



Contains June 2016 Minutes

July, 2016

**NO MEMBERS OR VISITORS SHALL ENTER OR EXIT THE CAMP VIA THE CHRISTMAN ROAD ENTRANCE. MEMBERS MUST ENTER AND EXIT FROM MT.PLEASANT ROAD.**

**BUCKEYE WOODWORKERS  
AND WOODTURNERS  
June 11, 2016**

**Anyone wishing to submit pictures for the newsletter please send them to the editor within two days of the meeting**

**BWWT Regular Meeting  
June 11, 2016.  
Doll Lumber Co.**

**Respectfully Submitted  
Jerry Schaible, Sec.**

The regular meeting of BWWT was held at Doll Lumber Co. in Southington, Ohio, which is north east of Ravenna Ohio. The following items were discussed in the business meeting.....

1. Pres. Richard Rohr issued a welcome to all the members of BWWT and North Coast to the facilities of the Doll Lumber Co. He stated that there will be a short business meeting, then we will have a discussion on finishing, a demonstration in cutting up of burls and crotch material, and then a picnic, sponsored by both clubs. If anyone was interested in touring the saw mill, they were to see Jim or Eric Doll to set up a tour of the facility.

2. Bill Stone gave a short notification of the demonstration talk that will be given after the business meeting was completed. The talk will be on finishing your wood turned projects with the various finishes that are available in the stores.

3. Eric Doll and Jim Doll, owners of Doll Lumber Co. gave a short discussion of the sales desk that was open to

serve our needs. They encouraged the members to peruse through the turning blanks and other types of wood blanks that they had available on the shelves and along the wall. Several species of wood were available that included maple, walnut, cherry and poplar. He also encouraged us to look at their new website that they now have available on the internet for information that we might need. He said that they have a new feature of photos of customers projects that could be available for sale. He said that they are also making available a listing of new stock and some specials that they have available.

4. Ron Tomasch, Pres. of North Coast Woodturners, indicated that they will be having some professional demos coming up in the next few months. He stated that there will be a total of 4 scheduled for the rest of the year. They will be in July, August, Sept. and October. He said that any BWWT member could come to their demos for a \$10 charge or one could also purchase a yearly membership and come to the all of them. This was a nice gesture that was extended to the BWWT membership.

5. Pres. Richard Rohr indicated that the meal of hamburgers and hot dogs will be available around 11:30 am or near the conclusion of the finishing demo.

6. Pres. Rohr stated that BWWT has a new website and the new internet address is listed as bwwt.us. He noted that John Adams had created the original website several years ago and now the administration of the website is under Gayle Seymour and Bob Stone. A whole new format and design was created by Gayle and Bob. There were also some of the features of the old site retained for use.

7. It was noted by Pres. Rohr that the first session for campers at Camp Y Noah will be on Wed, June 15, 2016. The instructors are to gather around 4 to 5 pm and help set up the lathes and equipment for the evening. We should conclude our instruction by around 9 pm. We will have 4 sessions throughout the summer.

8. The president made it known that the additions and changes to the bylaws was completed by the executive com-

mittee with Ben Fix in charge of the writing and adaptations. The revised bylaws will be given to the membership at the August meeting and then brought up for a vote in September.

9. The next meeting will be in July and it will be our annual club auction. This meeting will be held at the pavilion that is located west of Lake Noah on camp property. Go past the camp entrance on Mt. Pleasant Road to Christman Road and turn right. Look for signs to enter the camp area. Pres. Rohr noted that this auction is our main source of income to our club treasury. Members are to bring any wood, tools, or other shop items that are in condition to be sold to the auction. All proceeds will go to the treasury.

10. The August demo will be by Hoby Horn on making box joints.

11. The Pens for Troops project will be sponsored by BWWT in conjunction with the Woodcraft store. All pens are to be finished by the November meeting on Nov. 12.

12. The Wooster Art Show will be sponsored by BWWT and North Coast Wood Turners. Members are to have their turned projects completed and ready to be entered in the show in the fall. George Raeder will be coordinating the effort for both clubs. North Coast members are to have their projects turned in by their Sept. 3 meeting. BWWT members are to have their projects turned in by Sept. 10 meeting. The opening of the Wooster Show will be Sept. 26, 2016.

### **Finishes in Woodturning**

**Jerry Schaible**

**June 11, 2016**

**Respectfully submitted**

**Jerry Schaible, Sec.**

The following finishes are some that are used in wood turning.....

1. Shellac. This finish is generally used on smaller projects and is very quick drying. To be used on larger projects might be difficult because it dries very quickly and it is difficult to get an even surface. HUT is a commercial brand that comes in a handy plastic bottle. It is shellac with waxes mixed with the solution. It generally is used as a coating on pen barrels to get a nice sheen. Over a long period of time, the shellac is generally rubbed off by fingerprints and the nice shiny surface is replaced with

natural skin oils. Mylands is another brand that is used. Shellac is mixed with alcohol for a fast drying characteristic. This can be purchased ready to use in a can or you can purchase shellac flakes and mix in the appropriate amount of alcohol to get the right blend. Shellac generally has a rather short shelf life. It should be noted that this is one of the oldest finishes used by man. It was discovered on some Egyptian pieces around 200 to 300 BC.

2. CA glue has also been used as a finish, but mostly on pen barrels. It is a much tougher finish and will last longer than shellac. Most turners use either the CA thin or medium to get the coatings that they prefer. Some use a cut off rubber glove finger to apply the glue evenly. Then they allow the glue to dry satisfactorily and sand through the grits or sanding pads. Some grits may go as high as 12,000 grit pads. The finished product will be very shiny in appearance. Other uses for thin CA glue would be to coat some thin punky or decayed part of the turning. One can drizzle on the thin glue and let it dry. Then turn the soft wood with a sharp turning tool and it should come out rather nicely.

3. Lacquer has been used as a finish on many wood turned projects. This can be purchased in cans at full strength or spray cans in diluted form. This has a high odor characteristic and should be used in outdoor shops. Bill Stone, former president of BWWT, gave a demonstration on the application of lacquer to the wood surface. He suggested that one should sand through the grits of sandpaper, to around 400 grit or 600 grit size. This will provide a very smooth surface on which to apply the lacquer. Bill used some t-shirt material and took a small amount of lacquer mixture and rubbed a thin coat on the board. This mixture consisted of lacquer sanding sealer and lacquer thinner. He mixed it about 50/50 ratio. He said that sometimes he gets it to be 60/40 mix. He then let it dry for a few seconds and wiped off the excess. Then he took a paper grocery bag and rubbed the first coat dry. He applied the second coat and successive coats in the same manner until he had about 5 coats thick. There were times when he used some compressed air to blow off the piece and make sure it was clear of thicker globs. When he finished he would buff lightly with a buffing wheel. He stressed that one should not push too hard or they would over heat the surface and soften the finish. This would result in high spots that would have to be sanded smooth and recoated to get the finish to look good. It was noted that Marty Chapman uses the same mix. He stores his mixture in a small jar and uses a small brush from the jar to apply the mixture to the piece. It should be noted that the mixture will not harden up in the jar if stored with a lid in place. One can cut off the top of the brush handle to fit into the jar conveniently. Hoby Horn, on the other hand uses lacquer from a spray can. He will spray a thin coat on the turning project and then let it dry. He will take 400 to 600 grit sandpaper and sand the surface. He will then spray on a total of 5 coats of lacquer and repeat the

drying and sanding process between each coat. On the later coats he will also use steel wool to smooth the surface. When finished he will buff with a 3M white sanding pad to get the final results.

4. Wax is a finish that has been used for a very long time to finish turning projects. A wax mixture can be made or one may purchase the wax finish in one pound cans for more convenient use. Phil Brower explained that he uses a rag that can be stored in the wax container, and applies a coat of wax to the smoothly sanded project. He then will let the paste wax flash off for a couple of minutes and then uses a clean rag to buff the surface to bring out the shine. He may apply 3 to 5 coats of finish wax to get a depth to the sheen. He stressed that it is easy to apply and easy to shine up while the project is still on the lathe. Years later you can easily apply another coat of two of wax to bring back the highlights of the piece if it looks a little dry. Ease of application and quick results are stressed with this finish.

5. Polyurethane is the varnish of choice during the current trend in wood turning. It has been determined by Bob Flexner and others that polyurethane right out of the can is too thick to get satisfactory results. The problem seems to be that the finish will sag on vertical portions of the project and it will be hard to sand smooth with other locations on the project. It also will not flow out smoothly and provide a leveling of the varnish. It has been suggested that one can thin the varnish down so that it will dry faster and flow smoother. A ratio has been suggested of 4:1 or possibly 3:1 so that the varnish is more workable for the project. This typically is called a wiping varnish. The mixture can be mixed in a small single serving juice bottle. The shelf life will be about 3 or 4 weeks and then it will congeal in the bottle and have to be thrown away. The first two coats will soak into the wood. Follow up with a total of about 5 coats of finish with an overnight dry period. Light sanding might be necessary before putting on the last coat. Each coat can build on the others to provide for a thicker protection. Minwax is now making a varnish for the retail market that is 3 times the thickness of the original formula. Some years ago, General Finishes was making a polyurethane gel that would not run when applied. They used a thickening substance similar to what is in ketchup or mayo in the food category. George Raeder gave a short talk on the use of poly gel for his turned projects. He stressed that one needs to use small amounts of gel and work it into the project with circular motions of the rag. He said that one needs to blend it in to the surrounding areas of the piece. He indicated that one needs to make sure that he does not leave any rag marks or trails in the surface of the finish. That would have to be sanded out later after it dries. George uses about 30% of his turning time to sand his piece and get it ready for finishing. He then will spend another 20% of his time applying the gel finish.

George states that finishing the piece is critical to make it stand out above all the other turnings on the display table. Hoby Horn indicated in his talk that he has used a thinned varnish for years and has had great results. He said that after hearing how Bill Stone has had so much success with the thinned lacquer sanding sealer that he might begin to try that to see if he likes it. He felt that was a very nice way to finish his projects with ease. Polyurethane can also be purchased in a spray can. Jerry Schaible indicated that he had to make four chess sets and it was a quick way to finish all the pieces. He used a cardboard box and cut out the top and front side for a spray booth. Then he acquired a plastic turntable for pantries to hold the small chess turnings. This gave him access completely around the pieces with the spray from the can and provided complete coverage. Spray cans have more propellant in the can than varnish, so one has to take care in providing ample finish to the piece.

6. Danish oil is a finish that has been around since the 1950s or so. It is merely a mixture of polyurethane/ varnish, mineral spirits, and linseed oil. Most commercial manufacturers have a blend of about 45% poly, 45% mineral spirits, and 10% varnish. It has been reported that they use this formula so that the mixture will not harden in the can while it is still on the store shelf. Many years ago, Dave Hout suggested that one can use 1 part poly, 1 part mineral spirits, and 1 part linseed oil, as a very nice finish. Then he suggested that one could adjust the portions as he sees fit. Chris Minick, a finishing chemist from Stillwater Minnesota, has suggested using 8 parts polyurethane, 5 parts mineral spirits, and 4 parts linseed oil. This mixture can be placed in a single serving juice bottle and stored on the shelf. This mixture should last about 2 or 3 months on the shelf. Please note that when using rags for application of this finish that the rags need to be opened up and placed outdoors for them to dry out. A crumbled rag can cause spontaneous combustion or a fire to occur, if left folded up in a wet heap. The application of the finish should be with a small rag or T-shirt material. You are to wipe it on the project and let it sit for about 5 minutes and then wipe off the excess until it is dry. This will allow thin coats that soak into the wood. This will provide for greater chatoyance or light reflective value. It will make the curly wood look deeper in appearance. Again....wet rags need to be spread out and taken outdoors for drying.

7. Hoby Horn also stated that he will use the Wood Turners Finish from General Finishes. This is a water based finish that has come on the market lately. He will use a rag to apply the finish to the turned piece. He stated that you wipe it on and then wipe it off. He felt that you had to do this quickly or you will get a buildup of finish in some areas and it will be hard to remove. He will put on a total of 4 or 5 coats, using the same process of wipe on / wipe off. He will then allow an overnight dry time and then use the Beall Buffing System to put a nice shine on the project.

Members were encouraged to look up Bob Flexner and Chris Minick on the internet to see some of the articles that they have written about finishing. Members were also encouraged to look at the [bwwt.us](http://bwwt.us) website for the BWWT organization in the Tips and Technique section to see the compiled list of various finishes that we have listed from many articles written in magazines and other locations. This would be a very helpful resource that one can use in their shop for quick reference.

## Calendar of Events

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

July 9, 2016....Club Auction.

August 9, 2016....Hoby Horn Building  
 Drawers with Box Joints.

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**SHALL ENTER OR EXIT THE**  
**CAMP VIA THE CHRISTMAN**  
**ROAD ENTRANCE. MEMBERS**  
**MUST ENTER AND EXIT FROM**  
**MT.PLEASANT ROAD.**

**BWWT Library Online Guide brought to**  
**you by the BWWT Club Librarians, Dirk**  
**Falther and Bob Hasenyager.**

The online guide lists the books and videos that  
 are available in our club library along with de-  
 scriptions on the subject matter and other useful  
 information. Follow the link below to check it out.

<http://uh.cx/uVS1S>

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