



Contains June, 2014 Minutes

July 2014

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## **BUCKEYE WOODWORKERS AND WOODTURNERS**

### **June 14, 2014**

The regular meeting was called to order by Pres. Bill Seabolt. The meeting took place at Doll Lumber Co. in Southington, Ohio on Rt 534. The BWWT members gathered around in their lawn chairs and secured a place where they could hear of the activities for the day.

Bill Seabolt mentioned that members of BWWT were extremely helpful in construction of 12 of the 13 shelters needed for the day campers to Y Noah. These shelters were built near the shower facilities building. A list of volunteers was read to inform the membership as to who participated in the activity. The following individuals gave of their time, effort, and tools to help in the construction of the shelters.....Keith Bellamy, Bill Gougler, Darrel Dube, Walt Eversole, Ben Fix, Hoby Horn, Harold McMullen, Bruce Minnich, Les Morgan, Richard Rohr, Gordon Seto, Gayle Seymour, Bill Stone, Bob Stone, Ben Lyuster, and Jerry Schaible. It should also be noted that Bruce Minnich contributed a 12 gauge extension cord to BWWT for our future use.

Bill also mentioned that a total of \$825 was collect-

ed in the Larry McCardel Memorial Fund. The Executive Committee has suggested that we look into the purchase of a vacuum chuck system for our club demonstrations. Bill is also suggesting that a permanent name tag be created to put on the machine as a reminder that it came from the Memorial Fund monies. His wife had suggested that something be purchased where the club can receive the benefit.

Pres. Seabolt mentioned that Bob Taylor would be giving the demonstration today on pen turning and also show the accessories needed to turn pens.

The President stated that the weekly camper woodturning activity will begin in late June. This project will take about 6 weeks to complete and will be held on Wed. nights at Kastner Hall. Anyone who can participate should arrive at the club at around 5 pm to help set up the lathes and tables. Members can also volunteer for clean up activities after the session has been completed.

Pres. Seabolt mentioned that the Wooster Turned Art Show was a success. He said that someone had inadvertently received a second place prize or it was misplaced. If anyone knows of the whereabouts of this award, they should let George know.

Pres. Seabolt gave a listing of future demonstrations for the remainder of the year. They are as follows.....  
 July.....BWWT Annual Auction. Doll Lumber will make turning blank donations.  
 August.....Richard Rohr.....demonstrate turning tops  
 Sept.....Joe Herrmann.....TBA  
 October.....John Lucas.....national wood turner.  
 November.....Dave Hout.....metal spinning.

Bill Stone, VP, stated that BWWT will fix lunch at noon today and members should be willing and able to provide a \$5 donation for the fine lunch. Members could also check out the saw mill right after the meeting. Ernie Conover will make a few remarks on some of the latest innovations for wood turning. Eric Doll stated that he appreciated all the members

coming out to view his saw mill.

Respectfully submitted  
Jerry Schaible, Sec.

## Bob Taylor Pen Turning June 14, 2014



Bob Taylor, past president of BWWT and current Program Chairman, stated that he would be turning a pen out of a pine cone for today's demonstration. In the beginning he said that he has made pens out of



many different kinds of materials. Pine cones can be

readily found in the forests of NE Ohio and make beautiful pens. He said that the first thing one does after collecting the pine cones is to take them to the band saw and prepare them for making a pen blank. He said that he cuts the sides of the pen cone down so that he has the hardened center remaining. The rest is waste. Then you mount the pen blank between turning centers which consist of a four prong drive center and a ball bearing center for the tail stock.

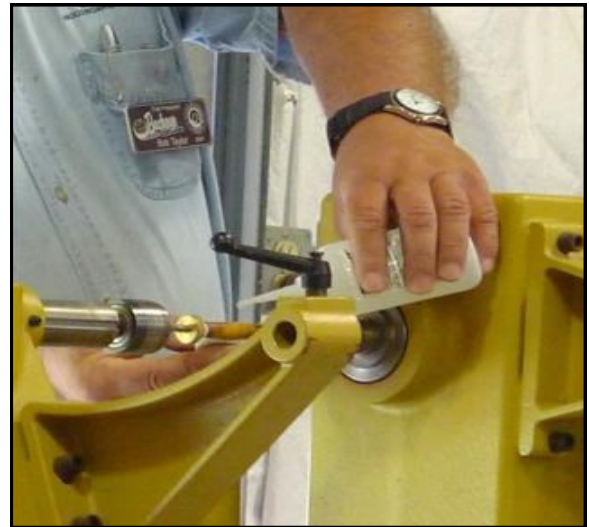


Rough turn the blank so that when finished it is between 5/8" to 3/4" in diameter and about 6 inches long. Bob stated that after you have rough turned the pen blank, there may be some voids or pockets in the blank. He instructed that one should take the turning waste and stuff it in those voids and pack it solid. Then with some thin CA glue, dribble the glue into voids and around the filled material. Spray a CA accelerator on the glue to provide a quick dry process. Bob stated that he uses no resins, just CA glue. Bob said that he uses collets that fit his headstock to hold the pen blanks in position. He said that one can also use a chuck with pen jaws to hold the blank in place for the next step, which is drilling out a hole for the brass pen tube. Use a drill chuck in the tail stock to hold the drill bit. The size of the drill bit needs to be what is called for in the directions of the pen kit or pen style. At this point, Bob took the tailstock and hand pushed it into the spinning pen blank to create the hole for the brass tube. A more gentle method would be to use the hand wheel at the back of the tailstock to create a forward motion of the drill into the pen blank.

Once the pen blank has been drilled, then the next step is to prepare the brass tube for insertion into the blank. Bob takes 100 to 220 grit to sand or rough up the brass tube for a better and stronger gluing effort. He also indicated that he likes to use 2 part epoxy or gorilla glue as the bonding agent for gluing the brass tube or barrel to the inside of the pine cone. To clean out the excess glue from inside the tubes that results from pushing the brass tubes into the pen blank, he will use some small gun barrel clean out brushes that can be purchased from any sporting goods counter in

major stores. Bob does not like to use pen mills to square off the ends of the blanks with the tube inserts already in place. He stated that there is a tendency for the pen mills to become dull and then ruin the ends of the pen blanks. He uses a belt sander or disc sander for this purpose. He said that it is extremely important to square off ends with a proper alignment to the interior of the tube or barrel and not the exterior of the pen blank. All too often we assume that the drilling of the pen blank went straight, but that is often not the case. Then by incorrectly using the exterior of the pen blank to square it up to the disc sand, will result in the ends not being square and then it will not align properly to the matching or mating of the metal pen parts. That will then leave a gap and the pen will not look professionally done. Bob stated that is the difference between a \$30 pen and a \$20 pen. Again he mentioned to square up the pen blank to the interior of the pen barrel. He used a small rod on a metal sled to mount the pen blank for sanding the ends square. Of course this sled would be mounted against the 90 degree T bar for the sanding platform. Then to clean up the interior of the brass tube of small burrs, he will use a small countersink for deburring the brass tube. A short twist of the wrist will be all that is needed.

Each set of pen kits will have their own set of bushings to mount the pen blank on the mandrel. These bushings, when mounted on the mandrel, allow you to turn the exterior of the pen blanks to the desired diameter or thickness to fit the metal pen parts and make a neat looking pen. Bob warned that one should not over tighten the mandrel or you will bow out or bend the mandrel and then it will be out of line and not make a truly circular pen diameter. It should be noted that you cannot straighten out the mandrel once it has been bent. You should use a 60 degree pointed live center in the tailstock to properly align the mandrel when doing the turning. Bob has also turned his pens between centers with using a dead drive center in the headstock rather than the mandrel. This also provides for extreme accuracy. This is truly an attempt to "turn between centers". Use a gouge or skew to turn the pen barrels. Turn the exterior of the pen blanks down to the bushing diameter for correct alignment to the metal pen parts. At this point, Bob warned that you should not use CA glue as a finish for the pen barrels or you will glue the mandrels to the bushings and you will have a very difficult time of getting the bushings off the mandrel and barrel of the pen. At this point, Bob takes the pen barrels off the bushings and mandrel and then uses some Delron cone bushing to hold between centers. CA glue will not stick to Delron plastic. These small Delron cones can be purchased from Penn State Industries. After the CA glue has been



applied with a small pad, he will use 400 grit sandpaper and sand the barrels with the lathe on and spinning the pen blanks. Finally he will sand with the grain to get all the rough surfaces off the barrels. He uses denatured alcohol to get rid of a lot of the sanding dust on the barrels. He then will sand with 600 grit and finally 800 grit sand paper to get a smooth surface. He will use water as the lubricant to help with the wet sanding process. He stated that when you see a white slurry, you know that you are getting the surface really smooth. He will then use a set of buffing pads and sand from 1500 grit up through the seven grits to finally use a 12,000 grit sanding pad. He will use a small spray bottle to add water to the sanding process, with each sanding grit. He marked the backs of the pads to keep the them in proper sequence. Other turners will make a series of dots and dashes on the thin edges to keep them in sequence. Still other turners will use the alphabet letters on the edges, to keep the sequences in order. In the end, Bob will use a brass polish or Brasso to get a smooth surface to the barrel of the pen.

All that is left to do at this point is to take the metal parts of the pen and assemble them in accordance with the directions that come with the pen kit.

Now show off the pens to friends and relatives so that they can admire your work. Bob assured us that you will get requests to make them a pen for their personal use. Best wishes.

Respectfully submitted,  
Jerry Schaible, Sec.

**Ernie Conover Comments**  
**June 14, 2014**





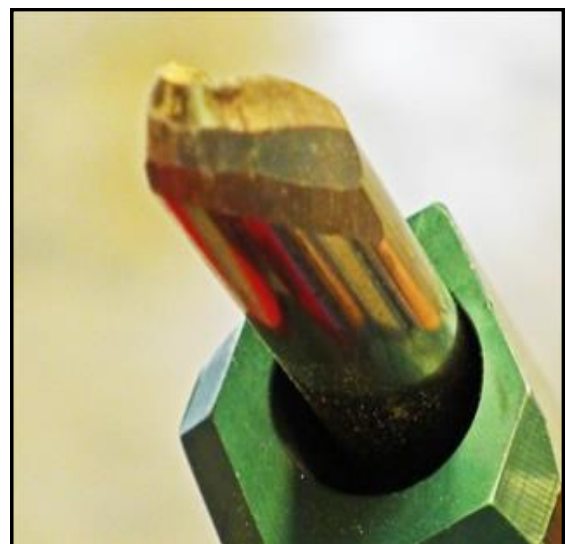
Ernie Conover gave us some insight into the new trends in woodturning that he has seen lately. The first thing that he mentioned is that the Dave Carter family from Seattle Washington has come up with some new turning tools. It all began with them when their son was taking some turning lessons at a Woodcraft store near them and needed some turning tools that would fit his hands. He asked his dad if there was some way that they could make him some tools for him to



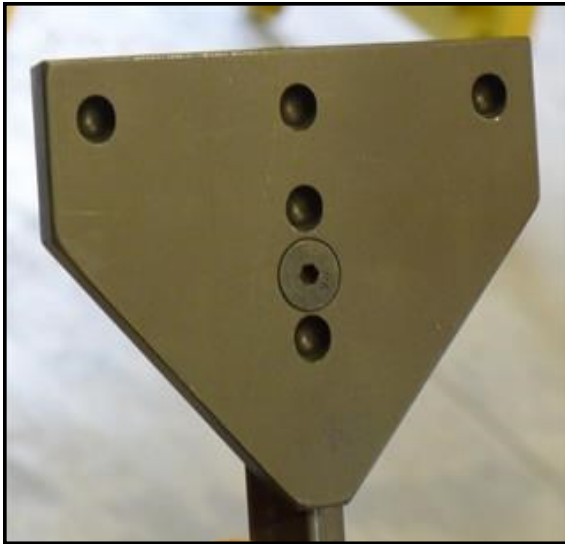
use in the class. Dave fully agreed to the process of making a set of tools for his son.



Dave made them from M-42 high speed steel. He turned the tool handles from aluminum to fit his sons hands. The tools and handles seem to be well balanced for the wood turner. These will soon be available in major turning catalogs throughout the country. Ernie stated that he is not sure about the powdered metal tools that have come out in the market in the last few years. He stated that they feel kind of 'gummy' and he can't get them 'really sharp' as he would like.



The second concept was that Ernie stated that he is seeing more secondary and tertiary bevels being used in the wood turning process. He said that with these bevels, it is easier to make the transition at the bottom of a vessel from the side wall to the depth of the interior. He stressed that the grind should be at 45 degrees and then put the secondary bevel in place. He said that there is a grinding jig that is now being produced by Johannes Michelson for about \$150 that will pro-



duce this grind. This is the new Vector Jig that will fit the Wolverine Jig put out by One-way. It has an arm with a plate attached at the back of the arm. There are three holes in the plate. One is for the primary grind, a second hole is for the secondary grind and the third hole is for the tertiary grind. A small jig to hold the tool at the proper angle comes with a rod that will drop into each hole to complete the grinding and sharpening process.

Respectfully submitted  
Jerry Schaible, Sec.

**PICTURES WERE SUBMITTED THIS MONTH BY DARRELL DUBE**

**Anyone wishing to submit pictures for the newsletter please send them to the**

**editor within two days of the meeting**



## Calendar of Events

### PLEASE NOTE

**BWWT MEETINGS ARE HELD ON THE SECOND SATURDAY OF EACH MONTH BEGINNING AT 9:00AM**

**July 12, 2014....** Annual Club auction at Camp Y-Noah's day camp pavilion on Christman Road

**August 9, 2014....** Richard Rohr will demo how to make a "pull string" top

**September 13, 2014....** Joe Herrmann

**October 11, 2014...** John Lucas, "Hands - On" on Sunday, October 12, 2014

**November 8, 2014....** Dave Hout will demo "metal spinning" Hands - on to follow.

**December 13, 2014 ...** TBD

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