

WOOD WORDS

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Kansas City Woodworkers' Guild

PUBLISHED BY THE KANSAS CITY WOODWORKERS GUILD * 3189 MERCIER ST * KANSAS CITY * MO * 64111

SHOP NOW OPEN TO 20 MEMBERS

As we approach the end of the year, use of the shop increases. To accommodate the increase, Mike Jones, Guild safety director, recommends that we open the

and maintain appropriate distancing. Please remember to sign in at the logbook and the big dry erase board when using the shop.

The Guild has taken on a community service project for the Jackson County Parks and recreation. The gift shop

that Missouri town 1855 has recently installed an ADA compliant ramp and needs a new entry door. The door currently has seen better days and it's probably the original dating from the mid-1800s. As you can see in the photograph, the current door doesn't fit the opening well and has rotted wood on the lower rail and at the bottom of the two interior panels. And, it's too short. Tamm Lumber Company provided the lumber and Jackson County Parks will install the door with new period-correct hardware.



shop to 20 members plus the shop foreman.

Mike points out, that for the most part, members have been understanding of the need for social distancing. The shop can handle the 20 members

The board and leadership committees are working on the 2021 budget. Are there any equipment or programs you'd like to see in the following

20 Members cond on page 2

20 Members cond. from page 1

year? Let a board member know of your ideas.

Chris McCauley is securing bids on a package of new audiovisual equipment with the goal being that we can easily stream online meetings and events for the future.

The leadership committee also discussed developing a replacement of Elegance

KC (formerly known as the Kansas City Carving Show and Sale). if you have ideas and are willing to help out with this, please send me an email.

Lease negotiations continue with our new landlord. More information on that as it develops.

As always, minutes, agenda,

and financial reports can be found in binders in the Guild library.

That's all for this month, see you in the shop.

Craig Arnold
President



SPECIAL INTEREST GROUP (SIG) SCHEDULED MEETINGS

Since the Kansas City Woodworkers' Guild is raising the number of people allowed in the shop at any one time from 10 to 20 plus a shop foreman, the ability to have SIG meetings are now possible. Please note that there will be a whiteboard at the entrance to the shop with 20 spaces for individuals to sign in and out to limit the occupancy of the shop to 20. Access to the shop and therefore SIG meetings will be based on first come, first served basis as determined by the white board. Masks and social distancing within the Guild are still required.

Carving SIG – Tuesday, November 24th from 7 to 9 pm – This SIG meeting will be focused on making a

Christmas ornament. They will have a selection of 3 different projects to choose



from, a stocking, a snowman or a candy cane. These projects will be carved from a blank and painted. All materials included. There will be no Carving SIG Meeting in December.

Hand Tool SIG – Sunday, November 22nd from 2 to 4 pm – The topic of this SIG

meeting will be user made hand tools. See next page. Please note that the shop will be closed during this meeting and may be held in the shop area so social distancing can be observed. You will need to sign up for this SIG here: [HTSIG Sign Up](#)

Power Tool, Carving and CNC SIG – There will be no meetings through the end of the year.

Please visit the home page of our website at kcwg.org for current Covid 19 restrictions when visiting the Guild.

Mark Crowley
Webmaster &
Assistant Director of
Communications



NOVEMBERSAFETY NEWS

Please God, let us get past this Covid hysteria! I know I am echoing what many of us are saying. Not that it has anything to do with my safety topic, but I had to get that off my chest. We have raised the shop limit to 20 people plus the shop foreman. With Christmas approaching and many people signing up as new members, the demand for shop access is growing. I felt it was important to open things up a bit. As we have stated in the past, if you feel out of sorts, congested, sick or whatever....please don't come to the shop. We will still maintain the requirement for wearing masks and adhering to social distancing whenever possible. Bottom line here is to use common sense. Please!



While we say it jokingly, you can't wear earbuds with music playing while in the shop, because you might not be able to hear someone screaming for help when they cut their finger off. This is a very "tongue-in-cheek" comment, but you need to be able to hear what is going on around you. Music playing in your ears can also be a distraction. This is a ham-handed effort to remind all of our members using the Guild shop, to leave your earbuds in the car and please don't think it is OK to listen to music while you're working in the shop. Our foremen will be the first



person had to remove an ear bud to hear me. That didn't register until I thought about it and hence, the subject of my safety note. As I hope you are all aware, we don't allow any sort of earbuds or devices that allow you to listen to music. I know there are brands of earbuds designed to also act as hearing protection (ie, isotunes and radio receiving earmuffs) but if any sort of hearing protection offers the ability to also work as headphones for your cell phone or for listening to music, we ask that you not wear them in the shop. If you need or want hearing protection, you can use the little foam earplugs, ear muffs or any other sort of device for hearing protection.

to remind you if they suspect you are using earbuds to listen to anything other than the ambient noise coming from around the shop. Thank you all for your cooperation with this policy.

See you all in the shop.



My subject comes from an experience I had this last weekend. One of our members was very busy working away, and on a couple of occasions, I stopped by the bench where the member was working and asked what was being made? I didn't think about it, but this



Mike Jones
Director of Safety

FROM THE SHOP

I just finished a week where I got to do something completely different, I got to do some woodworking. I took Ben Hobbs Queen Anne Chair class



and had a wonderful time. Just to have time made available for woodworking was great, but to spend that time under the instruction of someone like Ben made it truly fulfilling. Unfortunately for those of you who use the shop during my

Open Shop time, if you thought I was a fan of the card scraper before, I'm a bigger fan now.

Yet another reason to brag on the Guild. Classes are another one of the membership bargains. While this class was more expensive than a lot of the ones offered here it was cheap compared to taking the same class at Ben's location (the far reaches of deepest darkest North Carolina). First the instructor is the same and the class is the same length as at his shop. The difference (Savings \$\$\$) comes from:

*No airline ticket
No Rental Car
No Hotel/Lodging cost
No having to eat out every meal*

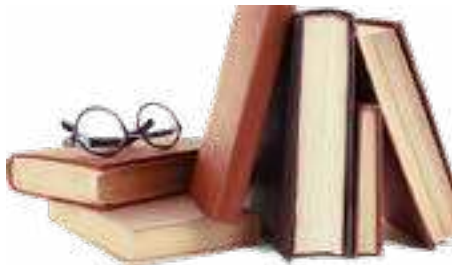
Other conveniences come with if you forget something at home you can bring it the next day. You know where to get lunch or it's easy to bring your lunch. And most favorably the gremlins that cause all those problems at home when you're out of town that turn a \$5 repair into a \$500 service call don't come up since you're still in town.

These classes are something to think long and hard about how to shoehorn into your schedule, definitely worth the effort.



Chuck Saunders
Director of Assets

LIBRARY - NOVEMBER 2020 NEWSLETTER



Woodworking magazine now extends through 2018. Woodsmith magazine is from 1979 to 2019. Steve Good's Scrollsaw Workshop Blog is from 2007 to 2019. These can be found on the Guild Library computer desktop Magazine Archive Icon. Our physical collection of magazines are in a process of being sorted and stored to shelving.

There is a Library Checkout binder on the Library desk if you would prefer to use that

The Guild Library has added to the online magazine archive. Fine Woodworking magazine now extends through 2018. Woodsmith magazine is from 1979 to 2019. Steve Good's Scrollsaw Workshop Blog is from 2007 to 2019. These can be found on the Guild Library computer desktop Magazine Archive Icon. Our physical collection of magazines are in a process of being sorted and stored to shelving.

instead of using the computer. Items that are returned should be placed in container on the desk marked "Returns" and we will take care of them. There is also a container for items to be reshelved.

If you have trouble getting a book checked out or any other Library issue please send an email to: librarian@kcwoodworkersguild.org -or- library@kcwg.org.

There is container of hand sanitizer on the Library desk if you need to use that.



Don Steele
Librarian

TREASURER'S REPORT



2020 has been a challenging year and we have come through it in good financial shape. We still have a lot to get accomplished before the end of the year and next year may be just as challenging. If you would like to get more involved in the Guild please step up and assist, we can find you a position.

November is your last chance to make 2021 budget recommendation or suggestion. Our intent is to complete the 2021 budget in early December. Budget recommendation can be made to any member of the Leadership Committee.

One of our major objectives for 2020 is to negotiate an extension to our lease. The current lease is up in May of 2021. The negotiations are progressing slower than anticipated but we

should have a new lease before the end of the year.

Membership renewal will start Wednesday November 18th. For current members, there is a \$5.00 early renewal discount if you renew before the end January. Membership renewal ends February 28th. Current members who have not renewed by the end of February are dropped from the membership list. Which mean there are no renewal after February 28th only new members and new members are required to take the safety test and orientation before they have shop privileges.

If you are renting wood storage space in the back room do not forget your rent for 2021 in most cases is due January 1. I will post a list with names rental space location and monthly rates at the front desk. When you pay

complete the rental agreement and remove the bottom portion and tape it on your storage space. Please mark your long boards that are along the wall with your name. Storage is in high demand, so if you no longer need the storage please let me know.

Monthly Guild financial information is available in the "Members Only" section of the web site. Please review the data and let me know if you have questions.

**Gary
Mielke**
Treasurer



**ATTEND THE
VIRTUAL NOVEMBER
GENERAL MEMBERSHIP MEETING
IT WILL BE RECORDED AND UPLOADED
Wednesday, November 18, 2020
<https://kcwg.org/videos>**

USER MADE WOODWORKING HAND TOOLS

Why would a woodworker want to make their own hand tools?

Text, Photos, & Tools (except as noted) by William Johnston



Pictured is a cast bronze miter plane for use on a shooting board, a hand router for inletting hinges, a round spokeshave, adjustable square with a tongue, and a center finder.

Long before the 20th century proliferation of power tools and powered hand tools, many woodworkers carried out prolific woodworking often with surprisingly few tools. This is backed by numerous texts listing a deceased woodworker's tools at auction. You may have heard that there was a greater variety of hand tools in the past than now. This is also true. The many woodworking trades demanded a great variety of trade specific tools to do their job. This led to a greater variety of supporting tools in aggregate.

It was the country woodworker who often found himself doing prolific quality work with a surprisingly limited tool kit. He acquired the tools he needed and made or made do. Manufactured tools, imported from England, would be expensive, and often hard to come by except on the coast near a port. It was cheaper to import the essential metal parts (cast steel cutters, saw blades), with the wooden parts crafted and added by the user. Often a local blacksmith could make metal parts (froe, for example) for the woodworker to complete the wood components. Shop made wooden squares, wooden shooting boards, marking and layout tools such as compasses, marking/cutting and panel gauges, all jigs and clamps, mallets and gluts, winding sticks, buck and bow saw frames, as well as the workbench (also a tool) were

User Made Tools cond. on page 7

User Made Tools cond. from page 6

made by the woodworker himself . Not a tool, but the toolbox would be shop made as well.



The photo shows some typical tools that almost any woodworker might make. This photo includes a large wooden square, straightedge, carvers and carpenter's mallets, a club for a small froe, a small brass faced plane setting mallet, a wood paddle for pressing hard wax into imperfections, handles for orphan chisels and hammer heads, and an anvil set for tiny metal work, snaps, fasteners. These tools are essentially wood and suitable for a beginning woodworker to make using common woodworking tools.



Knives remain a popular shop made tool. Shown here are two marking knives, a small cutting knife suitable for small pattern cuts, an awl, and a small marking gauge for metal marking. Wood threaded clamps and vices have always been a favorite shop made tool, even when the threads were cut by hand. Thread boxes for making them are now readily available at a moderate cost.

User Made Tools cond. on page 8

User Made Tools cond. from page 8

Bowsaw frames are easy to make in the shop. Examples are frequently found in the wild. Based on the number of examples (I have several), blades were easy to come by. Above is a turning saw that I made using a commercially purchased 12 inch blade and a shop made sassafras frame. Note the joinery of the cross piece, without a housed mortise and tenon. This really works. I derived it from a similar bow hack-saw found in the German settled upper peninsula of Michigan.

In the city, where a larger variety of tools, but at a cost, were available, woodworkers more often started as apprentices in larger shops. It was common for a master to agree, by written contract, to furnish the apprentice with a complete set of tools for the specialty, on completion of the apprenticeship. It was an important element of the apprentice training, as well as a cost saver to the master, to have the apprentice make many of his own tools. To make a working tool, the apprentice would need to thoroughly understand how the tool did its work, making for a better woodworker.

In certain specialties, manufactured tools were not an option. A musical instrument maker uses special tools, planes, and clamps, all without general public demand. A carriage maker or wheelwright used tools quite different from those of a carpenter, joiner, or furniture maker. A pattern maker, of wood patterns for casting iron, bronze, brass, and much later aluminum, required special tools ... shrinkage rules, odd planes with convex soles, odd chisels with crank handles, tiny spokeshaves and hand routers, odd clamps, sweeps and pinch dogs (staples). While many special tools might be available commercially, the pattern maker could often use an available example to cast a tool within his shop. Quality was indistinguishable from the factory tool.

User Made Tools cond. on page 9

User Made Tools cond. from page 9



Several pattern maker's planes circa 1910 made by Fred Fröh during his apprenticeship with Fisher Body in Detroit. Note the Bismarck (horned) scrub plane and the adjustable compass (circular) plane.



More of Fred's tools including a cast aluminum convex spokeshave and a small cast brass shave (Fred had 10 spare blades). The tiny planes have convex bottoms, either side to side, front to back, or both ways.

User Made Tools cond. on page 10

User Made Tools cond. from page 9

In modern (early 20th century) times, popular books and magazines inspired boys and adult hobbyists to shop make tools, especially those made essentially of wood, like squares, jigs, miter boxes, clamps, mallets, and winding sticks.

In the 1800s, adopted orphan children in a New England Shaker community made, for commercial sale, folding rules of a quality rivaling those of Stanley Rule and Level.



Fred Früh's shop made and hand graduated rule, in two parts to fit in tool chest (circa 1910). While this rule has standard graduations, many patternmaker's rules were shrinkage rules with graduations for expected shrinkage for a specific metal to be cast.

Later in the 20th century, a resurgent interest in hand tools began. James Krenov, an immigrant fine cabinet maker, introduced the woodworking community to making wooden planes in The Fine Art of Cabinetmaking and A Cabinetmakers Notebook. Krenov used very few tools to make beautiful, artsey, wall display cabinets. He employed one power tool, a bandsaw, with occasional mention of a thickness planer. His bench planes he made himself and introduced his style to the hobbyist woodworking community. He made the wooden planes by laying out a solid block, bandsawing off the sides, sawing out the throat, and gluing the cheeks back on. The wood removed to make the throat was made into the wedge. It caught on. Many are now enjoying making their own planes.

User Made Tools cond. on page 11



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User Made Tools cond. from page 10

Two Kenrov style planes, one with a 45 degree bed and the other at 55 degrees with an adjustable mouth using a movable toe. Wood is cherry for long term good looks and ease of shaping with a hard bubinga sole for durability.



Several Kingshott style planes. The larger plane is a panel plane (jack tuned like a smoother), a half inch rabbet, and a chisel plane made by joining brass sides to a steel sole with through dovetails. The chariot plane is cast bronze with an adjustable toe.

User Made Tools cond. on page 12

User Made Tools cond. from page 11



Layout tools are fun to make but often require a metal lathe and mill along with a wood lathe. Pictured are a birdcage awl, cutting gauge, marking gauge, marking knife, right and left-hand skew chisels for cleaning out corners of dovetails, a metal scraper, two awls, and a fine adjustment marking gauge. Many of these tools are made in pen making style, but using a solid, drilled brass rod instead of the brass tube.

So why would today's woodworker want to make his own hand tools? Old auction catalogues & books, along with museums feature tempting antique hand tool examples from long ago. Antique originals are either not available or very expensive. Seeing such tools gives us a vested interest in tools that we can make. Like our woodworking ancestors sometimes we need special tools that are just not available commercially or as antiques. Often, we can make just the right tool or adaptation. When unlimited funds are not available we can make a desired specialty tool. Hey! Sometimes we just want to make a tool.

To me, making a tool is for all these reasons, but the biggest reason is that in order to make a tool you have to learn and internalize how the tool works in some detail. This research, tinkering and tuning makes me a better woodworker.

What tools do I need to make tools?

The tools that I make are often composed of exotic wood, O-1 tool steel, drill rod, mild steel, brass, occasionally bronze (usually castings), and commercially available fasteners like threaded posts and set screws. I rarely use other metals such as aluminum. What tools do I need to work these materials?

Obviously, the oldest hand tools were made with hand tools. Even today, there are craftsman who make elegant handtools using only other handtools. However, most of us will use any tool that we have available to make tools in the shop. For woodworkers, making their own tools, this includes both woodworking hand and power tools, for both the wood parts and metal parts. Certain metal working machines make the work quicker and more accurate, with less waste.

I own a Shopsmith. The Shopsmith power head accommodates a number of accessories that are

User Made Tools cond. on page 13

User Made Tools cond. from page 12

essential to making tools. Separate tools, doing the same job, can, of course, be used. You probably have most for woodworking, in any case. Examples include a 12 inch disk sander with a variety of grits, drum sander, grinder for steel, wire brush, polishing buffs, and rubber abrasive wheels. I also use a belt sander on occasion. You'll find a table saw useful, even better, a bandsaw, though panel saws and backsaws can easily be used due to the limited amount of sawing involved. I use a drill press, usually my Shopsmith in horizontal boring mode, and the lathe.



I use these miniature lathe tools made from small pieces of exotic wood, brass, and drill rod (cutters) with a converted jewelers lathe for tiny delicate turnings.

Useful metal working tools include a metalworking lathe and a vertical mill with an x-y table for both milling and precision drill press work. In toolmaking there are plenty of opportunities to use a router. But I find that a vertical mill with endmills work better than a router with a greater degree accuracy in most cases. Most of the metal cutting can be done with a hacksaw. But besides the ease, I have found that there is much less waist with a horizontal vertical metal cutting bandsaw.

A number of metalworking handtools are necessary. This includes fine and standard bastard files. Also plan on acquiring skills in using taps and dies for use in both metal and the wood. A full set of metal drills is essential.

Most other hand tools for metalworking can be picked up as needed including center punches, rules, calipers, and specialty drill bits. While you are making your woodworking tools, plan to make a number of your needed metalworking tools as well.

Comments and questions are welcome. Address to William Johnston, johnston@everestkc.net, (913) 492-6942.

NOVEMBER SAFETY REVIEW

Band Saw

The Band Saw has a thin blade in the form of a continuous loop. It is useful for cutting curves, resawing, and cutting thick material.

Safety Rules

1. Before turning on the band saw, make sure that the blade tension lever is in the "On" position and that the blade tracks in the center of the wheel treads when you rotate the wheels by hand.
2. The teeth of the band saw blade should point down toward the table.
3. The blade should be 1/32" from the roller bearing behind the blade.
4. Make sure that the upper and lower wheel guard doors are closed when the saw is running.
5. Keep the blade guard only 1/4" above your stock, or as low as possible if you need to clear the fence.
6. Keep bystanders away from the right hand area of the saw. Broken blades have a tendency to fly out to the right.
7. Don't cut stock that is not flat on the bottom without holding it in a jig. Use a "V" block when cutting cylindrical stock.
8. Keep your fingers and hands away from the path of the blade. Never use your thumbs to push your workpiece toward the blade.
9. Turn the machine off and wait for the blade to stop before backing out of a cut.
10. When cutting small or short stock, use push sticks, feather boards, or other appropriate safety devices to control the workpiece.
11. Do not force a cut. Allow the blade to dictate the rate of cutting.
12. If the blade breaks, shut the machine off and stand clear until everything stops.
13. When cutting with the table at an angle, clamp a block to the table to keep your stock from slipping off.
14. Never stick an object into the blade to stop the machine. Let it stop on its own or use the brake, if the saw has one.

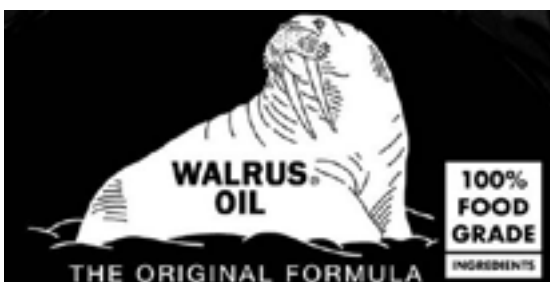
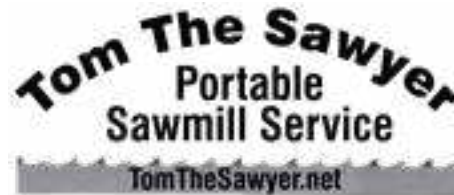


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FROM THE MEMBERSHIP DESK

Renewal Period for 2021 will start Nov 20, 2020 and run thru Feb. 28, 2021

Membership renewal season is upon us! Renewals for 2021 will be available online beginning Nov. 20, 2020. On Nov. 20th each current member will receive an e-mail from Membership with a link to their personal renewal form. **(Easiest Way To Renew)** Members will also be able to renew thru the *Members Only Area* of the kcwg.org website or by mailing a check to the Guild noted; Attention: Membership.

New members joining from 11/20/20 thru the end of the year will be joining for the remainder of 2020 and all of 2021. Membership costs will not increase for 2021 Membership.

Membership Level	\$/yr
Benefactor	\$150
Woodworker Plus	\$125
Sawdust Maker	\$95
Regular	\$50
Senior	\$35
Student	\$25

We will continue the \$5 discount for early renewals (between 11-20-20 and 1-31-21). The overall renewal period will remain the same as last year – you will have until February 28, 2021 to renew your membership. After February 28th, you will be considered a new member and will need to re-qualify for your Green Badge.

PLEASE WELCOME THESE 9 NEW MEMBERS WHO JOINED THE GUILD IN THE PAST MONTH

FIRST NAME	LAST NAME	HOMETOWN	STATE	MEMBERSHIP	JOINED
Matthew	Eck	Kansas City	MO	WW+	10/06/2020
Eli	Haskett	Merriam	KS	Sawdust	10/09/2020
Anthony	Ledesma	Overland Park	KS	Sawdust	10/10/2020
Grant	Minick	Kansas City	MO	Sawdust	10/12/2020
Nate	Hancock	Overland Park	KS	Sawdust	10/16/2020
Rick	McGinnis	Kansas City	MO	Sawdust	10/16/2020
Morgan	Robinett	Kansas City	MO	Sawdust	10/16/2020
David	Hudson	Leavenworth	KS	Benefactor	10/21/2020
Thomas	Morsbach	Plattsburgh	MO	Sawdust	11/01/2020

(November 2020) Current Membership: **853**

NOVEMBER 2020 OPEN SHOP SCHEDULE

day	November Date	9am	10	11	12	1	2	3	4	5	6	7	8	9pm
Sunday	November 1		Chuck Saunders					Chris McCauley Powertool SIG						
Monday	November 2						Ron Haw				Gary Strohm			
Tuesday	November 3	Gary Creek			Craig Arnold							Kara Paris		
Wednesday	November 4	Roger Bartlett				Roland Mohler		Scott Engelmann 3:30			LC Meeting			
Thursday	November 5	Gary Mielke									Basic Woodworking			
Friday	November 6							David Bleier						
Saturday	November 7	Mike Jones						Basic Skills Class	George Rexroad					
Sunday	November 8		Rob Young						Mark Waugh					
Monday	November 9	Video production No Open Shop				Ron Haw					Woodturners General Meeting			
Tuesday	November 10	Matt Nowak			Ron Lomax			Craig Arnold			Mike Falkner Safety Comm Mtg			
Wednesday	November 11	Bob Caldwell				Roland Mohler		Scott Engelmann 3:30			Scrollsaw SIG			
Thursday	November 12	Gary Mielke									Basic Woodworking			
Friday	November 13						Ed Stewart				Barb Hinton			
Saturday	November 14	Toy Truck Class		No Open Shop		Toy Truck Class		No Open Shop						
Sunday	November 15		Chuck Saunders						Chris McCauley					
Monday	November 16	Jerry Thompson					Ron Haw				Gary Strohm			
Tuesday	November 17	Gary Creek			Craig Arnold									
Wednesday	November 18	Roger Bartlett									General Meeting			
Thursday	November 19	Gary Mielke									Basic Woodworking			
Friday	November 20							Mike McCauley			Marselle Bredemeyer			
Saturday	November 21	Dave Kraatz						George Rexroad						
Sunday	November 22		Rob Young					Handtool SIG Safety Orientation	Wayne Peterson					
Monday	November 23	Video production No Open Shop					Ron Haw							
Tuesday	November 24	Matt Nowak			Ron Lomax			Craig Arnold			Mike Falkner Carving SIG			
Wednesday	November 25	Bob Caldwell			Roland Mohler			Scott Engelmann 3:30			Kevin Thomas CNC SIG			
Thursday	November 26	Thanksgiving Shop Closed				Thanksgiving Shop Closed		Thanksgiving Shop Closed			Thanksgiving Shop Closed			
Friday	November 27						Ed Stewart				Rick Chandler			
Saturday	November 28	Dave Kraatz				Ron Haw			David Bleier					
Sunday	November 29		Chuck Saunders						Mike McCauley					
Monday	November 30						Ron Haw							

TENTATIVE

DECEMBER 2020 OPEN SHOP SCHEDULE

day	December	Date	9am	10	11	12	1	2	3	4	5	6	7	8	9pm
Tuesday	December	1	Gary Creek			Craig Arnold								Kara Paris	
Wednesday	December	2	Roger Bartlett				Roland Mohler		Scott Engelmann 3:30			LC Meeting			
Thursday	December	3	Gary Mielke									Basic Woodworking			
Friday	December	4							David Bleier						
Saturday	December	5	Mike Jones							George Rexroad					
Sunday	December	6		Chuck Saunders					Chris McCauley Powertool SIG						
Monday	December	7						Ron Haw				Gary Strohm			
Tuesday	December	8	Matt Nowak			Ron Lomax			Craig Arnold			Mike Falkner		Safety Comm Mtg	
Wednesday	December	9	Bob Caldwell				Roland Mohler		Scott Engelmann 3:30			Scrollsaw SIG			
Thursday	December	10	Gary Mielke									Basic Woodworking			
Friday	December	11						Ed Stewart				Barb Hinton			
Saturday	December	12	Toy Truck Class		No Open Shop		Toy Truck Class		No Open Shop						
Sunday	December	13		Rob Young						Mark Waugh					
Monday	December	14	John Johnson				Ron Haw					Woodturners Holiday Party			
Tuesday	December	15	Gary Creek			Craig Arnold									
Wednesday	December	16	Roger Bartlett									General Meeting			
Thursday	December	17	Gary Mielke									Basic Woodworking			
Friday	December	18						Mike McCauley				Marselle Bredemeyer			
Saturday	December	19	Dave Kraatz					George Rexroad							
Sunday	December	20		Chuck Saunders						Chris McCauley					
Monday	December	21	Jerry Thompson					Ron Haw				Gary Strohm			
Tuesday	December	22	Matt Nowak			Ron Lomax			Craig Arnold			Mike Falkner		Carving SIG	
Wednesday	December	23	Bob Caldwell			Roland Mohler			Scott Engelmann 3:30			Kevin Thomas		CNC SIG	
Thursday	December	24	Gary Mielke									Basic Woodworking			
Friday	December	25	Christmas Day		No Open Shop		Christmas Day		No Open Shop		Christmas Day		No Open Shop		
Saturday	December	26	Dave Kraatz				Ron Haw		David Bleier						
Sunday	December	27		Rob Young				Handtool SIG		Wayne Peterson					
Monday	December	28						Ron Haw		Safety Orientation					
Tuesday	December	29	Gary Creek			Craig Arnold								Rick Chandler	
Wednesday	December	30	Roger Bartlett				Roland Mohler		Scott Engelmann 3:30						
Thursday	December	31	Gary Mielke									Basic Woodworking			
Friday	December	30										Norm Carpenter			
Saturday	December	31	Mike Jones												

GUILD ACTIVITIES AT THE SHOP:

Classes have resumed on a limited basis & open shop sessions resumed on June 1, with modified rules. Always check the guild website before leaving home to be sure that a scheduled event is actually taking place.

There will also be times when the shop will be closed to open shop periods due to a special meeting, class or event. These closures will be clearly noted on the monthly open shop schedule and are typically highlighted by a color other than the green background that normally indicates an open shop period.

BOARD & LEADERSHIP COMMITTEE

President.....	Craig Arnold	president@kcwg.org
Vice-President	Cal Hobbs	vicepresident@kcwg.org
Secretary	Mike McCauley	secretary@kcwg.org
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Web Master	Mark Crowley	webmaster@kcwg.org
Librarian.....	Don Steele.....	library@kcwg.org

ESSENTIAL LINKS & SERVICES

Kansas City Woodworkers Guild Website	https://kcwg.org
Guild Training and Available Classes	http://kcwg.org/classes/
Members Only Section (Password Rqd).....	http://kcwg.org/member-only-area/
Guild Photo Bank and Upload Center	https://member.kcwg.org/photo-submission/
Place a Classified Ad.....	classifieds@kcwg.org
GUILD Online Auction Page.....	https://member.kcwg.org/auctions/
KCWG Facebook Page	https://www.facebook.com/kcwg
KCWG Videos	https://kcwg.org/videos

VISIT THE
KANSAS CITY WOODWORKERS GUILD
ONLINE AT
www.kcwg.org

