

HARRY NOHR WOODTURNERS



Platteville, Wisconsin
Newsletter



HARRY NOHR
WOODTURNERS

Volume 7, Issue 5

May 2015

Harry Nohr Woodturners

2015 Officers

President-Lyndal Anthony 563.599.8042
Vice President-Roger Redington
Secretary-John Urness
Treasurer-Rick Zach
Editor & Web Master-Joni Overhouse
Librarian-Clyde Holverson
Student Board Member-Jeff Kuffner
Safety Officer-John Haight
Club Advisor & Photographer-Frank Steck

Meeting Date & Location

2nd Tuesday of Month at

Room 16, Russell Hall on

University of WI – Platteville campus

Web Address: nohrwoodturners.tripod.com
(Safety Glasses are required at all Demos')

Agenda

5:30 Mentors Session in Woodturning Lab
6:30 Open meeting & Instruction
6:40 Club Business
6:50 Show and Tell
7:00 Topic of Discussion
7:30 Move to Turning Lab to Demo and
participate in Topic
8:30 Adjourn

President's Message:

The presidents message is always a challenge. I don't want to recap the meeting because Joni already does that, so I have to think of something else. I WAS thinking about something that went perfectly with Joni's suggestion. Talk about us, the club. I noticed that our members have been doing a great job of "thinking outside the round" and responding wonderfully to the monthly challenges. I even love the fact that more and more members are volunteering to do demo's. I love the growth of our club and am excited to think of what the possibilities for the future might hold.

Keep up the great work everyone.

Lyndal

New Members/Guests

Paul Rhorbacher (guest/ helped with the meeting demo)

Old Business

No one signed up for the Roundtree Gallery "Learn to Turn".

The Roundtree Gallery has asked the Harry Nohr Woodturners to show his/her work at the gallery during August. You don't have to sell your work but it would be appreciated if you would show your work to show what the club does.

Sesquicentennial: Before you finish your bowls for UWP, please get them to Lyndal so he can get them laser engraved. When they get engraved he will give them back to you to finish.

Visit Galena: Grant Barlow has not heard anything back from the city concerning Visit Galena. It is assumed that there will not be a Visit Galena.

College for Kids: Frank Steck will facilitate the class on July 6th and 7th. Anyone interested in helping please contact Frank at: steck@uwplatt.edu.

New Business

Vice President: The May demo is "Thread Cutting" by Byron Bohnan and Paul Rorhbacher. The June demo will be Frank Steck on making and using a "Wirley Gig Jig".
Librarian: Check out anything from the library. Sign it out and in when you bring it back.
Secretary: There are 45 paid members.

An "Open Turning" day will be May 23rd from 9:00 a.m. to 3:00 p.m. in the woods room at Russell Hall.

Clyde Holverson has a set of DVD's for sale. They are "The Woodwright's Shop" with Roy Underhill. The set includes seasons 1 thru 5. He is asking \$25 each or \$100 for the whole set of 5. If you are interested, contact Clyde at: clydeholverson@yahoo.com.

Bob Hansen brought some pieces of Apple wood to the meeting and gave them all away.

Leon Neuheisel showed the club a steady rest that he made to fit his lathe. He used skate board wheels on it. He can use the steady rest for turning anything from a spindle to a large bowl.

Festival of Arts: This is a 2 day outdoor event on August 8th & 9th in Galena. The fee is \$80. No merchants license is needed. Three artists will be picked from those participating both days and each will receive a \$50 check. If you would like an application, contact Hello Galena at 563-580-3128 or Manager@HelloGalena.org.

Bob Hanson and Bill Sanders both have a Craftsman lathe for sale. Bob wants \$150 for his lathe. If interested contact Bob at: hansen@uwplatt.edu and Bill at: sanders@uwplatt.edu.

Show & Tell
Critique done by Ben King



Dave Fritz, Cherry



Joni Overhouse & Lyndal Anthony
Box Elder & Padauk

Sesquicentennial Storm Damage bowls



Brian Larson, Cherry



Tim Kremer, Cherry



Brian Larson, Cherry



Bob Chorak, Walnut



Rock Riedle, Cherry

Challenge

Our challenge for May was to “Turn something with a natural edge”. The winner of the challenge was Mary Scanlan. She won a \$10 gift certificate to Craft Supplies.



Mary Scanlan, Box Elder
(Challenge Winner)



Mary Scanlan, Oak & Cedar



Mary Scanlan, Cherry Burl



Tim Kremer, Cherry



Joe Grimm, Cherry Burl



Bob Chorak, Walnut



Clyde Holverson, Apple



Joe Grimm, Cherry Burl



Clyde Holverson, Apple



Bob Hansen, Apple



Bob Hansen, Fruit



Bob Hansen, Fruit



Ben King demonstrated a circle cutter that he made for cutting bowl blanks on a band saw.

Demo

“Thread cutting using a jig by Byron Bohnen and Paul Rohrbacher”

My EZ Threader came with the 16 TPI spindle but you can get different threading spindles for your jig at 20, 16, 12, 10 and 8 TPI for the additional spindle.

Some of the best hard woods for cutting threads are: African Black Wood is probably the best. Cocobolo (any) Hard Oily wood, Bubinga, Lignum Vitae, Boxwood, Osage Orange, Desert Iron Wood, Red Hart. Cheaper wood which work okay but work better if you soak the threaded area with thin CA glue are: Cherry, Hard Maple, Black Locust, Holly, Mesquite, Apple

Turn the wood into a cylinder between centers. Turn a cleat on both ends for chucking.

Use a parting tool separate the top from the bottom of the box. I do not use a parting tool I use the band saw since the band saw removed less wood. This helps the grain pattern to match better. When cutting round stock on a band saw it is safer to use a 90 degree jig to help stabilize the wood being cut.

Switch the top and bottom to self-centering 4 jaw chucks. The top and bottom will stay in the chucks until they are done. Hollow the female portion of the box, sand and finish inside before threading. Male section, don't hollow until all the threading is completed. Female threads get cut first. This will be the top of the box. Male threads get cut to match the female threads. The leading edge of both threaded area needs to be beveled so the cutting bit can take a gentle bite when it starts to cut.

If using a softer wood, apply CA glue to the threaded area to strengthen it. Make the first pass about 50% of full depth. If tear out is starting to be seen, the thread cutter has started to open up the wood fibers. That is when to apply more Thin CA. Role the wood back and forth to allow the CA to fully soak in. Don't use any Kicker because it will turn the CA white. Weather you use kicker or not, make sure that the glue is hard before cutting.

Turn a relief groove at the end of the threads. 4 to 5 threads is great plenty and probably too much. Cut 4 turns of the female thread then the cutter will be in the relief groove. Cut thread DEEP enough so the top of the thread is a sharp “V” shaped. When the top is “Ved” the bottom or valley is at maximum depth. Now the top of the “V” can be sanded flat. Caution here, don't sand too much off, just until a flat is seen. The sanding can cause thread tear out so it may be advisable to apply a CA application and then without re setting the jig, recut the hardened threads, then sand.

Remove the lid and place the chuck holding the bottom on the lathe.

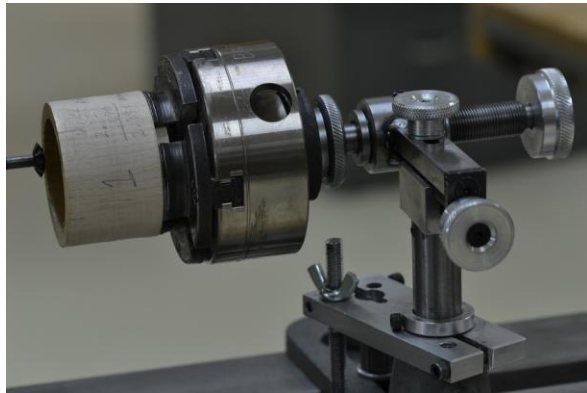
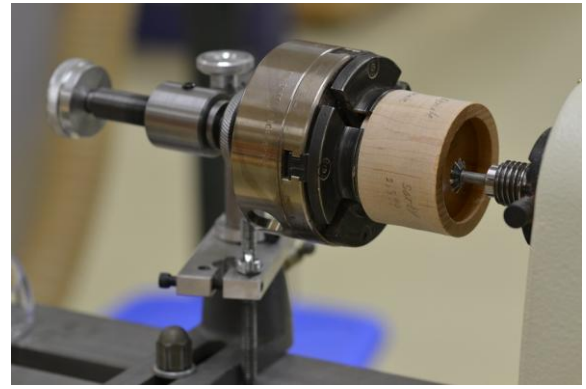
Hollow the bottom just enough so the threads can be cut. Make sure you have the relief groove where the threads will end. Male threads don't get hollowed first. You can hollow after the thread fitting is completed. The male threads are the hardest threads to cut. The Thread Cutter wants to grab the wood and run out of control. The thread tendon area is measured as follows. Measure the ID of the female threads, add 0.070" to the diameter for the size 16 threads and turn the tendon to that diameter. At the rear of the tendon cut a relief groove about 2/3 rds the width of the Thread Mill and 0.035" deep.

Line up the cutter with the bottom making sure everything is lined up with the ways of the lathe. Bevel the leading edge of the bottom. Cut the threads. Sand the threads removing the sharp V edge. Test fit the threads. When they are threaded correctly it is time to match the grain pattern of both top and bottom. Shorten the shoulder where the top and bottom touch to get the grain to line up. Lubricate the threads with something like of liquid wax. Butcher Block Finish works great as a lubricant.

Once the grain is matched and you like to fit of the threads it is time to hollow and finish the inside of the bottom.

Time to true up the outside of this box. Screw it together and shape the top of the box and the outside. Sand to your liking. The turning of the top and bottom together really tightens the threads making separation a real problem. The lid comes off very hard. A Strap Wrench to break the lid loose might be the best idea. Burning 3 lines helps to camouflage the separation line, with the center line being the separation.

Apply finish to the outside of the project. Using the parting tool remove the cleat on the bottom making sure the bottom has a slight concave. Sign the bottom and apply finish.





Byron Bohnen



Byron Bohnen





Paul Rohrbacher



Paul Rohrbacher



Paul Rohrbacher



Next Month

The challenge for June will be open to anything you would like to do.