



Klingspor Woodworking Shop



Coleman Fourshee and Mike Ziegler provided the members with a very informative presentation on abrasives and sandpaper. Klingspor was founded in Germany in 1893 and started operations in the United States in 1979.



They have 4 stores in North Carolina (Asheville, Hickory, Raleigh and Winston Salem) and sell 12,000 products. Worldwide they employ over 2000 people. They offer a flat rate shipping of \$7.99 and also offer a 10% discount to club members.

Klingspor offers a variety of different types of abrasives, backings and bondings. Below is a brief A-Z on abrasives:

Coated (sandpaper) : The order of application is: backer, resin, grain. Grits are tested uniquely.

Bonded: used for angle grinders, cutt off wheels, cone point hard abrasives. They are safe and can take high heat and are very high quality. Order of application is: grain, backing, bonding.

Common grains:

Aluminum Oxide: will slowly wear down to finer grits. 120 will wear down and act like 180, then 220. You can press hard with aluminum oxide. Aluminum oxide is usually redish in color, but look for the name. Color can be wrong.

Aluminum Zirconia: Usually blue. It is more expensive, but is sharper and lasts longer than aluminum oxide. A seal coat holds the grain down after it has been glued to the backer. It is used in coarse and medium grits.

Silicon Carbide: Can be used wet or dry and should be used with light pressure. Used in between coats of finish. It breaks down and has new sharp surfaces. It is hard but brittle. Do NOT use on bare wood! It causes swirls and can cause stain to pool in the sharp cracks in the wood.

Garnet: very cheap

Backing:

Graded A-F. A is the lightest and very flexible. C and D are cabinet papers. F is the heaviest. It is used in belts and disks. Usually the grit is listed first, then the paper weight letter (120C: 120 is the grit, C is the paper weight)

Cloth: better for hard durable applications and is great for turning.

Fiber: basically a very heavy paper backing. Several layers of paper are bonded together under heat and pressure to make a very strong smooth backing. This process is called "Vulcanizing".

Latex: latex is infused.



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Membership
147

Raffle Prizes

Irwin 10" saw blade -
Todd Arnold

Starrett Square -
Anwar Sinno

Irwin 3/4" pipe clamps
- Chris Vutsinas

Irwin Marple Chisels -
Mike Smith

Irwin 24" Bar Clamp -
mystery winner

The CWA raffle could benefit from your donation. If you have any tools (old or new) or shop supplies you would like to donate to be raffled, please bring them to the meeting.

When using a drum sander, you want to wrap the paper with a gap of between 1/16th to 1/8th. If you hit glue, it will burn the paper. You want to scrape the glue off after it has "dryish", then sand.

When using a belt sander, if you don't need them don't buy them. They will not last because the glue will give up. If they are stored well (in a sealed bag in an climate controlled space) they may last 2 years.

CAMI is a grit grading system. Different manufacturers use different grading systems. ALWAYS check for the "P". Up to 200 grit, they are pretty close. After 200 grit, they separate dramatically! Klingspor's grit grading system chart can be found at: www.klingspor.com/gritgradingsystems.htm

Some great tips for sanding:

Sanding sealers should be sanded with silicon carbide in grit ranges of P180 to P220

Foam sanding pads and non-woven abrasive pads also work well when sanding sealers

Sand lacquer finishes with P180 to P320 to remove dust, nubs, runs, etc.

Sand lacquer finishes also after the final coat to level the surface or as part of the rubbing process if a high gloss is desired

Keep sandpaper clean with a belt cleaning stick or by tapping it lightly

And remember ... sanding is the basis of all good finishing!!!!!!

Club Announcements

Safety Talk: Router Table

The router table is probably one of the most dangerous tools in the shop. An error is usually not one, but an accumulation of multiple mistakes. John Goodson accidentally made a "climb cut" and had his fingers pulled into the router bit. He injured several fingers but luckily did not lose any of them.

Library: We have literally thousands of dollars of woodworking knowledge in the library. Books and DVD's rent for only \$1/ month for each item. It is run on the honor system.

Good reference book: Norm Vandal's "Queen Anne Furniture" is back in print. It is a great book and can be ordered from Lee Valley and is on sale for \$14.50

Clothing: We need a minimum of 12 items to place an order. Currently we have only 5. If we don't get more orders, we will have to hold off until spring. Only new clothing can be embroidered.

Irwin Clamp Test & Survey

- Come get an Irwin clamp
- If you received a clamp you must fill out the survey and send them in by March 1st 2016.
- If the clamp breaks they want it back. If not it is yours to keep.



Learn & Build

- Three legged Windsor stool
- We built this project with our Explorer port
- The complete project is done on the lathe.
- Three lathe tools to do this entire project except for drilling holes for the legs.
- A good starting project for learning to make a Windsor chair.
- A great first turning project.
- This class would cost you \$125 at Woodcraft. Our class is the cost of the wood.
- Sign-up will open at next month's meeting. Class will start in March or April. All day Saturday.

Wood ID: The wood for January was Camphor. It has a very distinctive aroma and is very carveable.

Show & Tell



Stan Howell:
Shaker end table.
Cherry with poplar
secondary wood



Mike Plesso:
Treasure box
made from
maple & walnut.



Tom Willis:
Checker Board 7 Game Board
Walnut & Cherry. Box for
checkers, cards, etc. made
from walnut



Rob Andrews:
Shadow Box for retiring Vice
Wing Commander
Made from pallet and scrap
wood: Cherry and Walnut



Todd Arnold:
Pull out spice racks (8 total). Full
extension slides with oak runner at
top.



Bob McElfresh:
Coasters made from
pallet wood that was
saved from landfill

Pictures not available:
Bruce Bogust: Joiners mallet made
from hickory with a leather base
and wedged handle. Carvers mallet
made from sycamore and turned
on lathe. Tin Smithing mallets
made from hard maple.

Picture not available:
Al Spicer: Tilt Top Table.
Mahogany base with 12,950
pieces on the top. Total number
of pieces: 20,402

**The February meeting will be held at:
Direct Tools Factory Outlet
5648 E. Independence Blvd. Suite E
Charlotte, NC 28212
704-537-2002**

Membership Dues for 2016 are now due. You have until March 31st to pay. Single membership is \$35, Family membership is \$45 and Student membership is \$15. Dues can be turned paid through PayPal (the link is on our website) or can be given to Fred Miller or any board member.

OTHER CLUB NEWS

Did you know that the club has items that you can rent instead of buying?



Drill Doctor for sharpening regular and spade bits

Magnetic Planer Knife Setting Jig



Work Sharp 3000 (you will need to supply your own sandpaper)

Each item rents for \$5.00 a month - see any board member if you are interested.



CWA Google

Groups

Communicate with other CWA colleagues on Google

With a single email you can let others know what's happening, share some information or get an answer to a question.

Note: You Can Join This Group on Your Own!

To join:

- Create a Google account, if necessary (requires name, email and password).
- Please save your password in a secure place for future use.
- Paste the entire line below in your web browser's address bar
- <http://groups.google.com/group/charlotte-woodworkers>
- "Sign in" Click the link "Join this Group" (on the right).
- Once "signed in" select the radio button "Email" at the bottom and enter a nickname.
- Send an email out to the group to introduce yourself!
- Use "charlotte woodworkers@googlegroups.com" as the "send to" in an email to send a communication to all members of the group.

Find CWA Online @



<http://www.charlottewoodworkers.org/>



<https://www.facebook.com/pages/Charlotte-Woodworkers/24482148888300>



<https://groups.google.com/forum/?hl=en#!forum/charlotte-woodworkers>

Help Wanted

Photography - Andie Mueller is looking for someone to assist her with taking photos during meetings and club events. Please contact her at: eidna22@gmail.com if you are interested.

Raffle - We are also looking for someone to take over the raffles. Will be responsible for setting up the raffle at the meetings, maintaining supply of raffle items. Please contact Jim Slomba or any of the board members if you are interested.

Snack Team Person - A shared responsibility. Once every several months, this person responsible for purchasing and setting up the snacks for our meeting. The club reimburses for the snacks and you only have to do this once every three to four months depending on the number of persons we have participating for this. Please contact Greg Smith (elgrego7@yahoo.com) if you can help.

Registration - Look at the CWA website to register interest and sign up for the projects; as information details appear on the website.
<http://www.charlottewoodworkers.org/>

From John Bregan:

As an benefit of my company, you can access to a nurse advice line. There is no charge, no one will try to sell you anything or place you on a mailing list.

To use the service, call 210-595-2273. The company is Carenet Healthcare Services. Tell them you are a friend of mine (I am a Care Advisor).

Safety Waivers:
Must be filled out and on file for all CWA Members!

You can download the waiver on our web site, scan it and e-mail to John Bregan at jrnurse2005@yahoo.com. We also have blank ones available at the monthly meeting.

Monroe CWA Satellite Location
Fully heated and Air conditioned
Going to host a Learn & Build class in the spring
Probably building a shaker table.
We will host an all-day class (9-4) so that people that have to travel to get there will get a full day

Learn & Build Classes

We try to choose skill sets that the project will develop. Everybody sets up the machines for their project each time. We don't gang-rip the parts. You will learn how to do it yourself.

A Shaker table build started October 10th

Dulcimer class also has started
Steve Wall Lumber will put together a lumber package for the project. He even ships it to you!



**NEWSLETTER
PICTURES AND NOTES:**
Thank you Pete Stoffel, who takes notes.



Currently Bill Blackett will be organizing club membership shop tours.

The goal is to have shop tours scheduled in the same geographic area to reduce distances traveled between shops and permit adequate time to tour several shops in a day.

To put your shop on the shop tour list, contact Bill at: billblackett@yahoo.com

Note: Shop tours are for active CWA members only—no guests

CWA MEETING PRESENTATIONS

All members are asked to keep an eye out for anyone that might make be a suitable program presenter for our CWA club meetings. *Who knows, it might even be you!*

Recent presentations have included:

- Spoon Carving
- Fitting a Drawer
- Power Carving
- Bandsaw Boxes
- Hide Glue
- Tuning up a Wide Board
- Workbenches
- Intarsia Lidded Wood Boxes
- Turning a Peppermill
- Using SketchUp
- Log Cabin Building
- Cutting Ogee Style Feet on a Bandsaw
- Building a Mantle Clock
- Tools and Changes in the Industry
- Workshop Design
- Dust Collection 101
- Saw Blades 101, Freud Blades and Router Bits
- "Easy Wood Tools" for Woodturning
- Small Shops
- Finishing
- Product Development Presentation (by Stanley Black & Decker)
- Thomas Day Furniture Presentation
- Tool Sharpening
- Marquetry
- Wooden Flute Making
- Spoke Shavers
- All About Wood
- Inlay Stringing
- Fixing Your Mistakes (Parts 1 and 2)
- Cutting and Drying Lumber
- Making Banding Inlay
- Jigs & Fixtures
- Chairs
- Mortise & Tenons
- Project Planning

If you know of someone with a woodworking skill that would be of interest to CWA members, please contact Jim Slomba at: jmslomba@gmail.com.

Monday Night Open JPM Shop Use

Any current CWA member who would like to use the shop is welcome to do so. CWA members are there on Monday nights at 5:30 pm if you need any advice or assistance with a project.

Ensure you have completed the CWA 'waiver form' before you use any of the tools and equipment and follow the "Shop Foreman's" directions and safety procedures.

Please share your woodworking knowledge, interesting experience and/or a useful tip with your CWA colleagues by writing an article for the CWA Newsletter.

Send your article to jrnurse2005@yahoo.com

CWA FRIENDS AND SPONSORS

Please thank them every time you use their services.

Woodcraft

1725 Windsor Square Drive
Matthews, NC 28105
(704) 847-8300
[Charlotte Store](#)

West Penn Hardwoods

1405 Deborah Herman Road
Conover, NC 28613
828-322-2265
www.westpennhardwoods.com

Klingspor's Woodworking Shop

www.woodworkingshop.com
800-288-0000

Irwin Tools

<http://www.irwin.com/>

Farris Belt & Saw

235 Foster Ave.
Charlotte, NC 28203
www.farrisbelt.com
704-527-6166
Complete sharpening services and abrasives

Horizon Forest Products

Greenville, S.C.
<http://www.horizonforest.com/>
Local Charlotte Salesman Chad Mitchell, 704-401-6426

The Woodworking Source

184 Azalea Road
 Mooresville, NC
<http://www.thewoodworkingsource.com>
Phone: 704-662-9663

Whiteside Machine Company

4506 Shook Road
Claremont, NC
<http://www.whitesiderouterbits.com>
Phone: 828-459-2141

Direct Tools Factory Outlet

5648 E. Independence Blvd. Suite E
Charlotte, NC 28212
704-537-2002

Woodworking Suppliers & Resources

Below is a list of various "local area" businesses that sell woodworking supplies that CWA members have used.

- **A&M**
3300 Woodpark Blvd
Charlotte, NC 282056
704-598-7272
- **Advantage Trim & Lumber**
2520 Blacksburg Rd
Grover, NC 28073
704-471-9991
- **Asheville Hardware**
10 Buxton Ave
Asheville, NC 28801
828-252-8088
sales@ashevillehardware.com
- **Blume Supply**
3316 South Blvd
Charlotte, NC 28209
704-523-7811
- **Buddy Aultman (CWA Member)**
www.aultmansawmill.com
704-242-4849
- **Hardwood Store**
106 V East Railroad Ave
Gibsonville, NC 27249
336-449-9627
- **Klingspor Abrasives, Inc**
2555 Tate Blvd SE
Hickory, NC 28602
800-645-5555
- **Queen City Lumber**
2501 Weddington Ave
Charlotte, NC 28204
704-333-3939
- **The Sawmill (Kyle Edwards)**
5048 Reinhardt Cir
Iron Station, NC 28080
704-258-8985
- **Steve Wall Lumber Co.**
PO Box 287
Mayodan, NC 27027
800-633-4062
woodsales@walllumber.com
- **TCI Supply**
1442 Castle Court
Gastonia, NC 28052
704-917-0490
- **West Penn Hardwoods**
1405 Deborah Herman Road
Conover, NC 28613
828-322-9663
Open: M-F 8 a.m. - 5 p.m.
Saturday: 9 a.m. - 1 p.m.
- **Woodcraft**
1725 Windsor Square Drive
Matthews, NC 28105
704-847-8300
- **Woodworking Source**
184 Azalea Rd.
 Mooresville, NC 28115
704-662-9663
- **Wurth Wood Group**
4250 Golf Acres Dr
Charlotte, NC 28208
704-394-9479
[From Woodworkers Supply concerning Club Discount Procedures](#)
Please also note that any members who are also a "for profit" business should let us know this and supply their business name & type.
The quickest, most efficient way to get them all setup is if they will do the following:
 1. Those who are NOT new to Woodworker's Supply & have received catalogs from us in the past should contact me for setup so I can make sure we don't inadvertently create a dupli-cate customer file. It's not the end of the world if we do but I can convert folks over much more easily than they can them-selves.
 2. Those who are NEW to Woodworker's Supply can visit www.pro.woodworker.com and signup as a New customer.
 - a. They will be including their email address & a password
 - b. In Business Name field – enter "Charlotte Woodworking Club Member"
 - c. In Business Type field - choose "Woodworking Club"
 - d. Fill in the rest of the required information
 3. Have them give me a call or email me and I'll double check / verify that their setup is complete.
Any of the folks who are intimidated by the above steps can call me and I'll do the setup for them & send them an email. Buddy Warner's contact info is:
Local NC: 336-578-0500 ext. 3054
Toll Free: 800-352-0182 ext. 3054
buddyw@woodworker.com

Directions to Jackson Park Ministries



From the intersection of I-85 and Billy Graham Parkway:

Take Billy Graham Parkway South.

Turn Right on Paul Brown Blvd / West Blvd. (this will be after the main entrance to the airport)

Turn Right on Airport Drive.

First left on Sentry Post Drive.

At the end of Sentry Post Drive there is driveway on the left. Enter here. Using the photo above, drive down the driveway and around to the warehouse with the "x" on the top.

From the intersection of South Tryon Street and Billy Graham Parkway (where Woodlawn turns in to Billy Graham). Also exit 6 from I-77.):

Take Billy Graham Parkway North.

Turn Left on Paul Brown Blvd / West Blvd. (this will be at the light after the Tyvola Road exit)

Follow from Step 3 above...

CLASSIFIEDS

Buy—Sell—Trade—Look For

FOR SALE:

Skechers steel toe work boots. mens size 10. Worn 1 week. \$75 Call John Bregan at 803-417-1006 or email: jrnurse2005@yahoo.com

Do you have some woodworking related items to sell or items you are looking to obtain? Send an email to the CWA Google Group at: charlotte-woodworkers@googlegroups.com or just email me at jrnurse2005@yahoo.com

Regular CWA Meeting Time and Place

Meetings of the Charlotte Woodworkers Association, Inc are held the third Tuesday of each month, **except for December**. Meetings are held at Jackson Park Ministries Woodshop at Sentry Post Drive, Charlotte, NC.

A social and refreshment time starts at 5:30pm; our meeting starts at 6:15pm. Come to the meeting early and get to know your fellow woodworking enthusiasts! See map on previous page.

SHOP CALENDAR

FEBRUARY:

Monday 1st - Open Shop
Monday 8th - Open Shop & Board Meeting
Monday 15th - Open Shop
Tuesday 16th - Meeting
Monday 22nd - Open Shop
Monday 29th - Open Shop

MARCH:

Monday 7th - Open Shop
Monday 14th - Open Shop & Board Meeting
Tuesday 15th - Meeting
Monday 21st - Open Shop
Monday 28th - Open Shop

APRIL:

Monday 4th - Open Shop
Monday 11th - Open Shop & Board Meeting
Monday 18th - Open Shop
Tuesday 19th - Meeting
Monday 25st - Open Shop

2016 CWA Board Members/Committee Chairman



David Powles
President
704-506-0403
dpowles42@gmail.com



Jim Slomba
Vice-President/Program Director
803-222-6729
jmslomba@gmail.com



Fred Miller
Treasurer
704-650-8520
fredmiller2@gmail.com



John Bregan
Secretary
803-417-1006
jrnurse2005@yahoo.com



John Seaman
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jseaman170@gmail.com



Connie Barnes
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Wayne Manahan
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704-786-0768
wmanahan@windstream.net



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Greg Smith
Snacks
704-674-2838
elgrego7@yahoo.com



Bill Blackett
Shop Tours
704-853-9218
billblackett@yahoo.com