



Volume 27 No. 2

FEBRUARY 2023

**President – Bill Nance**  
**Secretary – Nancy Kessler**

**Vice President – Bruce Barbre**  
**Treasurer – Jack Ernst**

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

**Website: [www.tvwoodworkers.com](http://www.tvwoodworkers.com)**  
**Club email: [tvwoodworkers@gmail.com](mailto:tvwoodworkers@gmail.com)**

**March 7 General Meeting CANCELLED**

**March 25 Business Meeting Little Italy 8:15 AM All Members welcome**  
**April 4 General Meeting Yacht Club 7:00 PM**  
1. Kiln program - Larry Gardner  
2. New orientation program  
- Ned Miller

---

### **Business Meeting Highlights**

February 25 (about 22 members attended)

**Kiln:** Larry Gardner reported that 968 b.f. was cut and 135 boards available for general sale.

**Wood Cutting:** A slow start. It was determined that one group of the email contacts was omitted from the messaging.

**Wood Sale:** A new lumber display proposal, wire fencing for board viewing.

**Programs:** **The Spring Challenge will be “Kitchens.”** There is an opportunity for a field trip to Keystone Kitchens, a cabinet manufacturer in Maryville.

**Picnic:** Vince Evans will lead the Picnic again, reserved the Tugaloo Pavilion for Sept. 20.

## **Business Meeting Highlights** - continued

**Audio Visual:** Dick Hoffmann, Ben LaPointe and Bill Nance met with a vendor who had a good AV system offering a trial basis. Dick reported that we will have a cost by the next meeting, and it is estimated to be around \$1000 - \$1500.

**New Business:** We will have a guest who will be showing at “Show-and-tell” his father’s carvings. Ron Cirincione discussed improvements to the general meetings, including the Yacht Club as a venue, and setup. Bob Brown made a motion to establish a committee to evaluate the General Meeting Venue. It was seconded by Ron Cirincione and approved.

Ned reported that the **Woodworking 101 program** will be divided into two components. There will be an Orientation session and a hands on woodworking session. Bill Nance recommended that Ned Miller and Ron Cirincione combine efforts of the program.

Larry Gardner made a motion to rename the **Board Meeting to Business Meeting**. Bob Brown seconded it and it was approved.

## **Member participation requests**

### **Membership:**

Currently there are 274 members, of which 93 have not yet renewed.

### **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](mailto:benclapointe@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](mailto:crawil@charter.net)**

**Service Projects:** Bill Nance reported for Bruce Barbe that the Steekee School cabinet project had volunteers but no leader/coordinator. Lloyd Donnelly will assemble a budget.

Stu McFadden reported that the James White Ford House in South Knoxville desires sixteen, twenty foot long gutters. Requires three volunteers. This would not be considered a Club Service Project because it is outside our scope.

# February Program

## Accidents in the Workshop - Dennis Smith

Who has not had an accident in the workshop?

What was the outcome?

Minor scrapes or cuts

Major injury

Which leads us to....



## Human Errors/Factors

### Definition

Errors are the result of actions that fail to generate the intended outcomes. Human error is an action or decision which was not intended.

#### Examples

1. Forgetting to remove key from chuck before starting equipment
2. Starting saw with wood touching blade
3. Gluing pieces of wood before checking dimensions
4. Forgetting your password
5. Forgetting to put your cup in the Keurig
6. Or Putting sour sock on the wrong foot - HaHa

## Mistake frequency

Research suggests that regardless of the activity or task,

humans make **3 to 6 errors per hour** and on average 50 errors per day

## Types of Human Error

**Slips and lapses** - made inadvertently

**Mistakes** - decisions subsequently found to be wrong, though the maker believed them to be correct at the time

**Violations** - deliberate deviations from rules for safe operation of equipment (short cut)

# Accidents in the Workshop

- Dennis Smith

## Causes

Lack of training  
Fatigue  
Stress  
Distractions  
Faulty  
equipment

## Results

Most errors occur during routine tasks

Can range from inconsequential to very serious

## Conclusions

Educate yourself : one of the first steps to preventing errors is gathering knowledge

Evaluate what you are about to do- is it safe

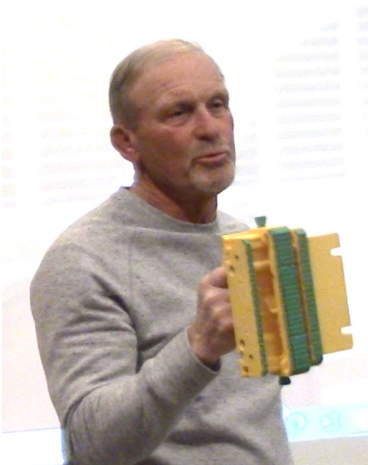
Is doing it worth the risk of desired results

Look at surroundings

What happens if I mess up

Are there other approaches that are safer

## Case studies By TVWC Members



Dennis Smith

### **Description/Problem**

Making 1/2" square stickers for air drying lumber

### **Tools Used**

Table saw

### **Injury**

After cutting about 80 strips one of them hung up on outfeed site of blade. When I reached to pull it out it got caught on blade and pulled my hand back over blade.

### **Lessons Learned**

Stop saw before remove any wood near blade

### **Comments**

Bought a Gripper for small cuts

# Case studies By TVWC Members



Wes McNeal

Wes said that he mainly learned woodworking by trial and error – unfortunately, that’s also how he learned shop safety. He was able to provide some examples from his own experience and also that he heard from others.

## Resawing board on bandsaw with fence in place

- Was using a push stick in left hand and holding the board against the fence with his left hand
- Reached to pull the last part through, but still had his right hand on the board.
- Finger ended up in the blade and the tip was cut

## Crosscutting ¼ inch plywood on the table saw to create a 1 ft square

- Was using a fence and a miter gauge to push
- Phone rang towards the end of the cut and he got distracted
- Board kicked back and flew past his face and his right knuckle contacted the blade
- Required 15 stitches

## Ripping a thin strip (3/16 inch) from a board

- Used a push stick
- Thin strip caught in blade, kicked back and hit him in the face
- Luckily, not serious, but could have been bad if it had ended up hitting his eye

## Wes' Brother-in-Law was using a jointer

- Using a push stick in one hand and had his other hand holding the outfeed against the fence
- Kicked back, wood sailed across the room and his finger ended up in the jointer
- Lost the tip of his finger. Stated that he saw fine little slices of finger everywhere!

After seeing it in another shop, Wes always removes his ring and watch before entering his own shop. He recalled an incident in which one of his patients was climbing on a ladder to remove something from a metal shelf. The ladder moved and he ended up hanging from the shelf by his ring. His finger could not support him and it came off at the second joint (OUCH!!!).

Wes' advice to everyone is to remember that accidents usually happen when what we are doing has become routine. “Every time you are going put a board through the table saw, expect kickback!”

# Case studies By TVWC Members



Ron Cirincione

## **Description/Problem**

Cracked blade

## **Tools Used**

Club's 18" Bandsaw

142" x  $\frac{3}{4}$ " Timberwolf Blade

## **Injury**

None (Fortunately)

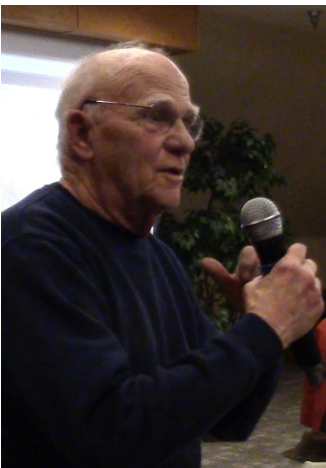
React immediately to unusual behavior, popping noise and grabbing in this case.

## **Lessons Learned**

Inspect blade periodically.

## **Comments**

Never stand in the "danger zone."



Bob Fagerlin

## **Description/Problem**

Edge jointing a small piece of hickory to get a good glue edge

## **Tools Used**

Club's jointer

Cut off  $\frac{1}{2}$ " of my little finger

## **Lessons Learned**

Don't wear gloves when jointing small pieces

## **Comments**

Especially if fingers don't fully fill the glove.



Scott Duncan

## **Description/Problem**

Cracks in turning blank

## **Tools Used**

Lathe

## **Injury**

Broken impact face shield, hole in ceiling, broken lights on lathe

## **Lessons Learned**

Don't turn wood with deep cracks. Either repurpose the wood, throw it away or separate the crack and repair with structural epoxy.

There is a difference between a splash shield and an impact shield.

# Case studies By TVWC Members



Dick Hoffman

## **Description/Problem**

Widening a dado in a long wide board. Thought I was going counter the rotation cutter. But bit caught the other side of the dado and shot the board off the table

## **Tools Used**

Table router

## **Injury**

Minor cuts on 2 finger tips and hamburger-ed the in-between finger....no stitches - nothing time won't heal

## **Lessons Learned**

Bloody hell, always use push sticks, even on large stock you think is safe.

## **Description/Problem**

Held longboard by hand and spring back mechanism was clogged with saw dust

## **Description/Problem**

Biscuit joiner

## **Injury**

Saw blade skipped along board and caught the tip of my finger

## **Lessons Learned**

Make sure to clamp and check machine before using

## **Description/Problem**

Disk was off center and blocks of wood the workpiece rested on, gave way

## **Description/Problem**

Orbital sander

## **Injury**

Sanding disc was like getting a paper cut on steroids - trip to hospital to get stitches and remove micro bits of sanding grit

## **Lessons Learned**

Make sure to center disc and use a stable sanding surface

# Case studies By TVWC Members



Chuck Turner

## **Description/Problem**

I put one foot on a 4ft ladder and the other foot on the top of shop bench. I reached across the bench to remove a board from a wall rack. When I lifted the board up to sit it down, the change of center of gravity caused the ladder to kick out. I lost my balance and fell to the floor.

## **Tools Used**

Ladder

## **Injury**

I only fell 4ft but, in the process, hit my front tooth on the rim of a metal 1 gallon coffee can and fractured my front tooth. I hit so hard, I was surprised I wasn't knocked out.

## **Lessons Learned**

The next day I ordered an 8 foot ladder with a brace running around the top to give me support when lifting.

## **Comments**

Do not overreach when straddling a ladder.

Initially, I felt fortunate to only have hurt my tooth; but later learned the impact caused issues in my neck and lower back



Glenn Nief

## **Description/Problem**

Fire started from electrical spark from light switch in closed room with layers of lacquer on walls and floor and Lacquer fumes

## **Tools Used**

Spray Paint Booth and Flammable finish (Lacquer)

## **Injury**

No bodily injuries.

Smoke injuries to whole house and contents, customers display case, a distressing and disturbing experience

## **Lessons Learned**

Moved light switch outside room, improved Ventilation and cleanliness

## **Comments**

I am now Keeping shop clean and using only Water based finishes



# Case studies By TVWC Members



Bill Nance

Only 2 major accidents in the shop:

1<sup>st</sup> was ~ 15 years ago:

A large chunk of wood flew off the lathe and hit him in the face

- He was wearing a face shield, but it shattered, and he ended up on his butt.
- Could have been very serious if not for the safety measure of the face shield

About 2 weeks before the meeting:

Cutting large logs into turning blanks on a band saw

- Has made thousands of cuts on this saw with this same setup
- Always makes straight cuts – bowl blanks are octagonal rather than rounded
- On the very last cut of the day, decided to round the edge. This changed the way his hands were moving relative to the blade. It was the last cut of the day and he was tired and wanted to be done. He didn't lower the blade guides and was working with a dull blade which required extra pressure.
- His knuckle made contact with the blade. No stitches required but he is still recovering.

Lessons Learned and Advice:

- Keep paying attention when making repetitive cuts, slight changes in material or material path changes risk, keep sharp blades.
- Whenever you are getting ready to do a cut, **think about what would happen if the wood instantly, magically disappeared. If it involves your hand or any other body part ending up in the blade, rethink the cut.**
- Never let your hands or any other body part be directly in line with the cutting surface.

# Paying it Forward

## Passing On Skills To New Members

Last fall, a group of 5 novice woman woodworkers (who named themselves “The Jingle Belles”, got together and decided to make unique cutting/charcuterie boards to support Children’s Hospital. They reached out and asked an experienced woodworker to mentor them. The group ended up making and donating 17 different boards made from scrap cut-offs, for sale at the “The Fantasy of Trees” where the proceeds go to the Hospital. The boards were priced from \$35 to \$45 and all sold in the first hours of the event.



Marie McClendon

Dick Hoffmann & Jan Brandt

This experience spawned a desire to try different projects, mentored by experienced club members. The group expanded to 8 novice members (who happened to be women) and two additional mentors. The second project they are now working on is making a variety of trivets / hot plate holders. With the mentor’s assistance they are learning how to prepare rough sawn wood for use, how to safely use shop machines, and other information such as types of glues, finishes. The two groups of 4, meet every other week and are learning both from the mentors and each other.



While anyone can learn woodworking from the internet (YouTube, instructional course, etc.), there are so many different ways to accomplish the same task that it becomes very confusing for a new woodworker. The idea being developed with this initial group is to use hands-on learning, starting with simple projects and with each new project incorporating new tools and woodworking techniques. In addition, the goal is to have different mentors, building different projects in different shops. This will expose the group to a variety of approaches, such as cutting to a plan vs cutting to fit, or cutting dados with router vs table saw. They will also learn how the same type of machine is different by brand, e.g. the features of a Delta Thickness Planer vs a Powermatic, vs a Ridgid, etc.

While this initial group is only 8 people, several other new members, both men and women, have expressed interest in participating in such a program. The good news is that the Club is actively moving to take this prototype program and expand it so that any member (new or not) can participate. This will require more mentors willing to share their shop and knowledge in woodworking, along with development of suggested projects, skill development, safety protocols, etc. While the goal is to make this program available to members as soon as possible, it will take time to put all the pieces together. In the interim, the Club will keep everyone informed of the progress with periodic updates.

If you would like to be a future mentor, please let any Board member know, or send an email to [twoodworkers@gmail.com](mailto:twoodworkers@gmail.com)

# Show and tell



Toy Truck - Robbie Pierce

He was inspired by Woodcraft and noted that he survived the plans and was able to make this beautiful toy truck with Black Walnut and Maple, with a Crystalac finish.



Bowl - Scott Duncan

Made this beautiful dark wood bowl from a questionable wood. Wood that came from Gulfstream Aerospace. Spruce with possibly a fire retardant penetrant? Scott shared, that he needed to be careful, so he made sure he used the best protection. Fan, open door, and high quality respirator to be sure he did not ingest the fumes of this unknown wood.



## Another Safety lesson.



Amish style mantle clock - Lloyd Donnelly

Inspired by Amish furniture shop in Turkey creek and with the help of friends Lloyd built this with sycamore wood and finished it with Watco oil, shellac and crystalac water based finishes

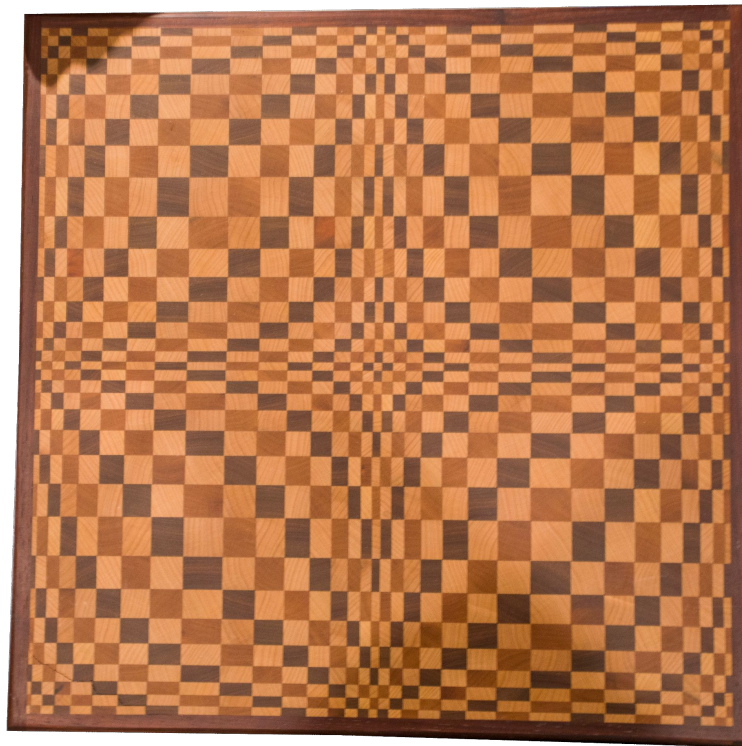


# Show and tell



Cutting Boards - Gary Robinson

End grain cutting boards. Gary's Advice is to use metric measurements. Made with Maple cherry and Walnut woods



Two wood Bowls  
- Chris Campbell



The bowl was turned from a green turned bowl that had been stored in a barn for around 10 years. The other bowl was another of the ones I bought at a woodturners meeting and it's also one turned green and stored for a long time. The bowl I turned was so warped out of shape I had to cut the sides off because it was oval and would not fit on my lathe. I turned the tendon round by using a jam chuck and the head stock then put the tendon in the chuck and a jam chuck in the bowl. Then I turned the outside round. It turned out nice but no one can tell me what kind of wood it is. It is harder than a normal walnut but not as hard as hickory. But it is pretty.

# Show and tell



## Intarsia - Mike Smith

Inspired by a Cantilever barn at the Tipton homeplace in Cades Cove.

Mike spoke about the history of the cantilever structure in Tennessee. Mike, Made this from approximately 50 different pieces/species of wood, including Cedar for the Elk, Barn wood for the barn, and a rare green wood to make the grass.



Beads of Courage box - Wes McNeil