



TWA Newsletter

Next Meeting: Tuesday, September 21, 7:00 pm

Location: Zoom videoconference; use the link, meeting ID and password below to join.

[https://us02web.zoom.us/j/87542129145?
pwd=enVMcTYoWFMzYVQ2Q3VPVHFJTmhlZz09](https://us02web.zoom.us/j/87542129145?pwd=enVMcTYoWFMzYVQ2Q3VPVHFJTmhlZz09)

Meeting ID: 875 4212 9145

Password: 407394

Speaker: Steve Latta

Topic: Sequential Construction

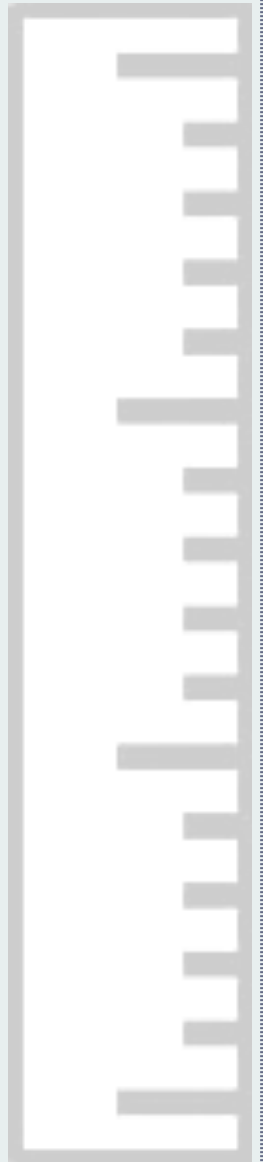
Steve Latta has been a professional furniture and cabinetmaker for nearly three decades. He teaches woodworking at Thaddeus Stevens College of Technology in Lancaster, Pa. He serves as a contributing editor to Fine Woodworking magazine and has published extensively in related journals and magazines. He has lectured at Colonial Williamsburg, the Museum of Early Southern Decorative Arts, Winterthur Museum, and numerous schools and guilds across the country. Working in conjunction with Lie-Nielsen Toolworks, he helped bring to market modern inlay tools, as well as instructional videos on the subject of inlay. Steve earned his MA in American Studies at Penn State University, where he focused on the decorative arts.

Most folks have an idea as to what needs to happen in a project. Which cut, when and why is another matter altogether. In this demonstration, I'll use a small, single drawer night stand to introduce sequential construction which takes a more streamlined and surgical approach to the building process. I'll start with design implications and drift through lumber selection, milling, jigs and end with joinery. There will be a lot of information so a notebook is recommended. I guarantee participants will take a lot of tips directly applicable to their own work.

Host: Mark Firley

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TWA GENERAL MEMBERSHIP MEETING—AUGUST 17, 2021

(meeting minutes: James Sapp)

Roy Brookhart opened the meeting conducted using Zoom virtual technology. There were 26 people in attendance.

The board is diligently working on resuming the face-to-face meetings at Klingspor. We will continue to have virtual meeting capability for those who cannot attend in person. We are in the throes of securing a good internet connection that is a key requirement needed for the virtual attendance at in-person meetings.

With Ken Serdar's request to resign his position as chair of the membership committee, a new chair was needed and has been found. Judy Sanwald and Barton Meeks have volunteered to serve as co-chairs. Thanks go out to Ken for his service and to Judy and Barton for stepping up to chair this committee.

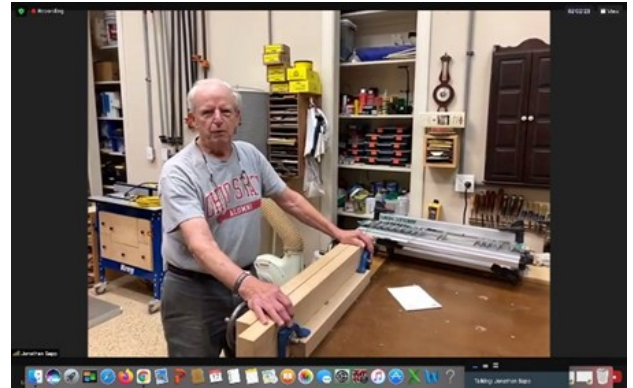
We are continuing to seek volunteers who would be interested in sharing their shops in future shop crawl videos. Interested members should contact Joe Sabo or Cecil Raynor to get on the schedule.

September represents the start of a new year for TWA. Two board position terms are expiring: those of Leon Harkins – at large, and Roy Brookhart – president. Chris

Gebhardt will fill the at-large position and Roy Brookhart will fill the president position. Thanks go to Leon, Chris and Roy (doubly).

In this meeting's shop crawl, Jim Sapp showed his workshop with the help of his son, Jonathan Sapp. It's in a third car garage with approximately a 25' by 13' footprint. Major machinery items include a Saw Stop table saw, Laguna band saw, Jet 6" jointer, Jet drill press, SuperMax 19/38 drum sander, Dewalt 735 13" thickness planer, Jet 2HP dust collector, Kreg router table with 3HP Triton router and a Dewalt miter saw. Favorite jigs are table saw miter sled, a band saw circle cutter, a Leigh DR4 dovetail jig, and a Moxon vise. For handling sheets of plywood, Jim uses a Rockler tilting table and a Festool track saw to break the plywood into manageable-sized pieces.

At the September meeting, Steve Latta will discuss sequential construction. He will demonstrate using a single drawer night-stand.



Jim shows his Moxon vise and tilting table as part of the shop crawl (photos: Mark Firley)

TREASURER'S REPORT (JULY)

Beginning Balance:	\$8,921.86
Income:	\$1,015.00
Expense:	\$40.24
Ending Balance:	\$9,896.62
Does not include Petty Cash of \$86.00	

Submitted by Jack Kite, Treasurer

THANK YOU TO OUR BOARD MEMBERS

Thank you to Leon Harkins for his time on the board. Welcome to Chris Gebhardt who will fill Leon's vacated position as one of the At-Large Members. And thank you to Roy for agreeing to a second term as our President. The club would not exist without great members and those willing to volunteer!

FLAT STRAIGHT & SQUARE – MILLING STOCK—BOB VAN DYKE

(meeting minutes: James Sapp)

At the August meeting, Bob Van Dyke conducted a presentation on milling stock. Bob's presentation was recorded and will be posted on the TWA website in the near future. Some of the highlights of his presentation follow.

Having wood that is flat, straight and square is absolutely essential to achieving quality woodworking joints and construction as well as providing important measures of safety in processing lumber through machinery. The milling process involves flattening a face on a jointer (or by hand), creating a parallel flat face on a thickness planer, creating a straight edge square to the faces on the jointer, ripping to width on a table saw and finally square cutting to length. This process is known as milling four-square. Bob recommends and uses rough sawn wood for projects. It provides the greatest flexibility in milling lumber to desired thickness.

To demonstrate the steps in the milling process, Bob selected a board that was about 8 inches wide and slightly cupped. Bob cut a 1" wide piece off the end to see if there was any checking in the ends. On the demonstration board there was no checking, but if there was, he would

continue to cut off additional 1" pieces until he reached a point where there was no checking. Given in this example that the final desired board width was to be roughly 4 inches wide, Bob ripped the cupped board with the band saw (it was not safe to do it on the table saw) and then flattened the face on the jointer. Proceeding this way, he minimized the loss of board thickness by lessening the amount of the cupping to be removed. Bob noted in answering an audience question, that cupped boards are jointed with the cup facing the jointer table and bowed boards with the inside of the bow facing the jointer table. Bob showed a unique way of jointing twisted boards using saw dust to stabilize the board on the infeed side of the jointer. Be sure to watch the video for this tip.

The next milling step involved thickness planing the board down to an intermediate thickness and creating a face parallel to the jointed face. Then, the board was returned to the jointer where one edge was jointed straight and square to both board faces. In processing the board through the jointer and planer, wood grain direction dictates the direction the board is fed through the knives of the machine to eliminate or minimize

tear out. Then the board was ripped on the table saw to near the final width. Cutting the board to a rough length followed.

At this intermediate stage in the milling process the boards are stickered and left to come to equilibrium as the boards will move and deform in reaction to the relief of stresses caused by milling. After the boards reach their new relieved states, they are milled again to remove any bows, cups and twists that developed while stickered. Several days may be needed for the boards to reach equilibrium. It is not uncommon that three milling repetitions are needed to get to the final board dimensions. A tip that Bob recommended: after final milling is completed, place the material in a plastic bag to keep it from changing further.

The final step of board preparation involves getting the wood ready for finishing by removing the mill marks. Bob recommends using a No. 4 smoothing plane followed by light hand sanding with 320 grit paper. On highly figured woods, susceptible to tear out, Bob turns to a bevel up jack plane with a blade sharpened at a 45° angle micro bevel.



Bob demonstrating milling steps on the table saw and jointer (photos: Mark Firley)

TOYS FOR TOTS STATUS REPORT

This year, we have 16 workshop hosts with a combined workforce of 51 members and 12 nonmembers. We also have five staff positions. These positions are well recognized by the workshop hosts, as their main function is to help the hosts get the supplies they need to make the toys. I cover the first two staff positions and I will just say it's enough to keep me out of trouble.

For now I would like to recognize the other three staff members. I would like to point out they are also workshop hosts on their own.

I have taken the descriptions below from the Triangle Woodworkers Associations Duties and Responsibilities Document. This document describes how all of the committees function. It is written by the committee chairperson to record how they are running their committees.

PERSON THREE Bob Andrews

- Establish a source of materials that supply wheels and dowels at a reasonable price
- The club has been purchasing wheels from Casey's Wood Product Inc.. We have been able to get wheels and dowels there at reduced cost by buying in high volume.
- It is good practice to get as many hosts as possible to give their demands early so that you can group as many hosts as possible into a large order.



- Make sure the workshop host has all the wheels and dowels needed for a successful workshop.
- Host the June General Meeting Program
- Prepare display for Klingspor, Woodcraft and others, if requested, to encourage membership and Toys for Tots participation.

PERSON FOUR Joe Sabo

- Manage the Klingspor Meet the Public Day.
- This event is an annual occurrence in the November to December time period. The event must be over before the December general meeting. It is a one day marathon workshop held at Klingspor's Woodworking Shop held on a Saturday to accommodate working participants.

PERSON FIVE Les Hall

- Maintain contact with the Hardwood Store of Greensboro NC. Hil Peel is Owner and Cheryl Lewis is our contact.
- Coordinate all wood pickups.
- Send emails to all hosts to solicit their requirements early in the year and mid year.
- Identify specific dates for the wood pick up.
- Contact any host that does not respond to your request for requirements and see what their status is.
- There will probably be instances where additional trips are required during the year to accommodate some hosts.
- Consolidate these requirements and send them to the hardwood store

Bob, Joe and Les: thanks for the help. I could not do this job without you.

The picture to the left is of Bob Andrews in the process of making some parts for the workshop he co-hosts with Judy Sanwald.

Fred Ford
Chairman of the TWA Toys for Tots Program

NEWSLETTER CONTRIBUTIONS

Please send newsletter content for future newsletters to Fred Ford (fredford22@gmail.com) or Karin Pihel (karin.pihel@gmail.com).

Contributions for each newsletter are due by the last day of the previous month.

UPCOMING MEETING

Meeting Topic: Clamp Down Before You Screw It Up

Speaker: Ron Herman

Date: Tuesday, October 19

Have you ever worked on a project based on a set of plans only to find out things weren't going the way you had expected? Zoom in with Ron Herman as he provides information about clamps, glues and fasteners project plans expect you to already know before you follow their instructions, complete with demonstrations and show-and-tell items.



If you have wondered why pin nails won't hold well in end grain, why your glue didn't stick, or why your screw suddenly moved out of line when you tightened it, this is the topic for you. Ron will also help you learn about the proper uses of different kinds and gauges of nails and screws, what countersink to use and how they coordinate with your nails, which clamps are appropriate for your uses/different species of wood and how to protect your project when using them, which woods require pilot holes for screws, and more, to greatly improve the success of your project.

We look forward to your attendance and questions!

Host: Mark Firley

SPEAKER BIO— RON HERMAN

Ron specializes in restoration of historic and antique properties using period methods and tools. Much of Ron's woodworking knowledge comes from his progression through a formal apprenticeship to attain the rank of Master.

Ron has done everything from pit-sawing trees to hand-building log cabins with mule teams to creating and aging historic restorations to match the existing structures, as well as building multi-million-dollar new-construction homes. He is credentialed to meet the strict standards for working on houses registered with the National Historic Trust, and has performed several period restorations.

Imparting knowledge is one of Ron's special skills. He's been instructing in one form or another on many different topics for more than 35 years. His delivery is engaging and fun, and he makes sure attendees go home with their heads and hands full!

MENTORS

Mentor	Service/Skill Offered	Phone Number	Email Address
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

BOARD AND COMMITTEE MEMBERS

POSITION

President
Vice President
Secretary
Treasurer
At Large Board Member
At-Large Board Member
At-Large Board Member

BOARD MEMBER

Roy Brookhart
Mark Firley
James Sapp
Jack Kite
Chris Gebhardt
Dick Raup
Joe Sabo

COMMITTEE

Program Committee

Toys-for-Tots Committee

Nominating Committee
Newsletter Publications Committee
Library Committee
Publicity Committee
Sponsor Committee
Internet
Mentor Committee
Membership Committee
Audio/Visual Committee
Photographer
Social Media
Raffle Committee
TWA Duties and Responsibilities Editor

CHAIRPERSON / MEMBERS

Mark Firley / Judy Sanwald, Fred Ford, Terry Tenhouse, Allen Campbell, Jeff Leimberger, Terry Brown, Hal Brown, Mike Payst, Bob Nauman, Bob Andrews, Jerry Rhoades
Fred Ford / Cecil Raynor, Pete Hodges, Bob Gabor, Terry Tenhouse, Hugh Fish and Judy Sanwald, Jim Rhodes, Mark Firley, Les Hall, Joe Sabo, Alex Knittel, Bill Burton, Bob Guenther; Bob Andrews, Ken Serdar, Roy Brookhart, Tom Hegele
to be filled in early 2022
Karin Pihel / Fred Ford
Jerry Rhoades
Roy Brookhart
OPEN
Paul Holzworth
Allen Campbell
Barton Meeks / Judy Sanwald, Paul Holzworth, Sue Bunch
Tom Revelle / Leon Abbas, James Chamberlain
Mark Firley
Chris Gebhardt
Mike Payst
Fred Ford



Not all construction work is equally enjoyable. For example, enlarging a drilled hole is boring, but fastening pieces of metal together is riveting.

TWA SPONSORS

Ashcroft Saws and Tools

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Raleigh, NC 27615

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The Hardwood Store

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1-888-445-7335

www.hardwoodstore.com

Discount: 10 cents per board foot

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919-608-7220

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Raleigh NC 27603

mkeglers@earthlink.net

Klingspor's Woodworking Shop

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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

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Morrisville, NC 27560

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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

Wurth Wood Group

919-231-6620

4213 Poole Rd. (Exit 15 off I-440)

Raleigh, NC 27610

www.wurthwoodgroup.com