



Volume 24 No.7

August 2020

President – Bob Brown
Secretary - Barry Brandt

Vice President – Jim Chapman
Treasurer - Ron Cirincione

Editor: Carl Hagen
Co-Editor: Jack Ernst

Email: cehagen52@gmail.com
Email: jckernst@gmail.com

Website: www.tvwoodworkers.com

Another Covid-19 Special Edition

Message from Our President

Another month has elapsed and we are still in the grasp of the threat from the Covid virus, as a result it is in our best interests to limit our contact with others. Unfortunately, we have no direction as to when we will be able to resume our normal activities. This being said we were still able to accomplish some club related items this month. A number of community projects were completed, a couple of wheel chair ramps were installed, and one was removed.

The club is fortunate to have the capability of cutting our own wood and we had a very successful sawing last week. The kiln is full and from the initial observations we should have some very excellent results, which will be offered to our members at our next wood sale. Speaking of the cutting, the number and dedication of the members that turned out to assist in the cutting was impressive. The club thanks those that participated in the sawing and placement into the kiln. We have been working on improving our procedure and a number of new techniques were tried and should lead to more efficiency in how we process the material. We are currently looking at additional methods to continue in the process of improvement.

Our current Vice President, Jim Chapman has decided that he would prefer to step down from the position for a variety of reasons. He has confirmed unequivocally that he will remain a viable member and asset to our club. Jim has served admirably in the position and we are sorry to

lose him on the Board of Directors.

As a result of Jim's decision, the Board has had a number of meetings and long discussions on the best method to proceed and in going back through the process established for our directing the club, we found that the Board is to select an individual to fill the vacated position. This was an arduous job and eventually we made our decision and got the acceptance of Tony Grenis to serve the remainder of the term as Vice President of the club.

Our thanks go out to Jim Chapman for serving as Vice President and to Tony Grenis for accepting the role of Vice President.

Robert Brown

Did You Know

GreenBone, an Italian Biotech Company, has created a synthetic bone from heated rattan wood that the body will accept. It is load-bearing and so similar to the real bone that tissue cells and blood treat it as if were actually bone. A bone-regenerating implant would eliminate the need for bone replacements and is far surpassed in excellent than any metal or ceramic material.

Woodworkers “Virtual” Show & Tell III

Since we were not able to meet again this month, following is our “Virtual Show & Tell” section highlighting some of the creative projects’ members have built while quarantined over the past two months.

Bob Fagerlin



In addition to some bowls, Bob holds a birch and purple heart bread board he made for his daughter.

Bob Ericson

Bob has been busy with his scroll saw, making a number of projects from red oak.



Dick Hoffman Cherry and spalted maple jewelry box with a hidden compartment and 4 full extension drawers for the Smokey Mountain Service Dog auction. The turned items of holly and magnolia are for the Blount Mansion auction from trees cut from the property.



Gene Yeager

A cedar-lined black walnut Hope chest for his daughter



Herbert West



Glenn Nief

Small wooden-hinged photo album of black walnut, oak, maple and mahogany. Hand cut and inlaid monogram cover.



Jack Ernst

Cherry fireplace mantle with routed crown molding to complement cabinets built last year. Small sycamore side table.



Ken Harvey

Cherry table top organizer for granddaughters work table. Raw edge picture frames. Cherry American Doll bunk bed for granddaughter's birthday. Cherry piano bench.





Mark Knott

Computer cabinets and “medicine” chest



Randy Schwerdt

Photos of the upper section of the Hoosier cabinet that I've been working on to complement the lower section previously completed. The upper section still needs the front roll-up panel completed. The slats are ready to be stained and finished; a holding jig must be made and then canvas glued to the back of the slats to make it a flexible panel. Everything was disassembled, all panel glue joints were separated and reglued, inside of the panels were stripped and painted and the outside was stained and coated with 2 coats of MinWax polyurethane. All of the original bins for flour and sugar were not there when I acquired the project so I replaced those areas with adjustable shelves.



Rom Comtois

Cake stand with a segmented base of maple and mesquite with a built in lazy susan and figured maple top, maple pepper mill with a walnut Celtic knot inlay



Thom Lewis

Rocking chair for our new grandson (red oak, hickory rockers and mahogany emblem and screw covers) and a "folk art" lionfish (white oak).



Community Service Project

Tanasi Golf Course Superintendent, Wells McClure, recently asked me if the TVWC if could build two signs to replace one existing sign (in very poor condition) that identifies the location of the Tanasi golf maintenance facility on Davis Ferry Road. I contacted club member Dave Brunson who not long ago built a very nice large sign for the Community Church at Tellico Village. I was looking for expert advice so I could recruit some other club members to build the signs under Dave's mentorship. Dave quickly took over the project, bought the materials in coordination with Wells, and built the signs, with some help from me. The golf course paid only for the materials. The cost to the POA was under \$500.

The signs are 3' x 5' and made totally of man-made materials to assure their longevity. Dave cut the lettering out of 1/4" Plexiglass using his CNC machine and he created a "pin system" so that the letters could be attached to the sign rapidly and accurately. The two of us attached the letters to both signs in about an hour with perfect spacing between letters and between lines.

Why would we do a project like this for the golf course? Every dollar the golf course does not have to spend as an operational expense reduces the golf course subsidy that Tellico Village property owners pay every year through their monthly assessments. The Plexiglass letters alone would have cost about \$500. Add in the cost of other materials, paint, and labor, and I believe the cost to the POA would have easily been over \$2000.

- Lloyd Donnelly



Dave Brunson and one of the new signs for Tanasi Golf maintenance area.

Jack, an older gentleman woodworker, feared his wife, Becky, was getting hard of hearing.

So one day Jack called her doctor to make an appointment to have her hearing checked. The Doctor made an appointment for a hearing test in two weeks, and said that meanwhile there's a simple informal test the husband could do to give the doctor some idea of the state of her problem.

Here's what you do, said the Doctor, "Start out about 40 feet away from her, and in a normal conversational speaking tone see if she hears you. If not, go to 30 feet, then 20 feet, and so on until you get a response.

That evening, the wife is in the kitchen cooking dinner, and he's in the living room. He thinks to himself that he is about 40 feet away. "Let's see what happens," he mutters.

Then in a normal tone he asks, "Honey, what's for supper?" No response. So Jack moves to the other end of the room, about 30 feet from Becky and repeats, "Honey, what's for supper?"

Still no response.

Next, he moves into the dining room where he is about 20 feet from Becky and asks, "Honey, what's for supper?"

Again, he gets no response.

So he walks up to the kitchen door, only 10 feet away. "Honey, what's for supper?"

Again, there is no response. So he walks right up behind her.

"Honey, what's for supper?"

She replies, "For God's sake, Jack! For the FIFTH TIME. CHICKEN!"

Wood Cutting – July 28, 2020

The Club's first COVID-19 Wood Cutting was held July 28th. Thanks to a great turnout of masked members, the whole process ran smoothly and safely resulting in our Kiln brimming with some very nice boards for our next sale.



Logs are trimmed with a chainsaw, loaded on the bandsaw. After boards are cut, they are loaded onto member trucks; tagged with species and taken to the Club Kiln.

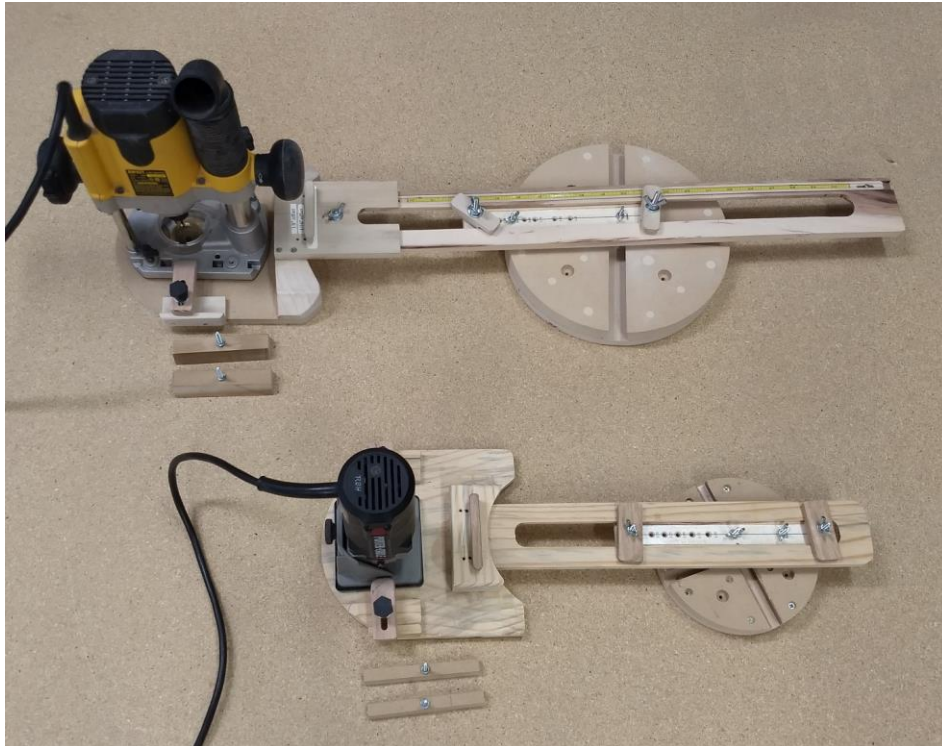
At the kiln, boards are measured, board feet chalked on each piece and a tally is logged. Boards are stickered as they are loaded for even drying.



Tools and Tips

Ellipse Router Jig

Dick Hoffman had volunteered to make an elliptical jig for use by club members. He actually made both a large and small jig. These are listed in the “tools available to members” on the website. What follows is the instruction set that Dick put together for use of these jigs. Make sure to thank Dick for making these available to our members!



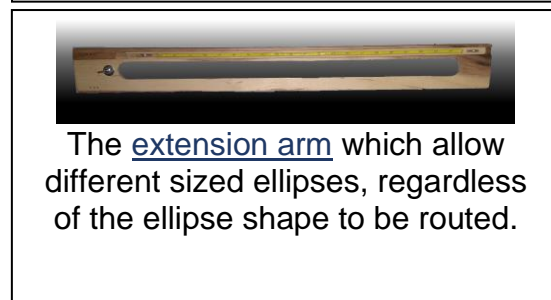
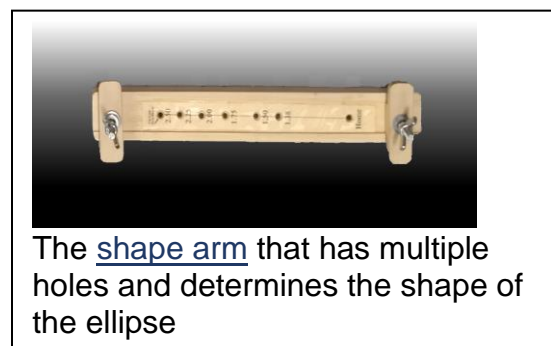
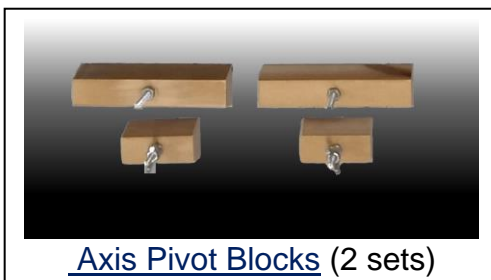
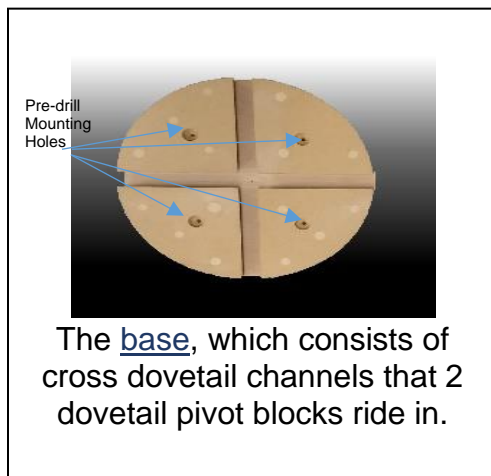
There are two jigs of different size. Both can cut different shaped ellipses based on the ratio of long axis divided by the smaller axis. The smaller one can cut ellipses on the longer axis ranging from 10" to 18". It can use any trim router with a base under 4½ ". It, like the bigger jig, comes with 2 sets of axis pivot blocks. The smaller blocks must be used for the smaller ellipse ratios (1.25 to 2.00) and the larger ones for the larger ratios (2.00 to 2.50). The larger jig can cut ellipses ranging from 18" to 60". It can handle any router with a 6" or less base.

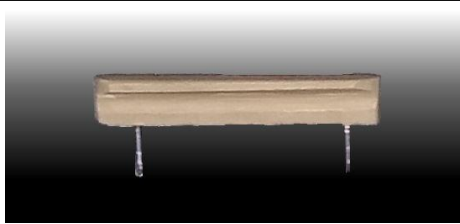
While the jig's primary function is to cut an elliptical shape, such as a table top, it can also be used to create elliptical picture frames. This is done by first cutting the outside ellipse of the frame and then cutting the inside ellipse. If the frame is left attached to a sacrificial base, the jig can also be used to route an edge profile edge on the frame.

Use Instructions:

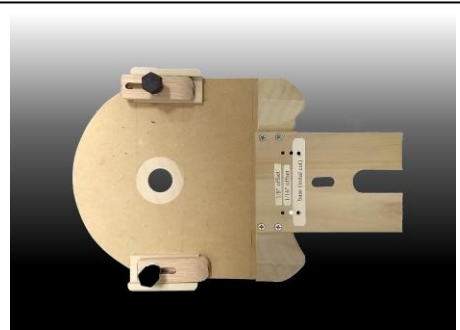
1. Use the chart (page 4) to pick the shape of the ellipse you want and note the axis ratio.
2. With one axis bolt in the first (home) hole, place the other axis bolt in the ratio hole you chose.
3. Set the extension arm to half the length of the long axis plus 1/16".
4. Put the 7/8" bushing guide and a 1/2" bit in the router and lock the router into the travel head, making sure the bushing is in the center hole of the travel head.
5. Secure the jig to the workpiece using screws in the predrill holes or with double sided tape.
6. Making incremental shallow passes cut thru the workpiece making sure the piece sits on a sacrificial piece of wood.
7. Clean up the cut, move the travel head in 1/16" by unlocking the extension arm from the travel head, pulling out the lock bar and repositioning the bar from the base hole to the 1/16" hole.

Jig components:





The lock bar that allow a micro-adjustment for the final cut



The travel head that holds the router



Router locking clamps that keeps the router lock to the Travel Base

Jig Setup:

1. Put the pivot blocks (with 1/8" bolts in them) in the base (one in each dovetail slot).
2. Put the bolt of one of the axis pivot blocks in the "home hole" in the shape arm and the other in the selected ratio hole. Loosely secure the arm by lightly tightening the wingnuts.
3. Insert the end of the extension arm with the 6 small holes into the travel head.
4. Insert the extension arm into the travel head...
5. For the smaller jig, line up the "base" holes in the travel head and in the Insert the lock bar into the "base holes"
6. For the large jig, insert the end of extension arm with the 1/4" bolt (the bolt must be removed) into the matching slot in the travel head. Line up the "base" holes in the travel head and in the Insert the lock bar into the "base holes" then reinsert the 1/4" bolt, and tighten the wing nut.
7. Install the 7/8" ID bushing guide in your router along with a 1/2" straight router bit.
8. Mount the router by placing the bushing guide in the travel head hole and use the router lock clamps to secure the router to the travel head.

Ellipse Shapes and Axis Ratios

