

**TRI-STATE  
WOODTURNERS**

# Cuts and Scrapes

[WWW.TRISTATEWOODTURNERS.COM](http://WWW.TRISTATEWOODTURNERS.COM)

JULY 2025 NEWSLETTER



## Meeting Info:

Meeting location:

Woodcraft of  
Chattanooga

5824 Brainard Rd.

Chattanooga, TN

at 1:00 p.m.

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## August Demonstrator

*Steve Pritchard*

Stene was born in a very small town in South Dakota in the late 40's and grew up on my parents' farm there. In 1970, I received a BS from South Dakota State University and moved to Texas to enter the Air Force pilot training program. After graduation, I became a T-38 pilot instructor and then an instructor at the instructor pilot training school in San Antonio, Texas. It was like flying a Ferrari! Since leaving the Air Force, I've held jobs in sales and teaching and in 1995 I moved to the Atlanta area to become the IT manager for the US District Court in Atlanta from which I retired in 2007.

I developed an interest in working with wood while working on the family farm. My father was one of those people that can look at a few examples, talk to a few people and then build it. I helped him build pole barns, cattle sheds and even a grain elevator. My grandparents gave my father a Shopsmith in the late 40's and it was a primary factor in a lot of the buildings on our farm.

One use, which I don't think my father knew about at the time, was as a lathe. My brother and I managed to make pine 2x2's into rough cylinders using one of my father's wood chisels. It was great fun! Miraculously, we survived the experience and it stuck with me for over forty years. The Shopsmith has also survived. My brother still has it after fifty years!

In the military, I was a frequent visitor to the base woodworking shop. I made "going away" plaques for the squadron and several "multiple award" plaques for 24 and 48 names. I sometimes wonder if they're still hanging in the squadron at Randolph AFB. Probably not.



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I spent a little time with the lathe in the Randolph shop making a few pretty bad pieces. In that shop, there was a gouge sticking in the sheetrock on the opposite side of the shop from where the lathe was positioned. It was apparently left there after having been wrenched from the hands of someone at the lathe, bounced off the wall in front of the lathe and traveled about twenty feet to stick into the wall about ten feet from the floor. True or not, it was a great object lesson regarding high speed and poor tool control. It could easily have been just another story since there were plenty of pilots frequenting the shop and none of us were above creating such a scenario – on the other hand none of us were above lightly holding onto a tool and approaching a very rapidly spinning piece of wood either!

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In 2000 I purchased an inexpensive Craftsman lathe and a true addiction soon set in. I started out with my Craftsman in the basement of our home, but now have my shop in about half of our four car garage. I've graduated to a Powermatic 3520 too after wearing out the Craftsman. No more sawdust, lacquer odors etc. to contend with in the house!

Over the years I have done my share of production turning for craft shows around the southeastern US. Eventually, I tired of production turning and began to make cremation urns. As of 2020, 90+% of what I make are pet or human urns. The rest being artistic pieces for shows and exhibits.

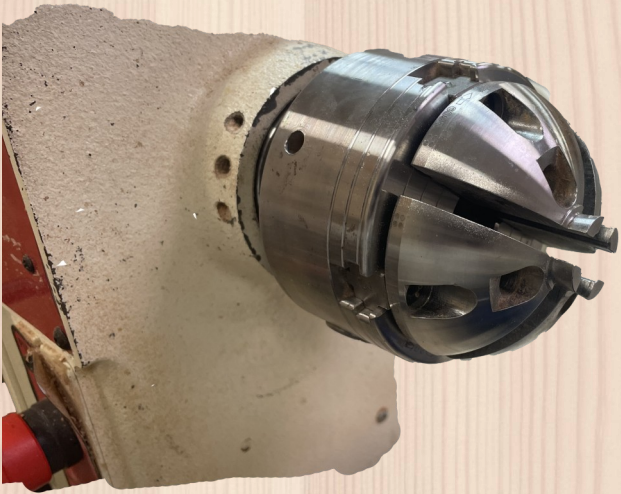
I am a two-time past president and current webmaster for the Georgia Association of Woodturners (GAW) and a member of the American Association of Woodturners (AAW)





# July Demonstrator

Last month we had Anne Ogg as a demonstrator. Most of her demonstration was making tinny tools. She showed how she make collets out of wood and tools made from both metal and wood.



Anne started with a very small set of jaws in her chuck to demonstrate tinny tools.

These were some of her turning tools. Many she claims she never uses.

She gave us some tip on making tools on the following pages.



Cuts and Scrapes





# Let's make tools!

## The Negative Rake Scraper

Annie Ogg, [annieswoodturning.com](http://annieswoodturning.com), (828) 620-1765 [annieogg@yahoo.com](mailto:annieogg@yahoo.com)



"The negative rake (which refers to the scraper having both a top and bottom bevel) makes the scraper less "grabby". It is more controllable, less aggressive, and less likely to tear out the grain of the wood."

Cindy Drozda, Woodturning tool expert

### Project list

1. High Speed Steel (HSS) blank
  - a. I am using 1/8" x 2.5"
  - b. Any size can be turned into a tool!
2. Vice grips
3. Slow speed grinder
4. Wood blank for handle (can be any size but the diameter must exceed the width of the steel to ensure safely seating the metal into the wood)
5. Drive bit
  - a. I am using 11/64
  - b. Any size that will produce a hole large enough to insert the hss blank snugly
6. Lathe to turn handle
7. Glue
  - a. I suggest epoxy but CA glue is another option



*Slow speed grinder is best for sharpening HSS tools*

### USE CAUTION!

Always wear safety glasses in the shop, and when using the lathe, wear a face shield



## High speed steel

M2, M25, what's the difference?

There are many different kinds of steel. High speed steel gains its strength from alloys. We are using M2, the most common HSS. Some drill bits and allen wrenches can be made from lesser quality steel. It won't hold a sharpened edge as long as HSS.

1. Using vice grips, clamp tightly on the HSS.
2. Mark the middle of the top with a thin marker
3. Grind down each side to the mark
4. Because the shape is a curve, sharpen each side, curving the metal edge as you sharpen

## Making the handle

There are a lot of ways to make the handle. Essentially, turn the wood round, drill a hole big enough to insert the HSS, glue in place.

1. Center the wood blank on the lathe between a drive spur and a live center
2. Turn the blank round
3. Embellish to make it yours - in this photo, I've used a burn wire to mark the end
4. Insert one end in a chuck, being careful not to mar the wood
5. Using a drill chuck or a drill, drill a hole the appropriate size for the HSS.



## Drilling a hole for the HSS

1. Use the next size up drill bit
  - a. For the 1/8, use 11/64
  - b. For the 3/16 use 1/4
2. Clamp the handle to use a drill or place in a chuck and use a Jacob's chuck
3. Mark the depth on the drill bit. Drill a third of the length of the HSS, or approximately 4/5", into the handle.

## Glue HSS into handle

1. Use epoxy or CA glue to set the HSS into the handle.
2. Let cure for 24 hours before using.





# CLUB INFORMATION

## TSW CLUB OFFICERS

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woodwackerjeff@aol.com		

Next months meeting will  
be on Aug 16, 2025

**Next month's challenge will  
be to turn a lidded box**

IF YOU HAVE ANY IDEAS FOR A MONTHLY  
CHALLENGE, PLEASE CONTACT ERIC SCHAFER  
ESCHAFER27@COMCAST.NET



President, Doug Spohn

## TREASURE'S REPORT

Beginning Balance—June			<b>4067.81</b>
	Income		204.00
	Raffle	104.00	
	Dues	100.00	
	Donation	0.00	
	Expenses		310.00
	Donation	0.00	
	Insurance	0.00	
	Guest Turner	250.00	
	A/V Equipment	0.00	
	Gift Certificates	60.00	
	Ending Balance		3961.51
A/V Special Contribution Fund		164.00	

The following sponsors give generously to Tri-State Woodturners and we want to encourage members to support them generously  
Ask about their discounts for AAW club members



5824 Brainerd Rd., Chatt. TN 373411 + (423) 710-8001

Cuts and Scrapes



# 2025 TSW Club Challenges

Each member that brings a “Challenge Piece” and signs it in at the meeting, for the month of the challenge, is entered into a drawing for a gift certificate. You may do what was demonstrated the previous month as well. Doing the challenges provides you with experience in trying something new and will give others ideas of what they can make. If you previously made

Month	Item	Month	Item
January	Gavel or Mallet	July	3 Penguins — Father, Mother,
February	Toothpick Holder	August	Lidded box
March	Off center	September	3 Snowman — Father, Mother, Child
April	Napkin ring	October	
May	Vase	November	Ornament
June	Mirror		

## July TSW Club Challenges

### Jerry Reed

Jerry did a great job with his Penguin family. They were created out of Walnut and Maple with a Poly finish



# Show and Tell



**Jeff Brockett**

Jeff turned these 2 platters.  
1 out of Cherry and 1 out of



**Jim Smith**

Jim turned this hollow form out of  
Ambrosia and Maple



# Show and Tell



Gary Farlow

Gene Payne



# Show and Tell

Gene Payne



Seth Eichenberger



# Show and Tell

**Tim Mehling**



**Jim Smith**

