TWA NEWSLETTER

Next General Meeting - Tuesday, October 20th, 7:00 PM

Klingspor Store, 3141 Capital Blvd., Raleigh, NC

October 20th Program - "Here's How I Do It"

Host: Mike Payst

For centuries, woodworkers have learned their skills from other woodworkers. At the October meeting, five TWA members will each share techniques that make them more efficient woodworkers. See page 9 for more details..

DUES WERE DUE AUGUST 1st

Contents

TWA General Meeting Minutes	2
Photographs from the September meeting	3
September meeting - canoe building handouts	4
Toys-4-Tots Status	7
New Members	8
Membership Welfare	8
TWA Treasurer's Report	8
2015 Future Program Schedule & Descriptions	9
Member Tools for Sale	10
Current Board and Committees Members	11
Mentors	12
TWA Sponsors	13

TWA General Meeting Minutes

September 15, 2015

Acting president Pete Bucki called our monthly meeting to order.

Pete Bucki placed a collection box on the front table for donations on behalf of Elizabeth Durand, the widow of long time member Thomas Durand. A total of $180 was donated by members who were present.

Pete reported on the Board meeting and said that revenues are way down and new members are needed. Much of this year's revenue has been allocated for the excellent speakers who will come this year. To offset some of this expense, Pete announced that there will be some "in house" programs by members this year. These were listed on a sheet that Roger Sanwald passed around. The handout also contained a portion which asked members for program suggestions, workshops and speaker candidates, as well as, a volunteer chair for the June social. If members were unable to complete and return the form at the end of the meeting, it was asked that they bring it next month.

The Board discussed honorariums for speakers. Roger will review these for each speaker. There was also a reminder that spouses are now members and may attend meetings without paying an additional fee. Spouses planning to attend meetings should ask for a name tag to be printed.

Fred Ford gave an update on the Toys for Tots Program. All the wheels are in and there are plenty to go around. He thanked all those who have helped in the past and welcomed any additional volunteers to participate. He says it looks as if the program is on track for a good year.

~~Roger announced a November workshop by Mike Fortune on "Working with Curves." It is a weekend workshop, cost is $100.00 per member. Application forms were passed around for those interested.~~ Mike has canceled due to health.

Members were reminded of the Midwest Tool Collectors event at Ed Hobbs farm on Saturday, September 19th. Fee is $20. Pre-registration forms were made available.

There was no "Show and Tell" this month.

Pete Bucki introduced the evening's speaker, Phil Soper, for a presentation on "Strip Building a Canoe/Kayak". There were handouts provided showing the steps he was demonstrating. (Handouts follow.) He provided a very instructive and entertaining program.

Ed Mastin and his wife provided refreshments at the mid-program break.

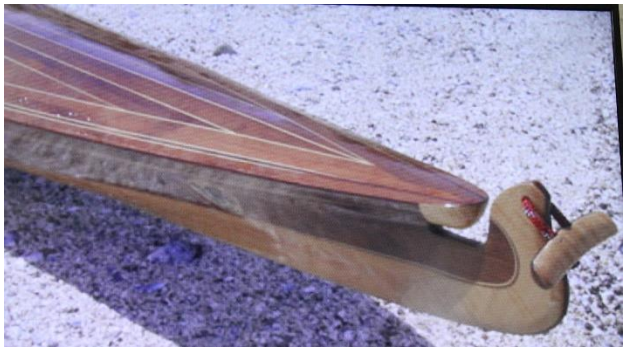
We were then adjourned.

Sue Bunch, Acting Secretary

Photographs from the September meeting

Photos by Ed Mastin

Finished Kayak Bow



Starter Strip Application

Stitching Strips with Hot Melt Glue

Setting the Bow

Heat Bending Strips

Demonstrating Epoxy Resin Application

Strip Building Canoe/Kayak Overview Handouts
Klingspor Woodworking Shop, Raleigh
September 15, 2015
Phil Soper

- Introduction and one minute overview of process
- Designs and plans
  - Solo vs double
  - Speed vs stability
  - Tracking vs maneuverability
  - Lofting charts vs full-size plans vs kits
  - Best instructional books
    - Featherweight Boatbuilding by Mac McCarthy - designer of the Wee Lassie
    - Canoe Building by Susan Van Leuven - excellent step by step for Wee Lassie II
    - KayakCraft by Ted Moores
    - The Strip-Built Sea Kayak by Nick Schade
- Best plans
  - NorthWest Canoe - Many are free
  - Newfound Woodworks
  - Bear Mountain Boats
  - Laughing Loon
  - Guillemot Kayaks
- Materials
  - Wood strips - western red cedar, northern white cedar, cyprus
  - Trim - mahogany, cherry, ash
  - Mill your own vs purchase
    - Average canoe takes 1200 lnft of strips ~ $800 pre-made
    - Cut clear flat-sawn boards to produce quarter-sawn strips
    - Rip on table saw or band saw
    - Router table for cove and bead
    - 1/4" VS 3/16"
    - 50 to 60 bdft should be plenty
    - Splicing shorter length strips - use full length if possible
- Fiberglass and resin
  - Epoxy vs polyester
  - 4 oz vs 6 oz fiberglass
  - E glass not S glass
  - Biaxial weave tape
  - Buy resin and glass from same supplier
  - System Three Resins, inc. Seattle WA
  - West System Bay City, MI
  - Plan on 2 gallons of resin and 1 gallon of hardener

- Final protection coat - a must to protect epoxy from UV
  - Buy the best and when you think you are done add two more coats
  - Eplfanes from Holland – 24 hours between coats - five to six coats
  - General Finishes, Target and Mohawk - quick recoat
  - Automotive clear coat - excellent UV protection, spray only, high $$
- Strongback and station molds
  - Straight and strong
  - 1/2 plywood or mdf
  - Plan on reusing for your second boat
  - Alignment methods - strings vs laser
  - Check often - do not build-in a twist
  - Internal stem lamination
- Stripping
  - Where to start
  - Staples vs nails vs hot-melt
  - Bead and cove vs bevel in place
  - 1/4" vs 3/16"
  - Heat bending
  - Clamping techniques
- Hull fairing
  - Block planning - keep it sharp
  - Long board sanding 60 to 80 grit
  - Machine sanding and dust control - Festool if you can
    - Start with hard pad 80 to 100 grit
    - End with soft interface 120 to 150 grit
- Fiberglassing
  - Personal protection gear - this is a must
  - Turn off your cell phone
  - Best to work when temperature is falling
  - Mix carefully and accurately - pumps are for mustard
  - Work out of shallow tray
  - Again buy supplies from one vendor
  - Protect fiberglass from high humidity and snags
  - Seal coat first
  - Chip brush vs spreader vs roller
  - Clear coat - low viscosity resin for first coat (wet out)
  - Adding protective bow strip
  - Foam brush to pop bubbles
  - Fill coat when wet out coats becomes tacky for chemical bond or wait and clean and sand between coats
- Pop the hull
  - Sanding interior
  - Glassing interior - seal, wet out and fill coat should be enough
  - Keep resin from pooling at keel

- Trimming
  - Gunwales - inner and outer - lots of clamps
  - Thwart
  - Decks and bulkheads
  - Seats
  - Painters
- Final finish
  - Take your time and add extra coats
  - Spray if you can, brush if you must
  - Use only the best materials

Take lots of pictures and get ready for lots of wows

Now get it in the water and enjoy

Call with questions
919-427-9743
philsmail@mindspring.com

Toys-4-Tots – September Status

As you all know, this is our 30th year of TWA Toys-4-Tots. A lot of us are working to make this a really big year. We have 12 workshops going. We have identified all the materials required for the workshops and they have been delivered with a few minor exceptions. All of the workshops are in progress at some phase or another. I am happy to report on two of them for this status report.

The first one is Pete Bucki's. He has already made some vehicles and they are packed and ready for delivery. In the photograph, Pete shows some of the cars he cut out that are going to be assembled by a church group organized by Bob Gabor. I hope to report on Bob's workshop in a later status report. Pete and I both plan to be there to help for the final assembly effort.

The second workshop I am reporting on is being held in Cecil Raynor's home. They have planned to make North Carolina Ferry Boats on the scale of matchbox cars and trucks. Those of you that know this team know that they go through a very rigorous design and prototyping process. I'll try to remember to ask them to share this process with us at the December meeting.

Cecil's team (l to r): Cecil, Mike Payst, George Mills, and Bernie Bogdon.

Ferry undergoing a float and stability test conducted in the kitchen sink as a part of the toy development process.

George reassembling the prototype for these pictures.

Hull of production unit behind assembled prototype.

We are going strong and I'm sure we are going to have a very good December meeting. For any of you that are not involved in a workshop, please think about making a few toys to add to the collection. It is always good to have a lot variety.

Hope to see everyone at our October meeting.

Submitted by Fred Ford
Chairman of the TWA Toys for Tots Committee

New Member Welcome

We welcome 4 new members this month. Be sure to say hello and welcome them.

James Sapp of Raleigh, NC
John Vaeth of Raleigh, NC
Jeff Lang of Chapel Hill, NC
Meryl Valnes of Raleigh, NC

A colored dot on a name tag indicates that the member is new,
Membership Chairman: Ken Serdar

Membership Welfare

If you are aware of any news of illness or misfortune, or better yet, something really good happening to one of our members, please contact Pete Bucki. The TWA wants to support and uplift its members. Pete can be reached either by phone, 919-380-8860, or email, peteb301@att.net

TWA Treasurer's Report

Beginning Balance:	$10,395.90
Income:	461.00
Expense:	1,503.23
Ending Balance:	$9,353.67

Respectfully submitted,
Jack Kite – Treasurer

2015 Future Program Schedule & Descriptions

Month	Program	Speaker	Host
October 20th	Round Robin Skills Demo	**Club Members**	Mike Payst
November 17th **This is a date change.**	TBD		
December 15th	Toys for Tots & Social	**TBA (Roy Underhill?)**	Fred Ford

October - "Here's How I Do It"

Host: Mike Payst

For centuries, woodworkers have learned their skills from other woodworkers. At the October meeting, five TWA members will each share techniques that makes them more efficient woodworkers. Each technique will be demonstrated in a corner of the meeting room to ¼ of the attendees. Every 15 minutes the attendees will rotate to the next corner of the room, and so forth.

The presenters and their topics are:

- **Jim Kroeger** - His methodology for turning a bowl starting with a chunk of a tree.
- **George Mills** - Using a computer for woodworking including CutList (a free program which shows how to cut a set of parts from a set of available stock material) and examples of projects designed using CAD software.
- **Michael Peele/Terry Tenhouse** - Tips for quickly making custom fixtures to speed up repetitive operations (think Toys for Tots) while improving accuracy.
- **Roger Sanwald** - Techniques for getting a really sharp edge on tools with a bevel such as chisels, spoke shaves, and plane irons.

We will set up more tables if other folks bring tools or items they wish to show or demonstrate.

November – Program TBD

Mike Fortune's program, "Working with Curves" has been canceled due to speaker's health.

Member Tools for Sale

Contact Bernie Bogdon, 919-850-0739, 1stsnackman@att.net

Porter Cable D-Base with Manual (Never-Used) - Asking $60

- D-Handle Base with trigger for single-handed control
- For use with 690 Series router motors
- Preferred base configuration for use with dovetail jigs
- Dimensions: 12.5 x 8.8 x 12 inches (WxHxD); weighs 2.0 pounds
- Micrometer ring makes adjustments to 1/64 of an inch

Description: Enjoy optimum power and control with the 6911 from Porter-Cable. Featuring a helpful trigger switch that prevents you from having to look away from your work, this base is a pleasure to hold and handle. During careful edging work you'll appreciate the safe and secure balance of weight afforded by the D-handle and side knob, and shifting both forward and backward is always smooth and stable--never worry about things tipping or toppling over. Precision and accuracy are also guaranteed, thanks to the micrometer ring circling the base--it allows you to make adaptations to within 1/64 of an inch. The 6911 is compatible with Porter-Cable router motors no. 6902 and 6912.

Rockwell 10" 1/8 HP Band Saw with Owner's Guide (Used) - Asking $115

Includes:

- 3 blades
- new ($55) mobile base

Central Machinery 1/2 HP Mortising Machine (Never-Used) - Asking $160

Description: (Harbor Freight Price Item #35570 - $199.99)

3580 RPM
Vertical Capacity 5"
Throat 5"
Weight 54#;

Includes:

- 3 Chisels: 1/4, 3/8 & ½
- new ($30) stand

Sears Air Compressor Model 106.153540 on wheels w/hose – Asking $45

1HP Emerson Motor 15/7.5 amp
100 PSI Twin Cylinder
6.4 cfm @40psi

Speedaire Air Compressor Model 12943 on wheels w/hose – Asking $45

1HP PowrKraft (Montgomery Ward) Motor 12.8/6.9 amp

Current Board and Committees Members

POSITION	BOARD MEMBER
President	**Pete Bucki acting for Diane Philyaw**
Vice President	**Roger Sanwald**
Secretary	**Janet Batker**
Treasurer	**Jack Kite**
At Large Board Member	**Fred Ford**
At Large Board Member	**Judy Sanwald**
At-Large Board Member	**George Mills**

COMMITTEE	CHAIRPERSON/Members
Program Committee	**Roger Sanwald & Judy Sanwald -** Fred Ford, Terry Tenhouse, Allen Campbell, Bob Gabor, Jeff Leimberger, Terry Brown, Hal Brown, Mike Payst
Toys for Tots Committee	**Fred Ford -**Allen Campbell, Joe Gorman, Bruce Wrenn, Cecil Raynor, Diane Philyaw, Pete Hodges, Bob Gabor, Terry Tenhouse, Roger and Judy Sanwald, Jim and Thelma Rhodes, Don Frankfather, Mark Firley, Les Hall, Pete Bucki
Nominating Committee	**Fred Ford/**Terry Tenhouse, Diane Philyaw
Newsletter Publications Committee	**Diane Philyaw -** Fred Ford, George Mills
Library Committee	**Jim & Thelma Rhodes**
Publicity Committee	**OPEN**
Sponsor Committee	**Mike Payst**
Internet Committee	**Paul Holzworth**
Mentor Committee	**Allen Campbell**
Membership Committee	**Ken Sender -** Cheryl Serdar Judy Sanwald, Paul Holzworth, Sue Bunch?
Audio/Visual Committee	**Tom Revelle -** Leon Abbas, James Chamberlain
Photographer	**Ed Mastin**
Hospitality Committee	**Pete Bucki**
Facilities/Refreshments Committee	**John Zatti -** Ed Mastin
Raffle Committee	**Mike Payst & Pete Bucki Co-chairs**
TWA Duties and Responsibilities Editor	**Fred Ford**

Mentors

The purpose of this program is to have a reference guide to call when you need to "pick someone's brain", Rule #1 in woodworking: nobody has a monopoly on brains! This list of people includes: contact information, projects the Mentors are comfortable offering advice about, and skills they would be able to help other members acquire.

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) 870-0508	raynorc@bellsouth.net
Amy Dowden	Google SketchUp		

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
919-608-7220, 919-876-0707
3141 Capital Blvd.
Raleigh, NC
(.9 mile N of Beltline exit 11)
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
Store: 336-578-0500
Mail order: 1-800-645-9292
1125 Jay Lane
Graham, NC 27253
www.woodworker.com

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