

August 2022

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of
OTOW Woodshop

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This Issue:

Welcome to the ***OTOW Woodshop Quarterly.***

OTOW Woodshop information and activity.

Our plan for this and subsequent issues is to use the following format:

- Comments from club officers and committee leaders
- Shop activity
- Shop Demonstration and Information (videos/classes)
- Feedback from our members
- Woodshop tip—"how to do it tip"
- Featured Project and/or Article

This is a work-in-process publication — we look forward to any comments and/or suggestions, you may have.

Please use this websites "Contact Us" page for your feedback.

In this issue:

Tip - Jigs available and their function

Featured article—Field trip to local specialty wood source

Featured project—Making frames for canvas artwork

Publishing team:

Ed Casper & Ed Glynn

Board meetings are held

Monthly (except August)

on the third Monday

@ 3:00 pm

meeting room adjacent to the woodshop

all Woodshop members are invited to attend

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Message from the Woodshop President



Things at the Shop seem to have slowed down for the summer. Not sure if it's the fact that our snow-birds have flown north, the early excessive heat is keeping everyone inside, the high cost of materials, or something else. In any event it seems to be less crowded, so now may be the time to draw up some plans, buy some lumber, and make some sawdust.

...Slowed down, except for the activity around the recent A/C leak and ceiling collapse, of course. The cause was the air filter became so clogged with dust that the A/C unit froze up from lack of air flow. Then the melt saturated the ceiling. Wonder where all that dust came from? Apparently, the safety switch failed to shut down the unit and OTOW is investigating solutions to preclude a recurrence. I was very pleased with their response, both to the initial call for help, and performing the repairs in a timely manner.

Even before the "incident", we have been evaluating the air quality in the shop, trying to identify the big dust contributors and looking for ways to capture more dust at the source. So far, we've added a vac at each SawStop table saw and they seem to be doing a better job. We've purchased two new ceiling mounted air filters and have asked OTOW to install them, so expect another Shop closure when they schedule that work.

I'm sure our Education Committee will have an article somewhere in this newsletter. Be sure to take advantage of the new videos that have been posted as well as the upcoming classes. The videos are quite well done, informative, and worthy of your time.

Finally, a reminder that there will be no Board meeting in August. See you in September.

Bob Wilkes,
President

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Woodshop Tip for the quarter JIGS

Definition:

In woodworking, a jig is a name for any custom-made piece that is used to control the movement of a tool or work piece. When used properly the jig will produce accurate results, minimize waste and save you time. Two key words "**control**" and "**properly**".

**Whether cutting weird shaped boards or cutting 36" circles -
a jig will help you with your project.**

The OTOW woodshop currently has 14 jigs.
They are:

<u>TOOL</u>	<u>JIG & FUNCTION</u>
Table saw	Precise and/or repetitive cuts* Ripping thin strips* Cutting large panels or wide boards Cutting a straight edge on a long board* Cutting a straight edge on weird/unusual shape board Cutting spline slots in corners or mitered edge Cut square tenons for mortise and tenon joints Cut tapered boards
Router	Cut dove tail joints Cut circles over 6" diameter
Router Table	Limit stock travel for blind cuts
Grizzly Band Saw	Cut circles >5" diameter* Cut circles >5" diameter from oversized stock*
Shop Fox Band Saw	Resaw stock up to 9" high*

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* OTOW woodshop videos available
Check out the "Video" section of this website

The following screenshots are from one of our shops videos.

Jigs continued

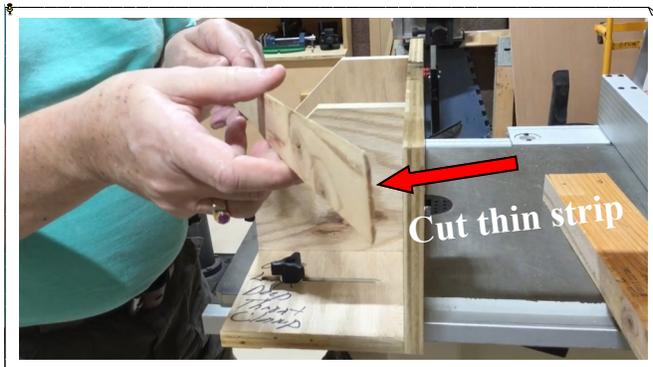
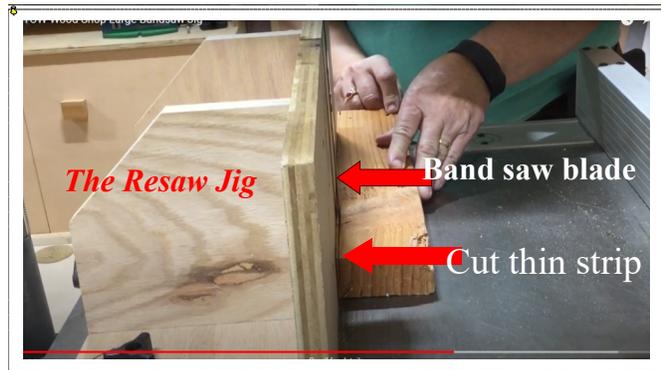


Screenshots from the Resawing Video
“BS-3 OTOWResawing Jig”

The resawing jig slides on and is clamped to the band saws work surface.

Adjust the distance between the jig and saw blade to the desired strip thickness.

Turn on saw and slide stock along the jig.



Finished cut.
In this example - 1 1/2 “ tall

Using this jig - strips as tall as 8” can be resawed.

Please note :
these screen shots are
for reference only.

Watch the complete video
“BS-3 OTOWResawing Jig”
by clicking here.
or visit the Education
Section of this website

Field Trip to local Specialty Wood Source By Susan Yenne

Art Shannon is the go-to man for OTOW Woodshop workers looking for beautiful woods for their projects.

Ten years ago, Pete Thomas was looking for wood on Craig's List and discovered Shannon's retirement project: buying, processing and selling wood.

At 74, Shannon does it all. Every four to six weeks, he hits the road in his giant pickup truck to buy \$3,000 to \$4,000 of wood from small sawmills and wood brokers from Florida to Ohio. Some of the wood needs his sawmill. Some wood needs drying in his kiln. Some wood needs planing or cutting. Eventually, it ends up in his selling barn – unless someone stops and buys it first.

He also gets wood from all the clear-cutting going on in the area since burning is no longer allowed, and going to the dump or chipping is expensive.



Art Shannon and Peter Thomas

The worst wood is a tree from someone's backyard. "It's \$30 for a new saw blade every time you hit a nail," he said.

His metal detector finds a lot of hidden objects but doesn't always discover the deep stuff. He once found a ball peen hammer in the middle of a long log, where the tree had grown up around it.

He once was a woodworker himself. He started making cabinets in Mississippi as a side gig to his regular job managing a Caterpillar Co. site. But he

couldn't make money competing with the new cheaper cabinets being mass produced. So he switched to gun cabinets, making and selling about 500 a year. Nowadays, he mostly sticks to processing the wood.

His main clients come from six regional retirement communities with woodshops. A lot of the wood goes to The Villages, which has a place where woodshop members can buy wood. OTOW woodshop members often make the trek to Shannon's business, Arthur's Wood, at 12110 SE County



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Field Trip

continued

Highway 484, in Belleview, about 45 minutes away.

It's best to call him before you go, 407-722-2746 – just in case he's on one of his roadtrips or has low inventory or you need a specific kind of wood.

His most popular woods are maple and walnut. A recent trip found Bolivian rosewood, Patagonia purple heart, oak, black locust, tiger wood,



sassafras, yellow heart, curly hickory, cherry, curly cherry, curly makore, African mahogany, zebra wood, curly birch, Bocati, rainbow

padauk, Australian lacewood, basswood, Chechen, canary wood, padauk, curly maple, bloodwood, Peruvian walnut, birdseye maple, ambrosia maple, erodo, curly European sycamore, butternut, hard maple and wenge.

"I'm a people person and love chatting up everyone," said Shannon, who spent most of his adult years as a heavy equipment salesman. However, if you talk with him for a bit, you realize he's dabbled in

most everything and can talk on every subject.

When he started 10 years ago, he never intended to get so big – a sawmill, a woodshop, a homemade kiln, a selling barn, a storage barn, a giant tractor for moving wood. And now he's debating with his wife, the accountant in the business, whether to buy a bigger saw.

"This is all something to just keep me going," Shannon said. He has no succession plans since his wife and daughter have no interest/ability to keep things going. "One day, we'll just close the doors and sell off everything."

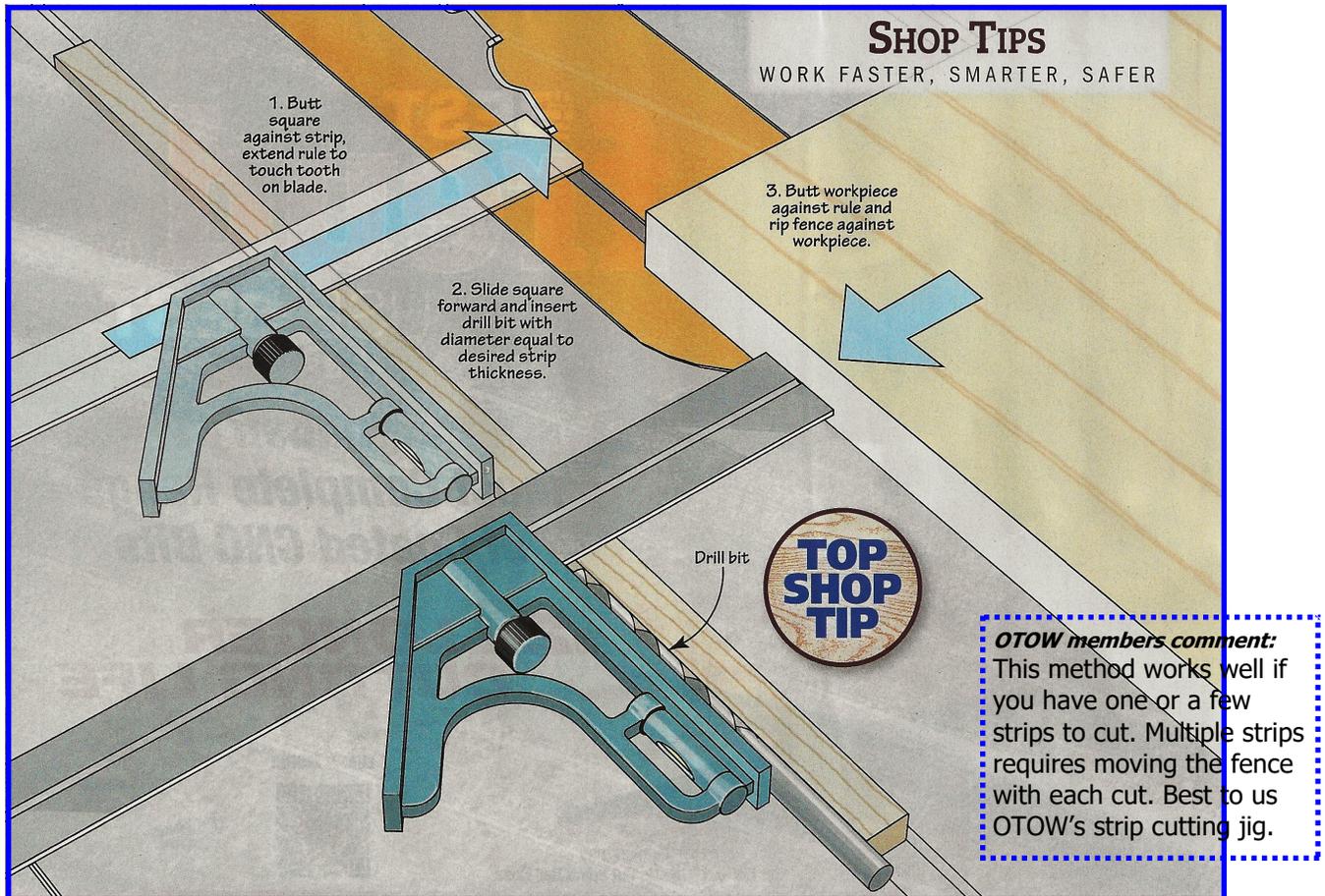


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Pictures/ed casper

Sounding Board:

Ripping thin strips—using drill bit (Tip submitted to Wood Magazine -Sept 2022)



Rip strips in steps with fewer setups

I've seen lots of techniques for ripping consistent, thin strips at the tablesaw. But by using a combination square and drill bits for saw setup, I can quickly and precisely cut strips of different thicknesses by simply varying the size of the bit.

After fitting a $\frac{3}{4} \times \frac{3}{4}$ " hardwood strip in the saw's miter slot, butt the head of a combination square against it, extend the rule to

touch a saw tooth, and lock it in place. Now, insert a drill bit that matches the desired strip thickness between the square and wood strip, as shown.

Finally, slide the rip fence over until the workpiece touches the rule and lock the fence. Remove the square and bit, then rip a strip. Repeat the process for subsequent strips.

—Bill Ibbotson, New Braunfels, Texas

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***Do you have suggestions/recommendations
you would like to share with others?***

If so:

Please use the "Contact Us" page of this website.



David Keitz
Education Chairman

Education

Welcome to all our new members and hello again to all our other responsible members.

Equipment Demos

Sign ups for seven equipment demonstration sessions have been placed in the Calendar on the website. Several members have signed up for various sessions but, at this writing, there is still room for more in all the sessions. They start August 9 and end August 30. Most of them include some hands-on activity and the price is right. . They are Tuesdays and Thursdays from 3:30 to about 5:30. Each session is a different topic.

Use the Calendar

Not sure about how to use the calendar? Go to our website, otowwoodshop.com, and watch the Woodshop Website Overview video in the Education section. You will get specifics on using the calendar and a familiarization with all the information available there.

Table Saw Orientation

We have excellent table saws in the shop and there are things that are not obvious about using them. You can sign up for one of the every other week orientation sessions on these saws on the calendar, also. Several experienced woodworkers have told me the session was worthwhile to them.

Turning Sessions

Planning is underway for the beginners turning sessions which should begin in early September. We are planning for two groups of four to meet once a week for 2 1/2 hours for 5 or 6 consecutive weeks (with a little homework in between). The sessions cover basic spindle and face turning skills. Something to consider as it does take significant time and effort to accomplish.

Be Confident

Finally, I want to take this opportunity to remind everyone to seek guidance on performing unfamiliar tasks in the shop. The videos on the website have proven helpful but are not always enough to make one comfortable with a new operation. If you are wanting to use some machine or make some kind of cut or other operation you are not sure of, call me (804 304 8683) and I will help you find some experienced member or information to improve your chances of being safe and successful. Just taking a whack at it can unexpectedly result in damage to your project, the machinery, or you.

I hope to see you in the shop!

Dave

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Lathe Sessions for Woodshop Members

Do you have an interest in learning woodturning?
If so, read the information below and decide if you would like to pursue it further.

Basic Lathe Sessions Information

This program is for people with little or no lathe experience. The program will provide a good start in this craft which has endless opportunities for creative, satisfying activity.

The program consists of a series of 5 or 6 weekly 3 hour sessions. There is also some 'homework' to be done between sessions. Missing one session can usually be made up but one should really try to attend all the sessions to be successful. Sessions will likely start in mid-September.

The participants are in two groups of four and each group meets once a week. Information is discussed as a group. Skills are demonstrated and then practiced by all the participants.

Four lathes are used concurrently and there is a leader with each participant to coach during the practice times. Participants are encouraged to practice on their own or with



a leader if one is available between sessions. Tools are provided. Participants should not purchase any tools before the starting the sessions.

The participants will learn a comprehensive set of turning basics and will make a simple spindle turned piece and a simple face turned bowl.

There is no cost for attending the sessions. There will be costs of about \$15 for materials.

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While no great strength or dexterity is needed, participants should be able to stand for an hour at a time, grip tools reasonably easily and have some arm and shoulder strength. In general, people are surprised by how mental the work is and how easy it is physically. If you are not sure if you are OK physically, call me and I will try to advise you.

If you are interested, go to the website OTOWWOODSHOP.COM and sign up on the calendar for the Lathe Sessions Meeting scheduled for August 25 at 3pm. The meeting will be in the hobby building meeting room, next door to the woodshop. Questions will be answered and the process to become a participant explained.



Check out the woodshops current scheduled **Learning Sessions** Sessions are listed on the "**Calendar**" page of the Woodshop website.



Featured project

By Ed Casper

Several months ago I posted the following article on facebook.

Lessons Learned:

Several weeks ago my wife created a few paintings for our guest bedroom, I suggested we frame them and she agreed. I had never made picture frames - all I knew was that frames for canvas were different than regular picture frames.

I did some research and found a couple of different options and settled on one to use. The frames were to be painted white.

Off to Lowe's to buy the necessary material for a prototype - then off to the woodshop to cut the material to size and I even rounded the exposed edges using the router. Back home - to assemble, prime and finish paint. The finished frame looked pretty good.

OK! The prototype worked - now ready for production to build five more.

Off to Lowe's to buy enough material for 5 more frames. At Lowe's I noticed that I could buy similar already primed material. What a deal, I could save a step in my building process. (I found out later that the material was not primed it was actually "coated" with a thin layer of "stuff".)

Off to the shop - using the chop saw I cut all the pieces to the necessary length - then off to the router to round off the edges. Five frames, four sides and route two edges equal 40 passes on the router. Routing 40 edges coated with a layer of "stuff" created an unexpected amount of dust and the router table vacuum did not want any part of it. Soooooo the dust ended up everywhere - it took me longer to clean-up the dust in the shop than my project had taken.

Lessons Learned:

Material sold as "primed" is really not primed - it is "coated".

If I ever buy "primed" material again I will not route any edges.

Masking-up for some shop tasks is very important.

Don't substitute project material "on the fly" without careful consideration.

Regardless of the project - it seems there are always lessons to be learned.

Hopefully they benefit future projects.

Despite it all - the finished frames look pretty good.

That really is what it is all about!

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Since posting this article my wife has painted additional canvases and
I have made additional frames.

I share the process I use with the following detail:

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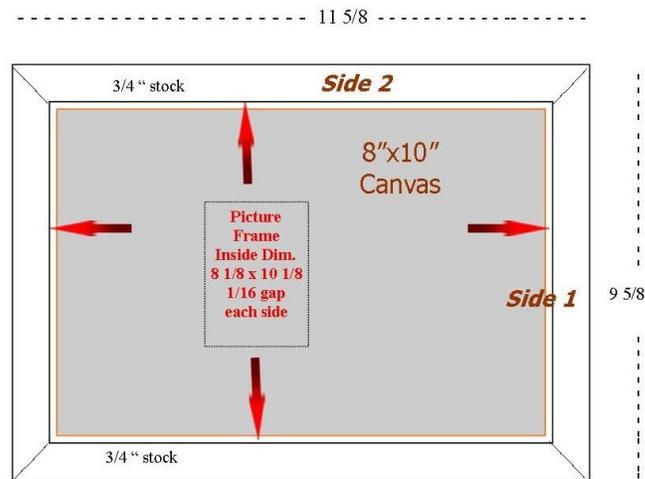
Featured project continued

Frames for stretched back/stapled canvases are constructed differently than traditional frames. The canvas is placed into the frame as opposed to placing the frame over the canvas. Since the canvas is placed into the frame another variable to consider is how deep into the frame the canvas is placed. The depth determines whether the canvas is recessed or protrudes. I believe the technical term is called the "reveal".

OK, enough background – lets discuss the building process.

Artist canvases are available in many sizes, ie 5x7, 8x10, 12x16,18x24 etc. Since the canvas drops into the frame the frame needs to be slightly larger than the canvas. A 1/16" gap between the canvas and the frame provides a snug and pleasant appearance.

Example of framing a 8X10 canvas with 3/4 " thick material and 1/16 " gap between canvas and frame.



Calculate Side Lengths:

The length of **side 1** = $(8 + 3/4 + 3/4 + 1/16 + 1/16) = 9 \ 5/8$ "
with 45 degree cut on each end

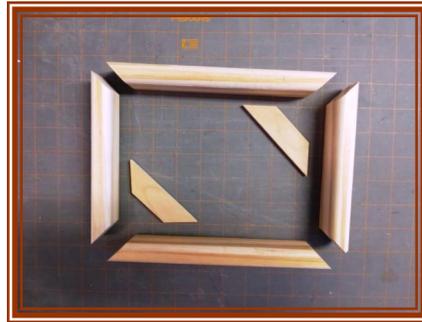
The length of **side 2** = $(10 + 3/4 + 3/4 + 1/16 + 1/16) = 11 \ 5/8$ "
with 45 degree cut on each end

For 3/4" stock the same formula is used for any size canvas - just substitute the **new** canvas size.

Four sides with 45 degree cuts on each end. You may even want to round over the edges of the side material before cutting. Glue together and you have a box to place the canvas in. OK so far but, what holds the canvas in place?

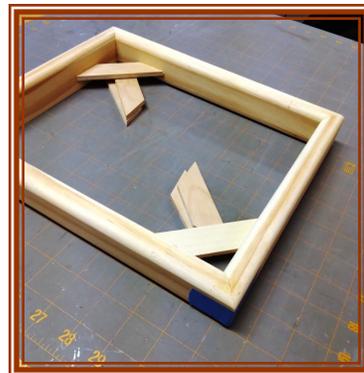
Featured project continued

To hold the canvas in place “corner brackets” are attached to the frame. The brackets are cut from 1/8 “ plywood and approximately 3” in length. The length is not critical—just need to be long enough to work with. The brackets are glued to the frame.



Using spare brackets as spacers you can raise the bracket position in 1/8 “ increments from the base—therefore, changing the amount of reveal in the process.

Once you determine the amount of reveal go ahead and glue the support brackets in place. Actually, you can glue the brackets in place when you glue the four sides together.



Featured project continued

Back of finished frame.

Canvas attached with screws and hanger attached to the frame.

Of course you will want to finish (stain/paint) the frame before mounting.



Sample of Completed Frames

I'm pleased with the finished products but, most important my wife is pleased!

Oh! One more thing :
I no longer round over the corners of "coated material".



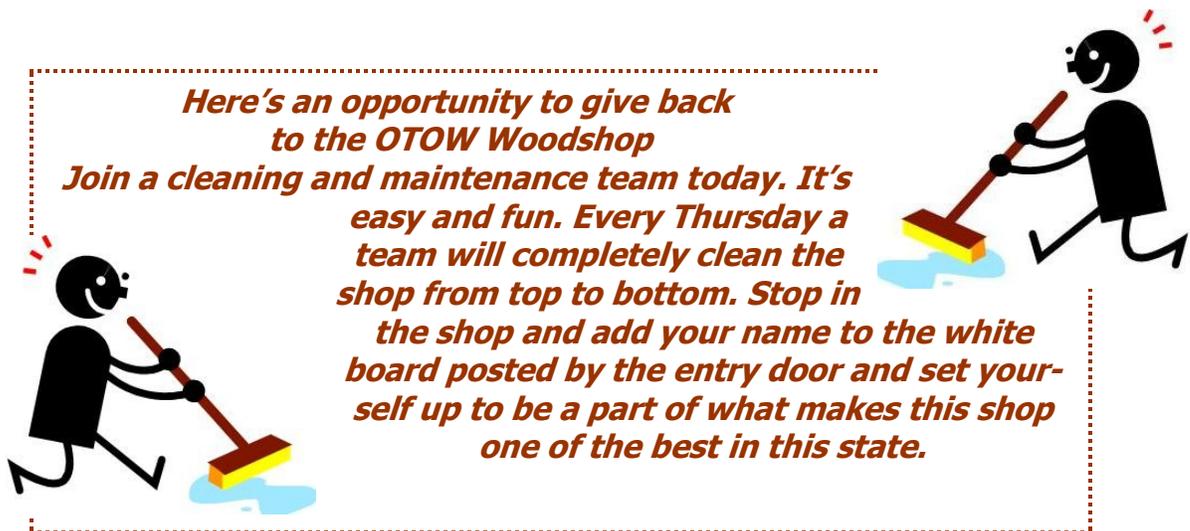
***For more information
about the shop***

*Check out the rest
of the website.*

*questions/comments/
suggested topics/ projects etc
send them to us via the
"Contact Us"
page of this website*

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(Important—Please include your phone number along with your name)

The illustration shows two black stick figures with red exclamation marks above their heads, indicating they are working hard. They are using yellow sponges on long wooden handles to clean a light blue floor. The scene is enclosed in a dashed brown border.

***Here's an opportunity to give back
to the OTOW Woodshop
Join a cleaning and maintenance team today. It's
easy and fun. Every Thursday a
team will completely clean the
shop from top to bottom. Stop in
the shop and add your name to the white
board posted by the entry door and set your-
self up to be a part of what makes this shop
one of the best in this state.***