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Labor Day

Meeting time reminder & mailer label



Labor Day is important because
it honors the workers of
America

TWA Club Members

Tuesday

August 21st, 2012

7:00 PM

The Woodworking Shop
3141 Capital Boulevard, Raleigh, NC

Several members meet at 6:00pm Buffalo Brothers Pizza & Wings
for dinner prior to the meeting. Please join us!

Tuesday

August 21st, 2012

Subject: Domino Rises & Scraper Anxiety Falls
Speaker: Michael Joerling

This month's meeting is a two for one! Amy Dowden has agreed to demonstrate how she uses the Festool Domino tool in her work. Amy has a custom furniture shop in Chatham County. For those unfamiliar with the Domino tool, it creates mortises that allow the use of loose tenons to join furniture components. A biscuit joiner on steroids – with apologies to Festool.

The second part of the meeting will hopefully give everyone the chance to actually try their hand (or should I say hands) at using a scraper. It seems that over the years we have had several demonstrations of their use and yet some of us are still amazed at how well they work. There will be a brief presentation on the fundamentals of scraper use and then the chance to try it out. Several workbenches with guidance will be available to help you learn how to get shavings with a sheet of steel.

Back by popular demand, club members will exhibit their skills in a series of work stations. The current plan is to have members demonstrate their favorite way to cut mortise and tenon joinery.

Host: Jeff Leimberger

Book Distribution

TWA has accumulated quite a number of books, which over time have become outdated or duplicated. Books are being made available to members at the August meeting. Cost of each book will be what you are willing to donate to the "kitty." The only requirement is that dues are paid -- once that is done you can shop till you drop and take home some treasures.

Librarian: Kay Baker

Membership

2012 term ended July 31st

The response for membership renewals has been very good, however there are many members who haven't yet renewed and have now been dropped from our system.

Membership is \$40.00(email) ~ Spouses are \$1.00. Grand fathered hardcopy newsletters are \$45.00. I plan to be at the next meeting by 6:30 pm to collect payments and deliver new badges for those who have renewed.

If you wish to send by mail: Kay Baker at 610 Benfield Ct., Garner, NC 27529 ***Make all checks payable to TWA.***

Membership Chairman: Kay Baker

ABOUT THE TRIANGLE WOODWORKERS ASSOCIATION (TWA)

The Triangle Woodworkers Association (TWA) is a nonprofit 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: Allan Campbell, (919) 772-4551
aacjr@nc.rr.com

Vice President: Jeff Leimberger (919) 698-8927

Secretary: Joe Gorman, (919) 772-6069
Gorman@hotmail.com

Treasurer: Hugh Fish (919) 467-5696
hughpatfish@yahoo.com

Members at Large: Larry Bradbury, Charles Buenzli,
Chuck Arnold

Committee Chairman

Program:-----Jeff Leimberger (919) 698-8927

Nominating:-----Mike Reddyhoff, (919) 676-9180

Toys for Tots:-----Fred Ford, (919) 469-9575

Newsletter:-----Diane Philyaw, (919) 764-9266
irishrose2365@yahoo.com

Library:-----Kay Baker, (919) 696-8504
kdbakerkdb@yahoo.com

Publicity:-----Charles Buenzli

Mentor:-----Larry Bradbury,
lbradbury12@yahoo.com

Facilities & Refreshments:-----Chuck Arnold woodenitbenice@nc.rr.com

Raffle:-----Mike Payst, mpayst@nc.rr.com

Sponsor:-----Bill Anderson, (919) 932-6050
willardanderson@bellsouth.net

Hospitality:-----Kay Baker, (919) 696-8504

Internet:-----Jim Kroeger, (919) 362-5741

Photographer:-----Ed Mastin, emastin@nc.rr.com

Membership:-----Kay Baker, (919) 696-8504

Audiovisual:-----Tom Revell, (919) 387-8286

Webmaster:-----Roger Philyaw, (919) 764-9266
rphilyaw1@gmail.com

TWA News is published monthly and is mailed/e-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@gmail.com or irishrose2365@yahoo.com

BY THE NUMBERS

Treasurer's Report

Beginning Bank Balance:	\$7,095.97
Income:	\$1,465.00
Expense:	\$697.60
Ending Bank Balance:	\$7,881.37

Note: figures exclude petty cash & other "slush" funds.

Note: \$1,910.00 in Toys for Tots (personal & raffle) donations.

Submitted by: Hugh Fish



TWA is on Facebook



On our website www.trianglewoodworkers.com you can hit the link to "like" us on facebook or if you do not have a facebook page you can create one if you like. Or you can go to www.facebook.com and search for TWA and add us as a friend.

I am adding many of the photos from events to our facebook page - many of these I cannot fit into the newsletter. Be sure to look for new items.



NEW MEMBER WELCOME

We welcome 0 new members this month.

???



A colored dot on a name tag indicates that the member is new, so be sure to say hello and welcome them.

Membership Chairman: Kay Baker



I have taken a new job and now have to travel. Some meetings I will not be able to attend. Leon Abbas has graciously stepped up to the plate in my recent absences. I am writing to request 1 additional person who could help setup, run, and take down the sound and video equipment. If you can program your VCR, or setup your DVR as it goes now, you can do this job. I will happily help train the person starting with the next meeting. If you are interested, please contact me by phone at 919-387-8286, email thomas.revelle1@gmail.com, or see me at the next meeting.

Respectfully submitted by: Tommy Revell

www.trianglewoodworkers.com

THE PRESIDENTS CORNER



"If you're ridin' ahead of the herd, take a look back every now and then to make sure it's still there." ~Will Rogers

At the August meeting, we will elect the new Board members. The candidates for the 2 open positions are **Pete Bucki** and **Steve Steinbeck**, each for a 3 year term beginning in September. Letter votes are permitted and encouraged if you can't attend the August meeting. Send me your letter and I will see that it is counted. Although our governing documents do not mention e-mail voting, I will also accept e-mail as I believe the documents would allow it if we had thought of it at the time they were written.

I was saddened to hear that Charles Buenzli, a valued Club member, Board member & our Publicity Chair passed away on July 17th. Charles was a truly good guy and we will miss his company and his good counsel. His family requests any memorial contributions to be made to the Preston Robert Tisch Brain Cancer Center at Duke: DUMC Box 3624, Durham NC 27710.

Dues are payable now and I hope everyone has already taken care of renewal so you can participate in the Great *"Library Overstock Reduction"*. There will be 4 or 5 boxes of wonderful books available to go home with you. Paid dues & a donation of your choosing makes your personal library a bit larger. Kay does tell me that if you truly cannot afford a donation she will allow the book to go home with you anyway. Any books not claimed will be sold to a used bookstore which doesn't pay much, so let's be sure that most, if not all, find good homes and our library and club have a few bucks to do something nice with.

Klingspor is sponsoring the *2012 Woodworkers Showcase*. The date is September 15th, which should give us time to prepare our entries. The flyer is located on pages 8 & 9 of this newsletter.

The event is a lot of fun, with demonstrations, sales, a great competition, and a chance to see other's projects. I encourage everyone to enter something in the show. The largest group of entries is always from our members. I have entered something each year and can tell you that it is fun to be part of the event whether your entry wins something or not. Without our participation I really think this event would cease to exist, so let's get behind it and make it another great success.

While we have eliminated most of the 1 person committees, there are still a few opportunities for members to help administer the club activities. I would like to add someone to the audio-visual committee and to the Facilities and refreshment committee. If you would be willing to volunteer for one of these assignments, please let me know. Also, if these committees do not seem to fit well with your skills and/or interests, but you would like to help the club in some capacity, please let me know.

I continue my efforts to increase membership in our Club and my desire to share our love for wood and ask my fellow members to invite a guest to visit and hopefully join. I am not suggesting a hard sell, but if you know someone who might enjoy us, please invite them to a meeting. To that end, we will have flyers available for you to give to your prospective guests.

Hope to see many faces in August!

President: Allan Campbell

Alan is looking for volunteers who can help at this year's Woodworkers Showcase. The Showcase is at the Klingspor Store September 15th. Volunteers will sign the entries in and help set up the displays. Club membership is not required to enter. If you know of a woodworker that is not in the club please let them know about the show.

Program:

Michael Joerling is a maker of studio furniture and sculptured wood who uses a variety of domestic and environmentally conscious exotic woods and veneers in his shop outside Chapel Hill, NC. Trained as an artist, Michael uses wood as his medium. His work has been featured in a variety of exhibits throughout the southeast and has found a home in the collections of several museums.

Michael demonstrated techniques for surface decoration of furniture, including carving through veneer to reveal the underlying contrasting wood, texturing, and the use of paint to fill carved designs in wood by painting the entire area and then scraping away the paint on raised surfaces, leaving it only in the depressions. He also talked about the use of negative space in design. As part of the "hands on" portion of his presentation, he showed us how he goes about carving designs, be they random or planned, into his works. It was interesting to see how relatively simple steps could transform the surface and give the impression that much more was involved. He also demonstrated his method of sharpening and using card scrapers and spent some time answering questions from the floor.

Respectfully submitted by: **Joe Gorman - secretary**

Meeting Minutes

JULY 2012

The meeting came to order at approximately 7pm with President Allan Campbell presiding.

Announcements:

- In addition to the normal monthly raffle, the raffle for a Worksharp 3000 is starting, with the proceeds to benefit our T4T program. Tickets are \$10.00 with a limited number sold.
- The nominees for the Board, Pete Bucki & Steve Stienbeck were to introduce themselves, however, only Pete was able to do so as Steve was away and could not attend the meeting. The vote is still scheduled for the August meeting.
- Fred Ford is starting to organize the workshops for this year's T4T program and passed around a signup sheet. If you would like to help or have an idea for a toy please get in touch with Fred.
- Bernie Bogdon brought a wood burning that he created at a class hosted by Michelle Parsons which was held at the Klingspor store. He said it was a most enjoyable experience. He suggested that wood burning was a good way to enhance your woodworking projects.
- Bernie also brought in a dolls bunk bed as a possible new T4T toy for the girls this year. Cecil Raynor is exploring the possibility of building it at his shop this year.

MEMBERSHIP PAGE



Marine Toys for Tots Foundation

With no report from Fred this month -- I took the liberty of finding some interesting information I wanted to share.

How to Apply for Toys for Tots?

At the Marine Toys for Tots Foundations website, go to request a toy and follow the instructions. Also locally many churches and community organizations will help in times of crisis. You can find more information here: <http://www.toysfortots.org>

How to Register for Toys for Tots

1. Visit the Toys for Tots official website. On the top of the page click "Request Toys."
2. Search for a local campaign. On the "Request Toys" page, you do this by selecting your state and selecting then your county. The website will redirect you to the website of your local T4T program.
3. Select your registration request. To register your children or children of another family, select the "Toys Request Form." To register an event, select the "Tell Us About Your Event" form. If you want register to receive Toys for Tots promotional materials, choose the "Request Supplies" form. Alternatively, you can also register to become a Toy for Tots drop-off site by choosing "Become a Toy for Tots Drop Site."
4. Fill out the request form. Depending on the form you choose, requested information can include number of children and their ages, event dates and times, business name, types of supplies and quantity of boxes needed for toys. Once you fill and submit the form, someone from the local campaign will contact you with contact information you provided.

Share a "Snug" to help donate Snuggle Bears to children in need.

The Marine Toys for Tots Foundation has teamed up with Snuggle to make the world a softer place! By sharing "Snugs", you can help Snuggle donate up to 10,000 Snuggle Bears to children in need. Learn more in the Snugs Across America tab on Facebook.

Respectfully submitted by: Diane Philyaw on behalf of -- Fred Ford, Chairman TWA Toys for Tots Committee



Now is the time to think about your fall schedule and see how many Toys for Tots workshops you want to attend. If you have participated in the past you know how tiring a Saturday of sawdust can be, you also know the rewards. If you have not participated PLEASE join us and experience for yourself the rewards of providing a smile for a child who needs one.

Dave Bubacz September 18th, 2012 Spray Finishing

Spray finishing can be a fast, consistent way to apply finish to your projects – if you know how! It also increases the variety of finishes available for use over using just hand applied finishes.

Dave Bubacz is a long- time member of TWA and runs his own cabinet shop. He will share some of his extensive experience with spray finishing in this meeting.

Raffle... Worksharp 3000

Tickets for the raffle of a Worksharp 3000 will be available at the next TWA meeting. The price of the tickets will be \$10 and the proceeds will be directed to the Toys For Tots fund. A limited number of tickets sold.

Included with the Worksharp 3000 :

- Work Sharp unit
- Two tempered glass wheels
- See-through slotted wheel for underside sharpening of carving and lathe tools
- Top tool rest for easy freehand sharpening of larger tools
- Crepe stick for cleaning abrasives
- PSA abrasive kit (150mm to be adhered to glass wheels: P120 ceramic oxide, P400 aluminum oxide,
- P1000 aluminum oxide, Micro-Mesh™ 3600 honing abrasive; slotted abrasive kit with P80,
- P400 and P1200); and 2" x 2" abrasive P400 ceramic oxide for the heat sink/lapping surface.



Items Wanted Wanted Items

Shop space for lease. Large 20,000 Sqft Co-Op shop looking for sub-tenants to share space with access to industrial level 3-phase tools. Utilities are included for \$1 per sqft a month with minimum 500 sqft per person for personal "bench space". Access to the common areas of the shop and the common tools are part of the lease. Downtown Raleigh, near Glenwood south area.

Contact: Mark Keglers 919-608-7220

Labor Day

Why Do We Celebrate?

Each year, the end of summer is signified by the celebration of the Labor Day holiday on the first Monday in September. For most of us, this day is simply a day off from work and a great excuse to have a backyard barbeque. However, many people are not aware of the origins of this holiday and what it truly represents. So why do we celebrate Labor Day?

The holiday originated in 1882 as result of the labor movement and was intended to be a day of rest to recognize the efforts of the average working man. While there is some disagreement as to who first proposed the idea of Labor Day, many historians

"Let us realize that the privilege to work is a gift, that power to work is a blessing, that love of work is success

~David O. McKay

typically credit a man named Peter J. McGuire – who was the general secretary of the Brotherhood of Carpenters and Joiners and a cofounder of the American Federation of Labor – as the man who first advocated for the holiday's creation.

However, other historians in recent years have pointed to a machinist named Matthew Maguire as the man responsible for developing the holiday while serving as secretary of the Central Labor Union in New York. Regardless of the discrepancy as to who deserves the credit, it was ultimately the Central Labor Union that adopted a Labor Day proposal and appointed a committee to organize an official celebration on September 5, 1882 in New York City.

<http://www.professorshouse.com/Living/Holidays-Seasons/General/Articles/Why-Do-We-Celebrate-Labor-Day/>



Leg Vise Workshop Report...

On Saturday August 4th, six TWA members faced a pile of boards and a bag of parts. The next day each went home with a working

Here are James, Steve, Allen and Joe hard at work.



wooden leg vise featuring an Acme screw, a wooden flywheel actuator, two ball bearings, and leather jaw pads. Mike Payst provided the preparation and instruction for the workshop and Cecil Raynor generously shared his workshop.



Joe is assembling his vise.



Jeff is testing his nearly completed vise.



A huge Thank you to both.

Steve planing his vise's leg.



Jeff and Mike discussing flywheel and screw assembly.



UPCOMING EVENTS

2012 PROGRAMS

Available On-Line

@

www.trianglewoodworkers.com

TWA News...

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www.trianglewoodworkers.com

Month	Program	Speaker	Workshop
August 21 st	Mortise and tenons demonstration - ways to cut	TWA Club Members	None
September 18 th	Spray Finishing	Dave Bubacz	None
October 16 th	Guitar/Violin making	Jon Turner	None
November 13 th	Lumber selection	Steve Wall	None
December 11 th	Toys for Tots	TBD	None



Toys for Tots Native American Program

The United States Marine Corps and the Navajo Nation have had a special relationship since the "Code Talkers" of World War II fame

Mentors Wanted/Needed

The purpose of TWA is to provide a forum for woodworkers to gather, exchange information & further the art of woodworking. To this end, those more skilled woodworkers are encouraged to become a Mentor to provide knowledge to other members regarding areas of the Mentors skill, experience & knowledge. If you are interested in being a mentor, and willing to help a fellow woodworker discover answers to their questions, please contact Larry Bradbury, 919-518-6891 or lbradbury12@yahoo.com

Mentors

The purpose of this program is to have a reference guide of whom 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 with.

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
Scott Miller	Compound Cutting, Scroll Sawing	(919) 233-0204	smi11er@aol.com
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		
Chuck Arnold	Countertops & Plastic Laminate	(919) 995-2301	woodenitbenice@nc.rr.com

www.trianglewoodworkers.com

TWA Sponsors

Anchor Hardwoods 919-790-9449
6716 Old Wake Forest Rd., Raleigh, NC
10% discount to members

Ashcroft Saws and Tools 919-876-3223
3216-G Wellington Ct, Raleigh, NC
25% off list on blades and 10% off on sharpening

Capitol City Lumber Co. 919-832-6492
4216 Beryl Road, Raleigh, NC 1-800-244-6492
<http://www.capitolcitylumber.com>
Special prices to TWA members

Edwards Mountain Woodworks 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@edwardsmountain-woodworks.com or call 919-932-6050, evenings.
Tuition discount for club members.

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

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

Keglers Woodwerks LLC 919-608-7220
330 Dupont Circle Raleigh NC mkeglers@earthlink.net

Klingspor's Woodworking Shop 919-876-0707
3141 Capital Blvd. (.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, Raleigh, NC 27616
10% discounts on all new products

Stock Building Company 919-828-7471
3000 Yonkers Rd Hwy. 64 & Old US 1, Raleigh, NC

Tarheel Wood Treating Co. 919-467-9176
Highway 54, Morrisville, NC
Contractors prices on all wood products
Show TWA card before order is written

Woodcraft 919-781-1911
4317 Pleasant Valley Road fax: 919-781-1980
Raleigh, NC 27612
Email: 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
1125 Jay Lane, Graham, NC Mail order 1-800-645-9292
www.woodworker.com

Wurth Wood Group 919-231-6620
4213 Poole Rd, exit 15 off 440 Raleigh, NC
<http://wurthwoodgroup.com>
Preferred prices for TWA members

CLASSIFIED ADS

Classified ads are free to all members. To have an item posted send a note to: TriangleWoodworkers@gmail.com or our Newsletter editor: irishrose2365@yahoo.com.

All ads will run for 2 months unless otherwise notified.

TWA LIBRARY

All TWA members are welcome to sign out a maximum of three items at a time. Items checked out are due to be returned at the next monthly meeting. Returned items should be placed in the "Returns" box in the library area. The late fee for each item is \$2.00 per month. Any late fee's owed by a member must be paid before any further materials can be checked out by that member. If you know you can't make it to the next meeting you can avoid the late fee(s) by mailing the item(s) to Kay Baker, 610 Benfield Ct., Garner, NC 27529, or by calling (919) 696-8504.

As we all share a love for wood -- we would like to share the media which we have at our disposal as well. Please be conscious of your fellow member and return items in a timely manner.

To Check Out an Item

Find the circulation card located in the back of books and inside of any material in a case. Sign and add the current date to the card. Place the card in the wooden "Check-out-Box" located on top of the library cart.



Librarian: **Kay Baker**

Sample of Books

Title	Author	Subject
Building Small Projects	Fine Woodworking	Projects
Working with Handplanes	Fine Woodworking	Hand Tools
Workstations and Tool Storage	Fine Woodworking	The Shop
In the Craftsman Style	Fine Woodworking	Furniture
Smart Workshop Solutions	Anthony, Paul	The Shop
Period Furniture Details	Bird, Lonnie	Furniture
Chests of Drawers	Hylton, Bill	Furniture
Practical Design Solutions and Strategies	Fine Woodworking	Furniture
Setting Up Shop	Nagyszalancy, Sandor	The Shop

Sample of DVDs

Frame and Panel Construction	Graham Blackburn	Technique
Wood Finishing Basics	Michael Dresdner	Finishing
The Versatile Router	Pat Warner	Power Tools
Tage Frid	FWW	Technique
Sam Maloof	FWW	Technique
Hand Planes in the Workshop	Mario Rodriguez	Hand Tools
Chairmaking Techniques	Jeff Miller	Technique
FWW Video Tips Volume 1	FWW	Technique
Making Jigs and Fixtures	FWW	The Shop

Tool Sale

Sears Band Saw/Sander, \$100.00

Sears Radial Arm Saw, \$100.00

Harbour Freight Jointer, Item # 30289, \$100.00

Sears 1/3HP motor driven wood lathe, 12" swing, 3' bed, chisels and attachments, as illustrated, \$150.00

Contact Howard Garvey at hgarvey@nc.rr.com



Announcement

The annual Mid West Tool Collectors Association Raleigh meeting (use to be in July but the weather was too hot) will be held on Saturday, September 15. Last year, even with 100 degree heat, we had about 300 tool collectors, buyers, sellers and woodworkers from all over the east coast attend. The meeting offers an opportunity to meet others that share an interest in antique and traditional mainly woodworking tools. We have a lot of tools buying/selling/trading, a member's auction, great displays, a good old fashion BBQ and a program of interest (this year the program will offer a look inside the Antique Road Show and the American Pickers). In addition, there will be a large estate tool sale where everything will go!

Preregistration required. Contact **Ed Hobbs** at hobbsed@portbridge.com or 919 828-2754 for more info or registration form.

How to read a ruler

From WoodZone.com

So you're trying to build a woodworking masterpiece and the plans call for you to cut a board to 4' 11-3/8". No problem.... Until you pick up the tape measure and realize that there is no clear marking for 11-3/8"!!! Now you need to understand how to read a ruler. It's actually a lot simpler than it looks.

The first thing we need to clarify is the symbols used in most woodworking plans. The symbol ' (apostrophe) represents feet. The " (quote) symbol represents inches. So a plan calling for a board to be cut to 4' 11-3/8" is asking for "four feet eleven and three eighths inches". Because this can be confusing most plans will call out this measurement only in inches; in this case 59-3/8" or "fifty nine and three eighths inches".

Now that we've covered the basics it's back to understanding all of those little marks on the ruler. A standard tape measure (or ruler) in the United States is divided up into feet and inches. Each foot is divided into 12 inches. The problem starts with the subdivision of the inches. In each inch there are a number of lines of different length. The longer the length of these lines, the larger the unit of measurement.

For example. 1. The longest line in the inch is in the middle. This is the half-inch mark and there is only one. 2. The next shortest line is the 1/4" (one quarter of an inch) inch mark and there are only two of these. 3. The third shortest line is



the 1/8" (one eighth of an inch) mark and there are four of these. 4. The fourth shortest is the 1/16" (one sixteenth of an inch) mark and there are eight of these. 5. Some rulers will go a step further, down to 1/32" but this is often more precise than most woodworking cuts need to be. Click on Image to Enlarge

On the typical ruler the basic (smallest) unit of measurement is 1/16". If you count the distance between two inch marks (one inch) you will find sixteen lines. This is because an inch is 16/16th of an inch long. Because we like to express fractional numbers in the largest unit possible we call it one inch. So it follows that if you have 8 lines, or 8/16" you have a half-inch or 1/2". And likewise, if you have 4 little lines, or 4/16" you have a quarter inch and so on.

At first it can be a little cumbersome to count these lines but over time you will learn to recognize the lengths and the different units of measurements they represent. This often starts with the 1/2" mark and progresses down the line. Over time a measurement like 59-3/8" can be located quickly.

OTHER MEASUREMENTS You might have noticed that every 24" on the tape measure are marked with a contrasting black background and every 16" is marked with a red background. The marks are used by construction workers for spacing wood studs in a wall or joists in a floor/roof. 16" spacing is used most commonly for load bearing walls and 24" for non-load bearing walls. The small black diamonds represent a less common spacing scheme. Click on Image to Enlarge



Think you're up to the test? Check out this neat measurement quiz on [FunBrain.com](http://www.funbrain.com/mesure/index.html) <http://www.funbrain.com/mesure/index.html> - You can also change the difficulty level of the quiz.



2012

North Carolina Woodworking Showcase

Saturday, September 15, 2012

Woodworking Competition
Of All Types At All Skill Levels
No Entry Fee For Youth

For information, contact:
Paul Rolfe, Show Director
prolfe@woodworkingshop.com
(919) 876-0707
Download brochure @
www.woodworkingshop.com



**KLINGSPOR'S
WOODWORKING SHOP**

3141 Capital Blvd. Raleigh, NC 27604

www.trianglewoodworkers.com

ENTRY INFORMATION

Advanced registration is encouraged.

There is no entry fee for persons under 18 yrs. old..

Entry fee for the Open division:

By 9/8/12.....\$15.00

After 9/8/12.....\$20.00

Entry fee for Professional division:

By 9/8/12.....\$20.00

After 9/8/12.....\$25.00

Make checks payable to:

Klingspor's Woodworking Shop

Mail entry form to:

Klingspor's Woodworking Shop

3141 Capital Blvd.

Raleigh, NC 27604



SHOWCASE EVENTS

- * Competition for all skill levels
- * Woodworking tools, books and supplies on sale
- * Door prizes
- * Demonstrations
- * Club information booths
- * Discount lunch coupon to all competition entrants
- * Vendor Demonstrations

SPONSORED BY

- * Klingspor's Woodworking Shop
- * Triangle Woodworkers Association
- * ncwoodworker.net

DIVISIONS

YOUTH Students, and persons under 18 years old.

OPEN Open to all woodworkers.

PROFESSIONAL Open to seasoned woodworkers and professionals.

AWARDS

Category First, Second and Third place ribbons plus:

Best in Youth.....\$75*

Best in Open.....\$100*

Best in Professional.....\$250*

(*Gift Certificate)

Woodworkers Choice (TWA).....\$75 cash

Peoples Choice (ncww.net).....\$75 cash

CATEGORIES

- 1. Carving in the Round** Three dimensional, stand alone wood sculpture.
- 2. Carving in Relief** Carved ornamentation on a flat surface.
- 3. Scroll Saw** Any two or three dimensional piece that was generated primarily with a scroll saw.
- 4. "Faceplate" Turning** Bowls, platters, etc.
- 5. Spindle Turning** Spindles,, candlesticks, etc.
- 6. Pens** All pens and pencils turned on the lathe.
- 7. Boxes** Jewelry boxes and small chests.
- 8. Frames** Mirror and picture frames.
- 9. Chairs** Chairs of all kinds including ones that rock.
- 10. Small Tables** Coffee tables, end and side tables.
- 11. Case Goods** Small chests and cabinets.
- 12. Musical Instruments**

13. Toys and Models Toys, rocking horses, model cars, planes, etc.

14. Marquetry Pieces that use veneers to create pictures.

15. Miscellaneous Pieces that do not fit into any of the above categories

** PLEASE NOTE **

We regret that we cannot accept any large items such as beds, dressers, dining tables, etc. If in doubt, please check with the show director.

RULES FOR COMPETITION

1. You may enter in only one division.
2. You may enter up to three pieces in each category.
3. Items must be made entirely by the entrant.
4. No commercially made parts except hardware.
5. Categories/Divisions may be added, combined or deleted at the discretion of the show committee.
6. Judges decisions are final.
7. Entries are submitted at the sole risk of the entrant. The sponsors will not be responsible for any loss or damage from any causes. Normal precautions will be taken to provide safety and security.
8. Pieces will not be accepted into the competition after 9:30 am on Saturday, September 15.
9. Items may not be removed from the show until after the awards ceremony.

10. Check-in times: Friday, Sept. 14- 3:00 to 6:00 pm

Saturday, Sept. 15- 7:30 to 9:30 am

FOR ANY QUESTIONS, CONTACT:



PAUL ROLFE,
SHOW DIRECTOR

prolfe@woodworkingshop.com

(919) 876-0707

ENTRY FORM

Name _____

Address _____

Division entered _____

Number of entries _____

Fee enclosed _____

I have read, understood, and agree to comply with all of the conditions as outlined in this brochure.

Signed _____



Long May You
labor at something you love

Attention Members

Regular club meetings
begin at 7 PM!

Long may you labor at something you love, Awakening daily to passion and pleasure, Blessed to find joy both in work and in leisure, Obligated to move mountains you most want to move. Remember that work is defined by the heart, Delightful or not as the laborer chooses. All life is a game that one wins or one loses, Yielding what one would with will and with art.



www.trianglewoodworkers.com

Early Labor Day Celebration: Pittsburgh was the setting for one of the first Labor Day parades in 1882. (Photo Credit: Bettmann/CORBIS)

Triangle Woodworkers Association
PO Box 4206
Cary, NC 27519