



Shavings

Hill Country Turners Monthly Newsletter



Volume #19

Issue #11 December 4, 2014

Next Meeting, Christmas Party

Inn of the Hills, 6:00 Thursday, December 11, 2014

After that, Next Meeting, January 8, 2015

MEETING PLACE

Hill Country Turners meet in the basement at the KACC (Kerr Arts & Cultural Center) at 228 Earl Garrett, Kerrville, Texas at 6:00 pm on the 2nd Thursday of the month. The formal meeting starts at 6:30.

Hill Country Turners Meeting Notes – November 13, 2014

President, George Taylor called the meeting to order. Guests and new members were introduced and welcomed.

Treasurer's Report from Will Aymond

Checking Account Balance \$3,069.22
Petty Cash Balance \$205.00

Will read a letter of appreciation from KACC. Of the \$600 raised by donated turnings, \$250 was a bowl from Harold Dykes.

Membership dues are due in January. Blue Santa donations will be accepted at the Christmas Party. Checks for Blue Santa donations should be made out to K.C.P.A.A.A.

Board Activities

The board is scheduled to meet before the Christmas party.

2015 Club Officers

George presented the 2015 Club Officer nominations:

President	George Taylor
Past President	Ken Morton
1 st Vice President	John Stegall
2 nd Vice President	Kathy Roberts
Secretary	Joel Haby
Treasurer	Roger Arnold
SWAT Director	Tom Canfield

There were no other nominations. The motion was made and seconded to vote the nominees into each office as presented. All agreed.

Upcoming Meetings

December 11: Christmas Dinner at Inn of the Hills
Don't miss the great food and awesome company!
Gift Exchange (If you choose to participate, bring one of your turnings.)

January: 2015 Snack and Drink List
Suggestions for 2015 Programs

Open Shop: James Johnson will host an open shop on **December 13th, starting at 10am.** The topic will be “How to Cut a Log to Get the Best Turning out of it”. An old map to James and Anna’s homestead is included at the end of this newsletter. We can issue a newer and flashier one if needed, but this should do the job.

Demo Notes

Raúl Peña, Chambered Nautilus



Raúl began his demo with sharing that the first nautilus shell he created was traded for another person’s piece. The second one, a multi axis turning, he traded with Andi Wolfe (the botanist who turns bowls and carves them into lifelike leaves) for one of her pieces. The second one he thought he had created something original, just to find out that he had just mimicked nature’s *Cimomia* shell! The third shell he made, the grain matched all the way around.

Like all turning projects, you have to start with a plan. Raúl practices with pine 2x4s and he has decisions he makes at the beginning of each piece. He needs to know the size first. The he uses a string to follow the line on his sketch. The length of his string is a dimension he uses in his calculations of how long the piece of wood needs to be. The length of the wood is based on whether or not you want the grain to match all the way around. If yes, use the full length of the string. If not, use half the length of the string.

The first step is to cut the 2x4 to length. Notice the center of rotation. Raúl’s first multi-axis method used a face plate template with a drilled hole for drive to go into. He does not recommend this method for multi-axis turning because it is unbalanced and difficult to turn.



Raúl has developed a second method where he uses a 2x4 spacer bolted between 2 blanks. The resulting jib is not off balance, and putting blue tape around the ends covers the bolts so you know where they are and don’t cut there. Each blank is reversed to turn the opposite side. This setup produces two multi-axis turned shapes without the unbalance. Once you have your long tapered cone turned, cut away the bolt ends and you are left with a cone that is ready to cut in segments. Using a bandsaw, the goal is to cut the segments all in one plane, i.e. rotate the cone exactly 180 degrees between each cut. If you are not matching the

grain, cut the segments with the bandsaw table tilted to 1/2 the angle of the X axis. [Note: You can make segmented curls if you leave the bandsaw table flat (no tilt).] For segments where the grain matches, tilt the bandsaw table 1/2 the angle of cone PLUS 1/2 the angle of segment.

Raúl walked through an example with a cone angle of 10 degrees and a segment angle of 16 degrees. The first cut would be with the bandsaw table tilted to 1/2 the angle of the cone PLUS 1/2 the angle of the segment (5+8= 13 degrees). The second cut would be with the bandsaw table tilted to 1/2 the angle of the cone MINUS 1/2 the angle of the segment (5-8= -3 degrees).

Once all the segments are cut, Raúl showed how you can hollow the inside by removing the core of the segment. Carve out the inside and sand. Next Raúl demonstrated how he pairs up segments, sands the space between and the glues the two together. He showed how he clamps the segments together with black and orange spring clamps. When the glue has dried on the pairs, Raúl sands and glues those pairs together. He sands the exterior of the segments and brings the shell to final thickness by shaping the interior surfaces. Raúl suggests beginning by gluing the two smallest pieces together first. He shapes the interior of shell until 2 remaining pieces fit together.



Once all the segments are glued together, sand inside and out and apply finish. Raúl finishes his pieces with lacquer.



Raúl showed several variations he had tried, including one with curved segment edges. Raúl showed how he cut a 2x4 the same curve as the segments and added sandpaper so he could easily sand the curved segments.



Notes:

- The 2 angles you need to measure are the x axis (horizontal) and y axis (vertical).
- Raúl has a jig to measure the angle, divided by 2 = table tilt.
- Keep the “use” pieces against fence so sharp edge won’t tear out.
- Cut segments on bandsaw using 1/4 inch blade with fine tooth (12/14 tpi), 1/8 inch blade for cutting out segment core.
- The piece only needs to be hollowed/sanded as far as you can reach; however, hollowing all segments makes it more balanced.
- When hollowing the small segments, it might only be a 1/4 inch hole.
- Hollowing all the segments gives glue a place to go other than out of the end.

If you need more details and graphics, Raúl promised to post handouts on the website (or distributed by email).

Show-and-Tell:

George Taylor showed an Oak burl bowl, his first burl attempt. Darrell Korman brought a mesquite pumpkin for Thanksgiving. Vern Hallmark showed a three legged Walnut and Cherry stool to replace the 1 legged stool that kept falling over when he got up and was very uncomfortable upside down. Harold Dykes showed a one piece segmented platter of Mimosa and he turned the pith out of it. (By the way, that is the 10,217th time that old joke has been resurrected.)



Tom Canfield fixed an old segmented lamp done by his grandfather in the ‘60’s or 70’s by skillfully replacing some of the old pieces. Jerry DeGroot could not be found, but some old bearded gentleman told us that Jerry did his Box Elder and Mesquite hollow form as a “prover” piece to prove that he was not an artist. Raúl Peña made us a couple of eggs, one that had already hatched. Bob Caraway, visiting from the Panhandle Turners showed us a three legged stool of Walnut, Oak and Padauk.



Phil Medghalchi showed us a Mesquite bowl with an interesting crack structure. Roger Arnold took the “Harold Dykes” segmented prize for his Myrtle bowl...Way to go everybody!



HCT Mentoring Program

It has always been a practice to encourage new members to visit in the shops of other members to help them get oriented to turning. Now we are offering for new turners a special list of members eager to help along with their area of interest. Even some less-than-new members who would like to talk to someone in a special area might take advantage of the help with special interests

The following members have volunteered to serve as Club Mentors. If you have a woodturning or tool/equipment question, call one of these individuals. They would be happy to help.

Name	Phone	Specialty	Name	Phone	Specialty
Roger Arnold	830-866-3670	Shop Practices	Uel Clanton	830-896-5288	General/Spindles
L. A. Cude	901-355-7046	Lacquer Finish	James Johnson	830-895-4170	All
Joe Johnson	830-896-5924	General	John Jones	830-536-4503	General
K. Longnecker	830-257-6033	Split Turning/Pens	Ken Morton	210-833-7148	Natural Edge
Raúl Peña	830-6342545	General			

This issue of Shavings is dedicated to Kathy Hampton, our outgoing secretary, who made the newsletter a little better and brighter.

Thanks Kathy.

President	George Taylor	(612)670-2607	
1st Vice President	John Stegall	(830) 928-0859	
2nd Vice President	Roger Arnold	(830)866-3670	
Treasurer	Will Aymond	(830) 285-2702	
Secretary	Kathy Hampton	(830) 634-3002	
Past President	Ken Morton	(830) 896-5924	
Special Events	Bill Hussey	(830) 896-8093	
Newsletter	Jerre Williams	(830) 895-3206	
KACC Liaison	Uel Clanton	(830) 896-5288	
SWAT Representative	Jim Whisnand	(830) 755-8603	
Audio-Video Director	Tom Whiting	(443) 243-6933	
Webmaster	Linda Arnold	(830) 866-3670	
Website	http://www.hillcountryturners.org		

THE BIG CHIPS” of HCT 2014

Hill country turners is a chapter of the American Association of Woodturners dedicated to providing education, information and a place to meet and discuss woodworking and woodturning.



From I-10

Go West to exit 501. Turn south (under the Interstate). You are on 1338, Goat Creek Road, take the first road LEFT, which is Holloman. Continue straight (Holloman turns left almost immediately) and the road becomes Wood Trail. Follow Wood Trail as the house numbers get smaller. Roland Trail will come in from the left and shortly you will see # 374, also on the left.

From Junction Hwy. (State 27)

Going West, pass light at Methodist Encampment. Take next right at Goat Creek Rd. and proceed about 1.9 miles, past the KOA and Shalako Estates. A sign on right will warn you of Holloman road, which is the next right. Take Holloman, but when Holloman turns left, continue straight (it becomes Wood trail). Follow Wood Trail up over the hill till you pass Roland Trail coming from left and #374 will be beyond.

