



Volume 27 No. 4

April 2023

President – Bruce Barbre
Secretary – Aaron Cox

Vice President – Nancy Kessler
Treasurer – Jack Ernst

Editor: Glenn Nief **Email:** Glenn@TreeToBox.com
Co-Editor: Jerry Noeth **Email:** jerryn161@comcast.net
Photographer: Ben La Pointe **Email:** benclapointe@gmail.com

Website: www.tvwoodworkers.com
Club email: tvwoodworkers@gmail.com

May 2	General Meeting	Yacht Club	7:00 PM	The Lacy
May 25	Business Meeting	Little Italy	8:15 AM	All Members welcome
June 6	General Meeting	Yacht Club	7:00 PM	Spring Challenge (Something for Kitchen)

Highlights: April 2023 Tellico Village Woodworkers Business Meeting
About 25 members met at Little Italy restaurant on April 22, 2023.

Service Projects:

Bruce Barbe reported that cabinet plans for the Steekee school project have been updated and sent to the school principal for approval. Bruce also indicated that there's still a need for sub team coordinators.

The Kahite Garden Club has requested (2) new benches to replace the old benches they currently have. Aaron Cox volunteered to coordinate the effort.

Ramp Builds: (1) Ramp build completed in April and (1) modification needs to be done.

Treasurer: Jack Ernst reported the club received \$400 in donations this month. Total balance to date is \$18368.

Programs: Ned Miller reported Jackie Vance will present at the May meeting. Ned is also finalizing plans for a shop tour May 9th at Keystone Kitchens in Maryville.

New Business:

Jack Ernst reported that the club currently is not a legal entity, and the club has no legal right to any of our club tools as we're a "social club". A small group of members will investigate and verify if the club should pursue filing as a simple non-profit organization.

Bruce Barbe will add additional verbiage to Contract Service Requests emails to add feedback requests to the submitters.

May 2 Presentation

The Lacy - Jackie Vance

Jackie Vance is an artist who works at The Lacy in Lenoir City. She will demonstrate techniques for painting furniture.



The Lacy
101 East Broadway , Lenoir City



April 4 Presentation

Kiln Operations - Larry Gardner



Discussion and Questions:

- The club built the current kiln drying chamber which holds ~ 1000 BF of lumber in 2011. The commercial drying unit in the kiln has the capability to dry up to 4000 BF if we ever decide to expand.



- The kiln is monitored daily and adjustments are made as needed due to the weather conditions impacting the drying process.
- Boards of different thicknesses dry at different rates. The kiln is operated to optimize the drying of 4/4 (one inch thick) boards to 12% moisture. If thicker lumber is in the kiln those boards will not be completely dry. For example 8/4 thick boards take 2.5 longer to dry than 4/4 boards. The thicker lumber requires a slower drying rate to achieve high quality wood. The slower rates allow the moisture to move from the center of the board to the surface where the water can be removed without setting up internal stresses.
- Every species of wood has an optimum drying rate for speed and wood quality therefore the average drying times vary depending on species. Wood species with similar drying rates can be loaded into the kiln at the same time. For example Cherry and walnut take about 5 weeks, Oak takes about 12 weeks and fast drying wood like poplar is usually dry in about 2 weeks. Species are grouped by their drying rates. It is not recommended to mix different groups in the same kiln load.



April 4 Presentation

Kiln Operations - Larry Gardner

Discussion and Questions: (continued)

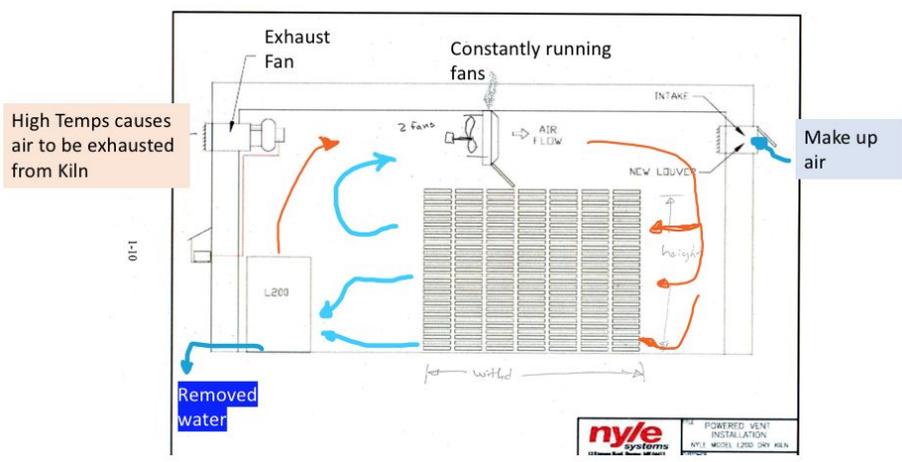
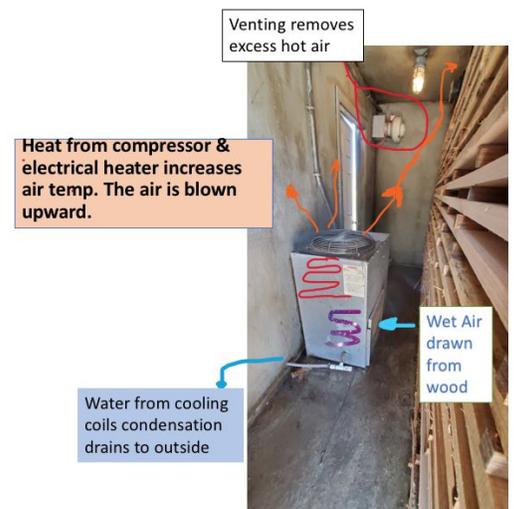
- The driving force to move the water out of the wood is the dry bulb and wet bulb temperatures. The larger the gap between the two means the air is dryer and can remove the water faster. If the wood is dried too fast then internal stresses will cause wood defects such as checking, splitting and warping. Slow drying rates promote mold growth.
- A bug kill is done at the end of the drying period by raising the temperature to 145 degrees for at least 24 hours which kills the bugs and larvae.
- Kiln drying is significantly faster and better controlled than air drying. Air drying lumber depends on the outside weather. Stacking the lumber outside during hot and humid conditions allows for mold and bug growth. During low relative humidity conditions the wood may actually dry too fast causing low quality wood.
- Large slabs of wood are mostly dried outside because most kiln operators do not want to tie up their kiln for long periods of time. The 4 inch thick slab of wood that we cut last summer would have taken over a year to completely dry. If it was dried in the kiln then other loads could not have been dried.



Dry Bulb Temp probe on right side of wood stack.



Wet Bulb Temps are measured from a temp probe inside of a wet cotton sleeve



Woodworking Club Orientation

- Mike Lynch and Tom Borloglou



This May at the Chota Rec Center, room C at 10 am on Friday, the 12th, and again on Wednesday the 17th, the Club will offer an "Orientation to the Club" program. The Orientation will be approximately an hour long; held separately from our monthly meetings and hosted by a club veteran. The session will be comprised of a structured introduction to the many aspects of the club and also offer attendees the opportunity to introduce themselves more personally to new and other members in similar circumstances. The Orientations will be open to all members on a first come first serve basis and will continue throughout 2023 as needed.

What: Tellico Village Woodworkers Club Orientation.

Where: Chota Rec Center Room C.

When: May 12th and May 17th both dates at 10:00 am.

Club members can attend one of these Orientation meetings by contacting:

TOM BORLOGLOU - borlo@mindspring.com

MIKE LYNCH - mikelynch897@gmail.com

Woodworking 101 Hands on Learning - Dick Hoffman

Woodworking 101 is designed for novice or woodworkers that may have minimal skills. It focuses on teaching the basics of woodworking: shop and tool safety, the fundamentals of machine use, and basic woodworking techniques.

The classes are designed to give new woodworkers basic skills and confident to get into woodworking. More intermediate and advanced skills development is the objective of the Club's ongoing mentoring program.

Currently, Dick is organizing experienced mentors to create classes for Novice Woodworkers.



Member participation requests

Historic TVWC documents/items volunteer request

The club is revising the role and activities of the club historian, and is looking for volunteers to assist in converting archived print materials to digital media. If you have access to a scanner and are available to help us digitize our historical records,

Contact Ben La Pointe, benclapointe@gmail.com

2023 Picnic Coordinator:

2023 Picnic coordinator. **Contact: Bill Nance williamnance77@gmail.com**

Meeting Programs:

Requests for future program ideas - *Neal Wilson*

At every meeting we try and have a guest speaker, or member participation event. If anyone has a program idea, or wants to provide a certain woodworking experience you have, **Contact Neal Wilson crawil@charter.net**

Meeting Programs

Backup needed for Programs - **Contact Ned Miller tenned@gmail.com**

Log hauling.

Volunteers needed for hauling logs - **Contact Bob Brown xpat@charter.net**

Wood sales

Backup needed or wood sales - **Contact Nancy Kessler smallpaws2008@gmail.com**

Steekee School Cabinets

Volunteers requested - **Contact Bruce Barbre bruceb612@gmail.com**



Tellico Village Woodworkers

2023 Spring Challenge

This year our challenge is to make something that will challenge us in a unique way. The challenge is to create a project that can be used in the kitchen. We are challenging you to be creative, original, distinctive, decorative and useful all at the same time. They can be useful items that are associated with kitchen activities and organization around the kitchen. Examples include, but are not limited to the following items:

- | | | |
|------------------|---------------------|---------------------------|
| o trivets | o cookbook stands | o spoons |
| o trays | o spice racks | o salad tongs |
| o cake stands | o knife racks | o salt and pepper shakers |
| o plate chargers | o appliance garages | o white- or blackboards |

Our Judging Categories:

- # Best Craftsmanship
- # Best Original Design (Creative, Imaginative)
- # Distinctive (Eye Catching, Appealing)
- # Best of Show

Awards will be made in each category. Voting members in attendance will determine winners.

The Challenge will commence immediately with the final exhibition taking place at the June 6th General Meeting at the Yacht Club.

Rules:

1. Projects must be present for consideration of awards. Photographs of projects not present may be shown but are not eligible for awards.
2. Wood should be the primary component, but needn't be the only one.
3. The project may be finished in any manner that is safe and non-toxic.
4. More than one member may participate in building a single project.
5. Entry must identify the name(s) of the builder(s).
6. Entrants may enter more than one project, but will be eligible for only one award.
- 7.

Note: there is no need to sign up for this challenge in advance.

Entrants will be invited to discuss their project(s) prior to voting.

We look forward to seeing your project at the June 6 meeting.

Good luck!

Neil Wilson, Spring Challenge Lead

Ned Miller, Programs Chairman

Dennis Smith, Programs Committee

Show and Tell

Wood Carving - Ralph Johnson
Fathers hand carved collection

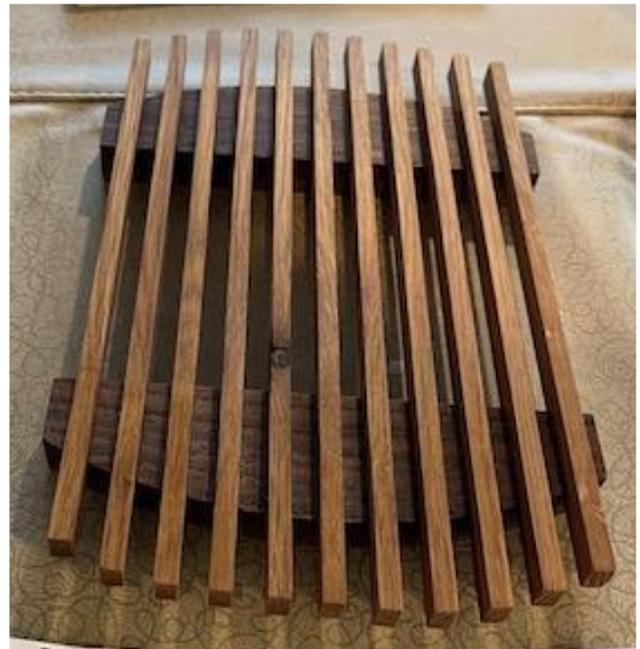


Show and Tell

Bob Ware - Rocking Horse
Made with Poplar and Walnut



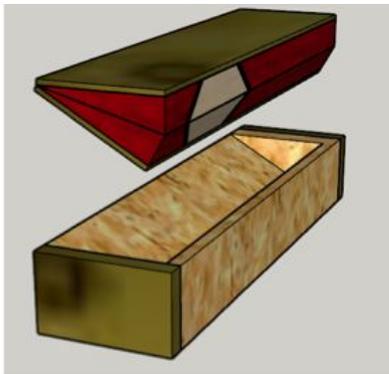
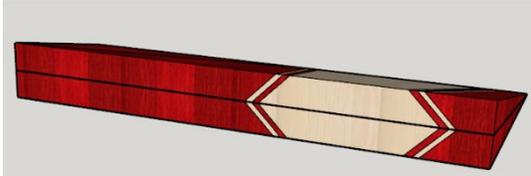
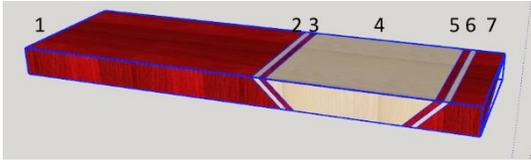
Vicky McLeod - Trivet made with
Dick Hoffman's instructions



Show and Tell

Dick Hoffman - A Segmented Stave Vase

The vase is made from padauk and maple. It consists of 14 staves. Each half stave is comprised of 7 elements and the 2 halves glued together,



Setting the full stave angle

To get the precise angle Dick made a jig to run each full stave through a thickness planer or sander.



Dick Hoffman - Tilt box

The tilt box is a simple box with a slide-out lid. However, there is a simple internal mechanism that prevents anyone from removing the lid without know the trick. To open the box

1. Tilt the box to the left about 30-40 degrees
2. Move the lid out (toward the front) as far as it will go.
3. Move the lid back, just a fraction (1/16" or less)
4. Tilt the box about 30-40 degree to the right.
5. Pull the lid out.



Show and Tell

J. Mike Smith - Intarsia Flowers
Made with Red Heart, Purple Heart,
Poplar, Holly and Yellow Heart



Mike was interviewed by Tellico Village Network.
Here's the Youtube link to the latest episode of Tellico Village Network
series Hand Made. This episode features, Mike Smith, a local intarsia
artisan who makes 3D wooden pictures without using paint.

[TVN Hand Made - Intarsia](https://www.youtube.com/watch?v=6guRqxvtLLc)

<https://www.youtube.com/watch?v=6guRqxvtLLc>

Dan Ramsey - Woodcarving



Woodcutting April 25

