

ONE GOOD TURN

Meetings: Odd Months Second Tuesday 6:30 pm Dan Hershberger Shop

Even Months Second Saturday 12:30

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

April Club Meeting

GFWT Powder Coating Demo 4/9/2022

The GFWT club held its Saturday meeting on 4/9/2022 at Dan Hershberger's shop with 12 people in attendance. Harry Boughton was the presenter/demonstrator who showed the GFWT club members a non-wood turning project. This involved his interest and hobby in Cowboy action shooting and shooting in general. The demo was of powder coating lead cast bullets that he makes so that no lube is needed, and the lead doesn't foul the bore of his weapons. This produces a polymer or plastic coating, so it is not a wax. He first self-casts lead



Therefore, he prefers the Eastwood product. He used light blue for our demo and noted that he had bought a 1# sack over 1 ½ years ago and only has used about a ¼# of it. He talked about how he uses a sealed container that you can cover and shake vigorously for at least one minute to coat these lead bullets. The shaking of the container produces an "electrostatic charge," so that he



doesn't use an electrostatic sprayer to coat the objects. He did say that Harbor Freight sells an electrostatic sprayer for about \$80 for larger objects but that then requires a respirator for protection. The plastic container he uses has a handle on it for convenience while shaking. The experts recommend a plastic container that has the #5 recycling mark on the bottom, but he's not sure how critical that is. Once the bullets were shaken and coated, he shakes off the additional loose powder with a homemade strainer made of metal hardware cloth. The loose shaken off powder is then put back into the sack for future use. He then puts the covered bullets out on a covered tray

that came with his Walmart toaster oven (\$40). Once used for this purpose, the oven cannot be used for food preparation or another purpose. He covers the oven tray with a sheet of "Yoshi copper grill and bake mats" that he obtains from the dollar store so that the oven tray doesn't need to



be cleaned, and can be used repeatedly even with other colors etc. He also uses a simple cooling rack to set the oven tray on to facilitate the cooling of these bullets after baking. The baking process was described as setting the oven temperature to 250 degrees for 20 minutes. Some experts recommend 400 degrees for 20 minutes, but Harry hasn't found that to be necessary for his bullet coating procedure. He notes that he learned of this bullet coating and powder coating by watching You Tube videos and discussing this with other shooting enthusiasts. Once out of the oven he checks the temperature of the coated and heated bullets with an infra-red thermometer that he obtained at Harbor Freight to make

sure they have reached the 250-degree setting temperature. Once out oven the bullets quickly cool and he doesn't quench them in water as some people do. It was impressive to see how quickly these bullets cooled down in just room air. Once cooled, for testing of the hardness of the powder coating he uses a "smash



very enjoyable demonstration. I should note that Harry had asked the club a month ago if this would be an acceptable and interesting demo for the club. We are so glad that he presented this hobby activity to the club, it was terrific education and very enjoyable. Thanks Harry.

Tom Krajacich, Pres. GFWT

Test." This involves hitting the covered bullets with a hammer while they sit on an anvil or metal plate until flattened. He does hold the bullets with a needle nose pliers for this hammer test. No fingers were injured for this demo 😊 He looks for cracking in the powder coating, but amazingly none was observed as the powder coating was firmly attached to these bullets. He notes no fouling of the rifling in his weapons upon shooting. This was a non-traditional demonstration for the woodturning club, but extremely educational and



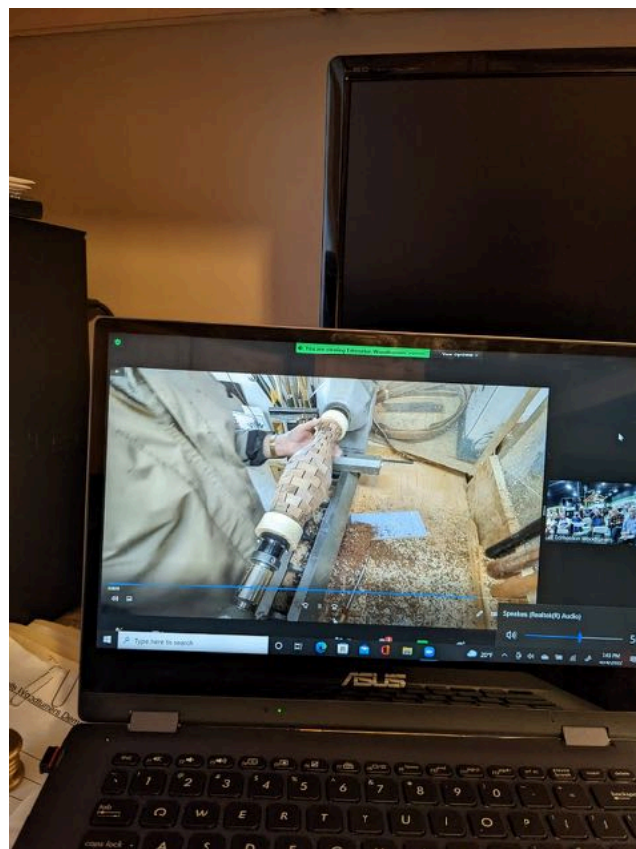
Edmonton Woodturners Demo

The Edmonton Woodturning Guild (EWG) invited the other 3 Canadian Guilds and the Great Falls Woodturning Club (GFWT) to a hybrid meeting/video demonstration on 4/14/2022. They were meeting for the first time in a long time due to the pandemic at the Canadian Woodworker store, while also doing a Zoom meeting of this in-store meeting. They had about 15 people in the store and 15 people out on Zoom including 2 members of the GFWT club. After a general

become the open segment. Depending on if you are making a vase utilizing a single kerf cut with only one size open segment. However, with a bowl you have a flair as you stack your segmented rings requiring a Daddo stack blade of anywhere from $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " for the increasing size of the open segment. He makes these simple sleds/jigs with plywood and a push upright for cutting his segments. He puts sandpaper down on the sled to help hold his segmented rings in place for cutting. He realized that trying to match up open rings was difficult, so he makes two segmented rings, one of the woods he wants the project to have, and the other one of the same sizes out of waste wood. He notes that his waste wood is spruce. He glues up both segmented rings, and then stacks and glues them together. He then takes the glue stacked rings and places



meeting, they had one of their members, Bob Schoepp, show a video he had made about his process of making an open segmented vase or bowl using a simple method. This method incorporates a table saw and a simple jig/sled to make kerf cuts that will



them on his jig/sled for cutting at the segment joints but only cuts the desired wood ring and leaves the waste wood ring intact to hold the segmented ring for gluing into his project. This produces a kerf cut through the desired wood ring while still holding these pieces in place. This produces the opening in the ring. He then glues this ring onto his project and once the glue is dry, he turns away the waste wood using a gouge and finishing with an 80-grit sanding board/plate. He then turns the project shaping and precisely sizing both the outside and inside diameters. He then proceeds to make additional rings. Once he completes his project he then sands and finishes it. Then he turns away the bottom and top waste blocks finishing those as he takes it off the lathe. I know that this write up might sound confusing, but Bob kindly made the 44-minute video, and it is available for viewing through the EWG YouTube channel <https://youtube.be/oqTvTPBEnxs>. His video is well done and not confusing, like my write-up. If you are interested in an open segmented project, give it a look. We appreciate our Canadian neighbors' invitations.

Tom Krajacich, Pres. GFWT

Every Woodturner's Nightmare

Today while I was pondering this newsletter, I received an e-mail where one the worst things that can happen to a woodturner- happened. Club member Paul Synder was working on a project when the piece of wood separated and the largest chunk went flying.

This is why we constantly hear safety concerns and that EVERY turner should take precautions and at least wear eye protection and a face shield. Every piece of wood we mount on the lathe has the capability of flying off the lathe if either it is mounted improperly or the wood is not structurally sound.

This piece of wood showed no signs of shakes or splits other than a small white line but it was a weak piece of wood. Thankfully Paul (and his shop walls) are OK.





Next Club Meeting

The next meeting will be held Tues May 10 2022 at 6:30 pm. Our esteemed president Tom Krajacich will demonstrate making a homemade chatter tool.

Instant Gallery



Terry Hill



Tom Krajacich

Thanks

Our thanks to all the Canadian Woodturners Guilds for inviting the Great Falls Woodturners to be a part of their IRD's and their sawdust sessions and zoom meetings

Thanks to this months contributors,
Tom Krajacich and Paul Snyder,

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