



Great Falls Woodturners Newsletter

www.gfturners.org

Volume 9, Number 5

December 2017



Dee and I wish you all a very Merry Christmas and a Happy, Healthy, and Prosperous New Year.

Christmas Ornaments and the Great Falls Children's Receiving Home

We had our 2017 Christmas Ornament contest and on Dec 5th we welcomed Carrie, Director of the Great Falls Children's Home to the meeting who was the Judge of the entered ornaments. Her daughter, Gracie, was the second member of the team.

Carrie and Gracie judged the entered ornaments and concluded that the members entries that were this years winners are:

- 1st Place – Dirk Johnson
- 2nd Place – Wayne Petrini
- 3rd Place – Don Taylor



Carrie and Daughter Gracie

On behalf of the club officers, we thank you all for your beautiful ornaments and your generosity in donating the ornaments to the Great Falls Children's Receiving Home.

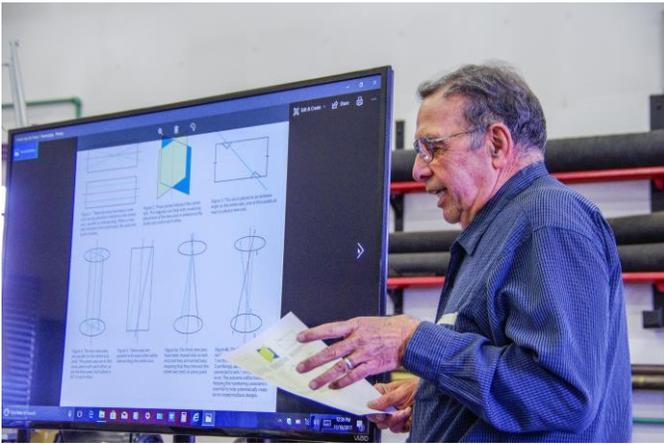
GREAT JOB!

Club Demonstrations

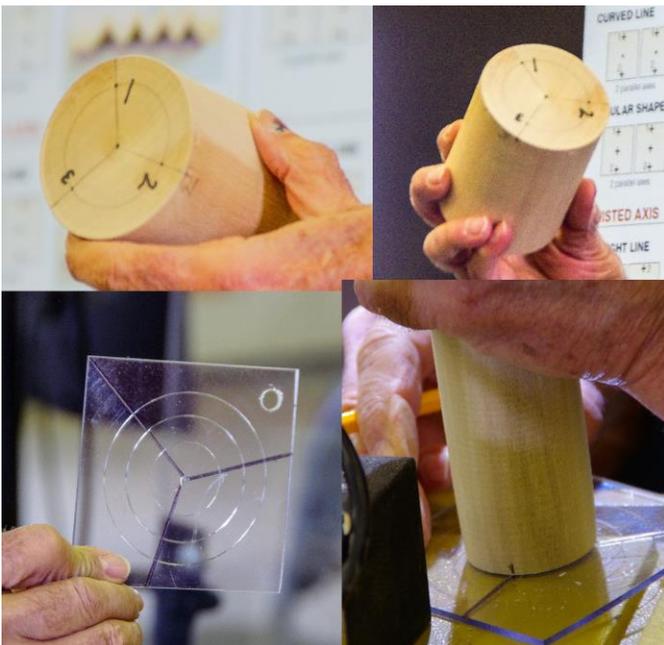
Sam Sampedro – Nov 18th

Multi-Axis Turning

Sam began the demo with a discussion on multi axis turning. Using a power point presentation, he went over the various aspects of multi axis. The slides used were sent out prior to the demo as a handout which included several documents.



He then demonstrated marking a three axis piece to be turned using a 120 degree template the he made to make the marking easier.



Mounting the piece using the 1 to 2, 2 to 3, and 3 to 1 method, he was able to make a three twist piece with a bead from the regular center axis.



He started the turning by making a decorative bead at the top of the piece.



Then he mounted the piece using axis 1 to 2 and started the first twist.



He continued to the remaining axis points resulting in three twists.



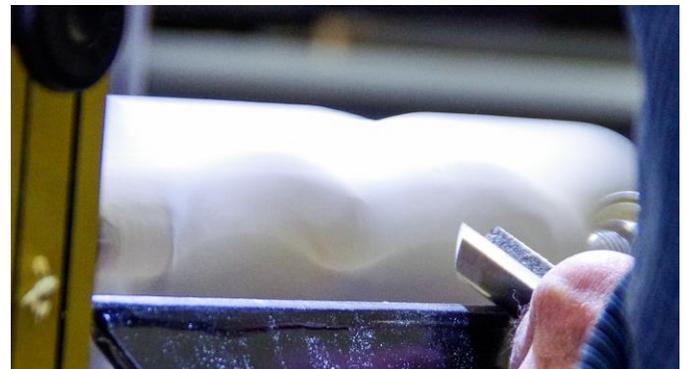
Once the three twists were complete, he then then remounted the piece using the center axis and created dowels on each end in order to later put on a base and an top to hold a T Light candle. Once that was done, he parted off the piece. Hand sanding would then be in order.



He then turned the piece creating two coves. He used a spindle roughing gouge on both demo pieces to make the twists and coves. To him using a good sharp spindle roughing gouge created a nice smooth cut minimizing sanding.



Once the coves were done, he then adjusted the mounting to the opposite axis and turned a bead.

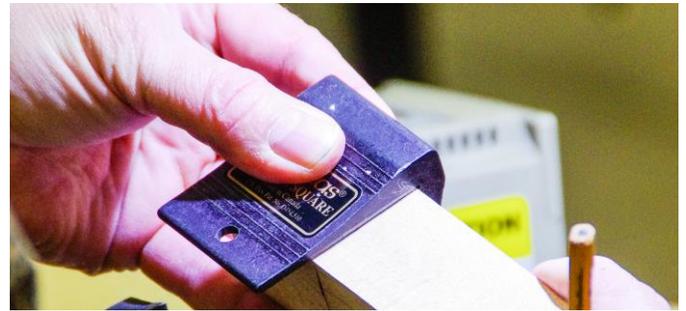


With the first part of the demo completed, Sam then showed marking a parallel axis and mounted the piece on the lathe.

Note that he experimented using a variable speed orbital sander to sand the pieces and it gave pretty good results



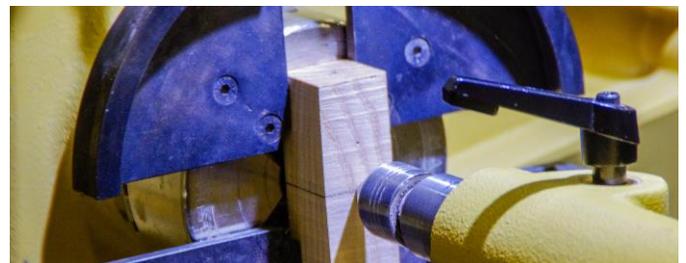
easier to mark the center of the recess on all four sides.



Mounting the piece between the jaws allows the piece to be centered. Coupled with a live center in the tail stock and aligning the saddle square marked point, it places the piece in the exact spot on all four sides. You can use large or small jaws depending on your blank size and YOUR comfort zone. Be sure to keep your calipers handy to measure the depth of the recess and have it consistent on all four sides.

Chuck Kuether – Dec 5th

Turning a Four Sided Recessed Christmas Ornament

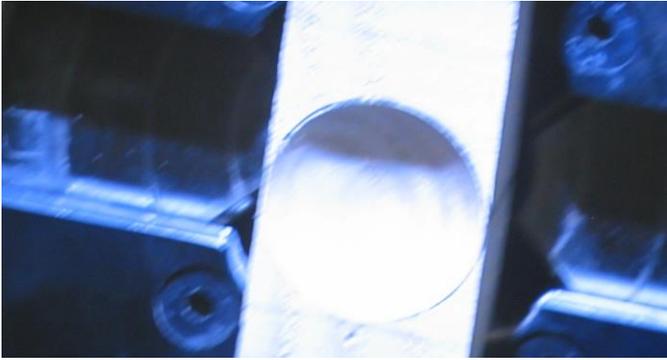


Using a large scraper with the tool rest higher than center and the scraper with the handle high than the scraper tip, make the recess. Set the caliper depth for use on the other three sides.

Chuck started the session with a discussion on making the four sided ornament. Take a turning blank of your desired size and mark the center of where the recess is to be made. He uses a saddle square which makes it



Once the depth of the recess is made, use the alignment procedure on the remaining three sides.



Now comes the Tom Sawyer part of the demo, Chuck got three members to come up and finish painting the fence. Paul Carlson, Randy Setzer and Wayne Petrini put the finishing touches on the recesses.



Randy Setzer



Paul Carlson



Wayne Petrini

With the recesses done, Chuck then mounted the piece between centers and rough turned each end with about a 1/2" dowel and then shaped the remainder of the ornament. He shaped the bottom of the piece with a finial and mounted

the piece in his Rube Goldberg live center which is:

Hardened Morse Taper Shank with a soft, machineable "blank" end.



Available at:

<http://www.victornet.com/alphabetic/Arbors-Morse-Taper-to-Blank-End/1370.html>

He drilled a hole in the black end and inserted a bearing which allows the finial to spin and complete it.

NOTE: The audience made us aware that Rubber Chucky also has a finial type live center.



Finial Chucky

Available at:

https://www.rubberchucky.com/store/c1/Featured_Products.html



He completed the ornament, including sanding, and passed it around.

The completed ornament:



You can choose your method of coloring using dyes or Sharpe pens. When putting on sanding sealer, the color may move if it's a lacquer based finish. Chuck said that using Wipe on Poly or Poly in general seems to eliminate any effect on the color.

Thanks Chuck for another EXCELLENT demo. You gave us another of your in depth demos.

Editors Note: Chuck feels his major accomplishment of the demo was that three club members joined him in the process which is a flash back to when the club was first formed.

 **THANK YOU!**

TIPS

available and it also moves away from the lathe and doesn't get covered in shavings.

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

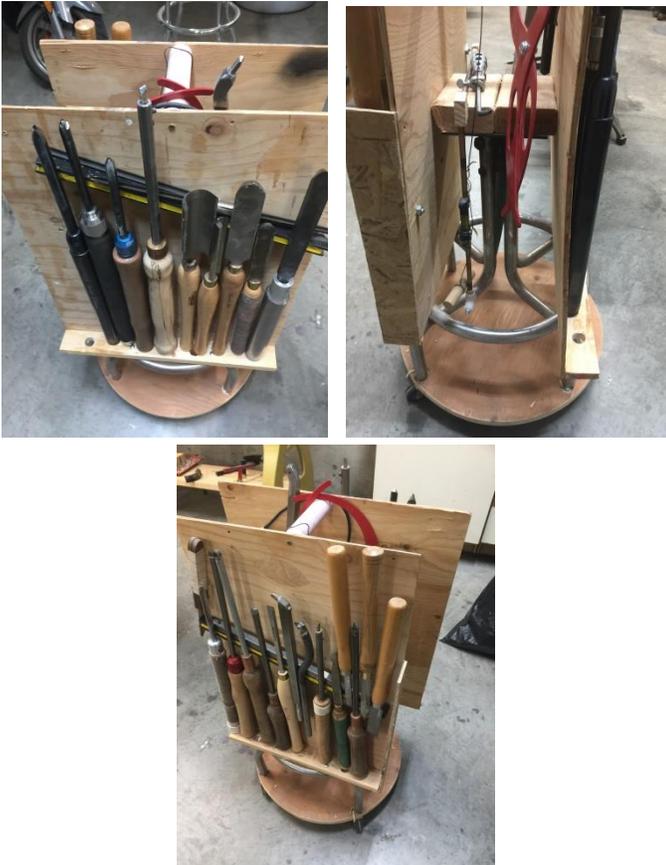
Meeting Location: Great Falls Fire Training Station
1900 9th Ave South
Great Falls, MT 59405

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

Shop Tip – Dirk Johnson

Tool Caddy



Here is a simple tool caddy that I built out of an old stool. As the pictures show it consists of a round wood disc with four casters as the mobile base. The casters were placed to meet up with the bottom of the stool legs so the bolt would help hold the “stool” in place. I then used some cheap plywood and a couple 2x4 scraps to make the “holder” portion as seen in the photos. I then mounted the magnetic holders at an angle on each side to hold taller to shorter tools. It works great as every tool is easily



Instant Gallery

Instant Gallery Photos

(Photos by Paul Snyder and Sam Sampedro)

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



Sam Sampedro (Demo piece with three axis points)

THE GOOD WOOD GUYS Th

e 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!



Sam Sampedro (Demo pieces and examples of axis turning)



Paul Snyder



Ken Quaschnik



Gary Campbell



Paul Carlson



Wayne Petrini



Gary Campbell



Gary Campbell



Wayne Petrini (This is the finished bowl that Wayne did the demo on Nov 7)



Wayne Petrini



Terry and Ben Hill



Terry and Ben Hill



Paul Snyder

Great Falls Woodturners Meetings/Demonstrations Schedule

- Dec 16** Tag Team Bowl Turning II
- Jan 2** Meeting and Demo – Dirk Johnson
- Jan 20** Rough Turning the Club Bowl
- Feb 6** Meeting – Bringing in the Feature Ring Blocks and creating the Feature Ring
- Feb 24** Demo – Turning the Club Bowl
(This is the 4th Saturday due to Fire Training Station business commitments)
- Mar 6** Meeting and Demo
- Mar 24** Fire Fighters Learn to Turn
- Apr 3** Meeting and Demo – Paul Carlson
- Apr 21** Demo – This is the Kai Muenzer Symposium that will run from 9:00 AM to 4:00 PM and will cover two different demonstrations
- May 1** Meeting and Demo – Wayne Petrini
- May 19** Demo - Sam Sampedro
- Jun 5** Meeting and Demo – Jay Eklund
- Jun 16** Demo
- Jul 3** Meeting and Demo
- Jul 21** Demo
- Aug 7** Elections, Meeting and Demo
- Aug 18** Club Picnic

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

Director's Meeting Schedule

December - No Director's Meeting

January 17th 6:30 PM

February 21st 6:30 PM

March 21st 6:30 PM

April 18th 6:30 PM

May 16th 6:30 PM

June 20th 6:30 PM

July 18th 6:30 PM

Centerfinder and Trammel in One



Here's one simple jig that does the work of two. Use it to locate the center of round stock, or use the increment holes to mark different sizes of circles and arcs.

Cut the body to the size and shape noted on the drawing at right from 3/4" stock. Using a hacksaw, crosscut a piece of 1/8x1" aluminum bar stock to 12" in length for the blade. Mark the screw hole center points and increment hole center points on the blade, where dimensioned on the Hole Location Detail. Using your drill press, drill three countersunk screw holes through the blade. Then drill the increment holes and the pivot hole. Drilling through the aluminum will create rough surfaces, so sand the aluminum smooth with 220-grit sandpaper.

Use a square to position the blade perpendicular to the end of the body at the apex of the V-shaped notch. Using the screw holes in the blade as guides, drill pilot holes into the wood body. Screw the two pieces together.

Using the tool

To find the center of round stock, such as the bowl blank shown above, rotate the body of the tool around the diameter of the stock and mark a pair of roughly perpendicular intersecting lines as shown. The intersection marks the center point.

To use as a trammel, fit an awl, nail, or other pointed object through the pivot hole in the body and blade. Using one of the previously drilled increment holes in the bar, rotate the tool around the trammel pivot point to mark a circle or arc, *as shown, at right.*

If you like this project, please check out more than 1,000 shop-proven paper and downloadable woodworking project plans in the WOOD Store.

