



Meeting: May 11, 2024

Attendees: 32 members (2 New), 3 guests

Time: 9:01AM

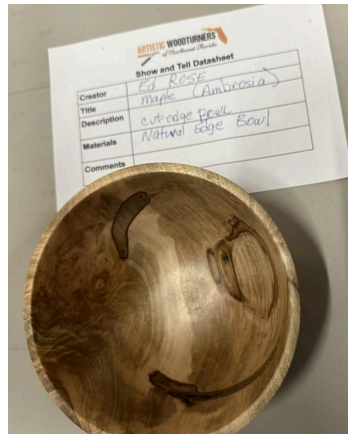
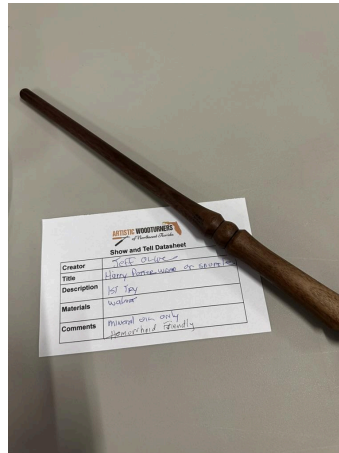
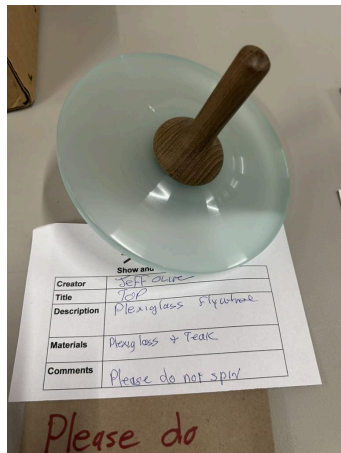
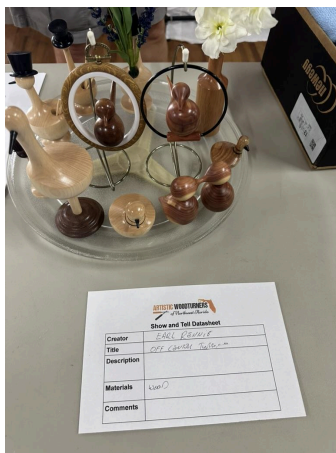
Chair: Dick Johns, Vice President

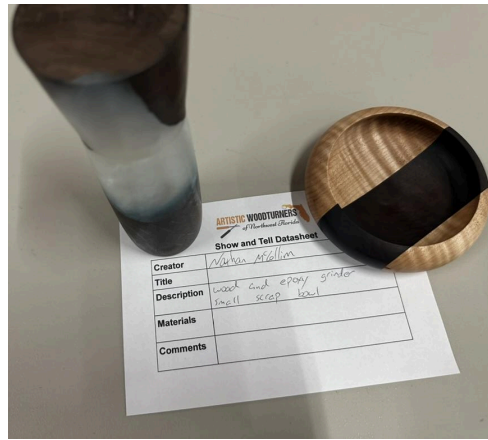
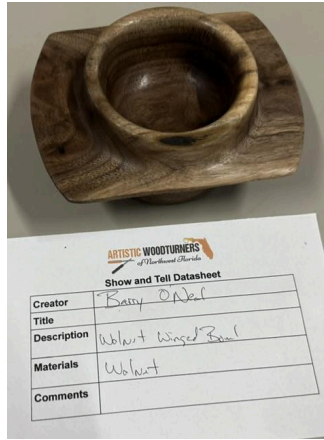
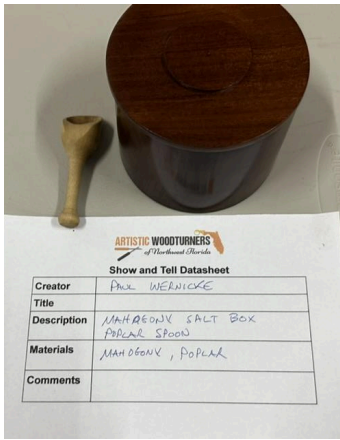
Business:

Dick said that we'd be having a live demonstration today with Ed Rose teaching us about sharpening. Next month we'll have a sawdust session.

Bruce mentioned that he'd be happy to include a member's for sale items and notifications in the meeting minutes that will be sent to the entire membership.

Show and Tell





Earl Rennie: Showed a large group of off-center turnings. The kissing lovebirds come together with tiny magnets. There was a top hatted toothpick duck. Earl has prepared drawings of off-center techniques and some of the forms that he has created that will be posted to the club website



Jeff Olive: Turned a plexiglass and Teak top that spins mightily. He made a Black Walnut Harry Potter wand straight and a Zebrawood one with more character. The plex was turned on the lathe. It was polished with stainless steel polish.

Bruce Pelton: Showed a natural-edge Cherry Bowl that is in process. Ed Rose has been tutoring him.

Al McCoy: Al didn't think he'd be able to make a form like this basket illusion but after a demo from Harvey Meyer he went ahead and did so. It is Sycamore and Zebrawood.



Ed Rose: The first bowl was made of Maple with a wipe-on Poly finish. The second came from the same tree made from Ambrosia Maple (infected by the Ambrosia Beetle). Often the beetle makes a hole coming and out. The larger piece is a natural edge bowl from another piece of Ambrosia Maple. He said it's best to cut and turn in the Wintertime. Ed preserves the bark by first treating it with a really thin CA Glue and soaking it on the bark only. He uses wipe-on Poly and Bartley's Gel which he buffs- very carefully on a natural edge. He turns wet at about 15% moisture. He has started at 25% and let it dry somewhat on the lathe or counter.



Paul Warnake : Is in the process of joining the club. He made this salt box for his sister-in-law out of Mahogany that cured in the attic for six or seven years. A glued in metal pin makes a pivot. Two coats of Shellac and paste wax. Spoon is Poplar shaped by parting tool and sander. Ed suggested a magnet latch.

Barry ONeal: This Walnut winged bowl formed from a log and finished with friction polish

Nathan McCollim: Bowl came from scraps of laminated wood turned with a glued block. The grinder is Epoxy and an unknown wood.



Alex Webster: Leland and he rescued some Magnolia scrap pieces from a neighbor. He cured them for a month stump side down. Six months after that he cut the blank and coated it with 50/50 wood glue and water and cured it in a bag of shavings. The spalting resulted. Bowl is from the crotch. Johnson Paste Wax finish.

Leland Leonard: Leland showed us some of his Marquetry. The top one was entitled “Let’s Do Lunch- No Time for Desert”. The geometric one is made of various scraps. The frame on the “Dinosaw” one is Canary Wood. The frame on the geometric one is Bacote, Maple, Poplar and Mahogany. Finish is two coats of Epoxy and oversprayed with Conversion Varnish.



Auction

Ed Rose and Neil McWilliams teamed up on the auction while Steve counted the money coming into the club. The auction provides more funds for the club than any other source.

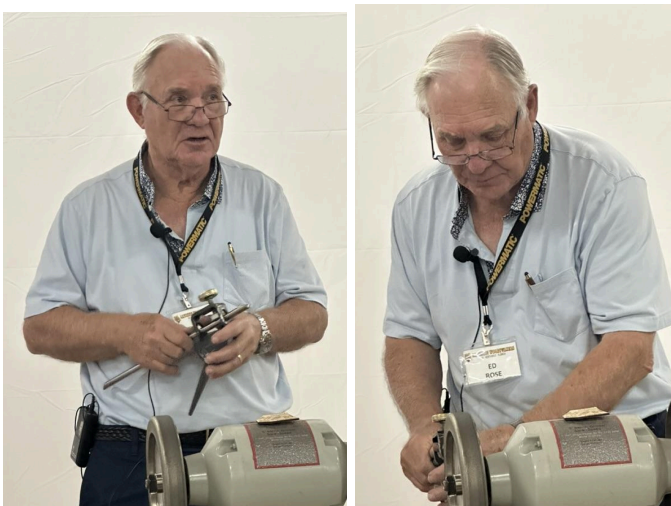
Demonstration: Ed Rose - Tool Sharpening



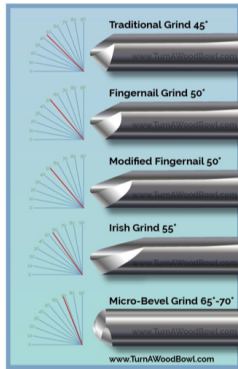
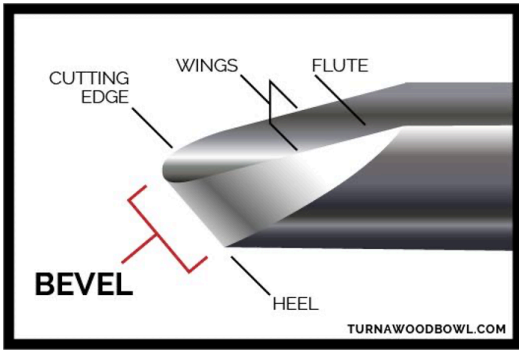
Ed said that there is a lot of controversy surrounding sharpening but all agree that it is one of the largest parts of successful woodturning. Immediately there was a question regarding the differences in tool steels. Ed agreed that the fewer the sparks given off during the sharpening process likely the harder the steel. Earl brought his Kodiak MAX system from Woodturner's Wonders. If you have a sharpener and 8 inch CBN (Cubic Boron Nitride) wheels the base system is \$450. A complete ½ HP system with wheels is \$940. Link below. Earl has three other systems but prefers this one.

The Wolverine system is the most used system and probably constitutes 80% of the market. The basic system is less than \$100 and a complete set with all jigs is less than \$175. All less the grinder. The grinder in ½ HP low speed is about \$150. Grinders usually come with white wheels but they are not as desirable and may be dangerous. The CBN wheels are much more preferred and run from \$100 to \$200 apiece. The best setup has an 80 Grit and a 240 Grit wheel. They will likely last as long as we will. The full setup will run about \$500+.

Another reminder that white wheels wear down and end up being different sizes. CBN's also don't need to be trued or resurfaced.



Ed showed the VariGrind holder which he'll use for the demo. These are the VariGrind 1 version. Ed does not like or use the VariGrind 2.



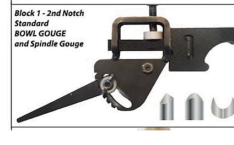
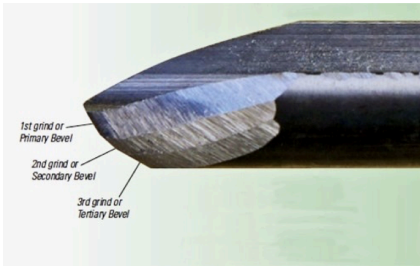
Ed showed the various areas of the bowl gouge. These are common to all grinds. One of the key differences is in the bevel grind which typically runs from 40 degrees to as much as 70 degrees. The other significant variation is in the sweep back. The most basic gouge is the so-called 40 40 which has a 40 degree bevel and a 40 degree sweep.



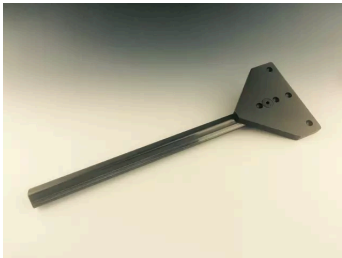
Ed showed us how to measure the bevel angle. He said that consistency is more important than choosing one that is 4 or 5 degrees from one of the ideals. The steeper face of the lower angle bevels allow the turner to get deeper in the bowl before hitting the wings. Such gouges are also called bottom feeders. The gouge size in the US is based on the shaft diameter while the Europeans measure across across the flute.



Ed showed that his gouges are unhandled. Some are single ended and some double ended. All are less costly than handle tools because you only have to buy a single handle for all your tools. They also have advantages in ease of transport and, most importantly, a double ended tool can be flipped around to present a newly sharpened tool without taking time and motion to the grinder. Also a double ended tool allows us to have different grinds readily available if sharpened in that way.



The Irish grind or Ellsworth grind is one of the most popular ones today. It has a large cutting surface and is very efficient without being grabby. In the image you can see that secondary and tertiary bevels are created to remove heel areas that cause catches and pack down areas adjacent to the area that was trimmed. The pressure from an untrimmed bevel can cause dents that won't sand out.



The VariGrind jig is set at the proper angle. In this case it is one notch from the bottommost one. The Ron Brown setup block number two is then secured in the VariGrind and the Oneway holder are moved until both edges of the setup block touch the wheel. The assembly is locked at that distance. The setup jig is removed and the gouge is mounted with a two inch extension of the gouge from the edge of the VariGrind.

The VariGrind is then placed in the rearmost hole of the JoHannes Michelsen Vector Grind fixture closest to the operator. The edge is marked with a marker pen and the operator checks to be sure that it is ground off evenly. It is repositioned if it removes the marker unevenly. Earl's design is posted below as is the link to Hannes Tool.

Ed demonstrated honing but reminded everyone that the burr does most of the cutting. He suggested that the flat hone could be used for quick sharpening while working. He also showed negative rake scrapers and told us that many feel that you can live without a negative rake scraper by holding a skew at a descending angle. They can be sharpened on the platform. Both sides are ground. The included angle of both should not exceed 90 degrees in any case,

Another negative rake scraper produced by D-way tools



He sharpened a spindle roughing gouge by rolling it on the platform resting against the wheel. It was marked with a marking pen like the others to validate the angle..

Ed sharpened a tool for Tom and we saw all the sparks from cheap Chinese steel.

Ed mentioned SlickStick lubricant for the grinding wheels, bandsaw blades and lathe ways.

Sources:

Oneway-Wolverine Sharpening with Setup Block and VARI-GRIND Jig - Amazon

https://www.googleadservices.com/pagead/aclk?sa=L&ai=DChcSEwid7pqJ5YqGAXUAsVoFHxcBBLgYABAKGgJ2dO&ase=2&glid=CjwKCAjw9IayBhBJEiwAVuc3fs7Mc_IBIIRnl4N9RsBPRMzJPWrcVK4KkgmIK-tkaFEfy2_TGSrP9hoCqKAQAvD_BwE&ei=Ix1CZpO_NMzskvQPzpyd2Ag&ohost=www.google.com&cid=CAESV-D2CuVs9yYqDD1zY_KbWT_5tOjAiuGN04GXIWw-ZY2oOPnhD80IVW9V4Z1SQW1bVXZO1BffrMbQu9q-QeaaxnK_p4hd4OyNmtUc3pd2htcwOoUSY4YnkQ&sig=AOD64_2sOGLrZFqRI-90t_9ASVih5IMSAO&ctype=5&q=&nis=4&sqi=2&ved=2ahUKewjT3JGJ5YqGAXVMtoQIHU5OB4sO9aACKAB6BAgBED0&adurl=



Ron Brown's Best:

<https://longworthchuck.com/>

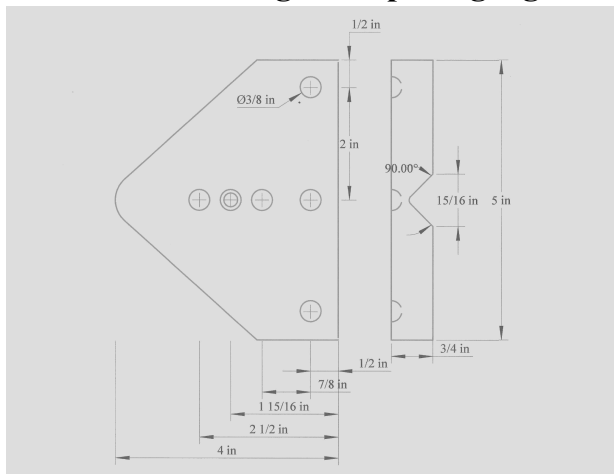
Ron Brown will give a 5% discount to club members on anything that is not already on sale. Call him directly at (770) 962-3821 to order with the discount. Two sale items that include much of what Ed showed today are:

- 1) [Master Sharpening Kit](#) - Use With OneWay Wolverine Sharpening Jig or Equivalent Calibrated For Use With 8" Grinding Wheels ..Just about everything
Sale price \$129.99 Regular price \$149.92
- 2) [Quick Sharpening Kit](#) – Universal, Quad, Gouge Setup Blocks Regular price \$68.77 – Sale price \$49.99

Long Island Woodworking Oneway double-ended 1/2" Bowl Gouge

<https://longislandwoodworkingsupply.com/products/copy-of-turning-mastercut-1-2-double-ended-bowl-gouge-unhandled-by-oneway>

Earl Rennie's Gouge Sharpening Jig

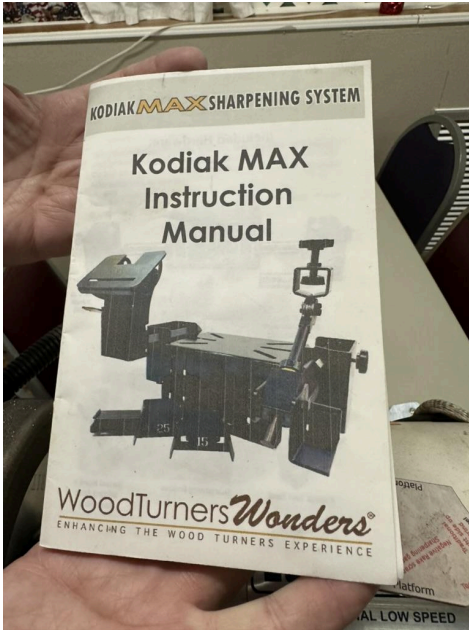


Woodturners Wonders

Slick Stick- \$12.95 per stick + \$4.25 Shipping @ Wood Turners Wonders



<https://woodturnerswonders.com/products/wonder-slick-stick?variant=35847950434471>



\$935.99 plus shipping

https://woodturnerswonders.com/collections/kodiak-sharpening-system?gad_source=1&gclid=CjwKCAjw9IayBhBJEiwAVuc3fjluCmzcnonsO0bPQsBAHfWm3zrm0rEoLFraLrp0v6baZdyxy1naFBoCyZYQAvD_BwE

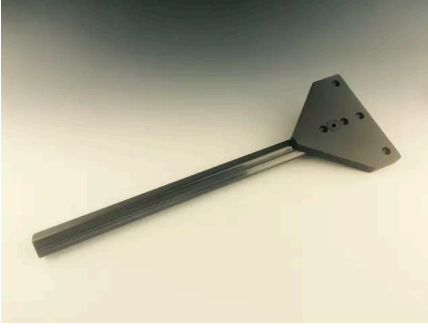


Harrison at Woodturners Wonders has put together a special package for our members. It consists of the ½ HP Rikon Grinder, two CBN radius wheels (180 and 350 grit) with side grinding ability and thrust washers for the wheels. \$513.35 + 50 shipping. No tax for club members. Either he or Britney can take a phone order at 678-400-8181 Includes a free SlickStick

<https://woodturnerswonders.com/collections/riikon/products/riikon-grinder>

HannesTool

JoHannes Michelsen Vector Grind Plate



<https://hannestool.com/product/second-pivot-plate/>

D-Way Tools

Negative Rake Scrapers and other tools



<https://d-waytools.com/curved-neg-rake-scraper-3-4-x-9-32-x-9-1-2-tang/>