical. That's the beauty of wiping off each coat. There's nothing wet enough left on the surface to cause dust to stick.

An improvement recently arose from a question from a friend, "I wonder why it's not smoother. The last wipe-off should have left it better than that.." The answer was simple, I didn't wipe off the final coat.

Returning the project to the shop, it got buffed smooth with a 320 pad and this time, a coat of varnish thinly applied, wait ten minutes, and wipe it out, did the trick. The feeling was like glass and the build up was fine.

So I'm still rushing the process. Sometimes you must. But when you don't, five coats or more, wiped each time, has always produced great results.

A shortened option in the press for time seems to be one non-wipe coat and one final wipe coat.

Finishing is a great game and this is all just another data point for you to consider.

LIFE LESSONS

You often hear that a woodworker is 'self taught'. You've probably also heard that experience is the best teacher. Well, over the years my experience has taught me many, many things, and based on experience I've learned a lot. Some humorous, and some not, here are some of my woodworking life lessons:

If you are wondering if what you are about to do is safe - it isn't!

If what you are about to do didn't work last time - it probably won't work this time.

Kickback is not a theoretical problem that you only see in safety videos.

Leaving the chuck key in your drill press and turning it on is a bad idea.

Leaving the chuck key in your lathe chuck and turning it on is a really bad idea.

Gnomes don't magically clean up your shop at night. Neither does your mother. If you leave it a mess at night, there is a pretty good chance it'll be a mess in the morning.

It takes less time to put a tool right back after using it than it does to find the tool the next time you need it if you don't put it back.

Saw dust gets everywhere.

No matter how good your finishing procedure is, there is a fly that has found a way to screw it up.

Trying to get the fly out of the wet finish causes more damage that letting the finish dry and then sanding him out.

If the product you are about to use says to first try it on a small spot, you probably should.

Worn out 100 grit sandpaper is not the same as 220 grit.

When that little voice in your head says don't do this, listen to it. It's always right.

Doors cause memory loss. How many times have you set off to another room to do something but as soon as you get there you can't remember what it was. That happens because you went through the door.

Note: I lost the email from the fellow who sent this to me. If you'd like credit next month, please drop me a note. My humble apologies. Bob

timbercreek08@gmail.com

NEW MEMBER ORIENTATION

BOB OSWALD

Norm Baird, our current orientation guy, has joined the Board as our General Member at Large representative. He's looking for someone to fill the Orientation role. The job is both easy and fun. You get to tell the new folks each month, in a 20 minute or so discussion, some of the attributes of the guild.

We created this position several years ago and found that it has helped keep new members from leaving the Guild after a few months, feeling isolated and discouraged. Now they know at least one person, AND, they get a quick and deeper understanding of what the Guild means.

It's an important function. There is a written list of benefits the presenter can use to help you do the presentation. You'll find it quite rewarding to work with the enthusiasm of a new member.

Contact Norm Baird at nbaird@toledotel.com if you're interested and would like a little more detail.

HELP LARRY BUILD KITS

A Few Sawdust Makers Possibly Needed: The Guild is making 100 small tool tote kits for 5-10 year olds to nail together at the Clackamas County Fair in August. If you are interested in working at one or two work sessions in July in Larry Wade's Beaverton-area shop, especially if you haven't worked on a Guild project before, larrywade@comcast.net."

2013 BOARD OF DIRECTORS

JUNE UPDATE

Officers

President: Gig Lewis

Vice President: Ariel Enriquez

Secretary: Bill Hamilton

Treasurer: Roger Crooks

Committee Chairs

Membership: Larry Wade

Meetings: Jim Madaras

Shows: open

Communications: Bob Oswald

Community Projects: Ariel Enriquez

Education: Chip Webster

General Member at Large: Norm Baird

Professional Member at Large: Bill Bolstad

BOARD MEETING MINUTES

The board of directors of the Guild of Oregon Woodworkers meets monthly before the general meeting. Minutes of this meeting are available on the Guild website at

www.GuildOfOregonWoodworkers.com.

Click the "Board Minutes" entry under Members Only.

JUNE PROGRAM: CREATIVE WOODWORKING NORTHWEST

BOB OSWALD

Mike Redmond, owner of his family run business, treated the Guild to a wonderful barbecue followed by a tour of his custom shop. This meeting was an opportunity to see molding manufacture from another perspective. Molding is one thing they do. Creative Woodworking Northwest has some very expensive and sophisticated equipment to do that. But Mike also is a custom shop for something even as simple as a lady walking in with a board to be cut.



Mike's whole family runs the business, much to his delight. A joy and a blessing to work with your children and to enjoy it, day after day. He had so many glowing reports about the skill and dedication each family member pours into the business.

Creative Woodworking Northwest looks cavernously spacious as we walk in. So much working room. When you stop by on a normal work day, it's a different story

when the wheels are turning. Delivery trucks bringing in and taking out.



Forklifts, lumber stacks in motion, all machinery running. The small family crew the night before did not look like enough people to handle the operation. It's big and it moves fast. Very impressive.

A big attraction is the wide belt sander. As woodworkers, there's more of an aversion to sanding than most other aspects of woodworking, well, except for sharpening and finishing, and so on. But more typically in sanding we have a large glue-up table top that defies any kind of home shop flattening. My own large glue-ups are pre-flattened and



sanded and then very carefully joined to avoid as much as possible any steps at the joints, or curving of the final structure. Much easier to say than to do. That's where the wide belt just "fixes the problem". You can look up the specs for industrial sanders on the Internet. It's great fun and educational to see them in action up close. The operator measures your board with a vernier caliper, then sets the sander to a thousandth accuracy. Incredible.

And how's this for a dust collector, a dump truck!! Avoiding the effort, expense and real estate of storing sawdust until it's time to haul it off, a truck sits in the shop where the dust bin might be. A sophisticated dust collection system monitors air flow and machine load at all stations and regulates the flow through the entire building to minimize effort and direct the air where it's needed most. When not needed, it throttles back to save energy. When the truck is full, TWICE A DAY in a busy season, it's driven to one of several destinations

that use his recycled material. The very fine sanding sawdust, normally difficult to get rid of, is

used by produce handlers to soak up the liquids dripping from vegetables. Nothing, as they say, goes to waste.

The big bandsaw sports 4-inch re-saw blades. Of course we joked about doing the three loop fold on it.

Thanks so much to Mike for wonderful hospitality.

Try to stop by and use his services. I've used his wide belt and sent a number of PCC students there. We're all very happy with the price and the results.



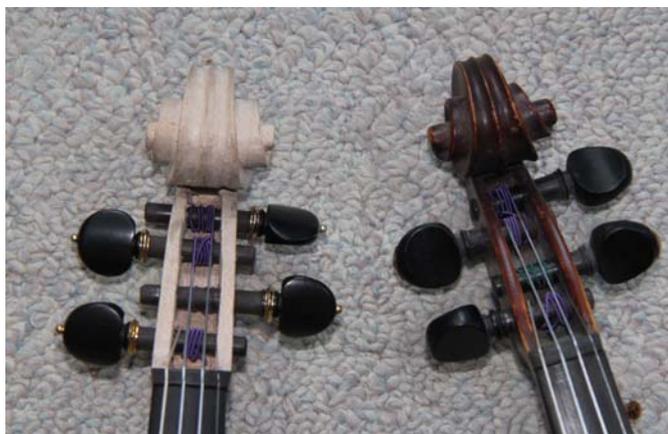
DUPLICATING WOES

BOB OSWALD

This project took an ironic twist. During the fitting of the pegs on the violin project, I couldn't find information in the instructions about how to size the pegs, how far they should protrude from the sides of the peg box.

I did the next best thing and look at two other violins that I own. They were similar in appearance, so I copied them, carefully.

At the completion of the project, reviewing the results with Jack at MIR music, he said, "Your peg spacing is all wrong. The protrude too far and the heads are too close to the box. They should be flush with the exit end and be 15mm spaced to the heads."



An exact copy of a worn out violin

Interesting. And the light came on almost instantly. I copied two worn out violins—exactly.

I guess if that was the mission, I could have considered it a great success. Returning to the instruction book, the methods was clearly spelled out. Of course it was one sentence and one specification in a huge book.

A new set of pegs and more careful carving produced the correct final look.

Wow, replicating is an art also. Keep that in mind if you're restoring a piece of furniture. Be sure that your restoration is correct for the part you are doing.



Properly install pegs

THE COLOR OF LIGHTS

BOB OSWALD

There are great choices in small, hidden lighting systems today. And putting lighting in your cabinets really dresses them up. The soft glow, in the living room at night, entertaining guests, tells of your pride in your work.

LED's have become very common and very popular. Their big advantage is very lower power consumption, therefore generating virtually no heat. You don't need ventilation. They can be installed against the top inside of a cabinet with a small hole for the wire out the top.

But they are a very bright WHITE light. They look good in the store and they do look good in a cabinet, one that stands alone with a nearby, lighted neighbor. But when comparing three cabinets over a glass of wine the other evening in my living room, I noticed a strong difference with the new LED cabinet. It's a harsher light. Kind of pure white you might say.

The other two cabinets have Halogen lamps. A slight yellowish caste that makes them look rich and warm. The disadvantage to halogen is that they must be mounted in large holes in the top of the cabinet to allow the heat to escape. In most cases it's invisible and just fine. Also they have a shorter life.

So consider the different types and their pro and cons when you plan you next installation. Overall it may not matter. But it's more of a factor than I realized.

WELCOME NEW MEMBERS

BOB OSWALD

Space limitations and oversight found this column missing new members who have joined the Guild since February. Quite a list and thank you to all of you for your interest in the Guild. We hope it will be a long and mutually beneficial relationship.

Welcome to the Guild these new members who've joined since February: Garrett Erickson, Rachael Dodson, Julia Baldwin, David Lochelt, Glenn Schroeder, John Pearson, David Legg, Dean Jones, Kathy Dene Mersereau, Robin Hochstetler, Le Rupp, Donald Hollerich, Kevin White, Ric Fry, Ron Gerton, Eli Murray, Brian Riverman, Mark Atkinson, Joshua Glover, Ken Vincent, Gary Syphus, Deirdre O'Donnell, Ian Herdell, Michael Jesse, Terry Foltz, David Fuller, Robert Lee, Stephanie Vaughn, Kevin Turner, Edward Rosanski, Anthony Marrone, David Hentzel, Steven Silverstein, Katie Boehm, Leslie Faus, Chris Cota, Marc Cota, James O'Rourke, Jeff Fuchs, Mark Downing, Matthew Leech, Tony Cosby, Steve Haskett, Bob Draper, Robert Youngren, Tenzin Wangdu, Josh Young, Nick Young, Thomas Baker,

We're happy to have you with us. Say hello to an officer at the next meeting so we can get to know you.

BILL BOLSTAD LEGACY

BOB OSWALD

An intriguing discovery occurred a couple of weeks ago. Actually in discussing life with my wife over a glass of wine, she made the discovery. About tables and legacy.

I took a table making class from Bill Bolstad way back in March, 2008, five years ago. Inspired by some of his other creations, I developed a table of my own, one that has won me three awards in various shows. A second generation. Inspired by both Bill's designs and the rigged, yet relatively simple construction, this table went together quickly and won a place in our kitchen entry. My sister-in-law fell in love with it, so a twin was built that will be delivered to Colorado this summer

It was much easier, and the first time ever when I built a second project, copied from the first.



Table made in class



Second generation award winner

That table led to a third generation table, a bow front with a different style of attaching legs. I showed the end result to Wade Sims

one day, shop teacher at Gaston High School. He liked it, modified the implementation to fit the high school tool and skill environment, creating a 'standard table' project.

That first iteration (fourth generation) needed improvement, primarily in the strength of the leg system. So generation five was born in 2013 with a more robust structure, still within the grasp of young students and the tools at hand.



Third generation—bow front



4th & 5th generation Gaston class project

Over twenty tables of this design were entered in the Gathering of the Guilds Student Exhibition this year. It was a requirement for part of the students final grade, to build a sufficiently complex project, complete it on time and present it to the eye of the public.

On a final note, two more tables of the second generation design have been built and will be raffled at the Oregon State fair this fall.



2013 Oregon State Fair prizes

Bill, you are a tribute to mankind. Giving of your knowledge, rather than hoarding it for fear of competition, you're making the world a much better place. You should know the far reaching efforts of your teaching.

FOR SALE

My husband made ducks by carving a duck head and putting it on a golf club head. They were painted and had eyes that would match the duck in real life. Some he put clocks in, they turned out very cute. I have about 6 pieces of carving wood, plus many knives, tools, etc. for sale.

Ethel, 503-684-4468 and ethelsunn@gmail.com

TABLE: SWEET AND SIMPLE

BOB OSWALD

While helping the kids at Gaston High School build a table, it occurred to me that this table is fast and easy to build, yet quite elegant. The kids build it forty minutes a day, five days a week over about a month. They learn about safety, large power tools, milling, joinery, gluing, finishing and installing hardware.

I built one alongside them for the One Horse Tavern auction in Gaston, an annual scholarship fund raiser for Gaston HS. It gave me the opportunity to follow the kids along and be better able to help them when they needed it. I built it much faster because I had a shorter deadline. It's only a couple hours of work and hopefully will inspire some of you new woodworkers. If you newer Guild members are just starting out and not sure what kind of project to tackle, consider this one. Everyone needs another table.



The basic table structure is thirteen pieces of wood, half of which can come out of the scrap barrel. A top, four legs, four aprons (skirts) and, four hanging rail parts. It goes up from there but that's the mental starting point.

Make the skirt and base

The kids start by cutting the four skirt pieces. The design includes a drawer on slides. You can skip this part in your first project to simplify a few building issues. They start with rough lumber to learn the milling process.

Plane lumber to 3/4", enough to make:

2 each skirt boards 42" x 4"

4 each skirt/drawer box 8 1/2" x 4"

2 hanging rails 8 1/2" x 2"

Note the easy dimensions; 4" wide boards throughout, 8 1/2" long for all the cross pieces. Those boards, when assembled, build the table base.

Decorate the ends of the long skirt boards. You can make any shape appealing to you. The photo shows an "S" shape. Bandsaw and sand to final finish. Final sand all the skirt boards.

Mark a light pencil line on the inside of the long skirt boards 4" in from each end. If you're going to install a drawer, mark lines 8" out from the center on each side. These are the locations of the short skirt boards.

Drill the short skirt boards for pocket screws to attach the short skirt boards to the long ones. Align the short skirt boards to the long boards and clamp securely. Check for square. Pocket screw the short skirt boards to the long boards.

Make the legs

Pretty straightforward if you start with 2" or larger stock. Plane to 2", or a little thinner, just enough to get rid of the rough lumber marks. We'll cut to final size a little later. Cut final leg sizes to 28" long and ripped square to your smallest dimension, but not less than 1 3/4".

Dado the legs

Hold all the legs in a 2x2 cluster, with the front legs towards the front and the grain the way you like it. Draw a circle in the middle of the group that will help you get them back in the same position. Mark the top of each leg with a left-to-right line to designate the slot direction. Put an X or a piece of tape on the front of the front legs and the back of the back legs. These marks must go against the face of the tenon jig.

This looks a bit tricky. Clamp the leg to the tenon jig, blue tape against the jig. You'll want to clamp the leg to the jig with two screw type clamps. Squeeze style clamps aren't strong enough to keep the leg stable.

They use a 3/4" dado blade and a homemade tenon jig. Set the dado blade about 1/2" high and position the rip fences to the cut about 1/2" from the outside edge of the leg. Make the cut, carefully lifting the jig high and to the right to clear the blade at the end of the cut. Raise the blade an inch at a time, making another cut, until it's at maximum height about 2 1/4 inches. One might look at this and call it risky. I watched 20 kids perform the maneuver safely and confidently. The lesson they learn here is to focus and pay attention. One fellow did bump the jig against the blade and gouged a chunk out of it. We stopped the whole class and had a lecture about paying attention.



Hold the tenon jig as shown in the photos. Note the safe and out of the way position of both hands.

After the full height pass is complete, test fit the apron in the slot. You must plan the dado width to be slightly nar-

(Continued from page 8)

rower than the apron. Note the starting position of the rip fence so you can reset it. Bump the fence gently to the left and recut the full height dado to slightly widen the cut. Test against the apron and continue until it's a firm fit. Reset the fence to the starting position.

There can be significant tear out on the exit side, so go slow here. When all the leg dados have been cut, it's back to the table saw for a light ripping cleanup pass, particularly on the tear out side.

An alternative to the dado blade is to use a standard ripping saw blade and make the two outside cuts. Then trim out the waste with a bandsaw.

Taper the legs

This is an option step but it adds quite a look of elegance to the table. And it's an option that several of the kids chose.

This is done with a very standard taper jig as pictured. The trick here is to do them in the right sequence.



Stack the legs like you did earlier in the 2x2 block. Mark X's near the bottom of each leg on the INSIDE faces. There will be two marks on each leg. This is critical to get right. The legs become dedicated to that position on the table after the taper cuts. Another way to envision the taper is that the OUTSIDE of the legs (front, back and sides) are straight, not tapered.

Final sand the skirt boards and legs. Test fit the legs. Slide them onto the skirt boards at the position of the short skirt boards. Remove, add glue in the dado slot, holding it back from the edges to minimize squeeze out. Install each leg on the apron and clamp it to dry.

Skipping the details of making a drawer, you should have a finished table, ready to apply your final topcoat.

BOARD MEETING MINUTES

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FITTING GLASS SHELVES

BOB OSWALD

This seemingly easy task, ordering glass for your cabinet, turned out to be quite a nightmare in the past project. I accurately measured the length and width (I thought) and ordered six 1/4 inch pencil polished shelves.

To my chagrin, they were too wide. At 34 1/2 inches, I checked with the glass shop and they quoted a 1/16" cutting tolerance. The shelves came in 34 9/16" wide. In tolerance, but too long to fit in my cabinet. Somehow I missed the true measurement. Some fancy glass grinding with some stained glass equipment initially salvaged the shelves without ruining the visible pencil polish edge. Not a great solution, but not visible.

The next rub came when I closed the cabinet doors for the first time with the glass shelves installed. Cruel lesson 2. The depth of the glass shelves was measured to fit just inside, touching the back of the face frame.

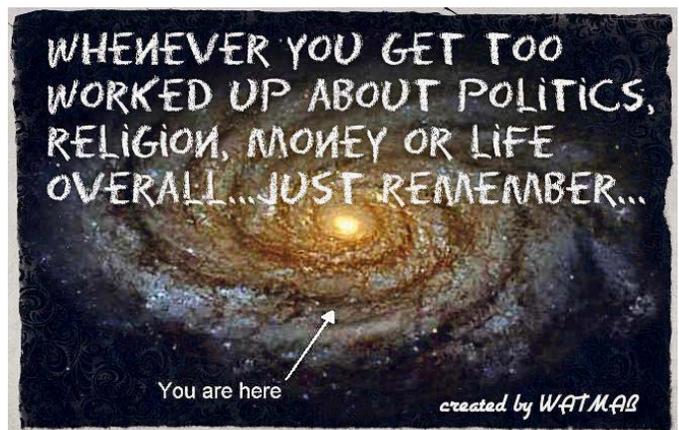
The doors are flush with the back of the face frame, BUT there is a 1/8" trim strip around the glass holding it in place in the doors. So they invaded the cabinet space by that 1/8", hitting the shelves.

HOW would I do it different this time? Spacer blocks. In re-measuring for the new width, paranoia was running rampant. The simple solution was to cut two 'sticks' from the long stuff sticking out of the scrap barrel. Roughly 3/4" x 1/4", one was cut to the maximum tolerance of the new dimension, 34 5/16" and one was cut to the minimum cutting tolerance, 34 3/16". Placing them inside the cabinet allowed me to accurately assess fit and alignment with the shelf pins.

Time to reorder shelves.

WHAT would I do different in this case? Do a COMPLETE final assembly. I did do that on the cabinet, checking the doors, etc. But not having the glass shelves, that step was skipped. I SHOULD have cut a piece of plywood or cardboard to mock up one shelf.

It was a \$120 lesson, one that will 'add to the base of knowledge'.



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- *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.*

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