



Great Falls Woodturners Newsletter

www.gfturners.org

Volume 9, Number 2

September 2017

Just a few Words...

2017 Club Picnic

On behalf of the club, we wish to thank **Tamara & Dirk Johnson** for hosting our picnic at their house. We appreciate their hospitality and all their hard work in a very successful picnic.

Thank
You

Club Demonstrations

Jay Eklund – Sep 5th

Wedgie Bowl from a Board

Jay opened the demo by showing and discussing the 'test' model of the wedgie

bowl from a board. From that point he discussed the method he uses to glue various pieces of wood together to make the bowl blank which is a bowl blank size of your choosing. Telling us that our imagination is our only limiting factor, he encouraged us to be creative in our design.



He discussed safety by showing us the Push Blocks he made to safely cut the wood strips. Also show is the jig he made to cut the 30 degree ends of the wedgies. He showed us his glue up jig and mentioned that he believes we never have too many clamps. We were in total agreement.



Jay showed us the board bowl blank he glued up to make a bowl and then showed us the blank that he cut on the bandsaw to make the rings for the bowl. He discussed that you can cut the blanks from the board at almost any angle and we need to choose what suits us. He then showed us the press he made to glue the cut circles into a bowl 'cone' when is mounted on the lathe.



He discussed the different methods of mounting the blank on the lathe: waste block glue to the bottom and use in a chuck, faceplate, or create your own mounting block by drilling a hole and taping it with a wood tap then mount it.



Jay showed us how he makes the glued pieces with a wedge angle by using a

jig that allows him to cut the angle at 30 degrees with a radial arm saw. Clamping the jig to the table and then clamping the piece to the jig allows a safe method of cutting the angles. Be sure to cut the wedgie angle at opposite sides of the board.



The rings angle determines the vertical angle of the bowl. Also, the overlap of the rings determines the thickness you have to work with when turning the piece.



He told us to turn the outside of the bowl first and then you'll know how much material you have to work with on the inside. Also, to shape the foot of the bowl while doing the outside of the bowl.



THANK YOU

He used a drill sander to complete the outside of the bowl before turning the inside of the bowl. He pointed out that when you have the bowl sanded to your liking, use some 0000 steel wool to polish the wood then use paper towel to further polish and this burnishes the wood to almost perfect smoothness.

When turning the inside be sure to use a sharp tool to minimize tear out and to use a 60 degree gouge to do the bottom because the depth of the walls precludes using the bevel of the gouge when using a lesser degree bevel.

Please note that this is a republic of Dirk's Demon of Aug 1st with the proper format that includes photos.

Dirk Johnson – Aug 1st

Mounting Objects on a Lathe

Dirk provided an informative demonstration that provided insight into better visualization of grain direction, tool use and drive selection.



Oh yeah, having had the experience, he recommends not going back for that one last cut which almost always creates design change or fireplace material.



Dirk's preference for spur drives is for a 2 prong over the 4 prong as you can push the 2 prong further into the work piece to spin it more safely.

As he has always done in the past, Jay gave us an outstanding demo and we appreciate it very much.

First bowl

He started of by showing us a blank that he had roughed then marked the end grain and side grain on. It was extremely informative to see visually how we are dealing with about 80% end grain and 20% side grain.



When addressing this situation he prefers to use a bowl gouge sharpened at 45 degrees, held low. You should come in from the tailstock to form the rough shape of the bowl using a shear cut or pull cut.

Second Bowl

This piece was a large walnut piece cut only 1 day ago that was about 14% moisture. Dirk mounted it with a screw chuck and secured it with a live center in the tailstock. He used a push cut to remove the bulk of the material. Then made a tendon (to use a clamping direction) on the bottom to be used when reversing the piece on the lathe. Before removing from the screw chuck he took a couple of sheer scraping cuts on the outside to leave a good surface for sanding and finishing.



When you get to the bottom of the curve you get into the end grain. If you choose to cut from the edge of the bowl to the base you don't have wood fibers supporting the cut. You can rough a piece that way, but all your finish cuts need to be from the base to the upper edge – so that the fibers are supported and you minimize tear-out. Dirk further demonstrated that by the time you have rounded the bowl you are closer to 50% end grain and 50% side grain.



Turning the inside, start in the center – let the bevel ride, open the mouth of the gouge and increase your cut. As you get lower in the piece, toward the bottom, move your gouge further to the

outside of the bowl with each cut. Once you get past the depth of the screw – leave the center wood for stability as you cleanup and finish the outside edges of the bowl. *Be sure not to catch the wings of the gouge on the wood left in the center of the bowl.*

Third bowl

This piece was similar in development but used to demonstrate a tendon that was internal and required expansion direction (as opposed to clamping direction).

Determine the minimum diameter of your chuck. It is mounted on the screw in the same manner as in the second bowl. Now mark the previously determined diameter on the bottom of the work piece.



Dirk uses a bowl gouge to create a recess for the chuck jaws. It is essential for the bottom of this recess to be FLAT as that flat area gives you the stability necessary for accurate mounting and a safe turning experience. Dirk has an old Allen wrench ground to work as a tool in order to get a good taper on the inside of the recess for the chuck to grab firmly as the jaws sit on the flat shelf previously established.

Fourth bowl

This was a piece of Russian olive with great grain. Dirk quickly established the interior and then showed us the two grinds that he uses and provided good visualization of the wings and tips of the 45 degree and 60 degree profiles he uses.



Dirk further covered how moving the tool rest inside the bowl to minimize the amount to tool over the tool test giving you better tool control. He also commented that if you were to use a gouge with a 45 degree grind instead of a 60 degree grind you risk the wings hitting the edge of the bowl as you are trying to ride the bevel.

Thank
You



The following is an email sent to Ken Quaschnik by his son during Hurricane Harvey. It gives us an insight to the incredible meaning of Duty, Honor and Country that is America. We thought you should share in it and be proud to be an American!

Dad and Karen

Tina and I are doing great, but there is a lot of people less fortunate than us that need a lot of help.

I'm so very proud to be a Texan!!! There is no talk of race, sexual orientation, Republican vs Democrat, what statue to tear down next, who to blame, what we're entitled to, etc., etc., etc.

Nothing here but people helping people. Strangers reaching out to strangers. The outpouring of love around here is indescribable. The shelters are busting at the seams with donations. People are leaving the comfort and safety of their own homes to put their lives on the line for the protection and safety of others. Plain citizens working along side trained professionals doing whatever it takes to keep people safe.

Humans are protecting other humans like their very own. We have come together as one big family in Texas and I wouldn't want to live anywhere else. I would expect nothing less from my fellow Texans and the rest of America could learn a lesson or two from us in Texas.

TEXAS - it's not just where we're from, it's who we are.

Phil Quaschnik
Sent from my iPhone

Shop Tip – Paul Snyder

Easy, Safe, Foolproof Way to Cut Glass Bottles

Please see Paul's shop tip at the end of the newsletter due to the length of the article.

Info Tip – Sam Sampedro

The Big Ugly Tool

While on the internet I stumbled across the Youtube videos of Reed Gray (aka Robo Hippy) who has an incredible number of woodturning videos. He is a great and skilled presenter of woodturning. A very interesting tool for woodturners is the BIG UGLY TOOL. Take a look for yourself at the following:

THE BIG UGLY TOOL

<https://www.youtube.com/watch?v=kJW9trv48UE>

MAKING THE BIG UGLY TOOL

<https://www.youtube.com/watch?v=orV-Oi5UsSo>

USING THE BIG UGLY TOOL

<https://www.youtube.com/watch?v=n4x8pZN6pNM>

Tips From The Past

Special Thanks

June 2014

Shop Tip – Tom Krajacich

Deodorant in Woodturning or "Painter's Pyramids"

Many of us get deodorant with the plastic internal protection cap or top. What do you do with this cap other than throw it in the trash? Don't overlook saving them for use as a type of painter's pyramid.

They are plastic and hold your natural edge bowls while finishing (see picture) and don't stick to the finished edge. They also nicely hold spindle turnings or anything that can sit on 3 or 4 (or more) of these tops. The best part of this simple shop tip is the fact that they are cheap and work well for this purpose. Happy Turning. Tom Krajacich



A very special thanks to **Quentin Kubas** for his generous donation of the drill press to our club. We appreciate it very much.

Club Officers

President: Sam Sampedro - 761-4145

Vice President: Roger Wayman - 460-0507

Treasurer: Chuck Kuether - 727-2442

Secretary: Dirk Johnson - 899-0728

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

Meeting Times: Tuesdays: 6:30 PM
Saturdays: 12:30 PM



Go Ahead, Make My Day



Thank you to our hosts, the *Great Falls Fire Department* for allowing our club to use their facilities.

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!

Instant Gallery

Instant Gallery Photos

(Great Photos by Paul and Kevin Snyder and Sam Sampedro)



Brian Severin



Brian Severin



Del Johnson



Chuck Kuether



Sam Sampedro



Brian Severin



Brian Severin



Dirk Johnson



Gary Campbell



Brian Severin



Brian Severin



Gary Campbell



Gary Campbell



Jay Eklund (Demo Piece)



Jay Eklund



Kent Holtz



Jay Eklund



Sam Sampedro



Kent Holtz



Brian Severin



Ben & Terry Hill (Russian Olive Burl)



Ben & Terry Hill (Russian Olive Burl)

Great Falls Woodturners Meetings/Demonstrations Schedule

September 23 **One Day Symposium: 9 AM – 4 PM**

October 3 Meeting and Demo – Paul Carlson

October 21 Demo – Tom Krajacich

November 7 Meeting and Demo – Wayne Petrini

November 18 Demo – Sam Sampedro

December 5 Meeting and Demo

December 16 Tag Team Bowl Turning II

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

Director's Meeting Schedule

September 20th 6:30 PM

October 18th 6:30 PM

November 15th 6:30 PM

December - No Director's Meeting

January 17th 6:30 PM

February 21st 6:30 PM