

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.com/.](http://www.swiwt.com/)

January 2019

Club Officers

President:	Aaron Cornell
Vice President:	Scott Taylor
Secretary:	Tom Turco
Treasurer:	Tom Turco
Librarian:	Liz Meyer & Marlise Schmidt
Directory:	Marcia Miller
Newsletter:	Ellis & Marcia Miller
Advisory Board:	Marsha Baker Sid Bright Gary Smith

Contents

Demonstration:	Page #
	3-7
Show and Tell	8-12
Bowl Exchange	13
Happy Raffle Winners	14
New Members	15
Club Business	16
Monte's Visit	17
Up Coming Events:	18
Club Member Sales	19-20

Marcia and I were not able to be at the January meeting. We drove back from Utah on Jan 6th. We had attended my brothers funeral in Orem.

On Jan. 7th, Marcia woke up with severe pain in her right back, around the scapula. By Jan. 9th she was no better, so we contacted our doctor. She had x-rays that showed bone on bone in her shoulder joint. This is not new. She had x-rays several years ago that showed bone on bone in the shoulder. She is unable to lift more than a couple of pounds with her right arm. She was given some pain medications that don't work. The Dr. prescribed other medications that also didn't work. We went back to the Dr. On 1-17. They gave Marcia injections in her back in three places. No relief from the pain. They gave us an appointment at a spine clinic on Jan. 23. We are hoping to get a CAT scan and/or a MRI to find out what is going on. As of now, she is still in a lot of pain.

We took our camera's and treats over to Rich Froehlich's home and he took everything to the meeting. Dan Kunz took care of the video and still photo's. When Rich brought the camera's to us, we noticed some new cookies in with the other treats. Someone else had stepped up and obtained other treats for the club.

I want to give a big "Thank You" to Dan and Rich for stepping up and helping us. I don't know who else provided treats, but "Thank You" also.

Ellis and Marcia.



Demonstration

Pat White gave us a demonstration on how to build a Mobius Strip. He started by explaining what a Mobius Strip is. He took a strip of adding machine paper about two feet long, then he held the two ends together to form a circle. He flipped one end around and taped the ends together. He used a pencil as a pointer and showed how he could take the pencil and go around the entire strip. He ended up at the starting point, while going around both sides of the paper and never taking the pencil off of the paper.

The four pictures below were all copied from Bill Ooms web site. See the bottom of page 5 for his web site address.



How to Make a Segmented Ribbon (Mobius Strip)

Pat White 1/8/2019 - SWIWTA

Step-by-Step instructions for creating a
Mobius strip from 3 bottomless bowls

Step 1: Select dimensions and wood for project

- I chose to make the strip $3/8"$ x $3"$ and the bottomless bowls $11"$ maximum diameter.
- Choose wood with color/grain pattern for good segment match, easy to turn, glues well.
- Requires approximately $2\frac{1}{2}$ board feet of $3/4"$ or $1"$ wood
- Wide boards provide more efficient use of material.

Step 2: Cut out 48 identical segments from selected wood

- In order to provide face grain for bottomless bowl glue joints, cut $3\frac{1}{2}"$ strips across the grain of the stock you are using. Cut a sufficient number of strips to provide for at least 48 useful segments (staves). Number of strips will vary depending on width of lumber used. Approximately 96 lineal inches of strips needed.
- Using compound miter saw or miter sled (crosscut angle 8.01 degrees/blade angle 7.93 degrees and a stop set at $2\frac{3}{16}"$ for an 11 inch bowl), cut strips into at least 48 usable bowl segments (wedges) – reject segments which take away from the desired finished look.
- Lightly sand cut edge of segments, where needed, to improve quality of glue joints. Ensure that cut angle is maintained.

Step 3: Glue segments together to create 3 sixteen segment bottomless bowls

- Using large rubber bands, glue 2 segments together at a time to make 24 double sections.
- Tape 4 double sections together to form 2 half bowls (8 segments).
- Using circle gluing jig, clamp sections into 2 half-bowls with small spacers and no glue between halves.
- Remove glued sections from clamp and sand open edges of half-bowls on a flat surface.
- Using circle gluing jig, glue/clamp 2 half-bowls to create a bottomless bowl.
- Repeat steps to create two additional bottomless bowls

Step 4: Turn and glue temporary bowl bottoms on to each bottomless ring

- Make stock for 3 temporary bowl bottoms. (I glued two pieces of $3/4"$ in MDF to make $1\frac{1}{2}"$ x $7"$ x $7"$ block)
- Turn 100 mm tenon on one side of bowl bottom. (I found you need a large tenon to securely hold MDF bowl bottom while turning – 55 mm tenon broke off. A smaller tenon would be fine with sturdier material.)
- Turn other side of bowl bottoms to create a 45 degree angled edge with a diameter slightly larger than that of the smaller end of bottomless bowl.
- Mount bottomless bowl in donut chuck. Turn bottom edge smooth to accept temporary MDF bowl bottom.
- Add glue and use tail stock to clamp bowl to temporary bowl bottom.

Step 5: Turn each bowl to precise dimension and remove temporary bottom

- Reverse bowl and mount tenon in chuck.
- Turn bowl sides to precisely 3/8" thickness (flat), 45 degree angle, 11" outside diameter at top of bowl.
 - Turn outside of bowl first - 11" diameter at widest point
 - Use tri-square to maintain 45 degree angle
 - Use long calipers to measure thickness
 - Sand top edge and sides to 220 grit
- Turn a pencil mark on both the interior and exterior of bowl at 3 inches from the top
- Using parting tool, cut an approximately 1/8" deep square groove just below marked line in the interior of bowl. (This is done to prevent tear out when parting bowl from base.)
- Reverse bowl and re-mount in donut chuck. (If available, first mount bowl in chuck on tailstock to center)
- Using parting tool, cut temporary bottom from bowl just below pencil mark on exterior of bowl.
- Sand parted edge to 220 grit
- Repeat process for other two bowls.

Step 6: Cut the 3 bottomless bowls into 3/4, 1/2, and 1/4 sections

- Determine which glue joints will be cut and mark each cut line with blue painters tape
- Cut marked lines on band saw – cut must be square to bowl and straight as possible
- Carefully sand cut edges flat and as parallel as possible to original glue joint

Step 7: Reassemble bowl sections to form Mobius strip, sand and finish

- Dry assemble bowl sections using tape at joints to ensure final project structure
- 1 to 2 joints at a time. Use clamping jigs to assemble sections into final shape.
- Sand and finish (Spray or oil rubbed finish recommended)

Step 8: Mount on a base – Optional

- Matching the curve of the Mobius strip can be challenging but a base adds to the look of the piece.

Resources:

Online compound angle calculators – useful for any stave bowl

<http://www.pdxtex.com/canoe/compound.htm>

<http://www.woodworkersguildofga.org/compound-miter-calculator>

Bill Ooms Ribbon Gallery

<https://www.billooms.com/GalleryRibbon.html>

Malcolm Tibbets – Tahoe Turner Gallery

<http://www.tahoeturner.com/gallery/list.html>

Malcolm Tibbets – “How to Make a Twisted Strip” AAW 2007

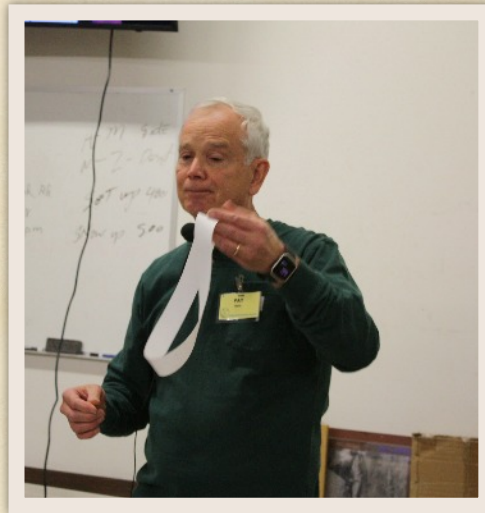
<http://www.tahoeturner.com/instructions/pdf/twisted.pdf>

Tools/supplies I used:

- | | | |
|---------------|--|-----------------------|
| • Lathe | Compound miter sled | Wide painters tape |
| • Bandsaw | 2- Shop made segment clamping jigs | Large rubber bands |
| • Disc sander | Shop made jig with hose clamps to form approximately 11" in diameter | Titebond III glue |
| • Donut chuck | 6" long reach calipers/combination square | Random orbital sander |

He told us there are seven easy steps to making a Mobius strip. Each step is outlined in his demonstration handout, (page 4 & 5). This hand out is as good as any I have ever seen, and better than most. If you desire to make a Mobius strip, print out the handout, and go over it in detail. Go to the web sites of the turners he listed in the handout. Doing this will shorten your learning curve for making a Mobius strip. I know that you can always contact Pat for additional information.

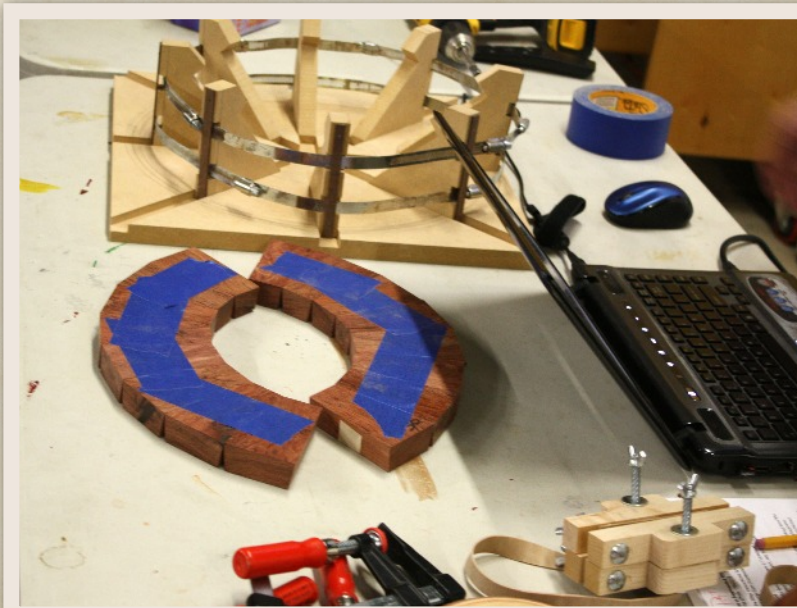
It would be great if a couple of Mobius strips show up at AIW, not made by Pat.



Pat using the adding machine paper to show up what a Mobius strip is.

Two Mobius strips completed by Pat.





The top left picture shows the bowl jig, then a set of segments, and in the lower right is a shop made clamp to use when assembling the Mobius strip. The picture on the right shows the clamp for assembling the Mobius strip.

The lower picture shows the bowl clamp, holding a bowl. Pat drew circles on the base of the clamp so he can align the clamp to maintain a even circle as he tightens the clamps.



Show and Tell



Aaron Cornell made this mallet, using Maple.
The mallet has an oil finish.



Charles Gerdes made this lamp out of
Koa. The finish is Dura Seal.





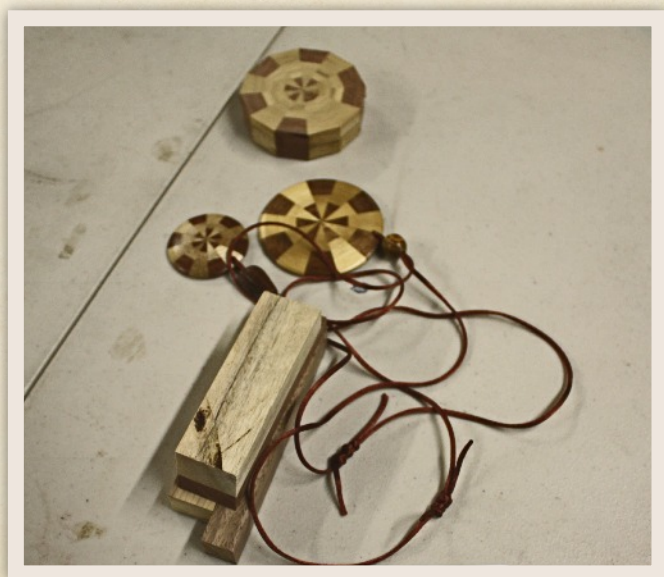
Susan McCoy brought in the two urn's pictured above and the two Walnut Burl platters below. The urns are Maple and Rosewood. Both have threaded lids made out of Black Wood. The urns are finished with Danish oil. The platters are finished with Mahoney's Walnut oil.





Nick Peterson has been turning some acrylic. He turned this snowman pen for a friend of his in California. Nick's friend collects snowmen.

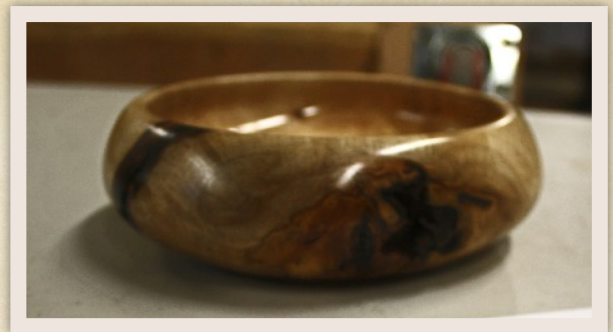
Rick McGurk decided to give acrylic turning a try. 5 pens and two shaving razors later, he has acrylic turning under control.



Wayne Rexford has a new wedgie sled, and he made the medallion's.



Peter Remmen made this Cherry bowl with an oil finish. This is his first attempt at engraving.



Joe Keddie visited Aaron's fire wood pile, and found this Silver Maple bowl hidden inside of some firewood.



Bruce Johnstone was looking for something to turn. He looked in David Springett's book, *Woodturning Full Circle*. He found an article about streptedrons. Here is what he made.



This very nice natural edge burl vase was brought in by Dan Oliphant. This is a beautiful vase.

Bowl Exchange



A very nice ring holder.



And the lucky winner, Liz.

Happy Raffle Winners



New Members

We would like to welcome Jim Holmes to our club. He joined our club in January. I forgot to tell Dan to take a picture of any new members. We will take your picture next month.





Club Business

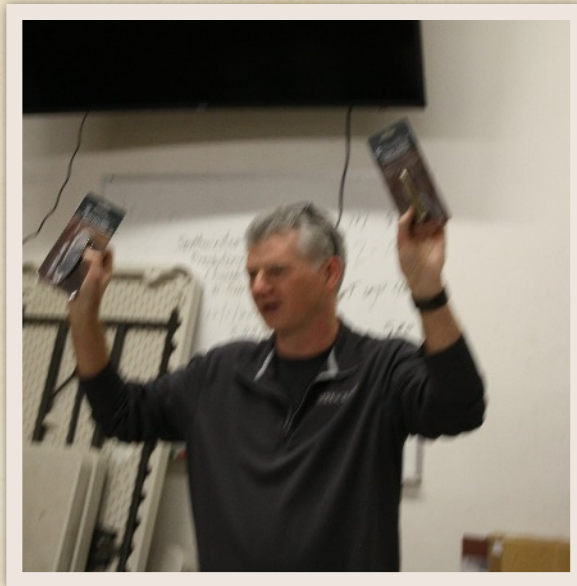
Scott Taylor said that he still needs idea's for demonstrations. Green Wood turning was suggested. Also some proper ways to use different turning tools.

Rich Froehlich talked about AIW, March 15th, 16th & 17th. The fee's increased to \$5.00. Changes are coming in how the clubs are assigned different tables for volunteering. John Lee will be the judge this year. FYI, John likes to close his eyes and feel your piece. Give your piece your own feel test before bringing it to AIW. You will be surprised what you can feel, that you didn't see.

Aaron told us that this year there will be no Utah Woodturning Symposium. They may have one in 2020 to celebrate 40 years of symposiums. If you attend any symposiums, you had better check and be sure they will still be running a symposium. In regards to the Rocky Mountain Symposium, in Loveland Colorado, the web site is not working, but it does show dates in September 2019 for a symposium. In prior years, their web site worked all year long.

Steve Young told us that in the last 15 years we have made over 16,000 pens for the troops.

Monte's Visit



Monte is in India doing charity work. Steve filled in for him. Steve told us that there is not much new inventory right now. The only thing he had was a large knife, or a small machete and two pocket knives. You can put your own handles on all of them.

Woodcraft Boise is in the top 4 of 75 Woodcraft stores nation wide.

Steve Young told us that in the last 15 years we have made over 16,000 pens for the troops.



Up Coming Events

Artistry in Wood

March 15,16,and 17th 2019

At JUMP, Boise

Oregon Woodturning Symposium

March 15, 16, 17, 2019

Albany Expo Center, Albany, Or.

[Oregon Woodturning Symposium.com](http://OregonWoodturningSymposium.com)



Club Members, Items for Sale

For Sale

Contact Lyn Tozer 208-869-7203, lgtozer@gmail.com

Tormek Sharpening System: 8" with Woodturners accessories shown plus Direction book, DVD and more



Tormek sharpening System, 8 inch wheel with Woodturners accessories including:

Bowl gouge jig SVD 185 and TTS-100 setter

Multi jig SVS-50 for skew chisels, roughing gouges, parting and beading tools:

Tool rest SVD 110 for scraper sharpening

Square edge Jig SE-76

Truing and dressing tool jig TT50

\$275. includes the Tormek and all the wood turning jigs

Face Place: 6 make offer



Calipers: inside outside \$17 .00



Trend Airshield Pro: complete with battery charger \$225.00

T



The face plate shown, top left, is \$6.00. I was not able to make the changes to the pictures Lyn sent me.

Aaron has agreed to a "Club Members, Items for Sale" page. This page will be shown in the newsletter only. It will not be uploaded to the web site. Anyone with something they would like me to list here, sent me an e-mail. Include a picture (JPG format if possible) and description with asking price. It will go in the next newsletter.