

NORTH CAROLINA WOODTURNERS ASSOCIATION

A Chapter of the American Association of Woodturners



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PRESIDENT'S MESSAGE

Newsletter 23 of 24.....

Well another GREAT Klingspor Woodworking Extravaganza in the books. Thank you, thank you, thank you, for all that came out and supported our club activities. We had a great turnout of help and people wanting to turn pens.

Don't forget we have a turn and learn activity scheduled for the November meeting. So bring some of your tools and gadgets to show and share with other club members and guests. We will have several lathes setup for you to work with.

So in closing I want to share one example of the joys of turning and helping a young person at the extravaganza turn a pen. It was mid-day Friday and we had been wide open; all lathes were spinning. I went to get the next person in line and a lady came up to me ahead of her son and whispered, "My son is special needs and are you ok with him trying to turn a pen with you". I said, "no problem; that is why we are here". So, he turned a pen and as I finished helping him assemble it, a beaming, glowing smile came across his face. His mother goes "thank you. You don't know what this means to us, for him to be able to complete this activity and give my son a feeling of accomplishment". She took a couple pictures of him with his new pen and then asked if I would mind being in the picture as well. Her son in his very soft voice said thank you and reached out to shake my hand. This is why we do what we do for club outreach.

On Saturday I was walking around and talking with some people. I saw the mother and son back for a second day; as we crossed paths before I could say

anything the mother goes, "hey my son is so proud of his pen; he is showing it off to everyone. Thank you again".

Mission accomplished..... There are many other success stories I could share from the weekend but that one meant the most to me.

Stay safe and turn an ornament to show off in the gallery on the second Saturday in November.

Thanks
Tim

TABLE OF CONTENTS

President's Message	1
Table of Contents	1
Officers/Board Members for 2019	2
Klingspor's Woodworking Extravaganza	2
October – Morris Schlesinger	2
November – Learn & Turn	2
Gallery	3
Christmas Party	3
Membership/Newsletter/Library News	3
Presenters and Topics for 2018	4
2018 Officers and Board of Directors	5
Mentorship Information	5
Lathe Parts	5

OFFICERS/BOARD MEMBERS FOR 2019

PLEASE READ: PLEASE STEP UP:

- Please seriously consider taking the secretary's position. We can split this back out into 2 jobs: secretary taking membership and board minutes and newsletter/webmaster. It was simpler for me to do both since the main website duty was publishing the newsletter once was published and by membership being done by same person, it was best way to keep all members getting their newsletter. Doing the Christmas party can be moved to President or Vice President (this is who did it when Evanna was president; it somehow got on my plate and has stayed; this is simply getting the place – which seems to be set – and setting a menu which they help with. Then taking the money for the event.

I am seriously considering stepping down as Secretary. With health issues for Gene and other family matters, as well as my back – and now knee – it is sometimes more difficult for me to carry out my duties. I have not 100% decided but it is a serious consideration on my part. Just wanted to give the club a head's up on this.

- We still need a president (2-year term) and a VP. Please contact any current officer/board member and express your desire to lead our club. The "I've served my time" excuse is unacceptable in my mind. It is our club and nothing other than secretary and VP take an immense timeframe outside of the club meetings. Board meetings are held during lunch on meeting days and the president's main task is a short newsletter message and presiding over the meeting.
- We have members that have agreed to serve in the 2 open board slots (3-year terms).

KLINGSPOR'S WOODWORKING EXTRAVAGANZA

Per Tim's message above, the Extravaganza provides opportunities for us to interact with individuals that may not have an opportunity to ever experience turning. I too (in the past) have had such rewarding experiences. Nothing can take the place of seeing someone so proud of an accomplishment. I missed being part of the extravaganza this year. Please plan on participating next year especially if you have not done this.

OCTOBER – MORRIS SCHLESINGER

I did not have feedback on Morris' presentation from the October meeting. As I was not present, I cannot even include a brief recap, and we are in need of some "reporter" to take up presentation recapping as I mentioned in last month's newsletter.

NOVEMBER – LEARN & TURN

Following Extravaganza, we provide the "Learn and Turn" to help new turners (and not so new like me) the opportunity to work with one-on-one assistance to help them learn and have an opportunity to experience and try out tools, ask questions, etc. Please come and help. The basics of turning are focus of this month's meeting. You must get comfortable with tools, the stance, movement of turning, questions about the various tools, etc., before you can start tackling more difficult turning projects so those with comfort in basic turning skills can help as well as our more advanced turners are needed.

We have new club members as well as "guests" from extravaganza that may need our assistance in being "bitten" by this turning bug we all love.

GALLERY

Gallery

By Scott Caskey

Scott sent pics, but they did not come through, so I will include these in a later newsletter as well as web.

CHRISTMAS PARTY

By Beth Parham

Our Christmas party will be on our regular December meeting Saturday – December 8, 2018 – and will again be at Market on Main (lower level which seemed to work better for everyone). The Board has decided that the cost will be \$10 per person this year; this helps defray the expense of the party leaving our dues to be used for demonstrators during the year.

A sign-up sheet was started at the October meeting (Dorothy, I hope you have this – that’s what the guys told me anyway). It will again be available at the November meeting; you can pay at that meeting or pay at the party itself. Checks can be accepted made payable to “NC Woodturners” and one check can be written for *dues* and *party* if you wish. If paying by cash, please try to have exact change. It makes things much smoother on the day of the party.

As usual, please turn a Christmas ornament for your spouse/guest to use for participating in the “Swap” which is generally enjoyed by all.

MEMBERSHIP/NEWSLETTER/LIBRARY NEWS

By Beth Parham/Guy Scronce

Library

BOOK REVIEW: (By Guy Scronce)

Adding Spice to Your Woodturning, by Chris West



I will admit that I committed a great literary mistake by judging a book by its cover when I first looked at this book. I assumed by the subject matter that it would be a book about pepper and salt grinders requiring the standard grinding mechanisms that are available in many woodworking catalogs. Instead this book presents a variety of projects for salt, pepper, and spice shakers that often require only a simple and easily sourced bung or stopper.

West clearly presents detailed instructions for a variety of interesting shaker projects. These are clearly marked as beginner, intermediate, and advanced skill levels with an easy to follow supply list. I really appreciated the drawings and instructions for drilling the holes in the tops of the shakers.

All the projects are aesthetically pleasing, and the beginner projects especially produce a functional product that will help a new turner develop their skills. My only critique would be the small nature of the projects require chuck jaws smaller than the standard 50-mm set that come with most chucks, and this isn’t clearly stated in the instructions. The bungs needed to complete most of the shakers are inexpensive, and a helpful list of suppliers is listed in the back of the book.

Overall, I enjoyed reading the book, and I would recommend it to turners of any skill level looking for a small, yet challenging project. To the right is my attempt at the “Tavy” style shaker with Bubinga and maple.



Membership Matters

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).

Membership

✧ Regular

- \$50/year – *If you do not renew by March 1st of any year, you must pay the full \$50 membership to ‘rejoin’ in the calendar year per the by-laws*

The following *prorated price* for yearly membership applies to **new** members.

- ✧ After April 1st - \$45.00;
- ✧ After July 1st - \$40.00;
- ✧ After October 1st - \$55.00, which includes the following year

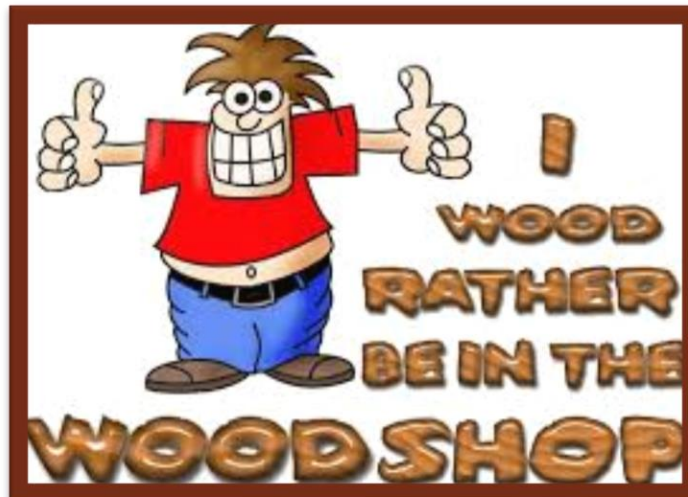
January 1st, the yearly dues goes to \$50.

Special Membership opportunities:

- ❖ 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)

Newsletter

If you want to get your newsletter electronically instead of paper (which is black/white) please let me know.



PRESENTERS AND TOPICS FOR 2018

November	Learn 'N Turn	
December	<i>Christmas Party</i>	<i>Market on Main, Hickory, NC</i>

2018 OFFICERS AND BOARD OF DIRECTORS

OFFICERS

President	Tim Simmons	(828) 212-1605
VP/Program Chair	Jeff Campbell	(704) 682-6876
Treasurer	Bruce Whipple	(828) 584-0890
Secretary/Journal & Website Editor	Beth Parham	(828) 244 9512
Librarian	Guy Scronce	()
Symposium Representative / Library Asst	Ric Erkes	(704) 508-1302

BOARD OF DIRECTORS (3-year terms)

Thru 2018	Bob Tate	(704) 735-2382
	Dorothy Green	(704) 692-4278
Thru 2019	Scott Caskey	(704) 735-2382
	Ralph Green	(704) 692-4278
Thru 2020	Guy Williamson	(704) 435-2423
	Teresa Ransom	(423) 268-0613

MENTORSHIP INFORMATION

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

MENTOR & LOCATION	CONTACT #	MENTOR & LOCATION	CONTACT #
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
Ric Erkes (Mooresville, NC)	704-508-1302		

LATHE PARTS

Courtesy of Woodturning FUNdamentals | August 2018

If you are new to woodturning, these illustrations can help you learn the common parts of a lathe, as well as important accessories specific to **spindle** and **faceplate** turning.

The terms spindle turning and faceplate turning refer to the orientation of the wood grain relative to the **axis** of the lathe. Spindle orientation means the wood grain runs parallel to the lathe's **bed**, or **ways**, and spindle axis. Faceplate orientation means the wood grain runs perpendicular to the lathe's bed and spindle axis. As the name implies, spindle turning is how stair balusters, chair parts, and other furniture parts are made. Bowls and platters are generally turned in faceplate orientation. Wood can be mounted in both grain orientations using the same methods and accessories.

Lathe parts

Lathes from various manufacturers differ in some ways, such as motor systems, speed adjustments, size, and other features. But the basic premise and major components are common to all of them.

The **headstock** is the drive end of the lathe, and the **tailstock** supports the workpiece at the other end. The **banjo**, which holds the **toolrest**, slides along the ways and locks into position. The position of the toolrest can be adjusted up and down or rotated at any angle to the workpiece.

You can determine the size (or capacity) of a lathe by knowing some key dimensions. The **swing** (or swing over bed) refers to the maximum diameter workpiece that can be turned on that machine. Doubling the measurement from bed to spindle will give you the swing. **Length** refers to the maximum distance between points in the headstock and tailstock, the longest piece you can turn between centers.

Some lathes allow for outboard turning, with the workpiece mounted on the outside (**handwheel** end) of the headstock. This allows larger diameter pieces to be turned, since the limitation of swing over bed does not apply; lathes that don't allow the toolrest to swing outboard will need a floor stand for the tool rest. While workpiece diameter can be larger with outboard mounting, it should not exceed the lathe's ability to handle the extra mass.

Spindle and accessories

The **spindle** is located in the headstock and varies in size, depending on the model. The lathe **motor** drives (or turns) the spindle, typically via belts on pulleys. Spindle speed (rpm) may be controlled by mechanical pulley changes or by electronic controls. Most lathes have a spindle lock to prevent rotation while you mount wood or accessories. "Forward" means the top of the spinning wood comes toward the operator (counterclockwise when viewed from the tailstock). Most modern lathes (but few older designs) can switch to "Reverse" for sanding and finishing.

The spindle has a female Morse taper on the inside and male threads on the outside. These two features, which vary in size by make and model, allow you to mount accessories and turn wood. If a lathe spindle is noted as 1" x 8 tpi (or 1x8), that means its diameter is 1" and it has eight threads per inch. Any screw-on or Morse taper accessories will have to be compatible with this sizing.

Drive centers

Drive centers commonly have a male **Morse taper** that fits the opening in the headstock spindle, but some varieties are made to be mounted in a **four-jaw scroll chuck**. The Morse taper or chuck keeps the drive center firmly in place, along with workpiece pressure applied from the tailstock. The motor drives the spindle, which rotates the drive center, which turns the wood.

Four-prong drive center (spur drive)

Versatile drive providing positive grip in the wood; use with dry or wet wood, for turning spindles and roughing bowls and vessels.



Steb center

Characterized by its teeth, which bite into the wood; use with dry wood, turning spindles.



Safety center/dead center

Also called a cup (or ring) center; use with dry wood, turning spindles. Bite in wood is determined by tailstock pressure—lighter pressure between centers allows the wood to stop turning in the event of a catch.



Faceplate

Faceplates have female threads so they can be screwed onto the male threads of the spindle. Holes in the surface of the faceplate allow you to screw the wood to the faceplate from the back. Faceplates come in a variety of sizes to accommodate larger or smaller workpieces; they are mostly used to mount bowls and platters in transverse, or "faceplate," orientation, and for purpose made chucks and jigs.



Scroll chuck



Four-jaw chucks have female threads so they can be screwed onto the threads on the spindle. When you tighten a four-jaw chuck using its key, its jaws close concentrically, so you can grip a round tenon (or spigot) as a way of mounting wood. When you loosen a four-jaw chuck, the jaws expand concentrically, so you can open the jaws into a recess in the wood as an alternate way of mounting wood. Most scroll chucks have interchangeable jaw sets for increasing their size range. Some chucks have interchangeable inserts to fit different lathes.



Scroll chuck with woodworm screw

Most scroll chucks are designed to grip a woodworm screw. A hole drilled in the turning blank can be threaded onto the screw to mount the wood on the lathe. Especially useful for roughing bowls in green or dry wood.

Tailstock and accessories

The **tailstock** slides and locks along the bed to suit the workpiece; for safety, it should be engaged whenever possible. The **handwheel** moves the quill (or ram) over a range of several inches and also locks in place, to adjust the holding pressure on the workpiece. The quill has a female Morse taper into which tailstock accessories, notably chucks for drill bits, can be inserted and held.

Revolving live center

In the early days of modern turning, a dead center (or cup or ring center) was used in the tailstock. Since it does not rotate, wax had to be applied to lubricate the spinning wood. This tailstock accessory has been supplanted by the revolving live center, which spins freely on steel bearings; some models have interchangeable points in various styles and sizes. Today the tailstock dead center is obsolete, but it is still used in the headstock as a safety drive.



Revolving live center with ring and point

Revolving live center with cone (or cone center)

Drill chuck

A drill chuck (sometimes referred to by the brand name Jacobs chuck) is the same type of chuck you'll find on any drill press. Mounted in the tailstock of a lathe, it holds drill bits horizontally for boring into wood that is mounted on the headstock. The wood rotates while the drill bit, which does not rotate, is advanced by the tailstock handwheel. Some chucks tighten with a key, while others tighten by twisting a ring.



REGULAR MEETING:

November 10, 2018

WHEN: Second Saturday of each month
10:00 AM – 4:00 PM

Klingspor's Woodworking Shop

856 21st Street Drive SE
Hickory, NC 28602

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

