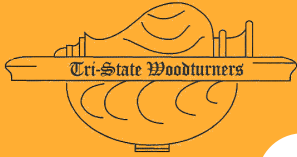


TRI-STATE WOODTURNERS



Meeting Location:
8361A Dayton Pike
Soddy Daisy TN
(Horsin' Around fac.)

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Cuts and Scrapes

WWW.TRISTATEWOODTURNERS.COM

FEBRUARY 2019 NEWSLETTER

Tommie Hartline

Feb. Demonstrator

Tommie Hartline from Atalla, Alabama is married to Donna Hartline and they have two sons and four granddaughters. He works at Gadsden State Community College where he serves as the Division Chair for Engineering Technologies and teaches Electronics.

He has been turning for about 11 years and was a founding member of the North Alabama Woodturners. He also is a member of the Alabama Woodturners Association, the Northwest Georgia Woodturners and the American Association of Woodturners. Some of the things he has turned are bowls, hollow forms and boxes, but his favorite things to turn are Christmas ornaments. He turns several styles including inside-out and segmented.

He has turned with Jimmy Clewes, John Jordan, Michael Mocho, Joe Ruminski, Rudy Lopez, Don Russel, Kimberly Winkle, Mark StLeger and many local turners. He is always looking to learn something new.



Tri-State Woodturners an
official chapter of AAW



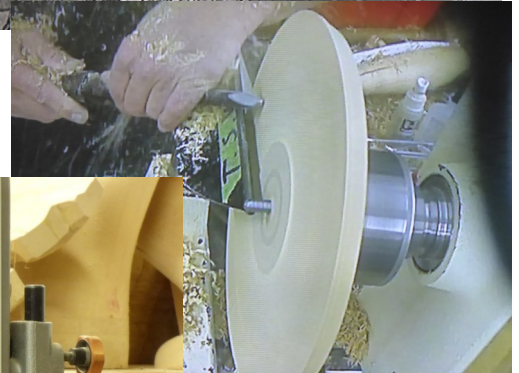
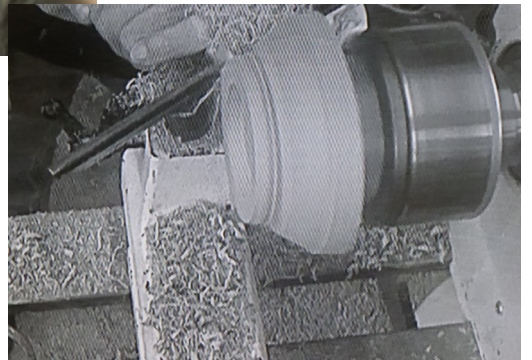
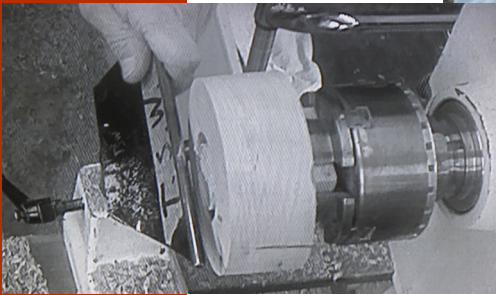
Tommie will be the featured demonstrator at the Tri-State Woodturners meeting this coming Saturday, Feb. 16th 1:00 p.m. at Horsin' Around. He will be demonstrating how to turn a Femi-sphere which is from the family of shapes called Steppedhedrons. That's the technical name for what many call an odd wobbler.



Jan. Demo Split Shelves



In January John Lucas demonstrated how to make identical split shelves or sconces.



These pictures may remind those who attended what he did. Page 14 is a description you may use to make a set yourself.



President's Corner

Wow, 16 more beads of courage (BOC) boxes submitted in January! A special thanks to those of you that participate in this service project. A BOC box or bag is a treasured gift for a child suffering with a chronic disease. In addition to the BOC program, don't forget about our other service projects which include pens for troops and Christmas ornaments for the Chattanooga Area Food Bank. I encourage each of us to participate in one or all of these projects.

an organization called 'Project Healing Waters'. This project will involve sawdust sessions with veterans to let them experience woodturning and teach them some of the basics. I want to thank Jerry Triplett for making me aware of this opportunity. Jerry is a volunteer for Project Healing Waters.

Finally, I want to make you aware of a change we are making to the monthly President's challenge. Starting with the March meeting, club members will have a choice of submitting the identified project for the month or submitted an item highlighting the technique demonstrated at the previous months meeting. More about this at our next meeting.

Last month, I mentioned a new service project involving the use of woodturning as a form of therapy for veterans. We are continuing down that path and have made contact with

TSW CLUB OFFICERS

Jim Dvorak President(423)
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John Dekle Secretary/Newsltr Editor
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(423) 240-4386 djspohn@epbf.com

Ed Lewis New Member Mentor
(423) 344-7295 EdLewis3267@gmail.com

The above officers are also official
Tri-state Woodturner Mentors



Ed Lewis has graciously opened his shop on Saturday mornings to help newbies. Currently he has 4 enthusiastic students. Ed is not only skilled as a turner but an excellent teacher. Many TSW members have gained valuable lessons from him over the years to where they are now very proficient. Call Ed at (423) 344-7295 or talk with him at the TSW meeting Sat. This is an official function of TSW.

NEW MEMBER MENTOR: Are you new to wood turning or at least have an interest in it? TSW club is providing opportunity for you to learn from an expert turner who has provided instruction and guidance to many in the club and others. Ed Lewis opens his workshop on Saturdays and would love to help you. Contact him at (423) 344-7295. There is no fee for this instruction from an excellent turner & teacher.

The following sponsors give generously to Tri-State Woodturners and we want to encourage members to support them generously



5824 Brainerd Rd., Chatt. TN 373411 + (423) 710-8001



CRAFT SUPPLIES USA
THE WOODTURNERS CATALOG

www.woodturnerscatalog.com +(800)551-8876

Treasurer's Report



The Web

Starting Balance	5,684.56
Income:	875.00
Expenses:	-1,263.62
Facility & insurance	210.00
Gift certificates	750.00
Library renewal	153.62
Jan. Demonstrators	150.00
Ending Balance	5,295.94

The January 2019 *Cuts and Scrapes* featured web sites on making a femisphere. The demonstrator this month suggests the following web site for instructions on making a femisphere which he will be demonstrating.

<https://www.geigersolutions.com/upload/1210113%20Odd%20Wobbler%20Instructions%20Web%20version.pdf>

For segmented turning, I found Stephen Ogle's YouTube video is a good explanation on how to design and create an item.

<https://video.search.yahoo.com/search/video?fr=yfp-t&p=stephen+ogle+segmented+vase#id=1&vid=72645c5ec7b96b4eab5fb128624e02e3&action=click>



Raleigh 2019

AAW | AMERICAN ASSOCIATION OF WOODTURNERS



There is a place for you in Raleigh, NC, July 11-14, 2019. Learn more.
<https://www.woodturner.org/general/custom.asp?page=2019RaleighMain>

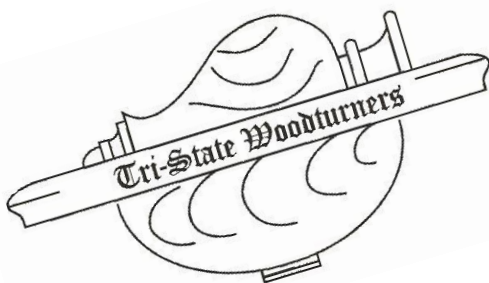
2019 TSW Club Challenges

<p>January Weed Pot—7 submitted</p> <p>February Ring Box/Holder</p> <p>March Segmented Pencil Cup (at least 24 pieces)</p> <p>April Desk Set</p> <p>May Compote</p> <p>June Door Stop</p>	<p>July Made 100% with a Skew</p> <p>August Threaded Item</p> <p>September Toy (not top)</p> <p>October Mortar and Pestle</p> <p>November Triplet (3 identical items)</p> <p>December Silent Auction Item</p>
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“Finding and collecting wood can be almost as much fun as getting more tools. But, you'll always want to be mindful of the risks of toxicity and sensitivity. Take appropriate precautions to protect yourself and decrease your exposure to wood dust and resins before any negative health effects develop. Proper ventilation, efficient dust collection intake at the lathe and other dust sources, a high air flow volume dust removal system including particle filtration, a full-face shield, and a smock can help. Any exposed skin can still be susceptible to irritation and allergic reactions. This week's article picks are intended to remind you of wood toxicity and sensitivity.”

One of the advantages of being an AAW member is the regular emails with articles and videos. This reminder came recently and is a great reminder of being conscience of the dangers posed by the toxicity of certain woods.



Many hours and work go into providing excellent demonstrations every month. It costs money to provide quality demonstrators so the club relies on members to pay their dues of \$40. per year. We also have to pay rent on the facility and insurance so please help out by paying your fair share. There is a membership form (last page of this letter). Fill it out and give it to Charles Jennings at the meeting Sat. An added incentive the first 8 to pay on Sat. will receive a DVD with pictures of projects made last year and the monthly demonstrators.

**YOU ARE
ENCOURAGED TO
JOIN AAW
IT WILL BENEFIT
YOU IN MANY
WAYS**

<https://www.woodturner.org/page/MemberBenefits>

Project Notes

Page 11 is a step by step set of instructions on how to *Create a Segmented Pencil Cup*, the Club Challenge for next month (March). These notes have been written especially for club members that may not have done a segmented piece before. While John Dekle has done three of these now he is very open to others creating step by step instructions for future Club Challenges. If you would like to do one try to keep the notes and pictures to 3 pages and let John know you would like to do it in advance. Talk with him at the meeting or call him at 423-508-8051 or 423-364-1268. Notes are due at least one full week before the previous month's meeting.

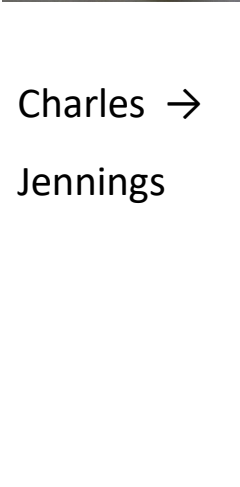
Jan. Club Challenge - Weed Pot



John Dekle ↑
← Art Parry



Les Isbell ↑
← Don Douglas
Chris Douglas ↓



Charles →
Jennings



Johnny Renfro →



Jan. Donation Projects



Pens for Troops

← Les Isbell

John Dekle →



Beads of Courage Boxes

By Don Moore



Jan. Donation Projects



Top 3 Beads of Courage Boxes by Charles Jennings

Middle boxes were a collaborative effort by Jerry Bowman and Charles Jennings



Bottom 2 boxes by Jerry Bowman



Show, Tell & Learn - Instant Gallery



Chris Douglas ↑



↑ Charles Jennings ↑



← John Lucas ↓



← Don Douglas ↓



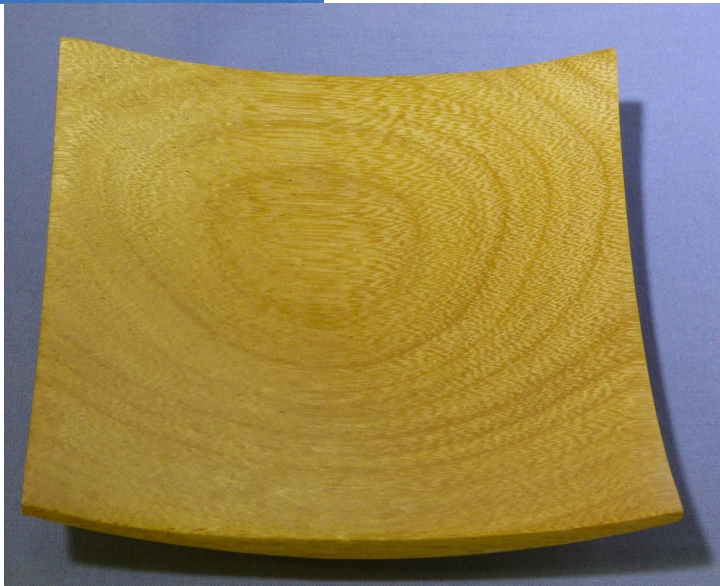
Show, Tell & Learn - Instant Gallery



Pepper
Grinder &
Jewelry
Created by
John Dekle



Your piece could be shown here if you had brought it in.



Square Memosa Bowl Les Isbell ↑

Dogwood Bowl Larry Skaggs →



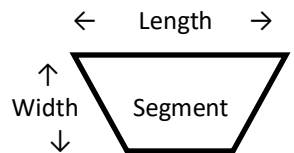
Project— Creating a Segmented Pencil Cup

With at least 24 pieces by John Dekle

These notes will be very simplistic for a process that can be very complicated and intricate. This is NOT a comprehensive description of segmented turning but will provide enough basics by which almost anyone in the club can follow and make the March Club Challenge of a “Segmented Pencil Cup” with at least 24 pieces. This could be a launching pad for more complex segmented turning in the future. The edges of the pencil cup are basically straight so the pieces do not have to be different widths. The thickness of the pieces have to be sufficient to make the height of object you want to turn. On this project the thickness of the wood layers, from the top, layer #1, #3 and #4 started at $\frac{3}{8}$ ". Layer #2 were several pieces laminated together making that layer $1\frac{1}{2}$ " high. The base #4 is a solid piece of Persimmon. Layer #1 is Walnut and layer #3 is Maple. Layer #2 is a laminated piece with 6 layers counting the Walnut veneer Fig. #1. From left to right, Walnut, Oak, African Mahogany, veneer, Oak, Maple. The finished cup should be around 3.25-3.75" wide and 4-4.5" high. To add variety on ring 2 the pieces are rotated with a Walnut on top and the next segment on the bottom.

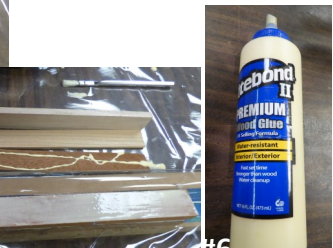
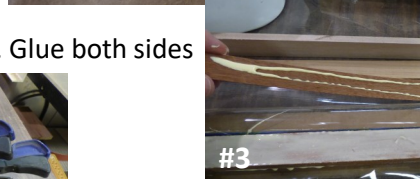


Finished cup



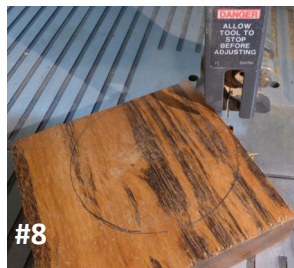
Step 1

Select, organize and glue together the pieces for the feature ring, layer #2. Each piece needs to be 14" long and $\frac{3}{4}$ " wide. Together they need to be about 1.5-1.75" thick. Glue both sides of each piece #3. I wrapped the glued pieces in plastic but you could use newspaper to protect clamps #4. Clamp glued pieces together and let them dry overnight #5. I used Tightbond II® #6 and always have water available and a rag to wipe up excess glue #7. 2 boards $\frac{3}{4}$ " could be used but will not be as prominent for the feature ring. An acid brush works well for spreading the glue.



Step 2

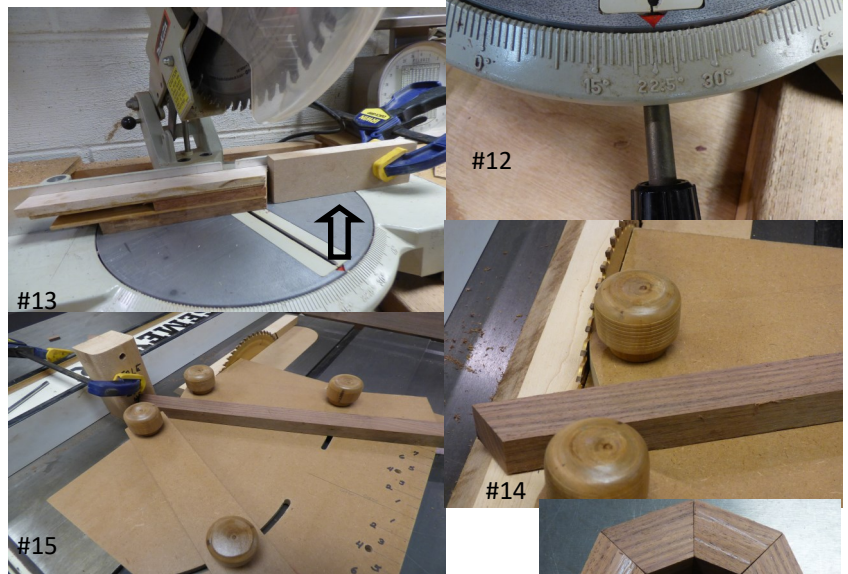
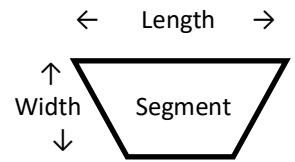
The base was cut on a band saw (could be turned) from a single solid piece of wood #8. A 2.25" hole was drilled in the bottom of the base piece as a mortise for a 4 jaw chuck in expansion mode #9. An alternative is to glue the base to a glue block, that would be mounted to a 4 jaw chuck or face plate. Then the base was mounted on the lathe and turned round #10. The face was sanded flat to accept the segmented ring to be glued to it. While on the lathe sandpaper on a board is a good way to insure a good flat surface.



Project— Creating a Segmented Pencil Cup

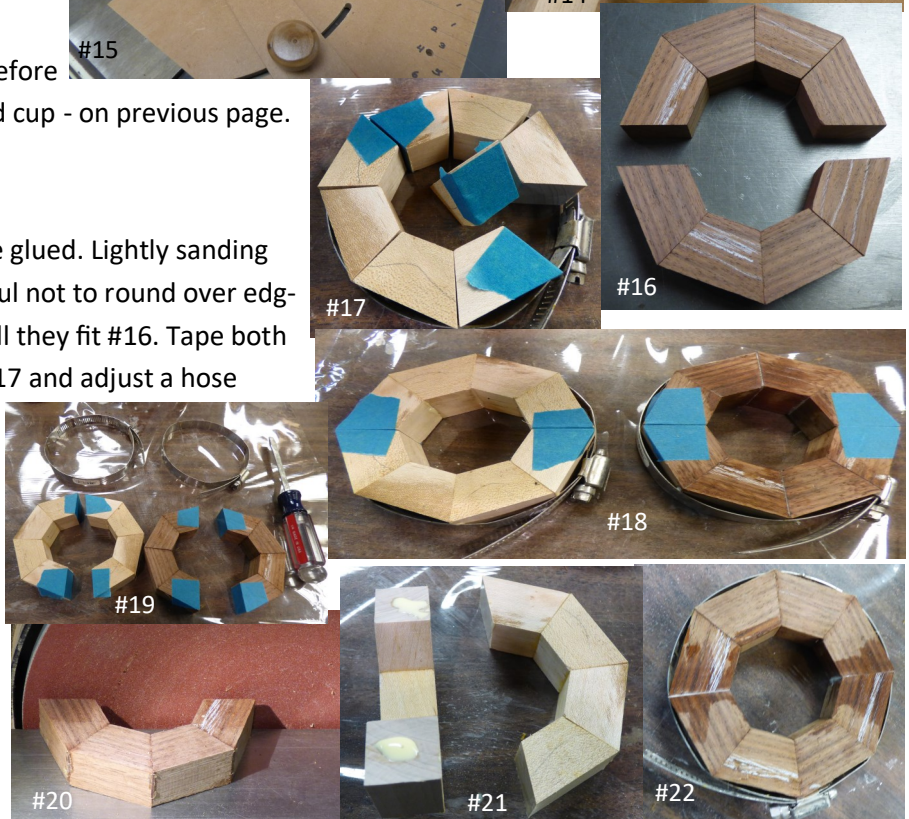
Step 3

The segmented rings (layer 1 and 3) can be made next. There are formulas to figure the size (length & width) of each segment in order to arrive at a predetermined circumference, but to keep this simple we will be cutting 8 segments for each ring. A circle is 360 degrees so divide that by the number of segments. Each segment is cut twice so divide by two. $360 \div 8 = 45 \div 2 = 22.5$ —this means each segment needs to be cut 22.5 degrees. The length needs to be 1.5". I used a piece of lumber that was about $\frac{3}{8}$ " thick so I ripped the board into a $\frac{1}{8}$ " strip. The total length needs to be 12-14" long in order to get the 8 pieces needed for per ring. Your segments need to be 1.5" long. It is **critical** your cuts are accurate. If you are a quarter of a degree off for 16 cuts your circle will be 364 degrees and won't match up. A helpful solution will be offered below to help make some adjustment. Probably the easiest way to cut your segments will be with a chop saw. Mine even has a stop at 22.5 degrees #12. Use a stop block to keep all segments the same length #13. **BE SURE TO ALLOW THE BLADE TO COME TO A COMPLETE STOP BEFORE LIFTING IT!** The other option for cutting the segments is a table saw. If you go to <http://segeasy.com/segeasy.htm> they have a video on how to make a sled for your table saw for cutting accurate segments. #14-15 sample of what I used for layer 1 and 3. A radial arm saw could also be used. Layer #2 was too high for the sled so I cut those with a chop saw. If you want to keep the grain consistent you can mark one side of the wood before cutting. A sample can be seen on the finished cup - on previous page.



Step 4

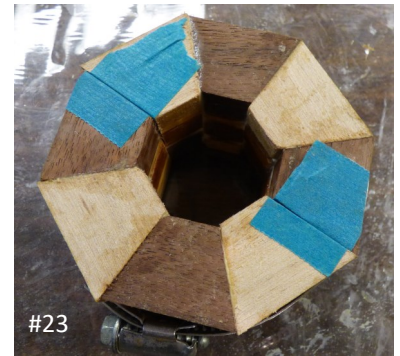
The 8 segments of the layer rings need to be glued. Lightly sanding can remove any burrs on segments. Be careful not to round over edges. Fit the segments together to see how well they fit #16. Tape both sides of the half way mark around the ring #17 and adjust a hose clamp to fit around the ring. If you do not have hose clamps use rubber bands. Glue both sides of each segment except the tapped half way mark #18. After the glue dries, remove the clamp and tape #19. Sand the halves on a dis sander #20. Glue the Half way marks #21 and clamp the circle again #22. Clean any excess glue and let it dry. Once it is dry move on to the next steps.



Project— Creating a Segmented Pencil Cup

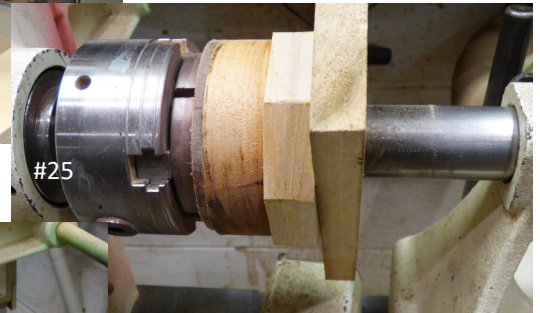
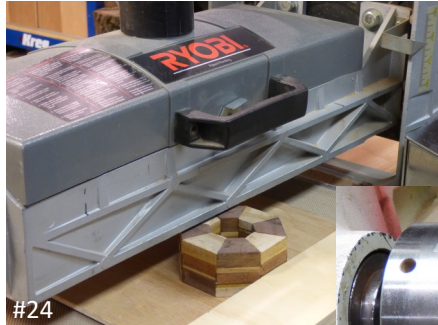
Step 5

After the glue dries on the laminated pieces for the feature ring, layer #2, proceed to cut it into 8 segments and glue them together as was done with the other rings (Step 3 & 4) #23.



Steps 6

Rings need to be sanded smooth and flat before gluing them together. There are a couple good ways to sand the rings. When on the lathe sandpaper on a board is a helpful way to make sure the ring is flat see fig. 11, bottom of page 11. Before gluing the ring to another ring it can be sanded on a drum sander #24.



Step 7

The layers need to be glued together and allowed to completely dry before turning #25. A layer can be put in place making sure it is centered then apply pressure with the tailstock applied to a board #25. Once dry that layer can be turned and sanded #26-27. Another way to center and align a ring when gluing is by using a large cone type tailstock #28. When stacking layers be sure to use a brick pattern where seams are staggered #29.



Step 8

Once all the rings are secured, turned and sanded it is time to finish the project with the finish of choice #30. I used Walnut Oil. The bottom can be finished on a jam chuck in which the cup will fit #31. Turn or sand the bottom and apply finish. I applied felt on the bottom to prevent scratching a desk top #32.



Finished Pencil Cup

Notes from the Demonstrator in Jan.

Split turned shelves

By John Lucas

Wood needed 2-3"x14" x 1 1/2" for column. 2-2 1/2"x 5" x 1 1/2" for middle
2- 4x12x3/4" and 1 4x12x3/4" scrap wood.

Turning the center section

Start with the middle section that is 5x5. Glue on waste block.

Turn 2" rebate for chuck.

Drill a hole larger than your drive center

Turn the outside to shape

Reverse turn using the rebate- flatten the top

Turning the long column

Center drill so drive and tail center pins won't split column

Mount between centers using a 4 prong drive center and cupped live center

Turn the dovetail checking the fit frequently

Turn the rest of the spindle leaving a small tenon at the bottom

Cut off the tenon by hand.

Turning the top

Drill for screw center

Flatten the bottom and then turn the profile on the edge

Remove and reverse and flatten the top side

Cut apart on the bandsaw

Use a hand plane to clean off paper

Finishing

Clean off paper using White vinegar and card scraper or paint the back

Apply finish and buff all parts

Drill 3 holes to screw middle to the top.

Apply thick epoxy and glue the bottom column to the middle

Screw in flush mount hardware

Hang on the wall trying not to drill too many holes in the drywall.



In the January meeting John Lucas mentioned Christmas ornaments he has made and this is a picture of some of them to give an idea of what he was talking about.

Tri-State Woodturners Membership Form

PLEASE print or write legibly and complete each area - Thank you!

Name: _____

Address: _____

Email: _____

Phone 1: _____ Phone 2:(cell) _____

Member's website (if you have one): _____

May the above info be placed in the club directory on line? (check one) Yes No

Would you consider yourself a: Novice Intermediate Advanced woodturner

Year you started turning: _____ Would you be a mentor? _____

Type of lathe(s) you own and use: _____

Year you first joined TSW: _____ Are you currently an AAW member?: Yes No

.....
do not write below this line

Dues paid	date:	Amt:	date form updated
-----------	-------	------	-------------------