

ONE GOOD TURN

Meetings: First Tuesday of the Month 6:30PM Demos: Third Saturday 12:30PM

Great Falls Fire Training Station 1900 9th Street South Great Falls MT

Beads of Courage

Thanks to all who made boxes for the Beads of Courage program. This will be an ongoing program because it is for such an important cause. Members are encouraged to make a box or boxes to donate

Due to sewer issues at one of the Fire Stations, our meeting space is taken up with fire equipment.

Due to CoVid-19, club meetings are suspended until further notice.

Our Thanks to Gt Falls Fire



Great Falls Fire Department

The Great Falls Woodturners Club would like to express its appreciation to the Great Falls Fire Department for their support to our club. It is through their support of our club that we have had stability and a place to call 'home'. Recently a situation arose that would have meant our club removing all of its equipment due to extenuating circumstances. The Department put their heads together and devised a solution to move the equipment within the

facility. Not only did they devise a plan, but the Firefighters on duty pitched in and moved the equipment for the club. We thank those Firefighters and especially Dirk Johnson for coordinating all the steps along the way. We deeply appreciate all that you have done for us.

On behalf of all the members,
THANKS!!!!



Here is an excellent way to keep a handle upright while you glue in the metal tool to the handle. Thanks Randy.

With some time to catch up on some reading, Camille Good sent the following highlights from her magazines which should be of interest to the club.

Woodturning 338, December 2019

- "The importance of long honed bevels in spindle work" by Emie Conover was a very educational article about sharpening tools. It included a listing of a number sharpening systems, like Arkansas stone, India stone, ceramic, leather strop, and others, with some pros and cons of each system. The article also had some advice on how to buff an edge and the two different types of muslin buffing wheels.

- "Prepare for first aid before you need it" by Geoffrey Laycock was a short one-page article with a list of first aid items he thought should be in every shop.

Woodturning 339, Winter 2019

- "What I want for Christmas" by Geoffrey Laycock was an article about fire extinguishers. He said they are more difficult to get (and he's based in the UK, so I haven't checked on how to get them here in the US), but he recommended water spray or foam extinguishers for a woodturning shop because CO2 extinguishers are likely to blow any wood shavings and sawdust all around, which might not be great; and powder fire extinguishers cause such a mess he worries someone will be so reluctant to use it they'll wait too long. Yes, water and foam are not great with electrical equipment but he thought that if there's a fire you should be turning off the equipment as soon as you can anyway.

- "Maintaining carbide-tipped tools" by Mark Palma is exactly what it says, tips for maintaining and honing tools tipped with carbide inserts.

Woodturning 340, February 2020

- "Split-turned sculptural vase" by Mark Sanger has an interesting technique to create an oval profile for a turned item: create a 3-piece blank with paper in between each layer so they can be split apart later, and treat the middle layer as waste wood. So the item gets turned with a cylindrical profile, then the layers are split apart and the two outer layers are glued back together with the middle layer left out. It sounds like the clamping can be a bit finicky and care must be taken that the layers to be glued together at the end have flat surfaces along the entire lengths to be glued together.

American Woodturner December 2019
Vol 34 No 6

- Under "Association News," there was a brief notice that AAW Grants are available for individuals and chapters. They are awarded annually. I don't know of anything the club needs right now, but it was interesting to see that they are available.

- "Evolution of the Side-Grind Gouge" by David Ellsworth is a detailed discussion about the grinding and use of a non-traditional gouge design that he uses.

- "The Basics of Workholding" by Dennis Belcher was an article about all different types of chucks for holding work for woodturning. Probably most of the experienced club members will already know all this, but for someone relatively new like me, it was nice to see multiple different types discussed all together in one place.

- No idea if anyone in the club uses airbrushing to decorate their pieces, but if they do, "The Airbrush Demystified" by Joe Fleming was all about how to buy, set up, and use an airbrush.

- "Fifty-Eight Generations of Woodturners" by Terry Martin was a long article about woodturning in Japan and the author's visit to a region that was historically known for its woodturning. The history was very interesting, but hard to summarize in a few sentences (and it's also a bit melancholy, most of the remaining woodturners in that area are older, the villages are shrinking drastically, and not many in the younger generation are interested). On a technical level, it was interesting to read that in the past many of the woodturners used small portable reciprocating lathes that were powered by an assistant turning the lathe by pulling on ropes wrapped around the lathe shaft.

American Woodturner February 2020 Vol 35 No 1

- Under "Association News," AAW has redone their website to allow members to add much more information to their profile for the AAW, better search capabilities, and a directory to look up regional symposia and craft schools.

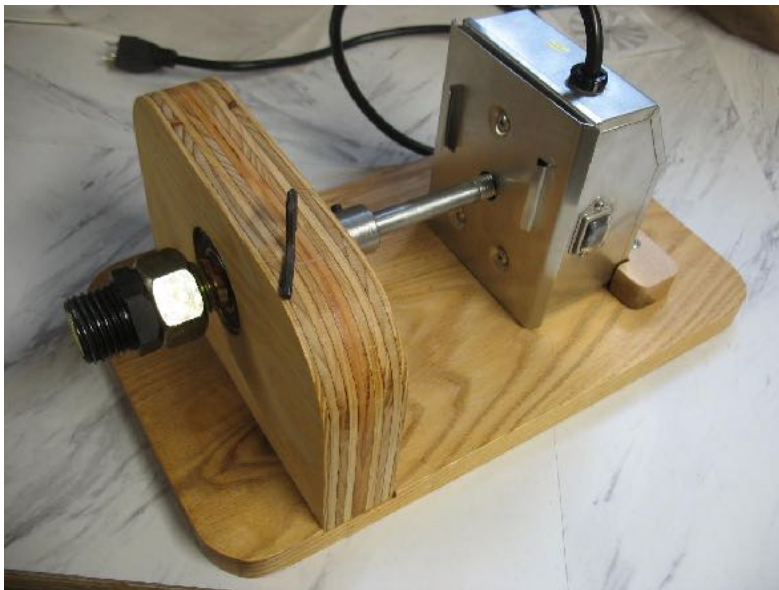
- "Mission Trip Employ Solar-Powered Lathes" by Michael Brolly was a one-page article about making solar-powered lathes with solar panels, deep-cycle marine batteries as energy storage, and a battery powered drill as the lathe. It wasn't very powerful, but it can be used to make pens.

- "Special Series: What Aches? Common Ailment Affecting the Woodturner - Neck Pain" by Rich Foa is part of a series and this article focuses on neck pain, what might cause it, case studies, possible therapies, some exercises and stretches to help maintain neck mobility, and how to set up your shop and do your turning in a way that hopefully might reduce neck pain. The causes can range all the way from pulled muscles and inflammation, to

pinched nerves, to herniated disks. In severe cases, pinched nerves and herniated disks can cause problems with grip strength, so it may also be necessary to change tool handles.

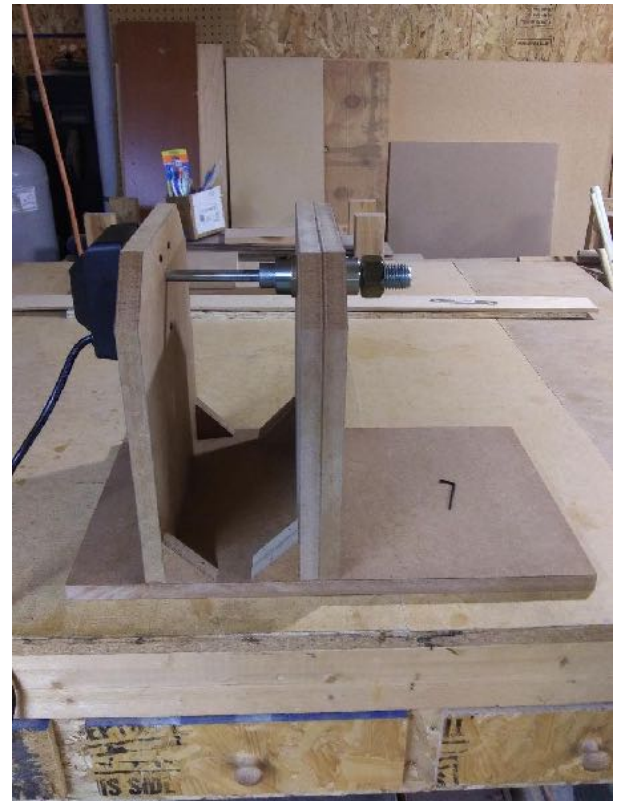
- "The Big Churn" by Keith Gotschall is about turning a very large wooden handles for an ice cream shop made up to look like an old ice cream churn. In addition to the logistics and the huge size of the items, there's an interesting side note about setting lathe speeds not by revolutions per minute (RPM) but by surface feet per minute (SFM). The second method requires some math to figure out how fast the outer surface is moving, but Gotschall uses that to determine lathe settings for large projects.

Another version of a Bowl Finisher



Here is Sam's dryer/finisher. Sam's finisher works great but I decided to alter Sam's approach to suit my needs. First probably because I can never leave well enough alone and I like tinkering. Sam's

finisher clamps to the edge of a table and the bowl sticks out over the edge to finish it. I decided I wanted mine to be free standing so I had the ability to use any where I choose. Sam had the assistance of a machinist to help bore the holes and press the bearing on the shaft. I wanted to try to do everything in my shop and didn't think I could achieve the precision of a machinist.



I chose to use MDF for no better reason than I had a sheet that I had no other purpose for at this time. I knew my finisher had to have enough weight to support the bowl and not fall over so it had to be somewhat bigger than Sam's. It had to be taller also since I didn't plan to have the bowl hang over the edge of the table. My lathe has a 18" swing so I bored the center of the hole 10" above the base. I doubled the upright that

houses the bearings for strength and support and I thought I would have a better chance of aligning the shaft.



Parts:

I decided to use bronze bushings as my bearings. My reasoning - the finisher turns very slowly and really doesn't need ball bearings and they would be easier for me to install and saw dust or chips would not bother them. Since the bearings Sam used were pressed on to the shaft the bearing would lock the shaft in place but mine would be able to slide or drift through the bronze bearings I used lock collars to keep the shaft in place. I used a 1" bolt with 1" x 8 TPI to match my chuck. I used a 1/2" bolt for the shaft that attaches to the barbeque turner. It took quite a bit of grinding to

get the bolt shaped to fit the square hole in the barbeque turner. A 3/8" bolt might have saved me some work.

I bought the bronze bushings and lock collars at Bearing Sales at 511 4th Ave South. 761-6915. They didn't have them on hand but got them the next day. The bronze bushings are part number SF-3244-12 they cost \$5.23 each. The set screw collars are part number SC 100 and cost \$2.45 each.

I bought the 1" bolt at Fleet Supply. I looked at North 40 but they only had 1" bolts in grade 5. You'll want to make sure to get a grade 2 bolt as a grade 5 will be much harder to drill.

I put a set screw in the 1" shaft where the 1/2" shaft fits in. You need to be able to turn the bowl easily when you are applying finish and the barbeque turner won't allow that so you need to be able to "disconnect" it. When you tighten the set screw into the 1/2" shaft make sure you do so lightly or you will scar the shaft and it won't allow that shaft to turn easily.

Have fun building yours while we are all social distancing!

Randy Setzer



Started to make a vase from locust about 6" long when 2" took off so now it will be a bell when finished.

New Shop for Paul Carlson

I have moved into a new shop and am still unpacking boxes. My wife and I bought a different house that had two garages, moved in November. Trying put a shop together and it is driving me nuts. Start doing something but need another tool, etc, so go looking for it in the boxes

then find something else that need doing and forget about what I started in first place, never ending.



New tool rack behind the lathe.

Hope get done by summer.



Instant Gallery



Sam Sampedro



Sam Sampedro



Sam Sampedro



Sam Sampedro



Sam Sampedro



Sam Sampedro

Thanks to all who contributed to this months newsletter:

Sam Sampedro
Chuck Kuether
Randy Setzer
Camille Good
Paul Carlson

We are all affected by the the current virus situation. Keep an open mind, make some shavings, and hug your loved ones often.

Great Falls Woodturners Directors

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Vice President: Randy Setzer - 453-5226

Treasurer: Chuck Kuether - 727-2442

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