

Turn North



The Monthly Newsletter of the Northland Woodturners

www.northlandwoodturners-kc.com

June 2018

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Turn North for June 2018

President Dave Halter opened the May meeting to a nearly full house. He announced the program would follow a special presentation by Treasurer Chip Siskey.



Chapter Meetings:

First Thursday of every month, 7-9 pm.
NEW address.

We've MOVED across the drive and around the corner to the East on the back of the building (Northeast Corner) We're south of Zona Rosa just off NW Prairie View Rd., just east of the N-S drive beside the barber shop.

Coming Attractions

Newsletters on the Chapter Website:
<http://northlandwoodturners-kc.com>

Event Information:

Chip demonstrated the setup with his internal turning monitor tool, showing how to determine the approximate location of the end of the turning tool when inside a hollow piece. He demonstrated how he uses a dedicated tablet as the indicator using a special camera mounted at his left on the extended piece in the picture at left.



His special tool was obtained from another woodturner and has been modified for use with his tablet.

SHOW AND TELL



Harlan Henke brought a natural edge black oak bowl which had a lacquer finish.



Andy Brundage brought a custom purse holder magnet made from cocobolo with a gloss finish.



Side View showing Magnet switch and mounting



Bottom View showing switchable magnet base.



Chip Siskey brought a white wood bowl (*poplar*) turned by Chris Medsker; who could not be in attendance.

Each member is encouraged to bring a turning or two and share during Show and Tell at each meeting to share how woodturning is being accomplished.

Program Highlights

Mikeal Jones recently brought a **Show and Tell** project that generated numerous questions from NWT members regarding the process for making such an item. He agreed to show the club how it's done and proceeded to make a "rough" finished piece for the program. Highlighted below are some pictures from start to "finish" showing the procedure he uses to make an insert wood turned finger ring.



Here is Mikeal's display block showing some of the rings he has made with inserts.

Some of the rings have inside metal inserts as well as outside inserts.



Mikeal inserted a square “backup block” to begin turning the ring. Generally this is a piece of white wood that can easily become waste as the turning takes shape.



Once turned to about the true size of the ring blank Mikeal prepares to make the mounting end for the ring blank



Here you can see where a hole has been drilled to allow mounting of the ring blank and allow removal later. It also makes boring the blank easier since white wood doesn't get mixed with the ring blank when the “pilot” hole is drilled.



The ring blank has a circle drawn in pencil showing the approximate size of the rough turning before making the insert groove. Mikeal uses Mahogany for many of his rings. Two reasons: 1) it's easy to turn and sand, and 2) it makes a nice looking ring when finished.

The blank has been glued to the “mandrel” using CA medium set glue



Turning the mahogany ring blank to size is a relatively quick process. Sharp tools make the finished blank much easier to lay out and groove for the insert later.



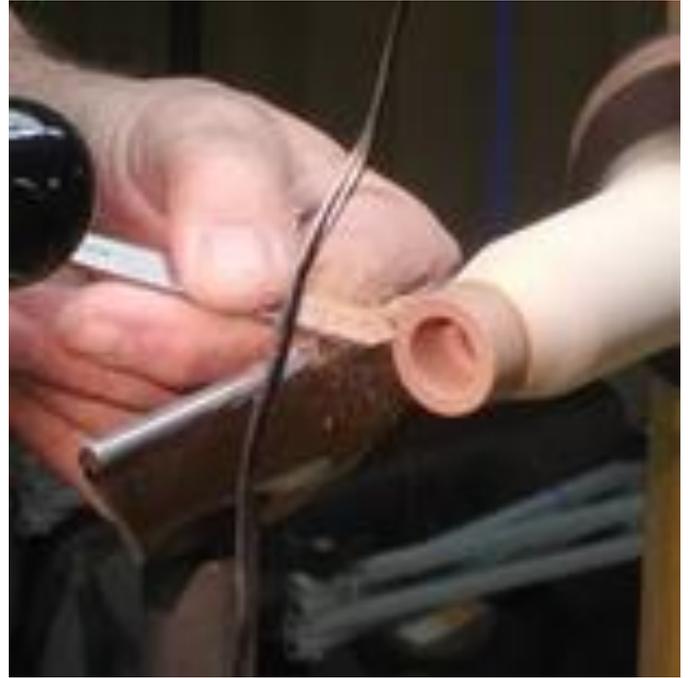
After a pilot hole has been drilled through the ring blank, the inside of the ring is turned to just under the desired size. Ring sizes are determined from sizing dies like what a jeweler uses to determine finger size.

This website gives the diameter of rings in metric for several countries, including the United States:

https://www.bluenile.com/assets/chrome/pdf/ring_sizing_guide_0610-CA.pdf



Once the rough size internally has been reached it is time to turn the groove for the insert. A smooth outside makes this layout much more accurate and easy to do.



Marks have been added to show where the insert groove will be and turning commences to make the groove.



Mikeal uses a special jig to make the insert. A block of wood with a nail inserted in one side, held in place by a vise grip[®], holds the insert so it can be wrapped uniformly and into a strip that can be wrapped in the groove previously turned in the ring blank.

He uses a special type of pliers commonly used in the aircraft industry to make security wraps on hardware to prevent movement during flight.

The same thing can be done with another vise grip[®] holding the two ends of the wire. The wire used is #20 bare copper and makes a very uniform spiral if the wire is kept tight. Keeping it tight is the job of the vise grip[®] above on the jig so it doesn't turn while twisting the wire.



Fitting the twisted copper wire into the groove requires checking the size of the wire against the width and depth of the groove and making adjustments to the groove as needed so the wire just sits below the top surface of the ring as rough turned at this point.



Once the groove is complete, the wire is bent around the ring form into the groove and allowed to overlap. Cutting the wire to the exact size comes with practice and it is always better to cut, trim, check and cut again than try to stretch the wire. At least that was according to Mikeal.



Once cut, the wire must be formed into the groove so it fits closely and doesn't stick up where it joins together. Careful cutting allows the wire to appear to be "endless" all the way around the ring.

To insure that this happens it is necessary to file the ends square and make them meet closely.



In addition to the filing, a "squeeze play" on the ring insert makes certain it will fit tightly. This is accomplished with a screw type hose clamp. The wire is soft enough that it will hold its shape after removing the clamp prior to gluing.



To insure that the wire stays in place while the medium CA adhesive sets, a wrap of wax paper is put between the ring blank and the hose clamp. This needs to set up overnight for a secure gluing job.

Mikeal had another blank to show how to finish the job .





Some darkening of the Mahogany takes place with the CA glue. This is not a bad thing since it goes all the way through the wood and appears on the inside of the ring blank.



After light filing and sanding to finish the shape, the ring blank is ready for final sanding and finishing. You can readily see how the glue bleeds through to the inside of the ring. This does not affect the quality since most of the rings are finished with CA glue.

Shown below is an example of what this ring will look like finished. This is the ring Mikeal brought in March for Show & Tell.



Damage Control Plugs

Thanks to everyone who's helped with our plug orders. Our inventory is getting low so we will be asking for help getting restocked. There will be boxes of blanks at the next meeting. Please consider taking a box home and turning them by the following meeting. Here's a table with the plug dimensions for reference.

It's also on the CLUB NEWS tab of the club website at

<http://www.northlandwoodturners-kc.com/Plus%20Size%20and%20Cut%20Listmht>

Plug	Lg Dia	Length	Sm Dia
#1	1 1/2	7	5/8
#2	2 1/4	4	1 1/4
#3	3 1/4	3 1/2	2 1/8
#4	4 1/4	5 3/4	2 3/4
#5	6 1/2	6	4 3/4



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REMINDER:

The annual dues for **2018** are **\$10.**

Checks can be made payable to
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