

Turn North



The Monthly Newsletter of the Northland Woodturners

www.northlandwoodturners-kc.com

August 2024

2024 Officers

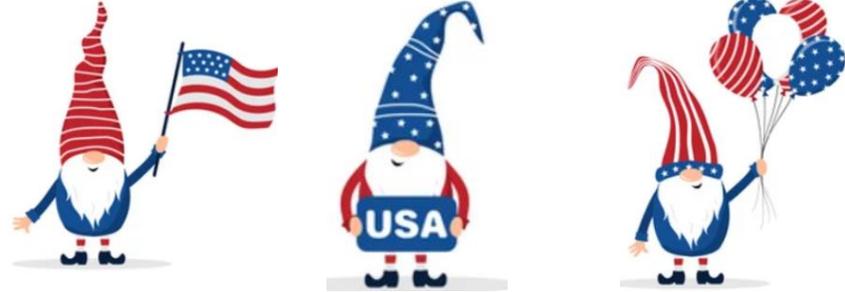
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The Fourth is Past and now it's time to share at the Club Meeting site, 7305 NW Prairie View Road in Platte Woods.

Bring your favorite dessert to share with the Ice Cream on July 11, beginning at 6:45 pm. First Come gets the best parking!

Chapter Meetings:

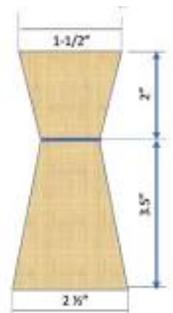
First Thursday of every month, 7-9 pm.
Our ADDRESS: 7305 NW Prairie View Road in Platte Woods. We are across the street from the Platte Woods Methodist Church who has allowed us to park there when our regular parking is taken up (only about 7 cars/trucks can park in back.

Here are some Q&A from some respected woodturners regarding design, tools, procedures and miscellaneous topics.

Let's see what they have to say about designing...

What is the golden ratio in woodturning?

You have probably heard the term "Golden Ratio" used when designing or creating a piece. There is a technical formula for determining this ratio. Many older turners, who simplify the math, consider it to be a **1/3 to 2/3 ratio**. Jul 18, 2021



Golden Ratio by Eddie Castelin | World Wide Wood Turners

Coming Attractions

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

NEEDED: Fund raising Ideas.

Remember—2024 dues are \$10 for the year.
Due beginning January 4 2024

Next Meeting:
July 11, 2024

What is the most beautiful number in the world?

1.618. The most beautiful number in the universe. Known by many names such as the golden ratio, golden mean, golden section, divine proportion, divine section, golden number, etc. and denoted by the Greek alphabet ϕ (pronounced as fee). Feb 16, 2020

You can find the Golden Ratio when you divide a line into two parts and the longer part (a) divided by the smaller part (b) is equal to the sum of (a) + (b) divided by (a), which both equal 1.618. This formula can help you when creating shapes, logos, layouts, and more. Oct 19, 2018

Why is 1.618 so important?

The golden ratio, also known as the golden number, golden proportion, or the divine proportion, is a ratio between two numbers that equals approximately 1.618. Usually written as the Greek letter phi, it is strongly associated with the Fibonacci sequence, a series of numbers wherein each number is added to the last.

Advanced Woodturning tools

Advanced woodturning tools include such things as Steady Rests, Texturing tools, Bowl Coring Tools, Interior Turning tools for hollowing, Carbide-tipped turning tools, Cone Centers of different sizes, and a whole host of special purpose handles.

Sequencing of turning/assembly

Some wood turning requires special sequences to produce the desired effects in the finished turning. Assembly of detailed pieces such as segmented turnings require very accurate making of parts to be assembled which are then turned one or two layers at a time. Several of our members have successfully produced these kinds of turnings with some exhibiting spacing between segments and some with segments tightly fitted together.

Another area of turning involves the use of acrylics: cast, embedded, overlaid, to name a few.

Finishing the completed turning

Finishing wood turnings is a whole topic in itself with multiple processes and procedures. Many different materials are used to protect the turned piece with some being an absorbed finish and some being an exterior-interior coating to protect the turning from foreign materials. One common finish used especially on pen turnings is Cyanoacrylate adhesive (super glue) of various viscosities depending on what the base material is and what the desired effect will result.

Getting back to the realities of why we come to meetings besides the raffle, refreshments include the SHOW AND TELL and Program presenters. So let's look at what came in for the June meeting as we look at

SHOW AND TELL



Kent Townsend brought a hand-carved Ladle made from **Apricot** wood. The limb used by Kent had a natural bend and, as seen at the right, fits nicely into one's hand.

The wood was donated to Kent by Turn North Editor Leland Finley. Finished with Flaxseed Oil, it can be hand washed and used hot or cold. Nice work Kent.



Steve Dougherty brought a turned bowl made from **Bradford Pear**. It is about 6" in diameter and about 3-1/2" Tall.

The finish is multiple coats of Tungoil that was buffed to a high gloss .

Even though there are a couple of wood flaws the turning presents very nicely. Great turning, Steve. Thanks for bringing it.





Mikeal Jones brought several turnings. This one came from **Hard Maple** and is about 8” in diameter and about 5” tall.

It has his random “domino-like” decoration on the rim and is finished with a maple stain, finished with lacquer.



Mikeal’s second turning was a small bowl from **Walnut**. It too had a lacquer finish and from the pictures it was about 4-1/2” in diameter and about 3” tall.

His last project was a real “Looker”! Two eyeballs made from **Silver Maple** were painted. The one on the left has a **Walnut** insert for the “Lens” with a black piece of acrylic for the Iris. The second one would appear to have a painted center and blood vessels to give the appearance of being “bloodshot”.

Good selections Mikeal.



Dwight Herrick brought another of his working duck calls. Dwight has a custom label he uses to ID his calls. Made with **Osage Orange** (hedge) and **Diamond Wood**, it has a great finish that can withstand outdoor use.

Dwight demoed his call and it has GREAT sound. Thanks Dwight.

Program Highlights

Club VP **Danny Smith** presented an interesting program showing how to make a soap dish. It is important to select the wood so that flaws are not visible in the wood and will not affect the “dish” once it is in use. The best finish for something like this would be a penetrating oil-based finish that can repel water easily.



The prototype is seen with a bar of soap lying in the turned dish. Since it will be exposed to water when in use, super sanding is not necessary upon completion of the turning.

Shown at right is the approximate size of the blank. About 3” wide and 5” long this piece is made of **Poplar wood**.



As one can see at right, it is **VITAL** to keep fingers and hands back from the rectangular turning block. Serious injury could occur otherwise.



Block thickness can be seen at left for the external shape being turned. This is necessary to provide the depth on the finished turning to hold the soap bar.



At left some sanding inside where the soap bar goes is needed for the dish to avoid soaking up lots in the cut fibers of the wood.



Before turning the block, Danny drilled three holes to allow water to drain out of the dish. This turning is ideal for camping since it provides a good place to put the soap and keep it clean and drained.



All that remains is to turn the tenon off on the bottom of the dish. A block holds the dish on the chuck side and the tailstock is used to hold the piece to turn the tenon off. This completes the soap dish and with some minor hand sanding on the edges that could not be done turning on the lathe, applying some kind of penetrating finish that is not toxic, the dish is ready to use,.

Well done Danny.

The July meeting will have a turning challenge so sharpen up your tools and get ready to have some fun on July 11. You may be wondering why we are not meeting on the FIRST Thursday. That's Independence day (4th of July) and everybody might want to celebrate at home.

This is the size chart for making the plugs we furnish as part of our fundraiser. Feel free to copy it and post at your workstation to make your job easier.

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

Thanks to everyone who has helped with our plug orders in the past. We will be asking for help getting other projects to raise funds. All ideas are welcome along with samples.

The CLUB NEWSLETTER tab of the club website is at

<http://www.northlandwoodturners-kc.com/>

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Check out the Club Specials every month.
Enter "NorthlandWoodturners" when asked for club name.

REMINDER:
The annual dues for 2024 **are still only**
\$10.00. All payments are accepted.
Checks can be made payable to
Northland Woodturners.
(or you can pay in cash)