

Works Courtesy of Members of NC Woodturners



North Carolina Woodturners Association



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Website: www.ncwoodturners.com

North Carolina WOODTURNERS

Journal of the North Carolina Woodturners Association

A Chapter of the American Association of Woodturners



President's Message

By Jerry Long

I hope you can make the July meeting where Jeff Farris of Sorby will be doing our program. Klingspor, in addition to hosting Jeff, will also be providing a "barbecue" lunch.

My family and I would also like to thank the club for your support during the death of our son, Bradley. We appreciate your support.

Don't forget your challenge project and something for the gallery and our "give back" project. Hope to see you all at the next meeting.

Jerry Long

Thank You

By Beth Parham

I just wanted to say "thanks" for the club support of what I do in the Secretary plus positions. It means a great deal to have the effort recognized. I have been part of organizations that just take it for granted and this group always "recharges" me with just simple things different ones say to me. I just wanted to say "THANKS".

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The AAW is dedicated to the advancement of woodturning by providing education, information, organization, technical assistance, and publications relating to woodturning. The North Carolina Woodturners Association purpose is to promote an interest in woodturning for persons of all levels, and to encourage membership in, and give support to, the American Association of Woodturners.

More Woodturning Magazine information

NOTE: This is a source as newsletter editor that I find very informative. This information is provided by *More Woodturning Magazine*. Please visit their web site: www.morewoodturningmagazine.com

Sharpening Quiz

Sharp tools are essential for safe and enjoyable woodturning. They enable clean cuts to be performed and provide satisfaction in watching long shavings of wood being removed. Unfortunately, a sharp cutting edge is only temporary. Eventually all tools will become dull. Dull or blunt tools can be dangerous and lead to frustration. So learning how to sharpen your woodturning tools is a necessary and beneficial skill. Test your knowledge of sharpening by answering the following 10 questions. (Answers will be shown later in newsletter).

If you want to do this test online, just click on this link and be interactive with the quiz: [Take Sharpening Quiz online](#)

1. One way to test a tool for sharpness is to hold the tool under a strong light and examine the cutting edge. If you see a glimmer of light on the cutting edge, then the tool is sharp.

- True
 False

2. Another way to test a tool for sharpness is to gently drag the edge of the tool over your fingernail. A sharp cutting edge will easily glide over the fingernail.

- True
 False

3. What is the grind angle x on the following scraper?



- 30 degrees
 60 degrees
 90 degrees

4. Which term refers to the process of removing 1) the burr and 2) the coarse edge texture of the tool?

- Shaping
 Sharpening
 Honing

5. Which term refers to creating the desired shape or profile on a tool? This includes establishing the angle of the bevel and the angle of the cutting edge.

- Shaping
 Sharpening
 Honing

6. Which term refers to the routing maintenance and refinement to keep a keen edge on a tool?

- Shaping
- Sharpening
- Honing

7. Which scraper has a negative rake?

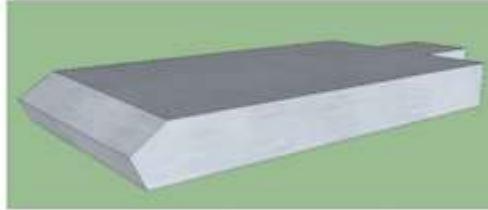


Figure 1

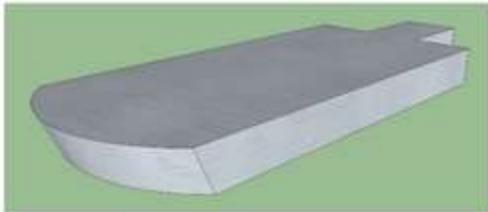


Figure 2

8. A negative rake scraper allows you to:

- Remove wood more aggressively.
- Spend less time sharpening.
- Create cleaner cuts with fewer catches.

9. What is this tool doing?



- Honing the cutting edge.
- Creating or reproducing a new burr or hook.
- Evaluating the roundness of the scraper.

10. Cubic Boron Nitride (CBN) grinding wheels are great for sharpening soft metal tools, aluminum, and high-speed steel?

- True
- False

You will find the answers later in the newsletter

Make Refrigerator Magnets

by John Wolf (This information is provided by *More Woodturning Magazine*.)

You probably have a collection of small pieces of beautiful wood. Pieces that are big enough to be used as a color accent or to make that one knob. I used to be overrun with wood that was too good to throw away but not large enough to make useful projects. Not anymore! Why? Refrigerator magnets!

This quick project makes a useful item that everyone seems to need. I begin by purchasing rare earth magnets. The most useful size is just under 1/2-inch diameter (12 mm) and 1/8 inch thick. These can be ordered from most supply catalogs, but I get mine from my local craft supply store. They are about 1/2 the price as the mail order sources, and the magnet is the major cost in making this project.

Samples of stock to be used.

Select the blank of wood. I usually start with stock that is at least 3/4 inch square but larger or slightly smaller will work. Cut the wood to lengths anywhere from 3/4 to 3 inches. If your saw doesn't leave a beautiful finish, you should true the end on a sander. Drill the approximate center View this month's content View Sample Issue Subscribe – Only \$25 / year of the finished end with a brad point or Forstner drill that leaves a hole just large enough for your magnet. I use a 15/32 brad point drill for the 12 mm magnet. I use a drill press vise and drill press to do this most of the time, but it can be done with a hand drill. What you must do is secure the wood blank using something other than your fingers! Drill this hole to a depth that equals about 3/4 the thickness of your magnet.



The drill will leave a center mark. At this center point drill a 5/32 hole with a standard twist drill to a depth of 3/4 inch.

Make a screw center for your lathe that is appropriately sized for this project. I take a scrap of wood that fits into my chuck and true its face. I then drill clear through the piece at its center with a 5/32 drill. Remove this blank from the chuck and countersink the backside of the hole so that a #12 flat head screw will seat firmly. I typically use a 1" by #12. You may need to deepen the countersink so that 1/2 to 5/8 of an inch of the screw protrudes through the front of the blank. I then put epoxy on the head to hold the screw in place.



Homemade screw chuck to hold the blank for turning.

Once the epoxy has cured, the small size screw chuck is ready to use.

Remount it into your chuck. Screw on your wood blank and turn to a shape of your choosing using gouge, skew and or scrapers.



Turning the wood to shape, in this case a neat knob.

Sand the turning and apply the finish of your choice. I often use either a friction polish or lacquer depending upon the wood, my mood and the ambient temperature.

Remove the piece from the screw chuck. Clean the magnet with solvent to remove any oils from manufacturing or handling.

Apply a small amount of epoxy or super glue to the magnet recess and then press in the clean magnet. The project is complete when the glue has cured.

The finished refrigerator magnet

Note: Larger more powerful magnets are desirable when the turning is more than 3 inches long and is going to be used as a “hook” for aprons or potholders. Otherwise, these powerful magnets may break the glue bond with the wood before they pull off the frig.



Presenters/Topics for 2016

	Presenter	Topic / Demonstration
July	Jeff Farris	Sorby demonstration – in conjunction with Klingspor; this will also include lunch/cookout
August	Jerry Measimer	Bracelets
September	John Benton	www.johnbentonstudio.com
October	Tim Simmons (organizer)	Team activities; other specifics coming later
November	Learn ‘N Turn	An opportunity for new(er) turners to be able to see a demo and then try their hand at it right then; would be helped by the person doing the turning. Also sharpening (bring your own tools).
December	CHRISTMAS PARTY @ Market on Main, Hickory, NC	

Club “Give Back” to Community

By Beth Parham

We will be collecting for this “give back at our July meeting. The challenge project for last month (and possibly even February) could be used to donate to children in our local hospitals or through other organizations to cheer up those in our community. I had one turner give me their piece from March’s challenge for this purpose. We have talked as the board, and as a club, about ways we can share our club’s talents with our community – give back! We do the hands-on at Extravaganza which is a great

opportunity to get our “passion” in front of others and expose some, especially children, of things they can create, not just “see” on the computer or TV or electronic devices. We are also able to help with the “Learn N Turn” afternoon that we did, and plan to do again.

Maybe we can all turn something simple – small toys, tops, small ‘plates’ to keep the tops contained in hospitals/cars, – anything that brighten up and encourage young people; or small boxes, vases, pens, etc., that can be shared with those in nursing homes, especially those that do not have visitors, so they won’t feel so alone. Just a little of our time could help brighten others in ways we’d probably never even know. If you will bring items, I will find the sources in our community; if you want things for a specific area/county/organization, please share this information and we can impact much more than just one area.

2016 Challenge Projects

Challenge Project		Notes/Links
June	<i>Chip ‘N Dip bowl/platter</i>	http://www.custommade.com/by/erikanderson/ http://woodshopmike.com/chip-n-dip-finished/ https://www.youtube.com/watch?v=mwSd72FcthQ
July	<i>Mini Candle Stool</i>	Miniature three legged stool for a candle or small plant http://www.instructables.com/id/Miniature-candle-stool/
August	<i>Finial “Masterpiece”</i>	Item of turner’s choice that incorporated finial(s) in the project http://www.cindydrozda.com/handouts_Pdfs/handouts/FinialArticle.pdf
September	<i>Held Captive</i>	Any object with a captured ring included http://www.hiltonhandcraft.com/Articles/CapturedRing.html http://www.woodturningonline.com/Turning/Turning_projects.php?catid=20
October	<i>Dyeing project</i>	Something with color enhancement outside your normal comfort zone
November	<i>Honor Our Troops</i>	Pen/pencil or other useful item we can send to troops
December	Christmas party	Market on Main, Hickory, NC

July Meeting -Sorby Sharpening Demonstration

By Beth Parham

Klingspor is sponsoring Jeff Farris from Sorby to do the demonstration. Klingspor will also be providing a “barbecue” luncheon in connection with this meeting. The Woodcrafters and others have also been invited to join for this presentation.



Challenge Projects

Scott Caskey

Bring both June and July challenge projects to the July meeting. We will be presenting two months’ winners at this meeting. There will be no photos in this issue due to the cancellation of our June meeting. So next month will probably have a large photo gallery – bring your challenge as well as gallery projects!!

Mini Candle Stool -

Challenge Project – extra information

Courtesy of MD Woodart (<http://www.mdwoodart.com/ministool.html>)

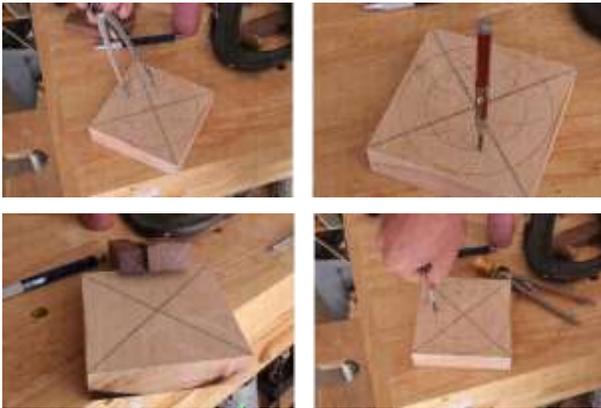
This is a miniature three legged stool for a candle or small plant. This one is made from Maple and Walnut and all done on the lathe and the drill press. It stands 4" tall and is 5" in diameter. You could use this for a number of things, I like the candle idea but I also thought about making one as a plant stand. You can get very very creative with these. And they are not very difficult to make.



Step 1: Grab some scraps – For this one, I used 3 small pieces of walnut about 6" long X 1" X 1" and 6"X6"X1" Maple. The maple was clean and flat on one side and the other side is rough cut. The walnut was simple scrap cuts I had in the bin. Grab a pencil spring punch or scratch awl and mallet and your angle square for the next step.



Step 2: Layout for the holes – Now I marked the centers on both ends of all three legs. After that I marked the center of the Maple block. Then using a spring punch make a divot. Then I used a compass and made a circle as large as the block would allow, then made another circle about 1/2"-3/4" less in radius. Then, I used the center punch and made the first divot for the legs. The location of the first divot doesn't really matter. Now, without adjusting the compass from the inner circle size, start at the first divot you made and make 6 perpendicular marks moving from one cross-mark to the next as pictured. Finally, using the spring punch, divot every other mark leaving 3 divots in total plus the one in the center. I then drilled the center hole to allow my worm drive for the chuck.



Step 3: Mount it on lathe – Now I need to rough turn it round and flat. This doesn't have to be perfect yet I still need to drill the holes for the legs. Every time I remove a piece from my lathe and rechunk it. It is out of round. So I will essentially need to "rough and finish cut" the piece again. Make it round on the edge, and flat on the face. I then loosened the chuck jaws and removed the disk. I will leave the worm drive in, as this will not be in my way in the next step. Moving on...



Step 4: Drill holes for the legs – I placed the maple block in a drill press vice with a scrap piece under one side only to lift and hold it at an angle. I then used a 3/8" bit to drill about 3/8" deep into the block of wood at the three divot points I marked in step 2.

Step 5: Re-mount the maple disk – Mount the maple disk in the chuck again and finish smooth and sand the edges



and the face. I sanded from 80 grit thru 800 grit. After that I used friction polish on the disk to finish it. Remove the disk from the worm drive and the chuck.



Step 6: Turn the legs I removed the chuck and installed the lathe drive spur, and mounted the walnut legs between centers. I then turned them rough round all the way down the length of the leg and formed a tenon at the tail end slightly larger than 3/8" A tip for this is to use a small file if you have one. Another idea is to use a scrap piece of wood with sandpaper to form a nice flat tenon. I needed to stop to test the fit every now and again until I got a nice snug fit. I then sanded from 80 thru 800 grit and then friction polished the legs before cutting off the excess on the head-stock end of the spindle.



Step 7: Glue the legs into place. I used Yellow wood glue to glue the legs in place. They were snug enough that I didn't need to clamp anything or even put weight on it to hold it firmly. The last thing I did with Miniature candle was sand the bottoms of the legs flat using the disk sander.



Gallery Projects

Scott Caskey

Bring all your projects – we will have had two months of turning time so we should have a large gallery. I'll gladly make a large photo gallery in our next newsletter.

Sharpening Quiz Answers

1. False – if you see any glimmer of light on the cutting edge, the tool is not sharp. This glimmer or reflection of light indicates there is a flat portion of the cutting edge, because the two planes of the tool do not meet perfectly. On the other hand, if the cutting edge appears as a black line, this indicates no light is being reflected back, because the two planes of the tool meet to form a perfect line.
2. False – Correct! Fingernails are made from a tough, smooth substance called keratin. A dull cutting edge will simply glide over the fingernail. Whereas a sharp cutting edge will “stick” or bring up shavings as it is pulled across the fingernail. Be careful with this test – use virtually no downward pressure and only move the cutting edge the smallest distance.



- 60 degrees – The grind angle on scrapers is the angle from the bottom of the tool to the top of the tool as shown in the illustration below.



- Honing – Some wood turners feel this step is critical and others feel it is not necessary. Regardless of your view, when viewed under high magnification, the cutting tool will have peaks and valleys. Ideally this should be a straight line. The coarser the abrasive used for sharpening, the deeper the peaks and valleys that result. By using finer abrasives, these peaks and valleys can be reduced. The honing process can reduce this coarse edge texture to form a more perfect line and hence achieve a keener, sharper edge.
- Shaping
- Sharpening is touching up an existing shape to keep a sharp edge. A sharp cutting edge is the intersection of two planes – where the width is as close to zero inches or mm as possible.
- Figure 1 is the negative rake. Unlike most scrapers where the top is flat, a negative rake scraper has an additional bevel on top. This bevel gives the tool a negative rake.
- Create cleaner cuts with fewer catches.
- Creating or reproducing a new burr or hook.
- False – CBN grinding wheels should never be used to grind soft metal, carbon steel, or aluminum. Doing so can load up the wheel causing permanent damage.

Shop and Safety Tips

Information from AAW's website (<http://www.woodturner.org/page/OACAGlueHealthHazard>) – this was in a response from a gentleman with bladder cancer who thought CA Glue might have contributed to his bladder cancer):

- It is important to understand the dangers of using **CA Glue** and take proper precautions with this important aspect of shop safety. (“The likelihood of cyanoacrylate adhesives being the causative agent of his bladder cancer is fairly low.”) CA glues normally are considered lachrymators (causing tears and excessive tearing through eye irritation), and CA is known to be a respiratory irritant (which is why increased ventilation is recommended with its use). It is not known to be a carcinogen. (No mention of this in the MSDS for cyanoacrylate adhesives.) It probably is most dangerous for its physical effects of gluing body parts together, or worse, getting uncured glue in the eye. The exothermic (heat generating) reaction CA glue also produces as it rapidly cures can also cause first and second degree burns (blistering of skin) under glue-curing conditions on the skin (I have personally experienced a blistering burn from CA curing on the skin).

Rob Wallace PhD, Iowa State University, Department of Ecology, Evolution, and Organismal Biology. (board member of Ames Area Woodturners and past AAW board member.)

- Hose Magnet**

I have a flexible hose attached to my dust collector so that I can direct the hose where it is most effective. To help keep it in place, I tied a large donut-shaped magnet to the end of the hose. Now I can easily attach the hose to any part of the lathe when sanding or to any other tool that is producing dust. When not in use, the magnet helps keep the hose out of the way.

Mary Carol Meinken from Cincinnati, Ohio



✚ Make a bowl depth gauge (<http://www.aroundthewoods.com/tips.shtm>)

A bowl depth gauge is used to identify how far you have gone in a bowl or vase. Cut a piece of wood as long as you plan on turning a bowl diameter plus a couple of inches – i.e. a gauge for ten-inch maximum bowls will use a twelve-inch-long piece of wood. Drill a 7/32" hole at center, rotate the wood 90 degrees and drill a 1/4" hole. Use a 1/4" x 20 tap to thread the 7/32" hole. Insert a piece of 1/4" dowel through the unthreaded hole and a 1/4" bolt or thumbscrew through the threaded hole. The dowel is set to desired depth and the wood piece serves as a stop at the bowl's edges. A hint I learned from Jacques Vessery is to replace the dowel with an antenna from a portable radio when doing long vases. It is light and easily retractable for storage. If you cannot find an antenna, I find a magnetic pickup from the dollar store to work well.



2015 Officers and Board of Directors

Officers of NC Woodturners – 2016		
President	Jerry Long	(704) 483-9460
VP/Program Chair	Tim Simmons	(828) 726-1599
Treasurer	Bruce Whipple	(828) 754-0372
Secretary/ Journal Editor / Website Director	Beth Parham	(828) 294-4001
Past President	Renhard McLaurin	(704) 657-0039

Board of Directors / NC Woodturners		
Last year of 3-year term: Term expires 2016	Tom Denne	(828) 584-0890
	Pam Dergins	(828) 439-9576
2nd year of 3-year term: Term expires 2017	Gene Parham	(828) 294-4001
	Dan Greaser	(704) 325-0222
1 st year of 3-year term: Term expires 2018	Bob Tate	(704) 867-1527
	Dorothy Green	(704) 732-7103

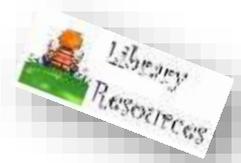


Membership / Newsletter /Library News

By Beth Parham

Library

The Library will NOT be open at the July meeting due to the special presenter. I have no idea of what he will need space wise so we will not set up the library.



Membership Matters

- **Renewal of membership.** Membership list was updated to Klingspor this month. If you have not renewed your dues, you were not on this list.
- Beginning with April, the dues for the balance of 2016 is prorated to \$45. Remember, I do not have the ability to accept credit cards, so please bring cash or check (or mail checks).



Types of Membership and annual pricing. See me at meetings if you want to join or have questions regarding membership. Also, remember that membership entitles you to a 10% discount from Klingspor on all purchases (except wood and things with a plug).

- ❖ Regular \$50/year –
 - After April 1st - \$45.00;
 - **After July 1st - \$40.00;**
 - After October 1st - \$55.00, which includes the following year.
- ❖ Centurion \$100/year (paid to NCW Education Fund. Includes special nametag.)
- ❖ Lifetime \$600 one time paid to NCW Education Fund. Includes membership for life and special name tag
- ❖ Benefactor \$1,000 one-time paid to NCW Education Fund. Includes honorary membership in NCW (designed for businesses)

Website/On-line

Facebook has picture albums now for Challenge and Gallery for all 2016 meetings. Website is still “a work in progress. Over the next few months, I will be updating and adding to our website – <http://www.ncwoodturners.com/>. Also trying to put up information about upcoming presenters, etc., on our Facebook - North Carolina Woodturners

Newsletter

If you are currently getting the newsletter via mail and have an email, be sure to let me know of the email address. You will get the newsletter sooner and in full color; the mailed issues are in black and white and are always several days later getting to you than the online version.



Mentorship Information

If you are interested in learning new skills, or improving the skills you have, contact one of these NCW members:

Scott Caskey (Iron Station, NC)	704-735-2382	Edgar Ingram (Statesville, NC)	704-876-4576
Don Olsen (Morganton, NC)	704-530-6055	John Melius (Mooresville, NC)	704-995-7257

Additionally, if you are wanting to mentor and help new turners learn this art form we all love and are addicted to, please let me know if you want to be added to this Mentorship Information.

NEXT REGULAR MEETING:

July 9, 2016

WHEN: Second Saturday of each month
10:00 AM – 4:00 PM
Lunch on your own

LOCATION:
Klingspors' Woodworking Shop
856 21st Street Drive
Hickory, NC 28602

North Carolina Woodturners
c/o Beth Parham
2154 Frye Avenue
Hickory, NC 28602

