THE VILLAGE WOODWORKER

Volume 23 No.4 **April 2019**

Calendar of Events

April 2	Old Splinters Lunch	Classico's	11:30 AM	
April 4	General Meeting	Yacht Club	7:15 PM	Wood Cutting – Jack Ernst; celebration for senior members
April 20	Board Meeting	Sloan's	8:15 AM	All members welcome
April 23	Wood Cutting	POA Yard		
May 2	General Meeting	Yacht Club	7:15 PM	TBD
May 7	Old Splinters Lunch	Classico's	11:30	
May 25	Board Meeting	Sloan's	8:15 AM	All members welcome
September 18	Club Picnic	Tugaloo Pavilion		Details to follow

Board Meeting Highlights

The TVWC Board met on March 23, 2019. Twenty-four members were in attendance. The following items were discussed and, as appropriate, acted upon.

Treasurers' Report Current balances are: Club Operations - $3005; Wood Operations – ($31); Special Wood Fund - $1293; Kiln Amortization Fund - $4500; Toys for Tots - $159. Total Ending Balance: $9226.

Community Service Projects There have been three new projects this month with two projects completed and one still open.

Membership Report There are 189 members on the rolls. 40 letters have been sent to last year's members who have not renewed their membership. Only three members have responded with renewals. Don Schmid will send out a final reminder to those members who have not renewed their membership.

Programs Only one member of the club has shown an interest in participating in the Tennessee Craft Show so the club will not be participating.

Lynn Dudenbostel was scheduled to make a presentation on the making of mandolins at the April meeting but had a conflict and has

rescheduled the presentation for the August meeting. Jack Ernst will make a slide presentation of a typical wood cutting at the April meeting.

N. Wilson presented the requirements for the Spring Challenge which is “Mixed Media”.

The Program Committee is functioning short of personnel so we need someone to step forward to assist with this critical job.

Club Kiln The drying cycle for the current kiln load is expected to be completed the first week in May.

There have been problems with the computer for the kiln monitoring system. The computer club is trying to figure out why the Wi-Fi signal will not come up to full strength on the computer.

Wood Inventory There is 345 bf of good oak and 190 bf of cherry in the kiln. The remainder of the kiln is filled with questionable oak boards that are infested with worms. There are still some western cedar and pine boards stored outside the kiln along with some birch logs that are available for the taking.

Wood Sale Much discussion was held concerning the effectiveness, yield and costs of our wood cuttings. Ron Cirincione noted that his wood sale projections show that 75% of the lumber cut ends up sold as good boards. Some of our losses due to bug infestation that could be minimized by spraying the logs and the ground. Concern was expressed for the amount of lumber log donators received from their donation. A motion was passed that a donor of a log should receive no more than 25% of the yield of the donated log. A committee was formed to develop a better-defined procedure for donated logs and lumber sales in general – member comments should be directed to Ron Cirincione. Once the new procedure has been finalized, it will then be added to the Resource Book. It was also noted that the manpower at the past several wood cuttings has not been equally distributed with the second shift being short manpower.

Wood Cutting The next wood cutting is scheduled for April 23 however the current kiln drying cycle is not scheduled to be completed until the first week of May.

A super-sized sycamore log is schedule to be cut next and this must be done on the POA pad. D. Hoffman and B. Fagerlin will work out the delivery and cutting of the cross sewn sycamore log. Depending on the sawyer’s schedule, we may need to air dry lumber until the kiln is available.

Miscellaneous Patty Authement needs the cost of boards for a laser project. D. Hoffman will provide the information or the boards needed.

J. Mattavi who houses the club’s band saw has asked for someone to take ownership of saw since he is gone for several months during the winter. There are two 1” replacement saw blades available for the band saw.

General Meeting

Les Brown, member of the Cumberland Woodworkers Club, came to speak about his techniques for making celtic knot rolling pins. He developed his own jig to facilitate inlaying wood to make the knot pattern (see Tools and Tips).

Examples of Celtic Knot Patterns

Les Brown talking about making celtic knot rolling pins

Examples of bangles and earrings made by Les

Les invited our members to visit the Cumberland Woodturners meetings (both club and instructional classes. Information can be found at their website www.cumberlandwoodturners.com. Members are also free to contact Les via email (txtnretired@frontiernet.net).

Trip to the Fab Lab

by Jack Ernst

A group of Tellico Woodworkers Club members had the opportunity to tour the University of Tennessee's unique Fab Lab this March. The 20,000 square foot Fab Lab in Downtown Knoxville compliments' UT's 161,650 SF main innovation facility on campus. UT has a 3,600 SF woodworking fabrication shop equipped with a wide range of industrial equipment including a European horizontal lathe, helix planer, CNC router, band saws, panel saws….

Nick Stawinski explains process for creating a design model, using design software and a CNC router, for a proposed building next to Mast General Store

Nick Stawinski, who teaches furniture design in addition to shop supervision, guided the Tellico Woodworkers on the tour. He explained that students can explore robotics, get hands on with 3-D printers, and a laser cutter. In addition, the Fab Lab has an x-axis mill, vacuum former, CNC routers, and an industrial grade water-jet cutter. How cool is it to cut through 4-inch thick titanium with a 55,000 PSI stream of water and garnet-laced grit moving at 700 MPH!

Students can design, create and model their innovations using state of the art software and technology and build full-sized experimental prototypes. They can collaborate with nearby partners including Oak Ridge National Laboratory and TVA.

Nick and the TV Woodworkers watch as the Fab Lab's industrial grade water-jet cutter slices through plate steel.

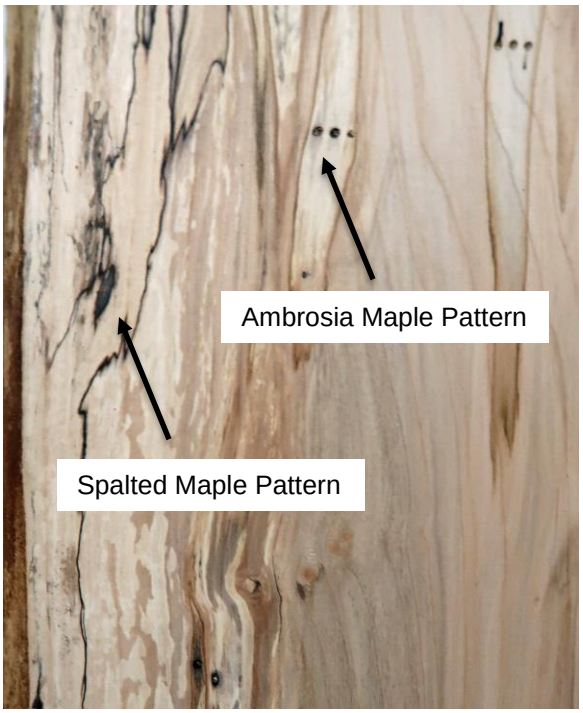
Mark your calendar for November 7th. In response to Ned Miller's thank you email to Nick, David Matthews, Associate Dean, agreed to give a presentation on the design process at our November meeting!

Members now get a discount at Sherwin Williams in Lenoir City.15% minimum, 25% on paint and up to 40% on special items. Just mention that you are a member to get your savings!

Did You Know *by Lloyd Donnelly*

Ambrosia maple results from a tree attacked by ambrosia beetles which bore into the tree can carry in fugus that causes discoloration in the bore holes.

Spalting occurs in the initial stages of decay where fungus attack results in contrasting lines and streak patterns in the wood. Drying the wood prevents further decay.



Spring Challenge 2019 Guidelines

Project – Mixed media, wood with two additional materials
Wood – Any species desired
Epoxy – Liquid with hardener that becomes hard and can be machined or formed into a desired shape within the final piece
Metal - Whether machined or inserted into the piece, it must be an integral part of the project
Glass – Incorporated into the piece as an important component to the overall statement to the completed exhibit
Finish – Varnish, oils, polyurethane; not included in the 2 additional materials

Lumber Distributed to "Pre-buyers"

by Lloyd Donnelly

On a cold March 5, about 20 club members met at the kiln to take possession of the maple and walnut they had previously pre-bought. The club offered all members an opportunity to pre-buy some premium lumber (ambrosia maple, walnut, and quarter sawn sycamore) last Fall at $2.50 per board foot (bf). Based on the response, the club used the

money received from the pre-buyers to buy several logs. The maple and walnut logs were cut into lumber in February and then dried in our kiln. The sycamore will be processed at a later date.

The pre-buyers of the maple and walnut organized themselves into teams that unloaded the kiln and then assessed each board for quality and usable bf. The total usable bf of each species was then compared with the total amount pre-bought to get a "yield percentage". This yield percent was then applied to each pre-buyer's commitment. For example, the yield percent for the maple was 93%, so each maple pre-buyer received approximately 93% of the amount they had pre-bought and then re-funded the difference. The yield for the walnut was about 70%, but additional logs have been promised to the club (at no cost) by the log vendor to make up this shortfall. These logs will be processed at a later date.

Overall, the quality of the lumber was good to very good, with a large portion of the walnut being excellent. After all the good lumber was distributed, several boards that had been graded "special", because of either their figure or size, were auctioned off by club auctioneer Tom Borloglou. The auction was high spirited with two virtually flawless 15-inch-wide walnut boards going for $5.00 per bf.

Two club members, Dick Hoffman and Ron Cirincione have been instrumental in making this pre-buy program a success. Dick located the log vendor and has developed the excellent working relationship with him; a relationship that will serve us well in the future. Dick also conducted the survey of interest with our club members. Ron has managed all the finances and kept track of each individual's commitment and allocation, assuring that everyone gets treated fairly. Thank you Lloyd for your help in developing the process and Dick and Ron for your extensive efforts to make this first of a kind program work so well.

From Our Members Shops

Cedar Advent Tree – Chris Campbell

Maple, Walnut and Cherry Boxes – Don Schmid
Made with Convex Curve Cutter Jig (club owns one): Interior walls are concave as well

Walnut and Bamboo Tray – Marty Shoffner

Cherry and Cherry Veneer Table – Dave Breen

Poplar and Oak Guitar Stand – Thom Lewis

Community Service Project

POA Door Prize Award Wheel Built by Don Schmid

New Members

Don’t miss the opportunity to welcome them at our club meetings!

Buddy Hengley
Lives in Ten Mile, TN and worked at Oak Ridge. Current member of the Smoky Mountain Woodturners and would like to learn more at our club.

Doug Drew
Originally from Midland, MI, now lives in Toqua. A golfer and sometimes woodworker. He has built Kayaks.

Mark Harrington
A Michigander from E. Lansing and former contractor of custom log homes in Colorado. He is interested in wood turning.

Sal Lobello
Has lived in the village for a number of years. Originally from Queens, NYC. Looking forward to putting together a shop in his new home. Needs ideas on building a workbench

Tom Davey
A former utility company engineer from Saginaw Michigan now lives in Vonore. Has been doing off and on woodworking over the years and looking forward to learning the “fancy” stuff.

Tools and Tips

Celtic Rolling Pin Sled Building Instructions (Les Black – Cumberland Woodturners)

Bill of Materials

1 – ⅜" x 12" x 24" Baltic plywood
1 – ½" x 3 ½ x 3 ½" pine
1 – 1 ½" x 3 ½" x 7" pine
1 – 1 ½: x 5 ½" x 7" pine
2 – ½" x 2" x 2" ply to shim up toggle clamps
2 – vertical handle toggle clamps

⅜" plywood can be substituted by another thickness – not critical

Cut slot in plywood next (Figure 2)

Place the pin across the saw cut in the plywood, line up the layout marks on the pin with the saw cut, and mark the side and end of the pin on the plywood (Figure 3)

This will be the marks to locate the stop blocks (Figure 3), now install the stop and push blocks

Cut two pieces 1/2" ply to shim up the toggle clamps (Figure 1)

With the sled completed, you are ready to start the rolling pin glue up

Set the saw blade height so it does not cut thru the pin blank about 1/16" wood left; mark one end of the pin blank on the end closest to you to ensure the cuts line up

Make the first cut and glue the contrasting wood for the celtic knot; the material for the celtic knot needs to be the same thickness as the saw blade; repeat on the remaining three sides and you are ready to turn the rolling pin

Figure A Celtic Knot Sled

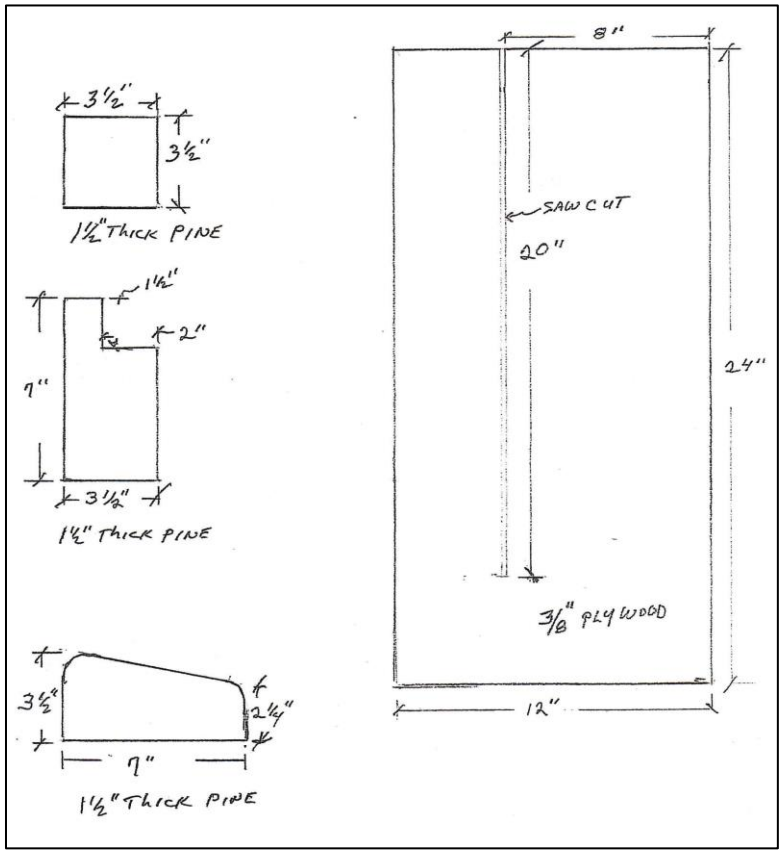


Figure B Materials for Celtic Knot Sled

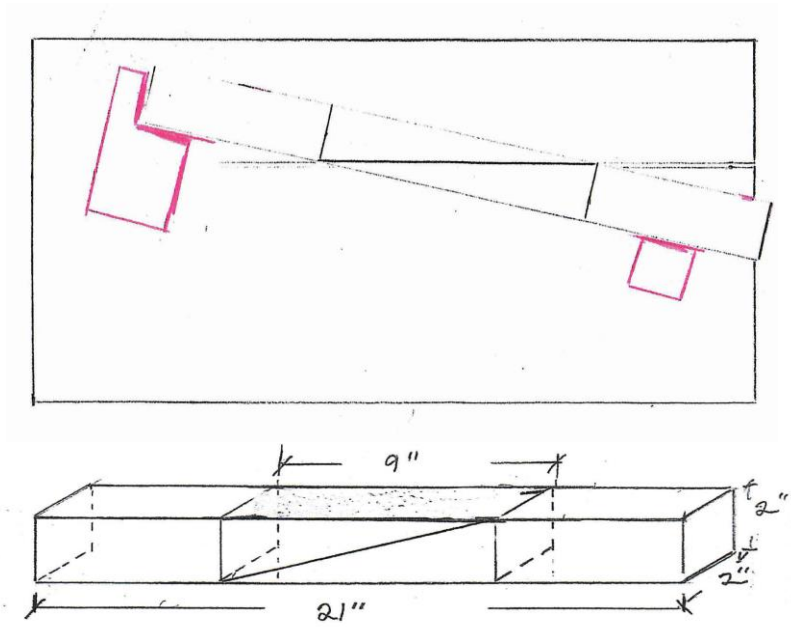


Figure C Stop Layout and Rolling Pin Blank