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October 2017
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TWA Newsletter

Next Meeting: Tuesday, October 17, 7:00 pm (Please note the date change)

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

Speakers: Hugh Fish / Jeff Leimberger

Topics: Building a Table / Hand Planes in a Machine Driven Workshop

Part 1 (Hugh Fish)

Have you ever wondered what was the best way to build a table for a specific purpose? There is no best way to build a table but we will explore several options. Hugh Fish is an experienced furniture builder and a 20-year member of TWA. He builds mostly Early American reproductions with emphasis on Shaker and eighteenth century tables, chairs and chests. He will explain several design issues for building a table intended to last for decades. He will bring examples of his work and explain the reasons for each design. How high should it be, what kind of legs to use, some finishing tips and how to build guides for drawers?

Part 2 (Jeff Leimberger)

In today's world of Festool, Jet, Powermatic, Delta, etc., most woodworkers are not exclusively "traditional woodworkers". The term traditional woodworker has come to mean someone who exclusively uses non-electric tools to create that special piece of furniture for the spouse. I surmise that a larger percentage of woodworkers fall at the other extreme of the hand tool-machine spectrum, with the only hand tool to touch their heirloom piece being the sanding block. Many woodworkers fall in between the extremes, using hand tools when deemed appropriate, but using machines to do much of the dimensioning of stock and joinery – the "hybrid woodworker"!

As someone who is a hybrid woodworker, I am going to describe how I use hand planes in the shop to make my work more efficient (or correct my mistakes!). That dado joint that you cut last week a little too tight now that it has sat around the shop for a while? No problem, three swipes of a side rabbet plane and it fits like the day that the joint was cut! A tenon too tight for its mortise and you have already moved your tenoning jig to another setup? Again, a shoulder or rabbet plane to the rescue. Ten seconds with a plane and there is no need to take the time or risk of trying to take a hair off with the table saw or router. I hope to convince people to at least contemplate using a hand plane to complement your large machinery.

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TWA GENERAL MEMBERSHIP MEETING—SEPTEMBER 19, 2017

George Mills, our president, introduced John DeGreef, who spoke about the Falcon Children's Home of Fayetteville, where he has started a woodworking curriculum for interested children; he is trying to set up a fully equipped woodworking shop and is looking for volunteers to teach there. The kids are learning how to work with wood and also how to manage their money (project costs and income) at the same time. His contact information is: 910-476-6144 if you feel that you have anything to contribute.

The Falcon Children's home is located at Exit 65 off US 95, and benefits children taken out of bad home situations.

Mark Firley was elected vice president at the Board meeting held Sept. 9. We thank Roger Sanwald for his previous service.

Hugh Fish had a presentation for show and tell. He has been fooling around with segmented turning and made a tea kettle out of wood. It is decorative and not functional, but very attractive. It was finished with sanding sealer and an oil and urethane finish (3 coats) that was rubbed out. George Mills showed a plaque he made to display his brass plate awards (for his Firetruck).

Mike Payst auctioning Klingspor's donations (photo: Steve Steinbeck)

If anyone is going to Gibsonville soon, please let Roger Sanwald know, so he can arrange for them to pick up dowels for us (that are set aside for Toys 4 Tots).

Fred told us things are progressing for Toys 4 Tots. George also thanked Fred, Mark Firley, Ken Serdar and Gary for representing us at the Klingspor store during the grand opening. New member Mark Turbak introduced himself. Paige Ferguson is a new member, as is her husband (who was absent). Steve Koff is a new member who previously had experience repairing clocks. Will Jackson and Andrew Franck, who said he is interested in another expensive and frustrating hobby, introduced themselves. The move to the new location seems to be working out for our membership numbers!

Roger mentioned that our newsletter has a list of mentors for the new members available.

After break, Hal won the monthly raffle and Klingspor donated some legs and kits for auction, made of quality wood - thank you very much! We raised quite a bit of cash during the auction.

Jerry reminded us that the video library is open for lending.

TWA GENERAL MEMBERSHIP MEETING—SEPTEMBER 19, 2017

BASIC TOOL MAKING AND THE PROCESS OF HEAT TREATING STEEL—CHRIS BLACK

Roger Sanwald introduced Chris Black who has been with us before. He is a woodworking teacher, and makes various hand tools as well. (He worked at Highland Hardware of Atlanta for years). He worked in DC doing remodeling initially. His presentation was organized with flip charts! His presentation was on Basic Toolmaking.

Chris discussing the various steps of tool-making (photos: Steve Stein-

The raw materials of toolmaking are Steel (0-1 -oil quenched- tool stock, high carbon suitable for heat treating .85-1.25% carbon), wood for handles, and various adhesives. The steel must be heated using a MAPP gas torch to get the metal to 1250 degrees. ALWAYS work with safety gear and a fire extinguisher. You also need basic woodworking equipment, and tools for shaping. Motor oil is used to quench the hot steel. Chris uses a toaster oven for tempering hard steel, a baker's thermometer, vice grip pliers, a magnet (when steel is hot enough it loses its magnetic properties), and/or 1450 degree tempilstik or LAC, a Vise, Hack Saw, Metal Files, a Ball Peen Hammer and sharpening equipment.

Chris then went through the terms used when describing heat treating, like annealing and tempering the metal, which is the most important step.

Chris went on to talk about the process of designing and making a tool. He suggests that in first designing a tool, use full size plans. Second, cut your 0-1 stock (which he buys from McMaster Carr), to length, then shape the steel. Heat it to a critical temperature in an enclosed area

The audience listening to Chris (photo: Steve Steinbeck)

Chris Black discussing tool-making (photo: Steve Steinbeck)

(Chris made a heat trap out of a coffee can with legs) and then quench it. Wipe the oil off when the steel is cool, temper it in the toaster oven, air cool and then do final surface polishing and edge shaping. Sharpen and fit the handle.

Chris shared his address with us and invited anyone to stop in at 1005 Smoke Willow Way in Rolesville. The coffee is always on.

He had one more helpful hint, to test the steel to see if it is annealed enough, run a file over it and it should skate.

Chris brought several items for sale that were very nice modifications of traditional hand finishing tools. The meeting was adjourned.

PRESIDENT'S MESSAGE

Attendance at our September meeting was very encouraging. Our presence at the Klingspor Grand Opening on September 9th resulted in several new members who were in attendance. Please join me in extending a warm welcome to them as we try to do everything we can to make all new members feel like an integral part of our group. Let's keep up the momentum and see our group grow and prosper.

With a change in leadership, I want to express great appreciation to Roger (and Judy, the woman behind the man) Sanwald for all they have done to plan and coordinate meaningful monthly meeting programs and workshops over the past several years. We will continue to draw on their experience in the future. I also want to offer my congratulations to Mark Firley and thank him for agreeing to take on this responsibility for our group. I'm sure Mark will appreciate any suggestions members may have for future programs.

As we enter the peak Toys for Tots building season, I'm anxious to see what our group will produce and deliver to the US Marine Corp at our December meeting. Let's make this the best year ever.

George Mills

TREASURER'S REPORT

Beginning Balance:	$9,844.91
Income:	$706.00
Expense:	$166.22
Ending Balance:	$10,384.69

Does not include Petty Cash of $86.00

Submitted by Jack Kite, Treasurer

MEMBERSHIP COMMITTEE

TWA is happy to welcome the following new members:

- Bob Guenther
- Andrew Franck
- Paige Ferguson
- Ronnie Young
- William Jackson

Ken Serdar, Membership Committee

UPCOMING MEETINGS

TUESDAY, NOVEMBER 14, 7:00 PM

Working with Veneer

Speaker: Dan O'Sullivan

I live in Durham, NC and I have been an active woodworker for around 45 years. Along the way, I have gained experience in building furniture primarily from the 18th century, muzzle-loading longrifles, Windsor chairmaking and basic carpentry.

I began my woodworking journey alongside my uncle as he built lap-strake row boats in the Bath, Maine area. Many of the skills used in boat-building transfer to furniture and rifle work.

I have kept my projects on a small scale and mobile for a couple reasons. I did most of my early work while I was in the USAF. Moving around has its limits. I had limited space to work and every few years brought a move. After retirement from the AF, I spent 19 years in the classroom with the Durham public school system before retirement for the second time.

I continue to instruct students either in groups or individually in my shop. Those skills I teach usually include all types of hand joinery, making chairs, building rifle stocks and working with veneers.

I have several photo albums on the NC Woodworker forum at the address below. In one of the albums you will find some of the veneer work I hope to demonstrate to the members in November.

http://www.ncwoodworker.net/pp/useralbums.php

I look forward to meeting the members of TWA and sharing what I know about veneer work.

Please feel free to contact me at danmart77@aol.com or 919 308-0790 (cell).

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 or James Sapp	Google SketchUp		

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 Rhodes
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; SUPPORT: Bob Andrews, Bruce Wrenn
Nominating Committee	Fred Ford
Newsletter Publications Committee	Karin Pihel — Fred Ford
Library Committee	Jerry Rhodes
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 Rhodes
Raffle Committee	Mike Payst
TWA Duties and Responsibilities Editor	Fred Ford

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