

# Southwest Idaho Woodturners Association

The Treasure Valley Woodturner's club  
Meets monthly on the 2nd Tuesday at 6:30 PM  
At the Woodcraft store in Boise ID.  
7005 W. Overland Rd  
Boise ID.



<http://www.swiwt.org>

September 2022

## Club Officers

**President:** Susan McCoy  
**Vice President:** Scott Taylor  
**Sec/Treasurer:** Tom Turco  
**Advisory Board Members:**  
Annette Cavalieri  
Connis Wilson  
Sid Bright  
Pat White  
Ralph Cavalieri

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# Demonstration



Two local elves (aka Wayne Rexford and Sid Bright) show inside out ornaments tricks



Sid's 6-sided ornament with integrated top and finial



Wayne's four-sided ornament with separate finial and top



How Sid glues up his units. Wood is cut at 60 Degree angle. Note how each unit is numbered so that he can put it back together when he turns it around to do the outside. Sid noted that you need to be careful when turning because the edges are very sharp and also can chip off.

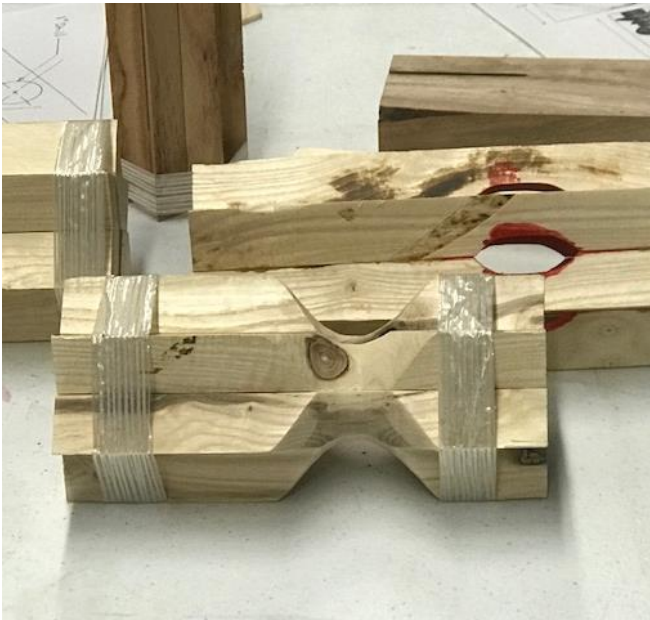


In this second shot Sid is pointing out the sharp corners and you can also see that he uses strapping tape to hold the unit together as he turns the inside. Wayne noted that on his units he makes a mark for where he wishes to turn the inside.

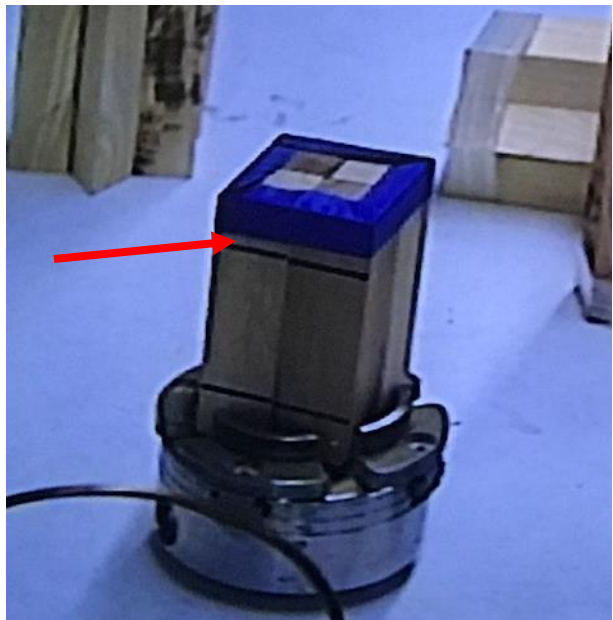




When Sid is ready to turn the outside he puts a tenon on the unit. Up until this time he is turning between centers. Note that he has already finished and colored the inside before he glued it up. You can see from the amount of material on the bottom that he has room to provide the finial and can also turn the top of the unit.



Sid's inside turned and ready to be reversed for turning the outside



Wayne holds his in a chuck. Note the mark on the piece to for him to identify the maximum cut for the inside.



On the left you see Wayne's unit inside finished. On the right you see how he has turned the inside before gluing it up to turn the outside

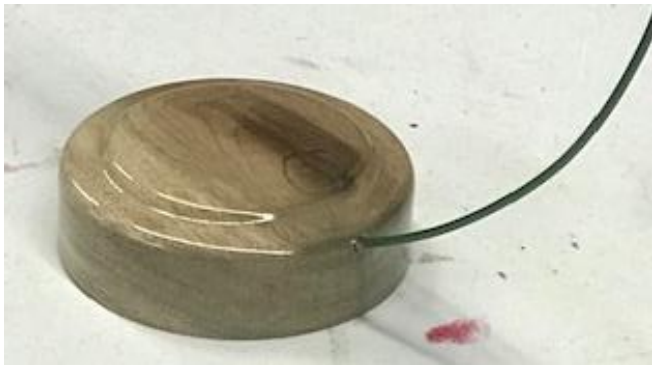


Wayne states that before you glue the parts up you need to sand them flat for there are no gaps. Then drill a  $\frac{1}{4}$  inch hole  $\frac{3}{8}$  inch deep in the exact center.

On the right you can see what the hole is for. Also notice what happens with alignment when you do not sand flat. The edges do not match exactly.

Compare the match with the one on the left.





How to mount the ornament. Sid uses wire and comes from the side making sure that the ornament is centered on the base.



How to mount the ornament. Wayne uses wire and comes top toward the back of the stand also making sure that the ornament is centered on the base.



Two other types of ornaments shown by Wayne. The one on the left is a hollow ornament and the one on the right is a modified John Lee design. Details are shown below on how to make these two ornaments.





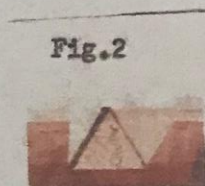
The local elf trainees watching the master elves demonstrate making ornaments

## Six Sided Inside-out Ornaments



- These ornaments start out from a block or plank of wood. The first thing to start, is to set up a saw to cut 60 degree angles. This setup is very crucial to be precisely accurate. Figure 1 shows the angles cut to show the diamond shape needed for the ornament. Fig 3 shows the diamond shape after completion of cut.

Next you will need to cut Six blocks of equal length and begin to assemble them, diamond points together. Its helpful to have hose clamps or rubber bands to assist in assembly.(no glue) Pictured in Fig. 4 is a blank ready for turning. (For safety reasons I use strapping tape on the ends to secure the ends of the blank). I also recommend using safety drive center and oneway live center. This helps keep the turning from splitting apart.



*on inside  
cut, never  
cut more  
than 3/4's  
through*



Next turn the inside and go no more than 3/4 of the diamond in depth. After

Turning the inside cut the assembly apart. Then reverse the diamonds ( with the turn part in-word and glue them up for outside turning. Again hose clamps or rubber bands help in the glue up.

In Fig.2 there is a black line on one edge of the diamond. This line is caused,

When sawing the diamond didn't come true. I have encountered this often and found that running it back through the saw corrects the shape.



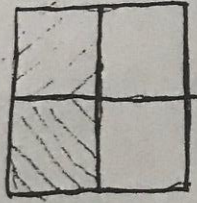
## INSIDE OUT/REVERSE TURNING CHRISTMAS ORNAMENT

1. RQD. 4 pieces---- 1" x 1" x 4". These pieces should be as square and the same size as possible. Rift grain on the ends or 45 degrees to the sides is preferred.
2. Using masking tape, tape both ends 3/8" onto the sides and fold the remainder down on the ends. 2 wraps are enough.
3. Use cup center with center point in tail stock and 4 jaw chuck on head stock.
4. Find exact center on TS end and set cup center into end grain with rubber mallet.
5. Mount into chuck loosely and bring up TS and align cup center into mark. Tighten chuck with corners between jaws.
6. Mark a pencil line 3/4" from the ends and parallel with the ends. Need only to mark 1 face.
7. Between lines cove down to diameter of 3/4". Use a spindle gouge and ride the bevel. Need a smooth curve from both sides. Lines in step 6 determine start of cove.
8. Sand. Be very careful of square corners that remain. Long strips of paper work best to keep fingers away. Sand to 320 grit.
9. Finish—use your favorite method.
10. Remove tape and reverse pieces. Use the end with the cup center end marks to help reference. Very lightly sand adjacent sides to allow gluing of 2 pairs.
11. Glue pairs. Align inside faces.
12. Very lightly sand faces of glued pairs and glue together. Align intersection.
13. Use chop or table saw to trim ends flat. Remove very little material.
14. Drill 1/4" dia. hole 3/8" deep on both ends. Exact center is a must.
15. Remove 4 jaw chuck and install drill chuck with drive center in HS.
16. Remove cup center in TS and install cone center.

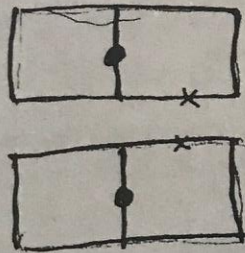


17. Mount reverse glued block onto lathe. Lightly tap drive center into block.
18. Turn outside profile. Turn both ends down to  $\frac{1}{2}$ " -  $\frac{5}{8}$ ". Using gentle, light cuts. Ride bevel. Turn down to  $\frac{1}{8}$ " thick.
19. Sand. These edges and very sharp. Keep hands away. Use long strips. Turn off lathe and blunt knife-edges. If corners don't align, sand until they do. Sand to 320 grit. Use a SKEW to under cut both ends and to allow for a tight fit to the finals.
20. Finish. Use you favorite method. Apply finish with lathe off. Use long cloth to burnish and polish with lathe running.
21. *Change jaws on chuck to smaller set*  
Remove drill chuck and install 4-blade live center in HS.
22. Mount a piece of contrasting color wood to turn finals. A  $\frac{1}{4}$ " tenon by  $\frac{1}{4}$ " long will be required on each piece. The first bead should be larger than the end of the reverse turned piece. After that the design is up to you as is the finishing.
23. Glue finals into place and use your method for hanging

POINT 1

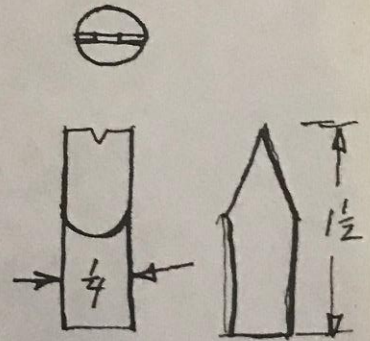


POINTS 10, 11, 12

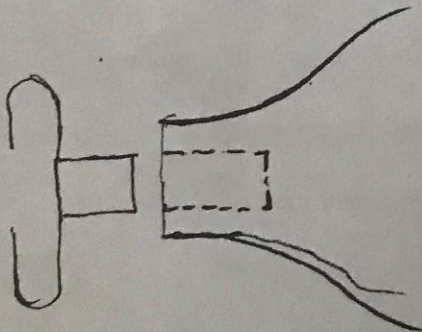


• Adjacent edges  
x Inside Pairs

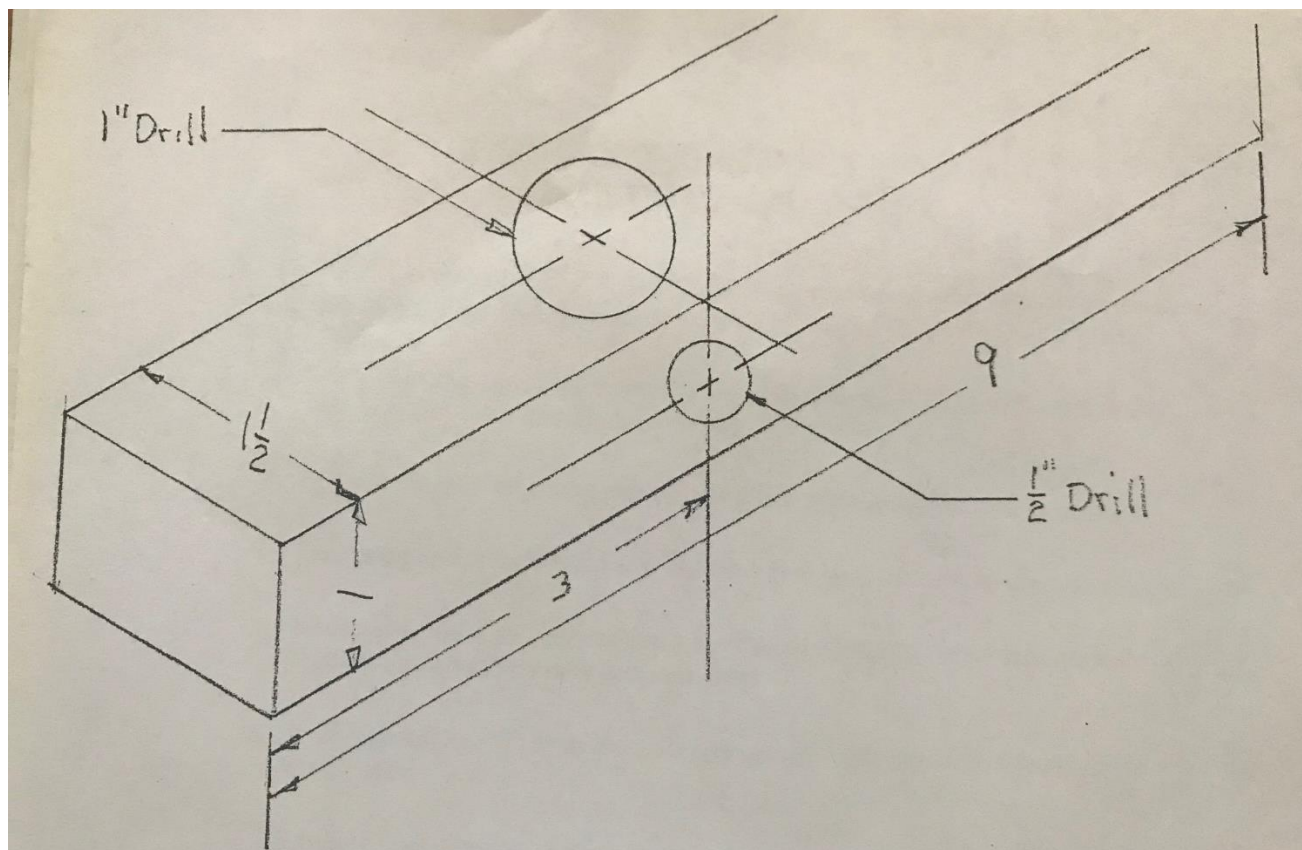
POINT 15



POINT 22







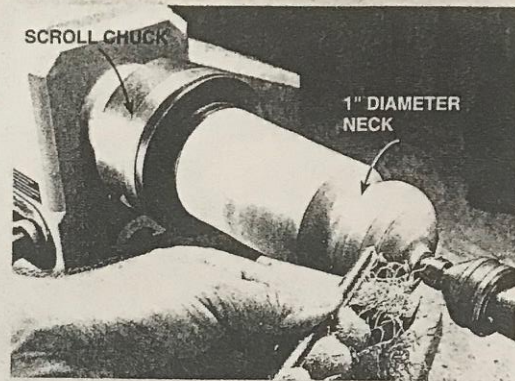
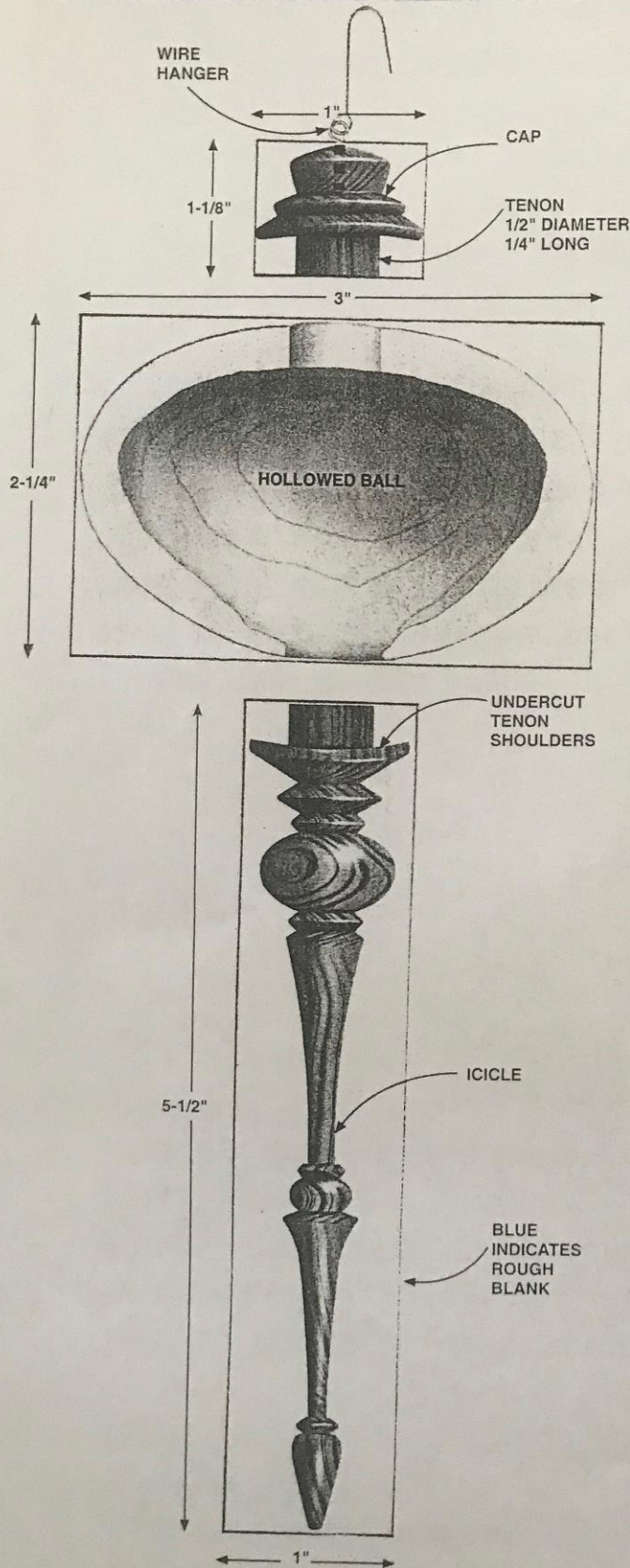
### John Lee's Spindle Christmas Ornament or Modified top Handle Rexford Version

1. Layout center lines 3" from one end of the 1" X 1 1/2" X 9" closed density hard wood
2. Find exact centers both ends and center punch each
3. Use drill press to drill the 1/2" hole first. Forstner bit is good.
4. Use drill press to drill the 1" hole second. Forstner bit is good.
5. Mount in lathe using spur center and revolving center at the tail stock. Mount short end toward head stock
6. Begin turning around the 1" hole a little at a time to mirror the shadow of the hole as it turns.
7. When down to approximately 1" turn down both ends of the finials to their ends.
8. Remount in a scroll chuck with pin jaws and complete finials to your style.
9. Part of long end of finial with skew and then go to short end and complete and part off that end. Sand and finish before complete part off.
10. Hang with eye screw or drill small hole for fishing leader.

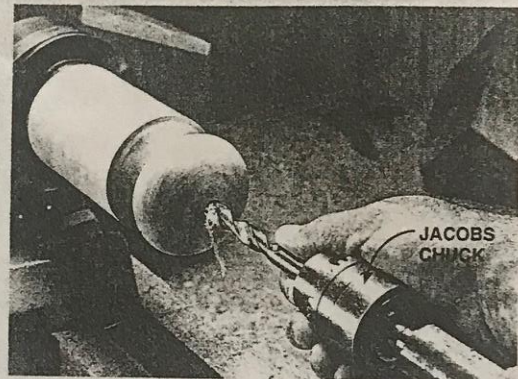


# Woodturning

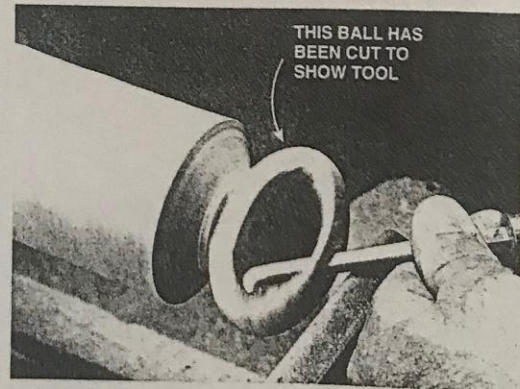
**FIG.A Ornament Cross-Section** drawn to scale



**2** Shape the ball into a compressed sphere. Turn the neck to a 1-in. diameter. Stop the lathe and pull back the tailstock in order to clean up the end of the ball. A good chuck will securely hold the work without the support of the tailstock, but make light cuts.



**3** Bore the end of the ball with a 1/2-in. bit mounted in a Jacobs chuck. Set the lathe at its lowest speed. Put a piece of tape on the bit if you need a depth stop. The hole must go completely through the ball. Steady the bit with your hand to dampen any severe vibration.



**4** Scrape the interior of the ball with a small hollowing tool, using light cuts. Frequently clear out the waste with a shop vacuum or a blast of compressed air. The purpose of hollowing the ball, which can be rough inside, is to reduce its weight.



Show and Tell



Maple Bowl with Hummingbird pattern finished in Danish Oil by Susan McCoy



Walnut Platter with Danish Oil by Susan McCoy



Maple Bowl with Hummingbird pattern finished in Danish Oil by Susan McCoy



Bill Johnson developed this holding device for drilling pen blanks on his drill press. There is a hinge on one end, and you place the blank in the holder and drill away. Helps is blanks are the same size.





Myrtle Plates by Sid Bright finished in epoxy. He is working on perfecting the finish. Applies the epoxy and has an old rotisserie motor that he uses to keep turning the piece as the epoxy sets. Struggling with bubbles a little. Getting better but still needs to work on the process. Hope to hear progress report next meeting.



Hold Overs from the Brown Bag Challenge



A Pat White Creation



A Rob Lucus Creation





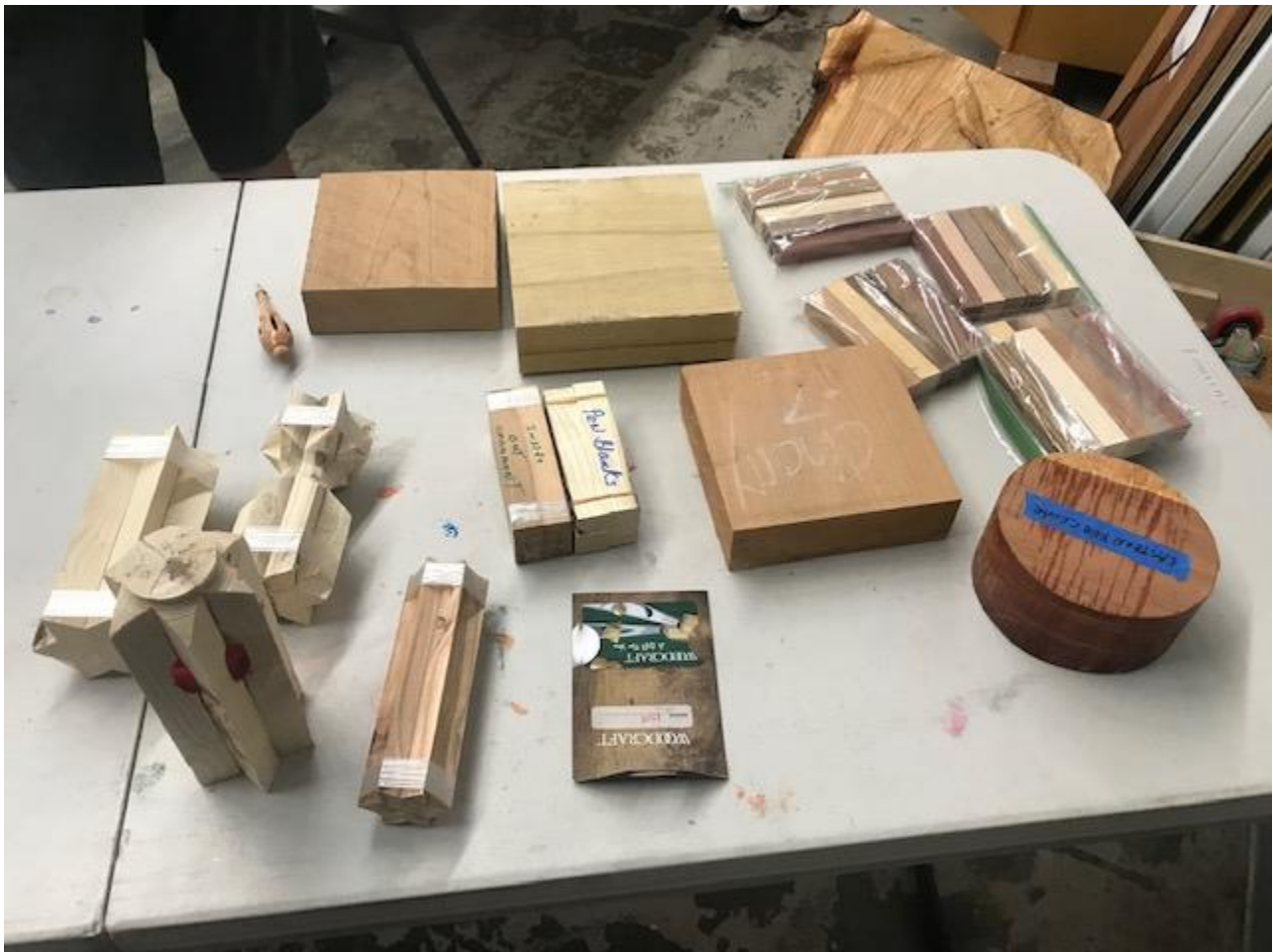
A Connis Wilson Creation-  
Bowl from a board and two  
cutting boards

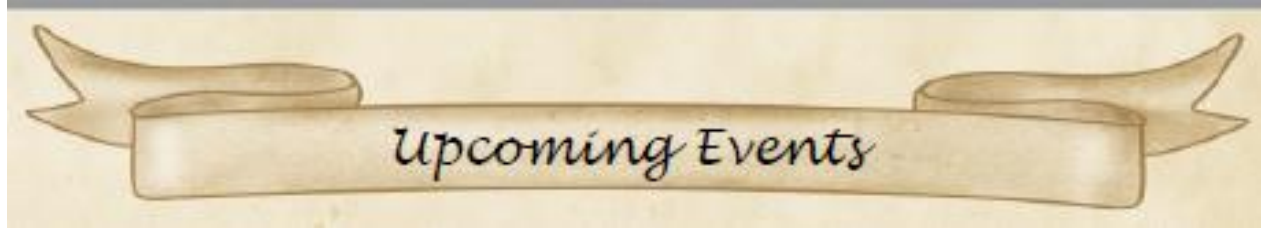






Bowl of the month by Bud Harmon.





Turning for the Troops will be at Wood Craft starting at 8 am on Saturday November 12<sup>th</sup>. The goal is to turn 1300 pens again this year.



Monte offered the club the opportunity to turn 150 Wall Street II pens for the new submarine that will be named USS Idaho. Wood Craft will provide the kits and what is needed to turn the pens. The club members present agreed to take on the project. There was discussion about possibly using wood from the Capitol building for the stock. Several people were going to check around to see if some of the material could be located. Let Monte know if you wish to be involved in the project. The plan is to present the pens during the Turn for The Troops Day to maybe the Governor.

### **MAKERSHOP**

Monte shared about the Makershop that will be open just down the way from the store.

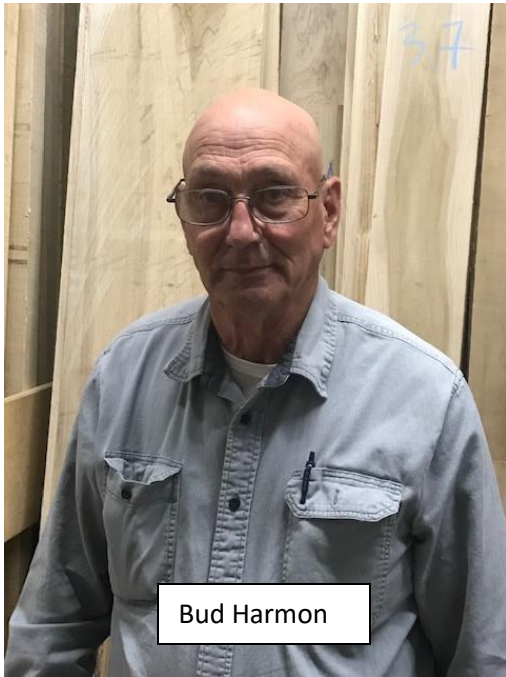
Check out the website at <https://www.makershopboise.com/>







New Members



Bud Harmon



Craig Hessing



Michael Bantam



Ronnie Hull

Wig Stand Project





Susan has made contact with a group that is very excited about our group providing wig stands. They can use all that we can make for them at this point. The picture below is Susan giving these two stands to the group. Details for how to make are in Attachment B to this newsletter

