



TWA Newsletter

Next Meeting: Tuesday, June 15, 7:00 pm

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

[https://us02web.zoom.us/j/81863563977?
pwd=MUJmdExpZS9yV1lPNlhUOFUvemdDZz09](https://us02web.zoom.us/j/81863563977?pwd=MUJmdExpZS9yV1lPNlhUOFUvemdDZz09)

Meeting ID: 818 6356 3977

Password: 508901

Host: Fred Ford

Topic: Toys for Tots Kick-off Meeting—Toys and Jigs

I thought it might be of interest to see how integral the Toys for Tots program has been to the history of TWA. The TWA started in the spring of 1983 with Tom Purdue as President. Dues were \$5 and membership was 30. The TWA Toys for Tots program was started in 1987 headed by Dan Cameron. In 1992 TWA membership was 400 and 1000 toys were made. In 1993 TWA membership was 500 and 500 toys were made. In 1994 TWA membership was 417 and 1000 toys were made. In 1996 TWA membership was 400 and 1000 toys were made. In 1997 TWA membership was 400 and 1300 toys were made. By 2020 TWA membership was 79 and 4539 toys were made.

At this meeting, each workshop host will show their plans and prototypes for this year's production. You will see some interesting new models and some modified old models. The hosts will also demonstrate some of the jigs that are used in the production of these toys and to bring to our attention any jigs they have in their workshops that they find helpful in making other projects.

I would like to ask all of our non-host members to look through their repertoire of jigs and be prepared to show them to the rest of us. Jigs are an important part of woodworking and please give this some consideration. I'm sure the other members will appreciate it. If you find something you would like to show just give me a call so that that I can add you to the agenda. Telephone number is (919) 469-9575.

I hope to see you all on ZOOM in June. With any luck you will see a jig that will save you time and make your project more accurate.

PS: On the next page, I am attaching two tables to show you the workshop hosts and the anticipated preliminary number of toys to be produced.

*Fred Ford
Chairman of the TWA Toys for Tots Program*

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HOST	TOY	# of TOYS
Bob Gabor	Tote Boxes	50
	Cars	400
Cecil Raynor	Heavy Duty Trucks	50
Terry Tenhouse and Roy Brookhart	Tic Tac Toe	50
	Soma Cube Puzzles	50
	Knick Knack Boxes	50
Jim Rhodes	Tractors	80
Joe Sabo (Klingspor)	Volkswagon	950
Pete Hodges	Volkswagon	200
Mark Firley	Short Trucks	50
	Short Tankers	50
	Long Trucks	50
	Hippos	50
	Pigs	50
Judy Sanwald and Bob Andrews	Fish crayon holders	
	Blocks	
	Puzzles	
Bob Guenther	Helicopters	50
Les Hall	Dogs	108
Bill Burton	Kinetic Rolling Balls	240
	Assorted Rolling Toys	
Bob Andrews	Motor Graders	20
	Flower Crayon Holders	25
	Batmobiles	25
	Maxwell Cars	25
Joe Sabo	Trucks	300
	Cradles	2
	Ring Toss	20
	Keepsake Boxes	100
	Large Race Cars	10
	Tanks	80
	Poppers	100
Alex Knittel	Dogs	20
	Race Cars	50
	Volkswagons	50
	Small Cars	15
Tom Hegele	Tractors	100
Total		3470

TFT WORKSHOPS PARTICIPANTS

BOB GABOR

Jean Thomas
Roy Brookhart
Ray Essington
Pete Hodges

JOE SABO (KLINGSPOR)

Allen Campbell
Fred Ford
Pete Hodges
Cecil Raynor
Patty Raynor
Raleigh Raynor
Zach Raynor
Coelan Raynor
Roy Brookhart
Hugh Fish
Pat Fish
Hugh Donohue
Bruce Wrenn
Mike Payst
Jim Sapp
Bob Andrews

TERRY TENHOUSE / ROY BROOKHART

Hal Brown
Michael Peele
James McNeill
Mark Asman
Barton Meeks

JIM RHODES

CECIL RAYNOR

George Mills
Mike Payst
Molly Taylor
Joe Blackwith

PETE HODGES

Fred Ford

BILL BURTON

Hugh Donohue
Ron Young
Barry Shelley
Steve Spare

MARK FIRLEY

Pete Mulligan
Jeff Leimberger
Bill Watkins

JUDY SANWALD / BOB ANDREWS

Sankar Mohan
Mike Weinberger
Dick Paur
Brandy West

JOE SABO

Jim Sapp
Bill Schott
Kristen Musgrave
Chris Gebhardt

ALEX KNITTEL

BOB GUENTHER

Chris Huddleston
Bob Edmiston

LES HALL

Ed Pack
Dick Raup
Karin Pihel
Layton Long

TOM HEGELE

Chris Hegele

TWA GENERAL MEMBERSHIP MEETING—MAY 18, 2021

(meeting minutes: James Sapp)

Roy Brookhart opened the meeting conducted using Zoom virtual technology. There were 28 people in attendance. There was one guest joining the meeting, Josh Hobgood.

Roy Brookhart highlighted the successful start of the first WW&W (Wood, Wine and Whatever) on-line Zoom meeting held on May 4th. About 15 to 20 folks attended. The meeting was free flowing and included discussions of woodworking and other topics. Attendees recommended that we continue to hold these meetings. An email will be sent for the June 1st meeting.

There was no news to share regarding returning to face-to-face meetings at Klingspor. TWA will be allowed back in for meetings when Klingspor resumes their woodworking classes.

A nomination committee consisting of Fred Ford, Joe Sabo and Bill Burton has been formed to identify members to serve on the board. Two positions, one at-large and the other president, are to be filled as the terms of Leon Harkins and Roy Brookhart expire in September. Any member interested in serving on the

board should contact any one on the nominating committee.

Fourteen Toys for Tots workshop hosts have been contacted to determine forthcoming plans for the year. At next month's meeting, Fred will officially kick-off the Toys for Tots program for this year. Workshop teams will be identified along with their Toys for Tots projects. Fred will ask workshop hosts to discuss the jigs used in making toys as well as other jigs used in woodworking. Joe Sabo announced that the Klingspor workshop will be held on December 4th. The workshop will produce over 400 VW cars.

Cecil Raynor noted that Carolina Builders, which are listed as one of the TWA sponsors and are now known as BMC, should be removed from the list as they do not provide discounts. Raleigh Saw also does provide discounts, and should also be removed from the list. The board plans to update the sponsors list.

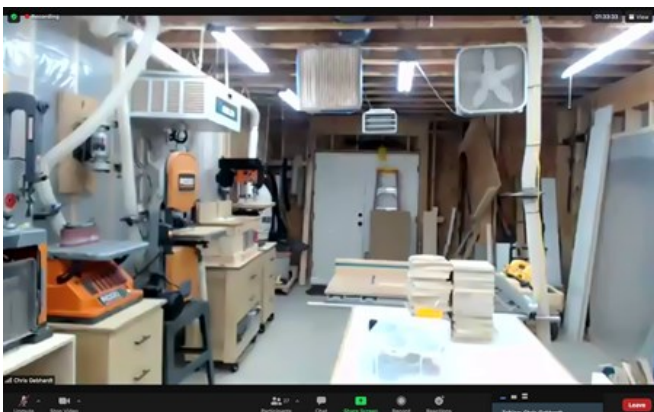
As part of the continuing shop crawl series, Chris Gebhardt gave a tour of



Fred Ford is planning for another big year for Toys for Tots (photo: Mark Firley)

his 29' x 15' shop. Chris got his start in 8th grade woodshop class. Since moving into his new home (with a basement), Chris has been gradually adding machinery and hand tools to his shop. He now has a table saw, planer, bandsaw, drill press, and a combination belt and spindle sander, among others. He has built a router table and benches and storage cabinets. He would like to next obtain a helical head jointer. Chris is a relatively new member to TWA but he is already actively working with Joe Sabo's Toys for Tots workshop. Thanks for a great tour Chris!

The next meeting will be the Toys for Tots kick-off meeting, led by Fred Ford.



Chris Gebhardt provided a tour of his basement shop (photos: Mark Firley)

GUITAR BUILDING FOR (NON-LUTHIER) WOODWORKERS –BILL BURTON

(meeting minutes: James Sapp)

The featured speaker at the May meeting was Bill Burton. Bill describes himself as a woodworker who happens to make some guitars and other stringed instruments, among other projects. He made his first instrument – a mountain dulcimer – back in the early 70's in his father's workshop. Over the next few years, he made several dulcimers and a banjo. About 10 years ago, he made his first mandolin. He waited until his retirement 3 years ago to make his first guitar. He is now working on his fourth 6 string acoustic guitar.

Bill believes making a guitar is good for honing many skills a woodworker needs, which can then be applied to other projects. It forces one to improve accuracy in measuring and marking. In the process one will also learn about steam bending, building jigs and fixtures, alternative ways of clamping, working with thin woods, carving, inlay work, finishing and polishing, etc.

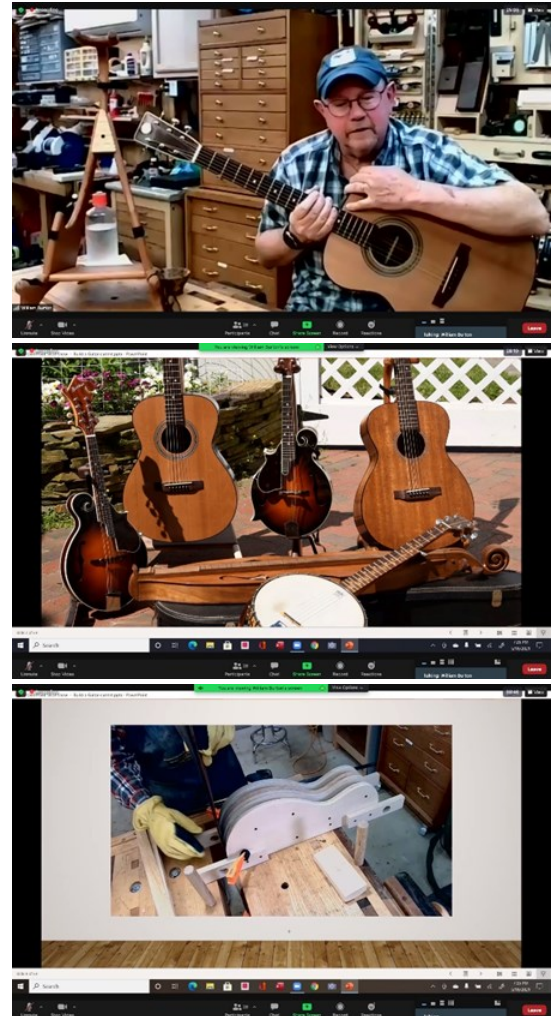
Bill gave an outstanding presentation using Power Point slides along with video clips of his fabrication process. Bill started out by giving us a brief orientation of the basic guitar parts – the head, nut, fret board, neck, and body. Bill makes his guitars of several wood species. The top of the body and bracing inside the body are made of Sitka spruce; the side and back of the body are made from rosewood; the neck is made of mahogany; the fingerboard is made of rosewood. The nut and saddle are made from bone. Bill gets some of his woods through West Penn Hardwoods.

Plans and instructions for building guitars are available in books, videos, You-tube, downloads and guitar kits. Bill gets many of his parts and supplies from Stewart MacDonald

(www.stewmac.com). Guitar kits are also available through Stewart MacDonald, which, according to Bill, is an excellent way to get started in building guitars.

The first step is building the body. The woods used for the body are about 0.10" thick. The sides are steam-bent in a form and then captured in a guitar mold where the neck and tail blocks are glued to the sides. The top and bottom panels are made from jointing and edge-gluing the top and bottom materials. They are then cut to shape of the body sides. Bracing made of Sitka spruce is added to the underside of the panels to provide strength and ultimately to define the sound of the guitar. A sound hole is cut in the top panel and a decorative rosette inlaid to the top. Kerfed wooden linings are added to the top and bottom edges of the sides to provide an attachment surface for the top and bottom panels. After gluing the top and bottom panels, they are trim routed using a special jig. Once the panels are in place, edge banding is applied into a groove routed in the edge of the body. The bridge where the strings attach and transmit vibration is applied to top of the body.

The neck is formed next out of mahogany stock. A groove is cut in the neck for a truss rod, which will allow fine tuning of the string position of the fret board. A dovetailed joint is formed in the neck and body for later attachment of the neck to the body. The fret board, usually rosewood or ebony, is prepared with grooves for the frets. The top of the neck is shaped with hand tools after which a rosewood overlay is applied. Holes are drilled in the neck for the end pins.



Bill provided a fascinating presentation about building guitars (photos: Mark Firley)

The pieces are finished before assembly. After the finishing, the neck is glued to the body at the dovetail joint. The frets are glued to the fret board and the fret board is attached to the neck and body with water soluble glue. The nut is grooved to fit the strings and applied to the neck. The corresponding saddle piece is applied to the bridge on the body. The bridge pins and end pins are added. Finally, the strings are attached.

Great thanks go to Bill for his excellent presentation. The session was recorded on Zoom.

UPCOMING MEETING

Meeting Topic: Boxes

Speaker: Mark Firley

Date: Tuesday, July 20

Mark Firley wears many hats in the TWA organization. He is the Vice President of the club, head of the program committee, club photographer and a Toys for Tots workshop host. Unofficially, he is a leading home-made snack provider at in-person meetings. He is also the emergency back-up presenter.

At the July meeting, Mark will be presenting a selection of boxes from his extensive collection. According to Mark, not all are pretty but all are interesting. Mark does not consider himself a collector, but more of an accumulator. Collecting implies some underlying theme or thought process while accumulating entails more of a "that's interesting/odd/different and I can afford it".

Host: Mark Firley

PRESIDENT'S MESSAGE

What a great monthly meeting we had in May!

Bill Burton was the featured speaker and showed us the steps you must follow as you build a guitar. With the topic that he covered and the top notch presentation that he put together, we were all glued to our Zoom screens. I received a number of requests for a copy of the program recording; it seems that we have a number of musicians in our extended TWA family.

Thanks to Paul Holzworth you will be able to view the recorded meeting. Paul has begun uploading our recorded presentations to the TWA YouTube site. If you want to see Bill's presentation, please click this link: <https://youtu.be/fowhRNz-99A>. More recordings will be added soon and we'll let you know how to find the links.

I look forward to seeing you soon.

Regards,

Roy Brookhart

CLUB UPDATE REGARDING FUTURE FACE-TO-FACE MEETINGS

Great News! We are working with Klingspor's to establish the date when we can resume our face to face meetings in their store. They are anxious to have us back, and we know that many of you are ready to return.

What we are doing now is addressing all the details that will allow for a safe and enjoyable return. As we get more information we will post it in the newsletters, we will announce it at the monthly meeting, and we will send out special email notes as needed. Please watch for more news on getting us back together again.

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.

TREASURER'S REPORT (APRIL)

Beginning Balance: \$9,811.96
 Income: \$130.00
 Expense: \$258.92
 Ending Balance: \$9,683.04
 Does not include Petty Cash of \$86.00

Submitted by Jack Kite, Treasurer

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

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
Leon Harkins
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
Hospitality
Facilities/Refreshments Committee
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

Fred Ford / Joe Sabo, Bill Burton

Karin Pihel / Fred Ford

Jerry Rhoades

Roy Brookhart

OPEN

Paul Holzworth

Allen Campbell

Ken Serdar / Cheryl Serdar, Judy Sanwald, Paul Holzworth, Sue Bunch

Tom Revelle / Leon Abbas, James Chamberlain

Mark Firley

OPEN

OPEN

Mike Payst

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

The Hardwood Store

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

Keglers Woodworks LLC

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

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

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