

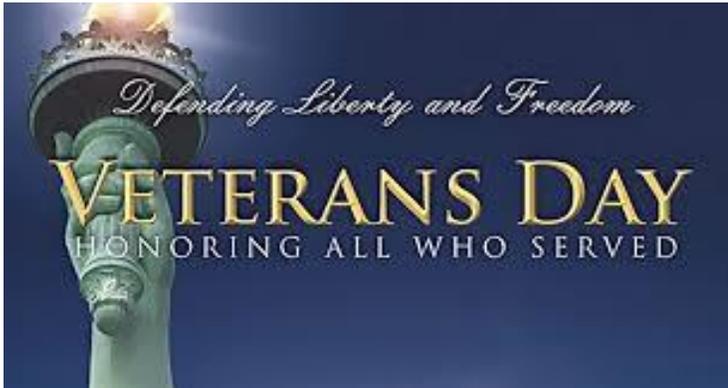


Great Falls Woodturners Newsletter

www.gfturners.org

Volume 8, Number 2

November 2016



Just a Few Words...

We are so very fortunate to have our meeting facility and at only a cost of \$50 per month. Like in life, as time goes on we seem to take things for granted until we're awoken and reminded how fragile things can be. I think we are at that

point and need to take a look at ourselves to ensure that we aren't taking our facility for granted.

I for one am at that point: When I came to the facility on Nov 1 I found both the truck and training apparatus parked inside the building and was frustrated. I failed to remember that we are guests and expected everything to be just the way I wanted. That will never happen again thanks to being reminded subtly. We can have the firefighters take care of everything for us at \$150 per session or we can self-sufficient and continue to pay a fee of \$50 per month. Needless to say I choose the latter.

I ask you all to treat the place like we truly appreciate it. We must not waste utilities such as the heat by leaving the doors open, leaving lights on when not in use, abuse the large doors since I found they are fragile, not park on the grass or throw anything on the lawn that harms it.

Well, I guess you get the picture. Please help me in taking care of the facility so we can go on enjoying a place where we can enjoy each other's company and our club. Thanks

Sam

Dirk Johnson Notes:

Dirk Johnson, in his capacity as Mr. Secretary, has taken notes during the demonstrations. The notes are comprehensive and are included in the newsletter for your information. I appreciate Dirk's efforts very much and thank him.

Christmas Ornament Contest

Please note that I am leaving this paragraph in this month's newsletter for info on the ornament contest:

At the club meeting on Oct 4th we announced the forthcoming **Christmas Ornament Contest** that will conclude at the Dec 6th Club Meeting.

Here is the criteria:

- Turn ornament or ornaments of your choice. You are not limited to one.
- The ornaments will be given a number upon presentation on Dec 6th so only a number and not a person will be judged.
- The ornaments presented will be donated to the Great Falls YWCA for their use.
- Sandi Filipowicz, Director of the YWCA will judge the ornaments and select the winner.
- A token prize will be awarded and you will have bragging rights.

It's all for a good cause and will allow the club to show the community our skills and generosity.

Club Demonstrations

Chuck Kuether – October 22nd

Turning a 3 Cornered Bowl with a Twist

Chuck started the demo with discussing the safe and proper way to mount a piece of a square, cubed piece of wood using the spindle on the head stock and a cupped live center in the tail stock. It's important that the piece be as close to perfectly cut even on all sides to get a balanced finished product.



He mounted the piece in the lathe and marked the tail piece to indicate where the tenon would be created and then carefully turned a small tenon so the piece could be mounted in the chuck. The piece of wood used will be the determining factor of using a small or larger chuck.



You can see that he made the walls the thickness he wanted the finished bowl to look before removing that center support.



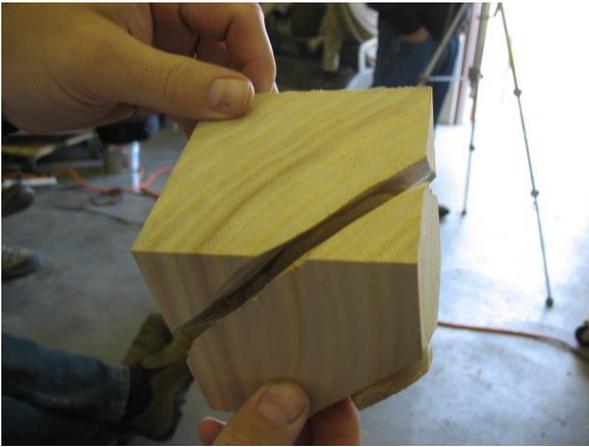
Once the tenon is created, he then began to turn the shape of the outside of the bowl. While approaching the top (points) he became less aggressive in order to not damage the three points. When he had the outside shaped and sanded, he then took the piece and mounted it in the chuck to work on the inside of the bowl.

He sanded the piece and then used a jam chuck to finish the bottom. He had a well-balanced and even three points.

After mounting the piece in the chuck, he used a one inch drill bit and drilled the depth of the bowl leaving enough material to finish the bottom. Then he started hollowing the inside. This is where he took a different approach by leaving the center of the inside on with the live center on the piece. He hollowed the inside from the outer edge towards the middle. This allowed the bowl to remain strong and eliminate vibration. Gradually he removed the interior and then eliminated the center.



Then came the twist. Susan came to the shop when Chuck was turning a sample of the three point bowl, and told him he could make two bowls from the once piece. Taking that idea, he mounted the piece of stock in the lathe and cut the piece in half using a parting tool.



Please see Dirk's notes on Chuck's Demo following the Instant Gallery.



Wayne Petrini – Nov 1st

Finishing

He mounted one of the pieces and turned the bottom of the bowl leaving the bottom in a more three sided configuration rather than completely round and put on a tenon.



Mounting it in it in the chuck, the then turned the inside and make the corners in a down shaped as indicated in the picture.



The first thing that Wayne addressed is your safety when handling finishing materials. He addressed proper protection by using rubber gloves, breathing protection and adequate ventilation.

Thanks Chuck for an Outstanding Demo.



Wayne discussed the importance of setting the basis for a great finishing: **SANDING!** In order to get a first class finish on your creation you need to sand the item through the grits to the 400 grit or even higher. Remember to clean the piece after each grit to remove any grit from the previous sanding. Wayne likes to buy his sanding stock in rolls and then just breaks off pieces as he needs them.



The next important step is using a sanding sealer to establish a base for the finish of your choice. If you are using oil based finish such as Mahoney's Walnut Oil, you should skip the sanding sealer. He then went through the discussion of using Waxes, Oils, Lacquers.



Wayne covered the use of resin to repair defects in the wood. He discussed adding color with dyes to enhance the beauty of the piece.



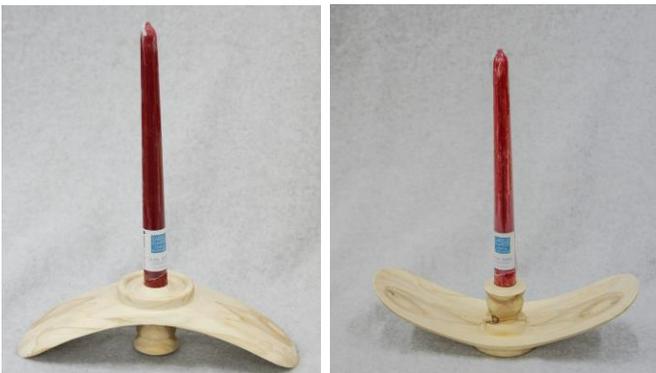
He then discussed and demonstrated the use of the PreVal Sprayer in applying a lacquer finish on the piece. He invited us to come up and try the PreVal, but none of us had the courage to attempt finishing his bowl.

Thanks Wayne for another Outstanding Demo.

Thank You 😊

Take 'n Turn

Terry Hill took home the log piece of spalted birch provided by Chuck Kuether at the last club meeting on Oct 4th and turned a very nice spalted birch Winged-Reversible Candle Holder. As a supplier of the next turning, Terry brought in a piece of Birch Tree to be turned by that lucky winner: **Chris Johnson**. Chris will create a piece and bring it in on Dec 6th.



Take 'n Turn Created by Terry Hill

Congratulations!!

To **Rich Charlson** on the selection of two of his pieces of art into the Charlie Russell Art Auction. We see his art all the time now the rest of the art world will see it.

TIPS

Info Tip – Sam Sampedro

Kurt Hertzog Web Site

I was taking a look at Kurt Hertzog's Web Site the other day and found that it was expanded to include a lot of good info on all aspects of woodturning. You will find it a great source of reference material. Check it out....

<http://www.kurthertzog.com/demos.htm>

Tips From The Past

Shop Tip – Paul Snyder

I went to Pacific Steel to find out about band saw blades and found that they do make up blades. They have 1/4", 1/2", 3/4", and 1" wood blade stock on hand. Also, they could get any size or pitch if they don't have it. I don't have prices on these. They have and do a lot of industrial blades, metal cutting etc. The stock is Lenox. It only took didn't take but a few minutes to have a blade I had gotten online shortened because of inaccurate sizing and did a great job. Paul

Shop Tip – Paul Snyder

I had an occasion to fix a cracked bowl. In that case it was Box Elder wood. There were two major cracks that showed up near the top. The cracks

were in material that was unstable, but was colored and decorative. I used CA glue to stabilize the cracked area and it also somewhat filled it . There was still an unsightly appearance that should have been red but was a ragged, rotten looking black and red. The bowl had no finish on it. I sanded out the stain the CA glue left and using some Blood Wood sanding dust, I made a slurry by mixing that with a small amount of Salad Bowl finish. I used my finger and massaged the slurry into the crack area heavily. After it dried thoroughly, I sanded it down and if it were needed, applied another application. The finished product had a very natural look. This could be used on small hairline cracks effectively. Something worth a try. Paul



To Mrs. Jean Harmon (and Larry too) for the great bags of popcorn at the Nov 1st Meeting. They were Yummy.

Club's Appreciation

Editor's Comment: My thanks to the following individuals who helped with the content of this newsletter:

Dirk Johnson
Paul Snyder



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Club Officers

President: Sam Sampedro
761-4145

Vice President: Roger Wayman
460-0587

Treasurer: Chuck Kuether
727-2442

Secretary: Dirk Johnson
899-0726

Directors:

Tom Krajacich
727-3464

Wayne Petrini
868-8420

Paul Snyder
750-1999

Meeting Location:

Great Falls Fire Training Station
1900 9th Ave South
Great Falls, MT 59405

Meeting Day

First Tuesday of the Month and
Third Saturday of the Month
(Unless otherwise noted in
The club schedule)

Meeting Time

Tuesdays: 6:30 PM
Saturdays: 12:30 PM

THE GOOD WOOD GUYS

The Good Wood Guys
816 20th Street North
Great Falls, MT 59401
406-231-WOOD (9663)

Please support The Good Wood Guys. They have been very generous and provide great support to our club!

[A Visit with Doctor Lloyd Taylor](#)

Submitted by Chuck Kuether

I recently had the good fortune to spend a couple of days in Colorado with Barbara and Lloyd Taylor. They are both still the kind, personable folks you remember, if you knew them here in Great Falls. I had the pleasure of spending several hours in doing some turning with Dr. Taylor. One day, he made the suggestion that we make a 3 cornered bowl with a post in the middle for rings.

Below is an image of the one we made of maple, which is one piece. Both for ease of turning and finishing as well as for aesthetic reasons, Lloyd thinks he'll make future ones in two pieces - inserting a center post of a contrasting wood.

Lloyd asked me to make sure to tell all of you that they are alive and well while living in Steamboat Springs, near many of their family members.

Editor's Note: Doctor Lloyd Taylor was instrumental in the creation and an avid supporter of the Great Falls Woodturners Club.



Instant Gallery

Instant Gallery Photos

(Great Photos by Paul Snyder and Sam Sampedro)



Randy Houtz (Please note that this picture was mis-identified last month with another individuals name; my apologies to Randy)



Sam Sampedro



Chris Johnson



Paul Carlson



Paul Carlson



Paul Snyder



Terry Hill



Sam Sampedro



Terry Hill



Tom Krajacich



Terry Hill



Terry Hill

My son, Tony Sampedro, came home to visit in October. Tony has turned pens for some time, but had not turned other items. After a quick session of Beads and Coves, he turned the following items. We just want to show you what a novice can accomplish after mastering Beads and Coves.

If you have a family member that is a turner and you want to 'brag' on their accomplishments, submit the name and picture for the newsletter.



Tom Krajacich



Tony Sampedro



Tony Sampedro



Tony Sampedro



Rich Charlson



Rich Charlson



Rich Charlson

Chuck Kuether Demonstration Notes

1. Try to get your piece of wood as square as possible
2. Watch for knots and adjust your piece
 - a. Even though your piece appears unusable if you place it correctly between the head and tailstock and lay it out the bad parts can be turned away
3. There are numerous ways to hold the piece
 - a. One is without any drivers and only using the empty headstock and tailstock.
 - b. You don't need to cut the corners when using the open drive center and tailstock
4. The other ways are to use a spur center and tailstock live center
 - a. First thing Chuck did was to take off the corners (if your using a spur and live center)
 - b. He marked the corners by using a carpenters speed square
 - c. Then using the band saw table @35 degrees and the saws miter gauge at a 45 degree angle he cut off the corners of the piece which allows for your live center and spur center to make contact with the wood.
5. Once the piece was mounted on the lathe he then used calipers to mark for his Tenon size
6. Now mounted he talked about a guide to use for turning speed. Whatever the size of your piece is you divide that into 9000 and 6000; for example if your piece is 3 inches wide you would divide $9000/3$ which gives you your maximum speed of 3000 rpm and then divide $6000/3$ which gives you 2000. So for the 3 inch piece your max speed is 3000 rpm and minimum is 2000. Or 564 if you're Dave Manix.
7. He then began to turn the piece and used a bowl gouge to make his Tenon once the Tenon was complete he continued with his bowl gouge both with the grain and against the grain. Going against the grain alleviates tear out on the corners. He then worked out the general shape of the 3 sided bowl. He then used his Niche (spelled wrong) tool and scraper to smooth out the sides.
8. Now that the bowl is smooth and sanded he used his parting tool to cut the remainder of his Tenon off and finished with his Chinese saw.

1. The piece is now flipped and placed into the 4 jaw chuck.
2. This is where you need to be careful of the edges as you hollow out the bowl
3. He also brought his tailstock up for stability as he began to hollow the interior outside of the bowl and worked out the corners.
4. Once he was happy with the outside of the bowl and couldn't work anymore with the tailstock wood piece he turned away the excess wood from the center.
5. He then measured for depth and used a 1 inch drill bit to hollow out the center and the bottom of his bowl.
6. Chuck prefers to leave his measure tape on ½ inch and then drills from there.

****TIP- If you don't have a measure tape on your lathe you can use an O Ring on your drill bit for depth reference

7. Chuck then continued to hollow out the bowl to its final shape. He also continued to measure his wall thickness from the wings to the base of the bowl. This is where you need to pay attention to the tip of the wing thickness compared to the base. The base is usually thicker during turning so the base can be marked with a pencil to show where to start hollowing lower inside the bowl.
8. Once the inside of the bowl was smooth and finished he flipped the piece and used a jamb chuck to turn off the Tenon. This left a tiny part of wood on the bottom that can be taken off with your sander.

Wayne Petrini Demonstration Notes

Wayne has had formal training in auto body and paint and as a full time painter. For safety reasons he stated any time your spraying anything use a yellow or green dot respirator.

1. 1st is Sanding

- a. You can start finishing once the surface is as nice as you can get it.
- b. 80 grit will leave the wood rough, but also remember that if you get wood to smooth (600 grit or more) and you're using oils, the oils may not penetrate.
- c. He recommends automotive sand paper for its durability but once it's used don't "save" it throw it out.

2. 2nd is sanding sealer

- a. Some types of sanding sealer are Deft, Zinnzer, and Minwax
- b. Apply sanding sealer and let dry, sand with 220 grit and taper down, this will get rid of runs etc. If you break through the sealer the sealer shall be reapplied.
- c. If your finishing oily woods, wipe the oily wood first with acetone prior to applying sanding sealer

3. Waxes

- a. There are colored waxes for finishing, so if you are waxing dark wood use a dark wax
- b. Citris oil has a good smell
- c. Abrasive waxes
 - i. Good for hard woods to fill tiny impurities in the wood, turn your lathe on to about 3500 rpm this will heat the wax for a glass like finish
 - ii. Abrasive wax is great for pens

4. Oils

- a. Take a long time to dry
- b. "Japan Dry" will quicken drying time BUT may change the color also
- c. Food grade oils
 - i. Flax seed or Mahoney's
 - ii. Waterlox when cured is food safe (sold at Good Wood Guys)
 - iii. You can mix bee's wax and mineral oil for a great finish
- d. Tung Oil
 - i. Native to Tung tree in China
 - ii. Like a vegetable oil and will penetrate dense woods.
 - iii. Tung Oil will cure in the bottle so use "Bloxygen" in the can. This will displace the oxygen in the bottle.

5. Lacquers

- a. Can brush or spray lacquers but remember they dry fast
- b. Lacquer can be sprayed with a “Preval” sprayer, thin it down so it will pass through the sprayer.
- c. Lacquer can be thinned with water and still works great

6. Casting Resin

- a. Uses a catalyst so follow the directions
 - i. Hot less Cold more
- b. Pour on epoxy takes time to dry
- c. 2 part epoxy
 - i. Ensure you use equal parts
 - ii. Pour the hardner first and stir for a minimum of 3 minutes for a complete mix

7. Finishing his bowl

- a. 3 coats of Lacquer sprayed on with the Preval Sprayer
- b. Let dry (about 15 minutes) and sand to smooth 600-800 grit
- c. Polish
 - i. May use regular rubbing compound
- d. Once lacquer is dry you can use wax over it for a Satin Finish
 - i. Once lacquer is dry use 0000 steel wool prior to applying wax.

Great Falls Woodturners Meetings/Demonstrations Schedule

November 19 th	Meeting and Demo – Terry Hill & Roger Wayman
December 6 th	Meeting and Demo – Jay Eklund
December 17 th	Turn a Top Fun Time
January 3 rd	Create a Wedgie Sled – <u>This is a No Charge Event</u>
January 21 st	Creating Rings for a Segmented Bowl – <u>This is a No Charge Event</u>
February 7 th	Meeting and Sharpening Demo – Sam Sampedro
February 18 th	Demo
March 7 th	Meeting and Demo
March 18 th	Tool Making Workshop
April 4 th	Meeting and Demo
April 15 th	Demo
May 2 nd	Meeting and Demo
May 20 th	Demo
June 6 th	Meeting and Demo
June 17 th	Demo
July 5 th	Meeting and Demo (<u>This is a Wednesday since July 4th is on the first Tuesday</u>)
July 15 th	Demo
August 1 st	Meeting (<u>Club Elections</u>) and Demo
August 19 th	Demo

Please Note: Tuesday Meetings start at 6:30 PM, Saturday Meetings start at 12:30 PM

Director's Meeting Schedule

October 19th	6:30 PM	Sam's House
November 16th	6:30 PM	Sam's House
December 21st	6:30 PM	Sam's House (If needed)
January 18th	6:30 PM	Sam's House
February 15th	6:30 PM	Sam's House

Dish-mop Sander



For anyone who has arthritic fingers or has trouble holding small pieces of abrasive, try a dish-mop sander. It can be used on the lathe or to sand small boards or edges. Buy an inexpensive dish mop, remove its sponge/scourer pad, and replace that with a piece of high-density foam. I glued self-adhesive hook and loop to the face. Any cloth-backed abrasive can be attached. It is a quick-to-make, effective sanding tool.

Gary Field, Australia

