www.trianglewoodworkers.com

September 2018
Volume 36, Issue 9

TWA Newsletter

Next Meeting: Tuesday, September 18, 7:00 pm

Location: Klingspor's Woodworking Shop
MacGregor Village Shopping Center
107 Edinburgh S Dr. Suite 151, Cary NC

Topic: Turning Christmas Tree Ornaments

Alan Leland is an internationally known woodturning instructor and demonstrator. He has won accolades for his exceptional ability to share his skills and techniques. Alan is able to explain the various skills and techniques required to truly enjoy woodturning with a patient and thorough teaching style. In all of his demonstrations and workshops, Alan explains the techniques he is using and the light touch required to produce delicate turnings. Alan has been working with wood since 1976 when he began working for This End Up Furniture Company. After 19 years making crate style furniture, he started his own woodworking business in 1996.

Alan has been a member of the American Association of Woodturners since 1994. He is an active member in several local woodturning chapters, including the Woodturners Guild of North Carolina, the Carolina Mountain Woodturners and the Chapel Hill Woodturners. He is also an active member in the Triangle Woodworkers Association. Alan has demonstrated at many national and regional woodturning symposia and for many woodturning clubs across the United States and Canada. Alan is known for his three legged 24" tall stools with their crisp turnings and his Hollow Globe ornaments with their elegant delicate icicles.

Alan will demonstrate how he creates his wonderful ornaments during our September meeting.

Host: Jeff Leimberger

INSIDE THIS ISSUE

September meeting 1
August meeting minutes 2
Cove cuts on the table saw 3
Upcoming meeting 4
President's message 4
Treasurer's report 4
Membership committee 4
For sale 5
Mentors 5
Toys for tots update 6
Board and Committee members 8
Sponsors 9

TWA GENERAL MEMBERSHIP MEETING—AUGUST 21, 2018

(meeting minutes: Janet Batker)

George Mills opened the meeting as President of the association. One of our guests was Berta Moreton from North Carolina Woodworker. She announced the start of a scroll saw club on the third Sunday of every month, beginning September 16, at 2pm. Don Boyce from Angier was a guest and Tom Hegele introduced himself as a new member.

There were a lot of donations for the auction at the break: 4 circular saws, 3 drills, and some walnut for turning. Since most club members already have these tools, it would be ideal if visitors or individuals new to the hobby came to these meetings to pick up stuff at a steal!

During show and tell, Bob Gabor demoed a rocking chair (for Toys for Tots) with a teddy bear; he needs more bears ($5 each), if you would like to contribute, send some money his way.

Free pine 2x4 cut-offs from trusses are available for use in Toys for Tots projects. There are two locations that club members have visited:

1. Truswood Inc. on 8813 Running Oak Dr in Raleigh

2. Truss Builders Inc on 10401 Chapel Hill Rd in Morrisville

Fred Ford announced that we are in the Toys for Tots season and sent around a sign up sheet for workshop hosts and members. There was a wood pickup by Terry Tenhouse last week at the Hardwood Store for all the workshops. Parts are being ordered by Bob Andrews. Roger and Judy Sanwald are off and running, and Roger, who has been under the weather, feels pretty good. Alan Campbell notified us of new regulations for use of paint for Toys for Tots projects, which we haven't painted for years. We can now use the manufacturer's certification for the paint, instead of testing it ourselves. Cecil received information from Sherwin Williams that verifies that there is no lead in their paint (the government approved lab has not done the testing yet - it was done by Sherwin Williams).

Steve Steinbeck is moving and will no longer be acting as our photographer; Mark Firley will be assuming these duties. Bob Gabor added that he has extra wood at home that he will not be using for Toys for Tots - it is flat yellow pine; contact Bob for pickup.

Jay Cash has offered a table for TWA at the Sept. 8 (10am to 4pm) first year anniversary of the Klingspor store in MacGregor Village. The club plans to stock it with items made by members to promote TWA.

It was election night. Leon Harkins and Roy Brookhart have volunteered to serve in the 2 seats being vacated by George Mills and Fred Ford.

Bernie hosted the raffle in support of Toys for Tots. The winner of the raffle was Hal Brown. The circular saws and the drills went for $5 each! The wood posts went for $5 each.

.

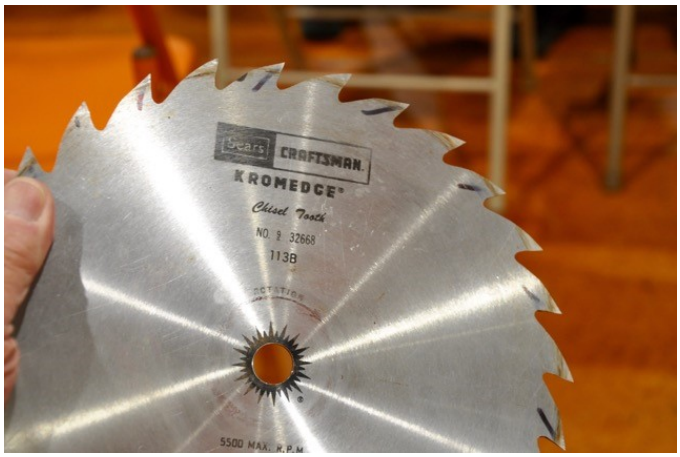
Toys for Tots efforts underway: Top—Bob is seeking sponsors for teddy bears; Middle—Cecil is researching paint options for toys; Bottom— Fred is organizing workshop hosts and members (photos: Steve Steinbeck)

TWA GENERAL MEMBERSHIP MEETING—AUGUST 21, 2018

COVE CUTS ON THE TABLE SAW— TERRY BROWN

(meeting minutes: Janet Batker)

Terry Brown was the speaker for this meeting. A longtime member of TWA, he worked at a furniture repair shop for several years and developed the skill set and knowledge to repair anything from large forms to small intricate details on period pieces. He mainly spoke on the fixtures and jigs he has developed that enable him to do his work efficiently, especially making or creating coves. Kreg hold-down featherboards are very useful for this work. All of his jigs are made of cheap wood, of course! Terry has a way of setting the height of the table saw blade to any desired height using a shop-made reference device. Terry showed how to set up a cove cut using an adjustable guide clamped to the table saw fence to determine the angle and his shop-made jig for setting the height. He has customized his own saw blade with teeth contoured for the cove cut so that there is very little sanding needed after the cove is made. The cove cut is made by angling the wood over the blade and then raising the blade a small amount before each subsequent pass. The coves can be sanded using an oblong sandpaper-coated piece of insulation that has been cut to the shape of the cove.



Top: Terry demonstrating the set-up of a cove cut (top) and adjustment of the table saw blade with his shop-made jig (middle). Terry uses a customized saw blade for this work (bottom) (photos: Steve Steinbeck)

Terry Brown is a TWA member and talented woodworker. (photo: Steve Steinbeck)

To make tenons with the tablesaw, Terry uses a tall fence.

Terry concluded with some instructions on how to avoid movement and “chatter” when sawing, and advised not using the splitter on the table saw for thin pieces. Terry is a wonderful resource to the club on how to use time and money wisely when woodworking. He is a fan of SawStop.

UPCOMING MEETING

TUESDAY, OCTOBER 16

Guest Speaker: Brandy Clements

WARNING: You might become a chair nerd. A Brief History of Chair Caning is full of fascinating historical facts and contemporary applications of this ancient and global craft. From King Tut's Tomb to the tea and spice trade, mid-century Denmark and Ikea, $5,000 Christian Dior handbags to the carriage that Prince Harry & Meghan Markle rode off in a couple of months ago, chair caning was and IS a THRIVING art. You will get up close and personal with a variety of styles of weaving and materials. This is an interactive presentation with some hands-on weaving of laced cane, Danish cord, and Shaker tape chairs. (You are welcome to bring your chair or a photo of your chair for advice!)

Bio: Brandy Clements of Silver River Center for Chair Caning in Asheville, NC is a 4th generation chair nerd on a mission to dispel the myth that chair caning is a lost art. She and her husband Dave Klingler have been promoting chair nerd culture with the school and museum, which is the only one of its kind in North America. After doing restorations for almost a decade and hearing people exclaim that their work is a dying art, they decided to expand the business to focus on reviving the craft through education, travel, and restorations. Their mission is to cultivate and inspire a reverence for a world-wide chair caning legacy.

www.silverriverchairs.com

Host: Mark Firley

PRESIDENT'S MESSAGE

I thought my August newsletter message was my last, but Fred insisted otherwise. So, one more time, I thank the many volunteers that help manage the TWA and support the operational aspects of every meeting. Each person has shared their time and talent to make our organization a success. It is people like them that has allowed the TWA to thrive for over 30 years. I also congratulate Leon and Roy for their election and willingness to assume their new responsibilities in the TWA. I wish them well. To the general membership, don't be afraid to become more involved. You will be amply rewarded with a sense of fulfillment, pride and the opportunity to build friendships.

As we enter the fall, I encourage everyone to be involved in our Toys-for-Tots production efforts. It is a noble cause that we support the efforts of the US Marine Corp. to make a child's Christmas unforgettable.

George Mills

TREASURER'S REPORT (JULY)

Beginning Balance:	$11,691.22
Income:	$1,889.00
Expense:	$3,376.02
Ending Balance:	$10,204.20

Does not include Petty Cash of $86.00

Submitted by Jack Kite, Treasurer

MEMBERSHIP COMMITTEE

TWA is happy to welcome the following new members:

- Thomas Hegele
- Billy Jenkins

Ken Serdar, Membership Committee

FOR SALE

Waterstone Sharpening Station

Asking $80 for all – Mike Payst mpayst@nc.rr.com – (919)787-1568

I'm selling my water stone sharpening station stuff because I've switched to diamond plates. Included are the counter-top section along with:

- 220, 800, 1000, and1200 grit water stones
- 12,000 grit finishing stone
- flattening stone
- 9"x12" granite surface plate
- stone holder and slurry catcher
- plastic stone storage containers
- water squirt bottle

I switched to diamond plates because my shop is unheated and now I don't have to worry about the water stones freezing in the winter.

MENTORS

Mentor	Service/Skill Offered	Phone Number	Email Address
Bernie Bogdon	Relief Carving	(919) 850-0739	sabile_27615@yahoo.com
Hugh Fish	Chairs, Joinery, Machinery & Power Tools, Mantles, Routers, Tables and TV Cabinets, Turning	(919) 467-5696	hughpatfish@yahoo.com
John Margeson	Baby Furniture, Beds, Bookcase, Chairs, Chest, Decks, Tables	(919) 876-3476	jmalice@bellsouth.net
Mike Resar	Baby furniture, Beds, Bookcase, Cabinets, Chest, Drafting, Dressers, Tables, TV Cabinets	(919) 876-1664	atwaterla@ncleg.net
Allen Campbell	Simple inlay, Staining/dyeing, Pen turning, Cabriole legs	(919) 772-4551	aacjr@nc.rr.com
Cecil Raynor	Joinery, Finishing, Tables, Chairs	(919) 815-9155	cecil_raynor@yahoo.com
Amy Dowden James Sapp	Google SketchUp	(919) 932-6252 (919) 586-7280	amydowden1@gmail.com james.b.sapp@gmail.com
Ken Serdar	CNC woodworking		ken.serdar@gmail.com

TOYS FOR TOTS SEPTEMBER UPDATE — BOB ANDREWS

Roger and Judy Sanwald's TWA Toys for Tots workshop is off and running. Roger, as most of you know, is recovering from a bout with cancer. His prognosis is very good and he seems to be back to his old self. It was a pleasure to see him so spry. The group has decided to make the toy wagons with blocks and the fish crayon holder they made last year.

Joe Sabo found the TrussWood company and Terry Tenhouse arranged a visit. The wood is end cuts from truss manufacture so it is virtually knot-free. It is yellow pine in 2x4 and 2x6 and 1 to 3 feet in length. If you would like some for a workshop, contact Terry Tenhouse for details.

Left: Roger and Judy's Toys for Tots workshop. Pictured are Mike Weinberger, Barton Meeks, Hugh Fish, Pat Fish, Judy Sanwald, Roger Sanwald and Bob Andrews
Right: Trip to TrussWood. Pictured are Roy Brookhart, Bill Burton, Terry Tenhouse and Pete Hodges.

BUILDING RACE CARS —BOB ANDREWS

I must say that building one five ply car is something and building 100 is another. Hopefully I can step through my process and share a tip or two.

I wrote out a plan on how to take wood and turn it into this car. It took several rewrites as I thought through what I would need to do, and steps I forgot. I determined which tools I had and how to use them for each step.

Step 1: Obtain maple and walnut and cut it to lengths using my compound miter saw. When I got the wood, much of the maple was in small pieces that I could cut on my table saw. So I didn't set up my miter saw. I wanted to cut the pieces in a little more than two foot pieces so they would be easy to resaw and then sand or plane. The final length of the car is only about 6 ½" so I needed multiples to consider saw cuts, glue up and cuts to get clean edges.

Step 2: Cut and resaw the pieces. Fred Ford was kind enough to help me sand the ¼" walnut using his drum sander. When the bandsaw cuts were gone from the pieces we stopped sanding them.

LEARNING: I should have sanded all pieces to identical thicknesses (per Fred's suggestion) and that would have made all of the "sandwiches" the same thickness. This made a difference when I drilled holes for the axles and wanted to set up my drill press to a constant depth.

BUILDING RACE CARS

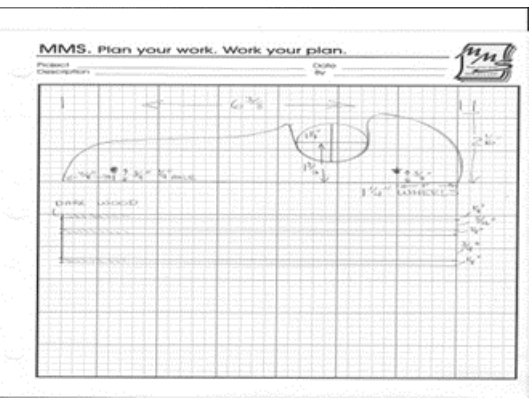
Step 3: Glue one hundred "sandwiches" of walnut, maple, walnut, maple, and walnut. They need to be oriented so that knots and other imperfections can be drilled away or cut off on the bandsaw. I have a limited number of clamps so I could only glue up one sandwich at a time. I make a 90 degree jig to hold the wood while it was clamped and drying. I used wax paper or parchment paper (worked best) between the wood and the jig to keep the jig glue free. I used original Titebond glue, applied it with a small paint brush (soaked in water between each set) and clamped them for at least a half an hour. I would wipe off as much squeeze out as I could using a wet paper towel.

LEARNING: 1. Cut out each piece that is the same size at the same time, with the same tool setup. I found that slight differences in width (all should have been 2 ¼") made it hard to get everything flush against the jig for at least two flat surfaces. 2. Make your pieces large enough to cut off glue squeeze out and square up any edges not flat.

Step 4: I took the sandwiches and cleaned them up on my table saw. I have an Inca 5000 miter and"sliding" table that I can clamp the pieces to. I used a drafting square to provide a thin stop and guide for cutting the long edge. I used my miter stops to position the pieces for short side cutting.

Step 5: Make up templates for drilling and bandsawing. The template for drilling allowed me to reset the drill press to the exact dimensions after doing a trial run.

When printing copies be sure your printer is set for one to one. Sometimes they are set to "fit to page" and you don't want that. Having a one inch wide mark drawn on your plan helps you insure you have the original dimensions.



I modified my drill press table to add Kreg's automax clamp (see top, right picture). When I drilled the first large hole I realized I would need to clamp the pieces down. What good project doesn't require at least one new tool? I got the idea from Mike Payst and Roger/Judy Sandwald's shops. With my TWA discount at Klingspor it was cheaper than online.

LEARNING: 1. If you don't adjust the clamp correctly, it has the power to bend the track! 2. The clamp has a tendency to pull/slide the clamped object toward the handle. Ideally I would set it up so the clamp was pulling toward my stop to further insure it was clamped against the stop.

Step 6: Drill 400 holes for axles and 100 holes for the seat area. See the middle two pictures to the right. I chose to drill out the seat rather then cut it on a band saw. I felt I could get that curve smoother with a forstner drill bit then I could on the band saw. I needed to trace the pattern on the blocks before drilling to make sure I oriented the sandwiches to eliminate waste knots and other imperfections.

Step 7: Cut out the rough shape of the car on the bandsaw. I used a ¼" 4 TPI blade to cut through the five plys. I tried other blades with more teeth and they just burned the wood as I was cutting. I have a ½" sanding belt on another bandsaw and use that to remove the saw marks. My good friend Gene Taxis, Marine retired, is helping me get 100 of these cut out, routed, and sanded.

Step 8: Use the router table with a 1/8" roundover bit to soften the edges.

Step 9: Sand, sand, and sand……

Step 10: Apply the wheels and axles. I will be using neighbor kids for this step to help build interest for the future. The last picture shows a body in different production stages.

BOARD AND COMMITTEE MEMBERS

POSITION	BOARD MEMBER
President	George Mills
Vice President	Mark Firley
Secretary	Janet Batker
Treasurer	Jack Kite
At Large Board Member	Fred Ford
At Large Board Member	Mike Payst
At-Large Board Member	Bob Andrews

COMMITTEE	CHAIRPERSON / MEMBERS
Program Committee	Mark Firley - Roger Sanwald & Judy Sanwald, Fred Ford, Terry Tenhouse, Allen Campbell, Jeff Leimberger, Terry Brown, Hal Brown, Mike Payst, Bob Nauman, Bob Andrews, Jerry Rhoades
Toys-for-Tots Committee	Fred Ford — HOSTS: Allen Campbell, Cecil Raynor, Pete Hodges, Bob Gabor, Terry Tenhouse, Roger and Judy Sanwald, Jim Rhodes, Mark Firley, Les Hall, Bill Schott, Alex Knittel, Bill Burton, Antoine Basequiat, Bob Guenther; SUPPORT: Bob Andrews, Bruce Wrenn
Nominating Committee	Fred Ford
Newsletter Publications Committee	Karin Pihel — Fred Ford
Library Committee	Jerry Rhoades
Publicity Committee	Roy Brookhart
Sponsor Committee	Mike Payst
Internet	Paul Holzworth
Mentor Committee	Allen Campbell
Membership Committee	Ken Serdar - Cheryl Serdar, Judy Sanwald, Paul Holzworth, Sue Bunch
Audio/Visual Committee	Tom Revelle - Leon Abbas, James Chamberlain
Photographer	Steve Steinbeck
Hospitality	OPEN
Facilities/Refreshments Committee	Jerry Rhoades
Raffle Committee	Mike Payst
TWA Duties and Responsibilities Editor	Fred Ford

TWA SPONSORS

Ashcroft Saws and Tools
919-876-3223
3125 Gresham Lake Rd. Unit 116
Raleigh, NC 27615
www.ashcroftsaw.com
25% off list on blades and 10% off on sharpening

Capitol City Lumber Co.
919-832-6492
4216 Beryl Rd.
Raleigh, NC
1-800-244-6492
www.capitolcitylumber.com
Special prices to TWA members

Edwards Mountain Woodworks
919-932-6050, evenings
Fine handtool woodworking: creating and teaching in wood. For further information on the workshops, schedule, and tools needed and any other requirements email Bill Anderson at:
bill@edwardsmountainwoodworks.com
www.edwardsmountainwoodworks.com
Tuition discount for club members.

The Hardwood Store
1-888-445-7335
Gibsonville, NC
1-888-445-7335
www.hardwoodstore.com
Discount: 10 cents per board foot

Guy C. Lee Building Materials
900 N. Salem St.
Apex, NC

Keglers Woodworks LLC
919-608-7220
330 Dupont Circle
Raleigh NC 27603
mkeglers@earthlink.net

Stock Building Company
919-828-7471
3000 Yonkers Rd.
Raleigh, NC
www.stocksupply.com

Klingspor's Woodworking Shop
919-876-0707
MacGregor Village Shopping Center
107 Edinburgh S Dr. Suite 151, Cary NC
(Exit 98B off of US 1)
www.woodworkingshop.com
10% discount excluding lumber and power tools

Raleigh Saw
919-832-2248
5805 C Departure Dr.
Raleigh, NC 27616
www.raleighsaw.com
10% discounts on all new products

Tarheel Wood Treating Co.
919-467-9176
10309 Chapel Hill Rd. (Highway 54)
Morrisville, NC 27560
www.tarheelwoodtreating.com
Contractor's prices on all wood products
TWA card before order is written

Woodcraft
919-781-1911 Fax: 919-781-1980
4317 Pleasant Valley Rd.
Raleigh, NC 27612
raleighwoodcraft@bellsouth.net
http://www.woodcraft.com
$25 gift certificate at each TWA meeting for the raffle

Woodworker's Supply of NC
336-578-3001
Mail order: 1-800-645-9292
3663 Alamance Rd.
Burlington, NC 27215
www.woodworker.com

Wurth Wood Group
919-231-6620
4213 Poole Rd. (Exit 15 off I-440)
Raleigh, NC 27610
www.wurthwoodgroup.com