

TRI-STATE WOODTURNERS



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Meeting Location:
8361A Dayton Pike
Soddy Daisy TN
(Horsin' Around fac.)

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Cuts and Scrapes

WWW.TRISTATEWOODTURNERS.COM

AUGUST 2016 NEWSLETTER

Mike Peace

Demonstrator for August

Mike Peace took up turning in 2007 and enjoys every aspect of it, but especially teaching and demonstrating.

He is a member of the American Association of Woodturners and active in three woodturning chapters in the Atlanta area where he has served as President, Secretary, Newsletter editor, board member, demonstrator and workshop facilitator. You can download articles he has published on woodturning at <http://mikepeacewoodturning.blogspot.com/>

He also maintains a YouTube channel where he posts a woodturning tutorial each Friday at: <https://www.youtube.com/c/mikepeace356>

Woodturning is more than bowls! Mike Peace, from Suwanee, GA will demonstrate a **two piece coffee scoop** and several small spindle projects including an angel ornament, a light or fan pull, and more. He will also discuss some basic surface embellishment.



Tri-State Woodturners an official chapter of AAW

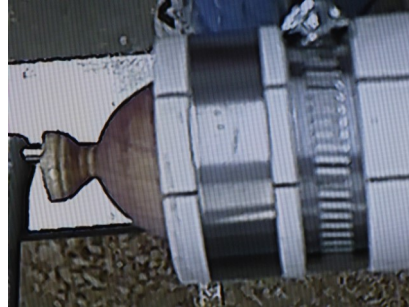


July TSW Meeting with Doug



Doug Spohn

Doug demonstrated how he makes eggs and then showed step-by-step how to create the jig to hold them using PVC pipe



President's Corner

Remember this August meetings presidents' challenge is a platter. Doug did a great job demonstrating at the last meeting. We have a lot of great talent in TSW's and I really enjoy seeing our members step up and bring new ideas to the table.

Finally shop safety: Avoid Distractions: Distractions are a part of everyday life,

and working in the wood shop is no different. When you are summoned or distracted while in the middle of performing an action with a power tool, remember to always finish the cut to a safe conclusion before dealing with the distraction. Taking your attention away from the woodworking tool is a recipe for disaster.

Treasurer's Report Club Challenge

Starting Balance July 1, 2016	3,168.62
Income	241.00
Snacks	28.00
Dues	40.00
Raffle	73.00
Shirt sales & laser	100.00
Expenses	245.97
Video equipment	41.48
Snacks	5.00
Chair rental June	24.69
Shirt purchase	174.80
Ending Balance July 31, 2016	\$3,163.65



August challenge is a Platter

For September the challenge is a candle holder



TSW Meeting July 16, 2016



Next TSW Meeting is Saturday the 20th of August at 1:00 P.M. Don't Miss it!

Club Challenge



Left to Right made by Art Parry,
Tony Suarez, Bev deYampert



Second row Charles Jennings, & Les Isbell
on Left, John Dekle on Right

Bottle stopper July challenge & clock for June challenge

L to R Tony Suarez, Bev deYampert,
Charles Jennings, bottom row

John Dekle & Les Isbell





↑ Bob Hough ↑



↑ Bob McElhanev ↑

↓ Charles Abercrombie ↓

↓ John Dekle ↓ and the bottom three



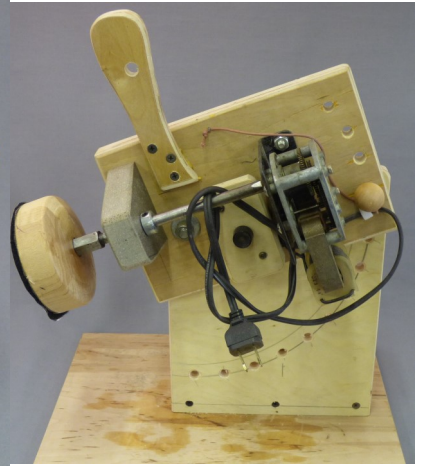
Instant Gallery



↓ Charles Jennings ↓



↓ ↑ Charles Helton ↑



↓ Dieter Kuberg ↓



Bottom 3 Les Isbell





↑ Doug Spohn ↑

↓ John Lucas ↓ →



MORE WOODTURNING MAGAZINE

YOUR MONTHLY ONLINE WOODTURNING MAGAZINE

Navaho Border Patterns for Segmented Turning Feature Rings

by Bill Kandler

You know what they say about idle hands...

This spring, I got to thinking about doing a Navaho border pattern for a new project. I started playing with the cutting angle and make up of the diamond, the width of the slice, and the size of the saw kerf. In doing so, I came to realize that there's an awful lot of variability in the result that comes from being able to change each one of these items. So many were the variations, and the results differed so much from the starting point, that I came to the decision that I needed to put together a model of the process.

A model so I could see what was going on. And, when you have a model, you get to make the rules. Did I say rules? No, I meant to say no rules. The border pattern is usually made with a double border. But what would it look like with a single border or a three-part border? Wow! Here are four examples to show what I mean:



Starting Diamond Sliced Result

Figure 1



Figure 2

Figure 1 is a 30 degree diamond with a double border. The slices, 1/8" thick, are cut with a bandsaw. It results in a kind of snowflake appearance because the inner border color matches the surrounding material. Figure 2 is

a 40 degree diamond with no distinct borders; just color and contrast. Again the slices are 1/8" thick and cut with a bandsaw. The result is truly wild. Figures 3 and 4 are 45 degree diamonds with a single border. The border is narrow in Figure 3, 1/8", while it's 1/4" in Figure 4. So, how does one go about constructing such complex segments? Read on...

August 2016

Start by assembling the lamination board. For this step it is important to mill all the stock to the same width, which makes it much easier to get everything lined up. The first wood is the middle, which is then flanked on either side by the next wood, which is then flanked on either side by the next wood, and so on. You should end up with something that looks like this:

Now set up your saw for making cuts at the angle specified in your design. For this one, it's 30 degrees. Also set up a stop block so that all the strips will be cut at the same width. And, be sure the saw blade is 'dead on' vertical. The lamination board needs to be as long as needed for the strips plus some extra for safe handling during the sawing operation. After sawing, you now have this assembly of pieces:

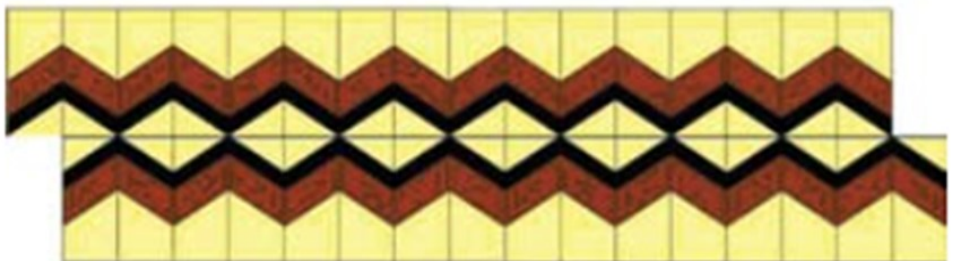
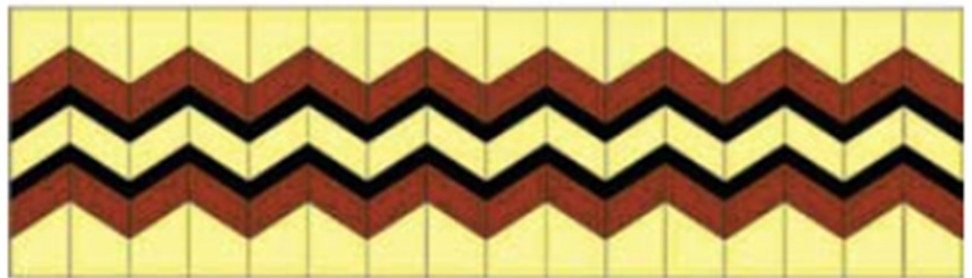
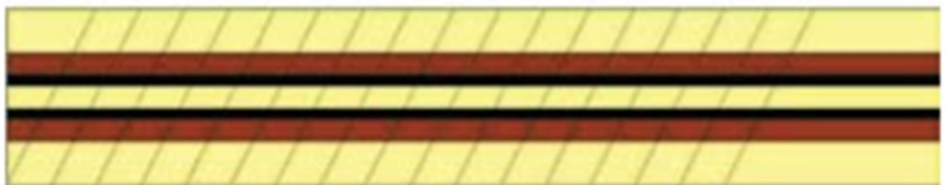
Now take alternating strips and turn them over (left to right or right to left) and you have the Diamond pattern shown below. At the least, you now need to glue the strips into pairs. But for safety in processing, it's a good idea to then assemble the pairs together temporarily using hot melt glue or an equivalent. Do this against a straight edge so you can be sure that all the points line up. If they don't, you won't be able to get the points to line up in the ring you later construct from the Diamonds.

Now you have a set of ZigZags from which you make Diamonds. But first trim off any excess material from the top and bottom of the design.

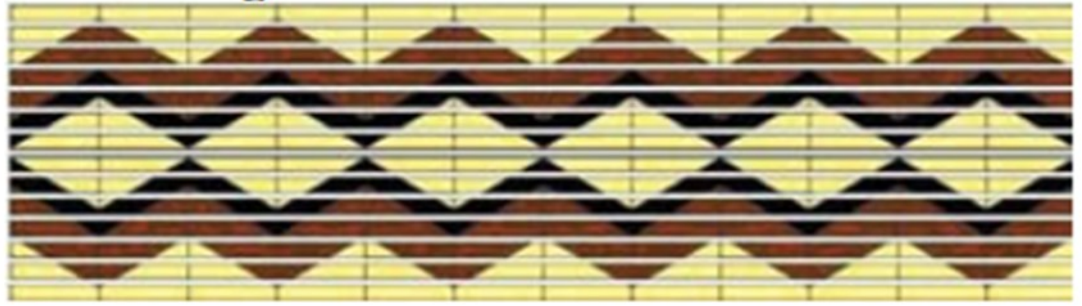
Now locate the exact center (vertical) of the design and cut the entire assembly into two horizontal halves and slide the top/bottom to the left/right to reveal the diamond pattern. Phew! Now we can finally start slicing.



Figure 3

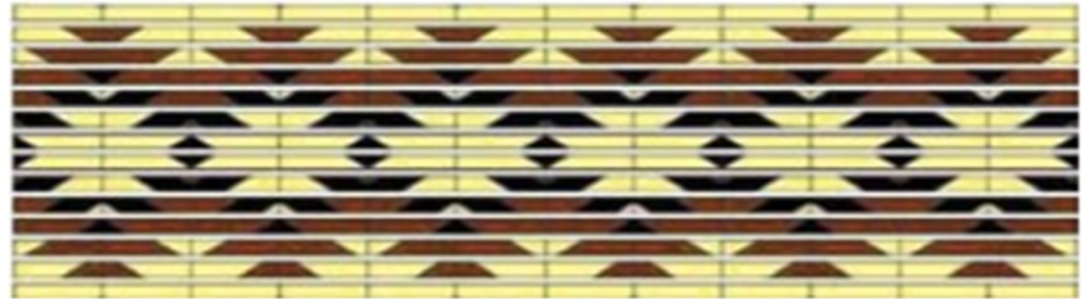


Set up your slicing situation with a sawing fence with the appropriate spacing between the fence and the saw blade. Starting from the center of each half, slice away until you have exhausted the stock. Do this for both the top and bottom halves. Oh!, and keep track of which slice goes where.



Now, flip each slice over, top-to-bottom.

Last step! Carefully glue all the slices together, taking care to keep the pieces vertically aligned. One way to do this is



to clamp blocks across the ends of the slices. This will keep things from moving around as you clamp along the strips. You can't use too many clamps for this activity. With a good slicing blade and really hefty clamping pressure, you'll find that there is no need to sand the slices before gluing.

All that's left to do now is make the pieces into segments. That's likely a two step process as you first need to break the glue-up down into segment blocks and then make the miter cuts. The trick here is to be sure that you make the miter cuts so that the two halves of each Diamond unit are identical. Otherwise you won't be able to get the points to line up in the ring. Now, you're almost ready to go off and try this out for yourself. And to make sure you really can, and do it easily, I've created a new designer as a Plug-In for my Segmented Project Planner that does it all with Diamond design, slicing, and detailed construction instructions (you just read them). Want to slice something else? Well, there's also a pure Slicing designer, as well, that helps you to slice virtually anything you can construct.

About the Author:

Bill Kandler is an accomplished segmented turner and designer of some Segmented Turning software program.

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