



# TWA News

Volume XXI  
Issue 9  
September 2004

Newsletter of the Triangle Woodworkers Association

## NEXT MEETING DATE

**September 21, 2004 7:30 PM**

**The Woodworking Shop  
3141 Capital Blvd**



## September 21st Meeting Antique Tools and Toys

Roy Underhill, The longtime master housewright at Colonial Williamsburg, Roy Underhill is the leading authority on old-time woodworking techniques. He created The Wood-

wright's Shop for public television in 1979. The series, produced by the University of North Carolina Center for Public Television, has aired nationally since 1981, with thirteen new programs introduced each year. Roy is a graduate of the University of North Carolina at Chapel Hill and holds a master's degree from Duke University.

Roy will be presenting how old tools still have a place in the modern workshop. He will also present some old tried and true toys to get us in the mood to attack the Toys for Tots season with vigor. Hosted by Ed Karolak Telephone 383-4233

## October Meeting Program Jigs, Jigs, Jigs and Fixtures

Members of TWA will exhibit some of their favorite jigs and fixtures. They will explain their jigs' construction and use. This meeting will teach you ways to do certain tasks more safely, more efficiently, and more precisely than ever before. Fred Ford and Bob Gabor are just two of the members who are going to share their tricks. Hosted by Jeff Leimberger Telephone 489-5195.

## Annual TWA Tool Auction November 16th

Our annual auction is just 2 months away, November 16. Get your neglected treasures ready to find new homes where they will be loved and used. Complete details will be in the October news letter. Direct questions to Ed Karolak: 919-383-4233 or [Ekarolak@aol.com](mailto:Ekarolak@aol.com).

## TWA Verification Report

A review of the TWA financial records was conducted September 1, 2004. All transactions and records were found in order. This review was conducted because of the transfer to a new treasurer. Submitted by Fred Ford

## Special Word of Thanks!

One of the things that makes the Triangle Woodworkers Association the great club it is, is the willingness of people to devote their time, skills and resources. While we tend to notice our presenters and "masters" most frequently, there are those who work "behind the scenes" to help make the club run smoothly. Last month, we saw the transition of several of these people from offices they have held for some time. Noel Butzke has "passed the checkbook" and served his last month as Treasurer. Kay Baker has done a great job as secretary, recording the minutes from each meeting. And finally, Bob Gabor is stepping down as program coordinator. Please take time to thank each of these folks for their hard work. Although it may not make the lime light they performed very important duties very well!

## Executive Board Meeting

The next TWA Executive board meeting is 7:00 on September 7. It will be held at Hal Liberty's home. Please contact Hal if you have any questions or need directions to his house.

## About the Triangle Woodworkers Association

The Triangle Woodworkers Association (TWA) is a non-profit educational corporation. The TWA is dedicated to teaching woodworking techniques through seminars, classes, and workshops; participants are required to sign waivers absolving liability for TWA or its designated representatives. The TWA promotes woodworking education and community interest in woodworking and in general sharing a love for wood.

### Club Officers and Committee Chairmen

#### Executive Board

President: Hal Liberty, 919-787-7603 or hal\_liberty@hotmail.com  
 Vice President: Bob Gabor, 919-542-5951 or rjgwood@mindspring.com  
 Secretary: Bill Anderson, (919) 932-6050 or willarda@mindspring.com  
 Treasurer: Robert Foss, (919) 782-6472 or fossrg@hotmail.com  
 Members at Large:  
 Dick Courtney, Rick Cornell, Sig Johnson

#### Committee Chairman

Program: Rick McQuay, (252) 363-2162 mcquay@nc.rr.com  
 Nominating: Fred Ford, 919-469-9575 or fwford@bellsouth.net  
 Toys for Tots: Hal Liberty, 919-787-7603  
 Newsletter: Rick Cornell, 919-319-9980 or trianglewoodworkers@yahoo.com  
 Library: Kay Baker, 919-662-8504  
 Publicity: Ron Johnson, 919-544-2021  
 Sponsor: Ed Karolak, 919-383-4233  
 Hospitality: Jim Morrison, 919-851-4384  
 Internet: Jim Kroeger, (919) 362-5741  
 Mentor: Dave Mackie, 919-859-2600 or mackieevad@aol.com  
 Photograph: Ron Heidenreich, 919-848-1134  
 Membership: Rick Cornell or 919-319-9980 Trianglewoodworkers@yahoo.com  
 Audio: Tom Revelle, 919-387-8286

TWA News is published monthly by the TWA and is mailed to members, sponsors, and associates. If you are interested in contributing articles, please send to:

Triangle Woodworkers Association  
 P.O. Box 4206  
 Cary, North Carolina 27519-4206  
 or trianglewoodworkers@yahoo.com



## On the Web

In an effort to make our web site more useful, we have made several enhancements. We now offer:

- “Info” - which contains several charts and information useful in woodworking.
- “Plans” - a section contain various types of plans for woodworking projects.
- “Web Links” - several internet sites for other woodworking clubs. See what others are doing in their clubs.

We would like your contributions as well. If you have informational charts or plans, please contact us. Rick Cornell has offered to scan paper plans to an electronic format, providing they are given to him on 8 1/2 x 11 paper. Plans should be drawn or written in black or blue ink to make it easier for scanning.

You may also find the contents of our ever growing library on the site as well. Remember:  
[www.ibiblio.org/twa](http://www.ibiblio.org/twa)

### Treasurer's Report

Balance 8/1/2004	\$6,765.70
Income	\$341.00
Expenses	\$40.64
Balance 8/31/04	\$7,066.06

Respectfully submitted,  
 Noel Butzke, Treasurer

	Actual	Actual	BUDGET
<b>Beginning Balance</b>	6765.70	6528.15	6528.15
<b>INCOME</b>			
<b>Dues</b>	341.00	3,639.00	6,000
<b>TOTAL INCOME</b>	341.00	3639.00	6,000
<b>EXPENSE</b>			
<b>Workshops/Programs</b>	0.00	3,652.55	3,500.00
Income	0.00	-1,870.00	
<b>Newsletter</b>	26.48	458.72	1,000.00
<b>Equipment</b>	0.00	0.00	100.00
<b>WEB</b>	0.00	170.00	430.00
<b>Meeting Exp</b>	14.16	14.16	140.00
<b>Administrative</b>	0.00	202.17	500.00
<b>Library Exp</b>	0.00	473.49	650.00
<b>Toys-Tots</b>	0.00	0.00	200.00
<b>TOTAL EXPENSES</b>	40.64	3101.09	6,520
<b>Ending Balance</b>	7066.06	7066.06	6008.15

## **TWA Meeting Minutes Tuesday, August 17, 2004**

The meeting was called to order by Hal Liberty, President, at 7:30 at the Woodworking Shop on Capital Blvd.

Hal gave an update on Toys for Tots. He had a group in making cars with some of the mahogany from the estate in Durham and they are turning out very nicely with the dark mahogany and light contrasting wheels.

Bill Anderson and Rick Cornell were voted in as board members and Rick McQuay has volunteered to take Bob Gabor's place as Program Chairman.

Bruce Wrenn presented the program on Proper Dust Control in Your Shop using slides to show numerous different types of dust collectors from various shops in the area. Bruce gave a wealth of information covering dust collectors from the pipe and connections to the wire, bags, filters, and more.

There were two door prizes. One was a \$20.00 coupon toward the purchase of a Rigid vacuum at Home Depot and the other was the video by Jeff Jewitt on Hand Finishing donated by Bob Allbert.

There were 73 attendees and the meeting was adjourned at 8:55.

Submitted by Kay Baker, Secretary

### ***Library Tidbits***

If Bruce has triggered your interest in controlling the dust in your shop you might want to check out Woodshop Dust Control by Sandor Nagyszalanczy (and recommended by Bruce). It is almost 200 pages covering almost every aspect of dust control including problems of dust in the woodshop, strategies for controlling dust, respiratory protection devices, shop ventilation and air filtration, portable dust collection devices, central dust collectors, designing a central collection system, installing a central collection system, and collection hoods and other devices. Stop by and "check 'em out".

Sharing our love for wood,  
*Kay Baker*

## **President's Corner**

We have been asked to have a table and representatives of TWA at the Woodcraft store in Townridge Shopping Center on September 11. Other wood working groups will be represented.

### **Toys for Tot's**

On August 4<sup>th</sup>, I had toy-making workshop. Quite a few toys were varnished and painted.

I have scheduled workshops for TWA members on September 25, October 23, and November 20. These will be at my shop in Wake Forest. I will pass out signup sheets at the next three meetings.

On November 5, we will have a workshop at Home Depot on Capital Blvd in Raleigh. We will be located at the entrance of a special exhibit area for contractors. We will probably have a free lunch. HD will provide any tools we need and wood. This is on a Friday. I will provide more information in next month's newsletter. I hope to have U. S. Marines at this workshop.

I have many different organizations that will be coming to my shop to make toys.

I will start having these volunteers come to my shop on Saturday mornings starting in mid-September and running through early December. Except for the TWA workshops, the times will be 9:00 AM to 1:00 PM. This will give me free afternoons. Most of the groups that will be coming will be doing sanding and finishing (painting or varnishing). I do have a lot of toys that still need wood workers to work on them. This includes operations such as drilling, rounding over with routers and sanding. I can also use any one that wants to do work with the band saw. If anyone wants to come out during the week and work, they are welcome.

Remember that I have lots of mahogany that is available for toys. I will use some for cars and some for cradles. I also have materials to make tables. I would welcome any help.

Hal

**Candid Shots from Our August Meeting  
Dust Collection, presented by Bruce Wrenn**



Many of the various woodworking clubs exchange newsletters. This article appeared in the Northeastern Woodworkers Association April 2004 issue. I thought it may be of interest.

## **Woodworker's Jargon** **- Cloud Kennedy**

**HAMMER:** Originally employed as a weapon of war, the hammer nowadays is used as a kind of divining rod to locate expensive parts not far from the object we are trying to hit.

**MECHANIC'S KNIFE:** Used to open and slice through the contents of cardboard cartons delivered to your front door: works particularly well on boxes containing expensive leather.

**ELECTRIC HAND DRILL:** Normally used for spinning wood screws in their holes until you die of old age, but it also works great for drilling hinge mounting holes in cabinets one inch too high.

**PLIERS:** Used to round off bolt heads.

**HACKSAW:** One of a family of cutting tools built on the Ouija Board principle. It transforms human energy into a crooked, unpredictable motion, and the more you attempt to influence its course, the more dismal your future becomes.

**VICE-GRIPS:** Used to round off bolt heads. If nothing else is available, they can also be used to transfer intense welding heat to the palm of your hand.

**OXYACETYLENE TORCH:** Used almost entirely for setting various flammable objects in your workshop on fire.

**DRILL PRESS:** A tall upright machine useful for suddenly snatching stock out of your hands so that it smacks you in the chest and flings your beer across the room, splattering it against that freshly stained part you were drying.

**WIRE WHEEL:** Cleans rust off old bolts and then throws them somewhere under the workbench with the speed of light. Also removes fingerprint whorls and hard-earned guitar calluses in about the time it takes you to say "Ouch...."

**TWEEZERS:** A tool for removing wood splinters.

**PUTTY KNIFE:** Theoretically useful as a sandwich tool for spreading mayonnaise; used mainly for getting dog-doo off your boot.

**BOLT AND STUD EXTRACTOR:** A tool that snaps off in bolt holes and is ten times harder than any known drill bit.

**1/2 x 16 INCH SCREWDRIVER:** A large table saw prying tool that inexplicably has an accurately machined screwdriver tip on the end without the handle.

**AVIATION METAL SNIPS:** See hacksaw.

**TROUBLE LIGHT:** The woodworker's own tanning booth. Sometimes called a drop light, it is a good source of vitamin D, "the sunshine vitamin", which is not otherwise found under workbenches at night. Health benefits aside, its main purpose is to consume 40-watt light bulbs at about the same rate that 105mm Howitzer shells might have been used during, say, the first few hours of the Battle of the Bulge. More often dark than light, its name is somewhat misleading.

**PHILLIPS SCREWDRIVER:** Normally used to stab the lids of old-style paper-and-tin oil cans and splash oil on your shirt; can also be used, as name implies, to round off Phillips head screws.

**AIR COMPRESSOR:** A machine that takes energy produced in a coal-burning power plant 200 miles away and transforms it into compressed air that travels by hose to a pneumatic impact wrench that grips rusty bolts last tightened 60 years ago and rounds them off.

**PRY BAR:** A tool used to crumple the metal surrounding that clip or bracket you needed to remove in order to replace a 50 cent part.

## Supplies & Sources from August Dust Collection Program

-Bruce Wrenn

Woodworker's Supply: Duct work for dust collection systems.

Penn State Industries: Duct work, high filtration bags, cyclones.

American Fabric Filter Co: Stock & custom made filter bags.

N.B. Handy Co., Raleigh: 5" 26 gauge duct work. 4' lengths only.—other lengths can be ordered, box quantities only.

SSAC (WWW.SSAC.COM) Current Sensor. A.A. Electric, Greensboro is local distributor. 800-237-8274 or 336-854-3093.

Grainger, Raleigh: Belt and direct drive blowers, electric motors, relays.

Raleigh Durham Rubber & Gasket: Flexible hoses.

Fine Woodworking: Dust detector switch. Issue 143—July/August 2000, pg 66-69.

Radio Shack: Copper antenna wire for grounding PVC pipe.

### Trying to Size Your Dust Collector Needs?

Buy a dust collector with enough cfm to handle the dust output of your biggest dust-generating machine. If your shop runs more than one machine at a time, you'll need a dust collector that can cope with their combined dust output. Not sure how much cfm the tools you work with require? Consult the list below:

Planer, up to 12 inches: 400 cfm  
Planer, 13 to 20 inches: 500 cfm  
Spindle shaper: 400 cfm  
Band saw: 300 cfm  
Radial-arm saw: 350 cfm  
Table saw: 350 cfm  
Jointer, 4 to 12 inches: 350 cfm  
Belt-disc sander: 300 cfm  
Floor sweep: 350 cfm  
Lathe: 500 cfm Drill press: 300 cfm  
Scroll saw: 300 cfm

## Do You Use Your Router to Cut Dados?

-Bruce Wrenn

If so, here are two helpful accessories.

1. Dial-A-Dado: Are you tired of routing dados that don't fit either the undersized plywood or the oversized Melemine products that exist today? Wasatch Woods of Clinton, UT ([www.dialadado.com](http://www.dialadado.com)) has solved your problems. They have created a router base (Dial-A-Dado) that is based on an eccentric mounting plate. First you rout a dado using a bit that is smaller than you need. Then using a dial indicator (Harbor Freight, item #623) measure the width of your dad and the material that goes in it. Subtract the width of the dado from the width of the material that goes into it. Loosen the clamping screws and turn the base the amount of difference. Re-rout the dad to create a correct width dado.
2. Reverse Helix Bits. Her-Saf products ([www.hersaf.com](http://www.hersaf.com)) makes a line of screw on cutters. They consist of an arbor and a screw on cutter. The cutter is a reverse helix (down shear spiral) that leaves a smooth bottom with almost no tear-out on the surface. These bits were originally designed for industrial CNC machines. They seem to last forever. (I have routed over 4000 linear feet of dado using just one cutter.) You will need both an arbor (I use HA-50AS 1/2" diameter x 1 1/2" long) and a cutter. Because the cutters screw on the arbor you only need one arbor when using different sized cutters. Cutters cost about \$30.00 each, the arbor about \$8.00. Because the cutters outlast a standard router bit by at least twice, the cost is comparable to a standard router bit.

### Shop Tip—Vise Pads

Soft plastic, magnetic business cards, intended as a refrigerator decoration, are given away by all kinds of businesses, including realtors and insurance agents. They make excellent pads when used with steel clamps!

## TWA Sponsors

Ashcroft Saws and Tools 876-3223  
3216-G Wellington Ct, Raleigh, NC  
25% off list on blades and 10% off on sharpening

Capitol City Lumber Co. 832-6492  
4216 Beryl Road, Raleigh, NC 1-800-244-6492  
Special prices to TWA members  
<http://www.capitolcitylumber.com/>

Carolina Builders 828-7471  
3000 Yonkers Rd  
Hwy. 64 & Old US 1

Klingspor's Woodworking Shop  
(919) 876-0707  
3141 Capital Blvd. (.9 mile N of Beltline exit 11)  
(10% discount excluding lumber and power tools)  
[www.woodworkingshop.com](http://www.woodworkingshop.com)

Raleigh Hardwood Center 231-6620  
4213 Poole Rd, exit 15 off 440 Raleigh, NC  
(10% discount all non-sale items)  
[www.hardwoodgroup.com](http://www.hardwoodgroup.com)

Raleigh Saw 832-2248  
806 McCulloch Street, Raleigh, NC  
(10% discounts on all new products)

Yarnell-Hoffer Hardware 942-3500  
145 Rams Plaza, Chapel Hill, NC  
[www.doitbest.com/yh](http://www.doitbest.com/yh)  
10% discount except power tools and sale items

*Members, sponsors and potential sponsors are invited to contact Ed Karolak with their ideas, questions, or concerns at [Ekarolak@aol.com](mailto:Ekarolak@aol.com) or call at 919-383-4233*

Tarheel Wood Treating Co. 467-9176  
Highway 54, Morrisville, NC  
(Contractors prices on all wood products)  
Show TWA card before order is written

The Hardwood Store 1-888-445-7335  
Gibsonville, NC  
Discount: 10 cents per board foot  
[www.hardwoodstore.com](http://www.hardwoodstore.com)

Woodworker's Supply of NC  
1125 Jay Lane, Graham, NC  
(Wholesale prices)  
store (336) 578-0500  
mail order 1-800-645-9292  
[www.woodworker.com](http://www.woodworker.com)

Professional Tool Manufacturing  
[www.drilldoctor.com](http://www.drilldoctor.com)  
25% Discount for online purchase of any Drill Doctor. Must use coupon code: TWAi  
Contact [wms@protoolmfg.com](mailto:wms@protoolmfg.com) with any questions.

Guy C. Lee Building Materials 362-1444  
900 N. Salem St., Apex, NC

Home Depot does not provide discounts, due to company policy, but they support our Toys For Tots program by providing space and materials. They deserve our support.

### **\$ CLASSIFIED ADS \$**

Classified ads are free to all current members. If you would like something listed, please send a note to the editor at [TriangleWoodworkers@yahoo.com](mailto:TriangleWoodworkers@yahoo.com)

**Lumber For Sale:** Furniture Grade: White & Red Oak #1 Common \$1.00 B.F. Clear \$2.00 to \$2.50 B.F. 3' - 16' long up to 12" wide. Poplar #1 Common 70 cents B.F. Clear \$1.50 B.F. Also colorful Hickory, Soft Maple & Walnut. A little left of Planed & Kiln dried. Quantity discount. Arlin Scott 967-6017 prefer you call evenings. Chapel Hill

**For Sale:** Inkra - jig - equipment 1) Universal precision positioning jig. 2) Right angle fixture. 3) Set of 17 templates. 4) Universal measuring gauge. Manuals for all four. \$50.00 Delta Mortising Attachment #17 - 905. Fits 2 5/8 quill collar. Set of 5 Jet mortising bits and mating chisels; 1/4, 5/16, 3/8, 1/2, & 3/4. \$25.00. Contact Larry at ( 919 ) 467 - 2942.

**For Sale:** 18" Grizzly Band Saw, 220V, 2 HP, \$300.00, Dewalt 12" Compound Miter Saw (DW708) and Dewalt Miter Saw Stand (DW723), \$600.00, Craftsman 10" Contractor Series Table Saw, \$100.00, Porter Cable Finish Nailer (F205), \$75.00, Craftsman 1/2 HP Router, \$25.00, Clamps, Large Assortment, \$75.00, Call at 557-5035 or email [tylerwaters@hotmail.com](mailto:tylerwaters@hotmail.com)

**For Sale:** Used Craftsman 10" Radial Saw with manual and accessories. \$150. Phone 919-942-9224 or email [jkitay@myway.com](mailto:jkitay@myway.com).

**For Sale:** WOODWORKING SHOP – over 400 sq. ft. with upstairs storage, AC, 230 electrical service. Situated on scenic 2+ acres with house near Apex. \$398,500 Call (919)387-0233.

# TWA

## Membership Application

Complete and mail to:

Triangle Woodworkers Association  
P.O. Box 4206  
Cary, North Carolina 27519-4206

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Spouse's name, if joining (fee is \$1.00): \_\_\_\_\_

Skill level:      Beginner [ ]      Intermediate [ ]      Advanced [ ]      Professional [ ]

**New member- email newsletter \$30.00 [ ]**

**New Member – hard copy newsletter \$35.00 [ ]**

**Renewal – email newsletter \$25.00 [ ]**

**Renewal – hard copy newsletter \$30.00 [ ]**

**Check #** \_\_\_\_\_

**Cash** Amount \_\_\_\_\_ (Do not send cash through mail!)

**Privacy Opt-Outs:** Please Do NOT Publish My [ ] Phone Number [ ] Email Address on Membership lists. (Note: This means your phone and email information will be used only for club correspondence by club officers and committee chairman)

**MEMBERSHIP EXPIRED?** Check the mailing label, for the expiration date of your membership. If it says EXPIRED, please contact our membership coordinator to renew. You may receive several newsletters past your expiration date and then no more. If you have a question about your membership, please contact Rick Cornell (919-319-9980).

Triangle Woodworkers Association  
P.O. Box 4206  
Cary, North Carolina 27519-4206