



TWA News

Volume XXI
Issue 2
February 2004

Newsletter of the Triangle Woodworkers Association

Meeting Date:
February 17, 2004
The Woodworking Shop
3141 Capital Blvd

February Meeting **Spindle Turning**

Terry Brown, a member of the Triangle Woodturners of NC and professional furniture maker will present a program of spindle turning on the lathe. He will demonstrate the turning and duplicating a table leg. He will also demonstrate the proper use of the tools, safety practices when using the lathe, sanding, and some lathe accessories. In addition to being a fine woodturner, Terry has a broad knowledge of woodworking and cost saving ideas and techniques that apply to woodworking in general. Alan Leland will be the host instead of Dave Mackie who is going to Florida to get warm.

Tuesday, March 18th meeting **Using the Router -- Bob Gabor**

Bob retired from the Electronics Industry in 1990 and almost immediately began the serious pursuit of his nearly lifelong interest in woodworking. He now carries on his woodworking activities in a shop that he built about 4 years ago. He has presented programs for the last several years, obviously enjoys teaching and prepares his programs so that they are interesting for all skill levels. The router is one of the most versatile tools available to the woodworker and the addition of simple jigs can take its usefulness to another level. Bob will show you an economical approach to getting started with a router table setup; (expensive fences and tables are not really required to get good results.) He'll also cover the design, construction and use of jigs for perfect joinery, easy to cut hinge mortises, edge trimming, curve cutting and more. Additionally, he'll show you his fast, simple and foolproof method of building bending/gluing forms for curved pieces. This program will be full of good, practical information for woodworkers of all levels. Door prizes, including a "Bob Gabor" Jig, will be offered. Hosted by Fred Ford. Telephone 469-9575.

Friday, April 23rd meeting. **Furniture Building Chest**

Lon Schleining began his career as a professional woodworker in Southern California in 1978 building staircases. To date he has built several hundred projects including many one-of-a-kind designs. A gifted teacher, he taught woodworking classes at Cerritos College for four years. In 1995 he began to write articles for Fine Woodworking and Fine Home Building magazines. He has more than 50 articles in print and was recently named Contributing Editor for Fine Woodworking. Starting in 1998 he began to travel with the Woodworking Shows, teaching seminars on a wide variety of subjects.

Lon will be the instructor for the Sat. Apr. 24 and Sunday Apr. 25 workshops where he will build a small chest. The final design has not been decided yet but the following is an outline of each day.

Saturday: design considerations, glue up techniques without using a jointer, and some assembly.

Sunday: complete assembly, build and fit a door or lid, complete and ready for finish. This is a rather sketchy description of the weekend work but I hope to have a better definition by the March meeting.

In the surveys that Fred Ford did last year there was a high level of interest expressed in building a chest but I have had no input as to what type of chest is of interest so send me your ideas. The price is \$25 for either day or \$50 dollars for the weekend. Noel Butzke will have a sign up sheet available at the February meeting. Remember that you need to pay when you sign up. Dave Mackie is the host and the workshop will be held in his shop.

Changes To Newsletter Classified Ad **And Article Due Dates**

Over the years, it seems it is always a challenge trying to determine what the due date is for classified ads and contributions to newsletters. Starting in February, all items to be placed in the newsletter are to be submitted by the 1st of the month. Your efforts are appreciated!

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: Kay Baker, 919-662-8504, kaybaker@nc.rr.com
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Committee Chairman

Program: Bob Gabor, 919-542-5951 or rjgwood@mindspring.com
 Nominating: Fred Ford, 919-469-9575 or fwford@bellsouth.net
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 Newsletter: Rick Cornell, 919-319-9980 or trianglewoodworkers@yahoo.com
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 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 27510-4206

or trianglewoodworkers@yahoo.com

Deadline for submitting articles and classified ads to the next newsletter is:

March 1, 2004

President's Corner

The first meeting was an excellent start for 2004. Thanks to the program committee for the high quality programs we have planned for this year. I have two subjects that I would like to discuss at the February meeting:

- 1: Should we start having drawings at meetings again?
- 2: Should we expand the use of the web site?

Toys for Tots Program

I am planning on a workshop at a senior citizens center this month. We have about 800 unfinished toys and I thought we could start early. The senior will paint at the first session. After I see what they can do, I will expand the program.

The APO fraternity from NS State is planning to come out on a Saturday afternoon to work on the toys that are ready for sanding.

Treasurer's Report

| | |
|------------------|------------|
| Balance 12/31/03 | \$6,528.15 |
| Income | \$1,539.00 |
| Expenses | \$329.94 |
| Balance 1/31/04 | \$7,737.21 |

Respectfully submitted,
 Noel Butzke, Treasurer

As of 1/31/2004

| | Dec Actual | YTD Actual | 2003 BUDGET |
|--------------------------|----------------|----------------|----------------|
| Beginning Balance | 6528.15 | 6528.15 | 6,528.15 |
| INCOME | | | |
| Dues | 549.00 | 549.00 | 6,000 |
| Workshop | 990.00 | 990.00 | |
| TOTAL INCOME | 1539.00 | 1539.00 | 6,000 |
| EXPENSE | | | |
| Workshops/Programs | 50.62 | 50.62 | 3,500.00 |
| Newsletter | 28.89 | 28.89 | 1,000.00 |
| Equipment | 0.00 | 0.00 | 100.00 |
| WEB | 30.00 | 30.00 | 430.00 |
| Meeting Exp | 0.00 | 0.00 | 140.00 |
| Administrative | 0.00 | 0.00 | 500.00 |
| Library Exp | 220.43 | 220.43 | 650.00 |
| Toys-Tots | 0.00 | 0.00 | 200.00 |
| TOTAL EXPENSES | 329.94 | 329.94 | 6,520 |
| Ending Balance | 7737.21 | 7737.21 | 6008.15 |

TWA Meeting Minutes Friday, January 16, 2004

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

Visitors were introduced including Camilla Lamb with her Girl Scout cookie sales list.

Dave Mackie announced that he is hosting the workshop in April with Lon Schleining from California. Dave will be out of town in February but Noel Butzke will have a sign up sheet. Lon will do the program for the regular Friday night meeting at the Woodworking Shop, and a workshop will be held Saturday and Sunday in Dave Mackie's shop. We will be building a chest. You can attend Saturday and/or Sunday - \$35.00 for one day \$50.00 for both days.

Rick Cornell announced that he has not changed the format on the email newsletter but that he did change from Microsoft Express to Microsoft Outlook. This caused problems which took many hours of debugging to solve but it has been fixed. He has been working on a membership list to be provided by email that will not divulge email or telephone numbers that members have requested to keep private. Only club officials will have access to a complete list.

Jack Barnes announced that the Caricature Carvers of America carved a display called "The Full Moon Saloon" which is on display at Woodcraft for two weeks. Their Web site is www.cca-carvers.org.

Charlie Main announced that Charles Kirkpatrick in Highpoint is in the process of organizing a new woodworker's club called Triad Woodworkers Assoc. They meet in the new Woodcraft store in Highpoint. Anyone from that area who travels to our meeting might be interested in that club also.

Jeff Leimbarger announced that Kelly Mehler wanted to let us know that he has succeeded in opening his wood working school and is accepting students for this summer. His web site is kellymehler.com.

Bruce Wrenn announced that the Southern Farm Show will be Feb. 3rd, 4th, & 5th. This is a good place to compare bandsaw mills. The Greensboro Show is Feb. 19th & 20th. Bruce will be going on Thursday – give him a call if you're interested in going. The Charlotte show is March 13th, 14th, & 15th. The following weekend is the show in northern Virginia. We could go up Saturday morning and come back late Sunday evening. The choices there would be the woodworking show, the Renwick Museum, or the Air and Space Museum. To register on-line for the Greensboro show

use GSNP or WDN. The web site is www.carolinaswoodexpo.com.

Hal Liberty had hard copies of two emails he received. One was for a professional photographer based in Raleigh who thought some of us may need his services. The other is a request for a custom turned column.

Fred Ford introduced Darryl Keil who came from Brunswick, Maine to speak about veneering. He was very instrumental in bringing vacuum pressing into woodworking. He had numerous slides to show various ways to use veneer in designs with examples of book matching, sequence matching, four way matching, various types of veneer, etc.

The meeting was adjourned at 9:30 p.m.

Submitted by Kay Baker, Secretary

Corrections To 2004 Program Calendar

Please note the following corrections to the TWA Program Calendar:

| | |
|------------------------|---------------|
| March meeting date: | March 16th |
| May meeting date: | May 18th |
| November meeting date: | November 16th |
| December meeting date: | December 7th |

Program topics remain the same.

We' Moved!

If you have not been to our website in a while, you may wish to change your browser's bookmark to: <http://ibiblio.org/twa/>

Check out the site! It is a great place to catch up on old newsletters and see what the club has been doing.

We are also looking for suggestions to make it even better. Please check it out and forward any suggestions by using the "Email Webmaster" link.

Daffynition: Tablesaw – a large flat metal surface, usually centrally located in a shop, onto which the owner piles stuff. Occasionally used to cut wood – after cleaning off stuff.

Bruce's Bits

Contributed by Bruce Wrenn

In a Vacuum?

After attending Daryl Keil's workshop, did you think that a vacuum bag was a "gotta have it" until you saw the price, then it became "I wish I could afford it"? Cheer up, there are less expensive ways to get into vacuum pressing. First, you will need a vacuum generator. There are three basic types: venturi pumps, piston pumps and rotary vane pumps.

Venturi pumps use expanding air to generate a vacuum. These require a source of compressed air to operate. Your venturi pump must be sized to match the output of your compressor. For a better understanding of how a venturi works, see Shop Notes #40, page 17 or Woodshop Jigs and Fixtures by Sandor Nagyszalanczy, pages 167 and 168. (available in TWA library). Sources: Air-Vac – Engine Company. You will want model number AVR093H. (About \$22.00). Reid Tool Supply Company (www.reidtool.com, 1-800-253-0421) carries SMC Vacuum Ejectors. You will want SMC Model 8530 (about \$24.00). Some come with a built in silencer, if not buy one!

The second class of vacuum generators are piston pumps. They can be either a diaphragm pump or a true piston pump. Diaphragm pumps generally generate about 20 – 25" Hg. This is adequate for woodworking purposes. Most air compressors (oil less or not) can be converted to a vacuum pump if they have a threaded inlet to allow adapting to pipe fittings. You will need an inline filter to protect you pumps valves from trash. I use a Fram #3606. It fits ¼" poly tubing perfectly. An old compressor from a refrigerator can be used for a vacuum pump for a limited time. (The refrigerant furnished the cooling, so it will overheat when used for long periods.) HVAC service techs use a vacuum pump to remove moisture from AC line prior to charging. They need pumps that pump into the micron range. When their pumps get worn they are generally discarded as it costs as much to rebuild as a new one. Check with your HVAC contractor. An old AC compressor from a car can also be used to build a vacuum pump. You will need either a Borg-Warner, Techumsie or York pump. The clutch will need to be welded shut.

Diaphragm & Piston pumps can be bought from Grainger or the Surplus Center (1-800-488-3407). Check pawn shops for HVAC pumps. (Limit yourself to \$100 maximum price.)

The third class of vacuum generators are rotary vane pumps. They can be either belt drive or directly coupled to their electric motor. Rotary vane pumps come both oil-less and oiled. Rotary pumps produce the least amount of noise when running. This is important as you will run your bag for 2 – 8 hours at a time. With proper controls your pump won't have to run continuously - only when the vacuum in your bag drops. Next month – Building your own vacuum bag. Further reading – The Veneering Book by David Shathsquare. Available from Woodcraft, The Woodworking Shop, etc.

Vacuum Bagging isn't limited to veneering. It can be used to laminate multiple layers of plywood or MDF to make router table tops or thick fences for table saw sleds.

Cutting a Dado in Plywood

Setting a stacked dado set to cut a dado for plywood is a pain. Instead of trying to sneak up on your needed width, just assemble your dado set slightly oversize. Then cut a dado in a piece of scrap. Next insert your plywood into the dado and then insert a feeler gauge into the dado next to the plywood to fill the resulting gap. By removing the same amount of shims from your dado set as the thickness of the feeler gauge your dado will be set perfect. For you young people – a feeler gauge is a set of precision metal blades that was used to set the "points" in a distributor on your car. Feeler gauges are available from Sears, Agri-Supply, Autozone, etc. for about \$10. For shims you can use post it notes (0.0004" thick) with holes punched in them or use AOL disks (0.046" thick).

Upcoming Events

By the time you read this, the Southern Farm Show will have come and gone. I hope you got out to see the bandsaw mills in action. If not – next year!

Carolina's Industrial Woodworking Expo – February 19th and 20th. For pre-registration, go to www.carolinaswoodexpo.com. Enter free pass code GSNP. A group will be leaving Bo Jangles on Highway 64 in Apex at 7:30 am to go to Greensboro. Come join us. This show is held regardless of the weather. (I have been in snow before!) We could stop at the Woodworke's Supply in Graham on the return trip.

The Woodworking Show in Charlotte – March 12th, 13th and 14th. We will, again, be leaving from the Bo Jangles in Apex at 7:30 am on Saturday the 13th to go to Charlotte. We will return to Apex and probably have a group meal at ocen Stars Seafood. (Corner of Hwy 55 & US 1). Invite your spouse to come and join us for dinner.

The Woodworking Show in Washington DC – March 20th and 21st. Trip canceled due to underwhelming response.

Please let Bruce Wrenn know if you are going to either event. Phone 919-362-0878.

* * *

It doesn't get cold in the Orient. Sounds absurd doesn't it? It must not get cold in China or Taiwan because most tools from there have cord sets that become rigid when it is below 50°.

Library Tidbits

For those of you who attended Darryl Keil's workshop you might be interested in two of our new books. At the end of the workshop Darryl passed around a sample of inlay work with shading that was very impressive. *Woodworking Techniques* by Fine Woodworking, and *Marquetry & Inlay Handbook* by Zachary Taylor both show the process that Darryl briefly explained of using hot sand to shade the veneer.

Those two books are included in the group that I have just processed and will be ready for circulation at the next meeting. Here is the list so you can see what you might be interested in.

| Title | Author | Subject |
|--|---------------------|------------------|
| Handcrafted Cabinetry | Yoder, Robert | Cabinetry |
| Classic Cabinetry | Woodsmith | Cabinetry |
| Bookcases, Shelves & Cabinets | Woodsmith | Cabinetry |
| Furniture & Cabinet Construction | Rae, Andy | Cabinetry |
| Carving a Totem Pole | Jensen, Vickie | Carving |
| Restoring Wood | Miro, Eva | Finishing |
| Wdwrkg. Techs. - Best Methods for Buildg. Furniture | Taunton | Furniture |
| Traditional Furniture Projects | Fine Woodworking | Furniture |
| Traditional Woodworking Handtools | Blackburn, Graham | Handtools |
| Doors, Windows & Skylights | Ahlstrand, Alan | Home Improvement |
| Trim Carpentry and Built-Ins | Dekorne, Clayton | Home Improvement |
| Windows and Doors | McBride, Scott | Home Improvement |
| Mastering Woodworking Machines | Duginske, Mark | Power Tools |
| The Weekend Carpenter | Gardner, Phillip | Projects |
| Terrific 2 X 4 Furniture | Henderson & Baldwin | Projects |
| Marquetry & Inlay Handbook | Taylor, Zachary | Technique |
| Woodworking Techniques and Projects | Bailey, Anthony | Technique |
| Shaping Wood | Bird, Lonnie | Technique |
| The Toolbox Book | Tolpin, Jim | The Shop |
| The Small Wood Shop | Fine Woodworking | The Shop |
| The Complete Books of Woodworking | O'Donoghue, Declan | Woodworking |

Candid Shots from the January Meeting



Hey members—if you would like to share pictures of some of your projects, please send them to me at: Trianglewoodworkers@yahoo.com

Please provide a description of the project and perhaps a narrative of what was involved in making it. I can always use them in our newsletters!



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

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

Klingspor's Sanding Catalog 800-228-0000
P.O. Box 3737, Hickory, NC 28603
10% discount excluding lumber and power tools
www.sandingcatalog.com

The 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

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

Raleigh Saw 832-2248
806 McCulloch Street, Raleigh, NC
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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

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

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

The following companies do not provide discounts to Members but support TWA and our programs in other ways:

Home Depot

DeWalt Tools

* * * *

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

\$ 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

For Sale: Shopsmith Mark V w/accessories, \$1700; Craftsman 6" jointer, \$135. Call Peggy Wilson at 919-362-8416 (Apex).

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: Sears Craftsman 10" laser miter saw in new condition. Made approximately six cuts. Some of the accessories are still in their original packaging. Sold new for \$200. Asking \$140. If interested contact Don Frankfather, (919) 266-1669

Membership Application
Complete and mail to:
Triangle Woodworkers Association
P.O. Box 4206
Cary, North Carolina 27519-4206

Save \$5 when you choose to
receive the Newsletter by
email! Contact Rick Cornell if
you have any questions!

Dues for twelve month period (please check)

New (\$35) _____ Renewal (\$30) _____

Change of Address _____ Label on Reverse Side is Correct _____

Note: **\$5 discount** if you receive Newsletter by email _____

Name: _____

Nick Name (for name tag): _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: (_____) _____ email _____

Spouse \$1 (new & renewal). For spouse membership complete the following:

Spouse Name: _____

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 27510-4206