



Wood Words

Kansas City Woodworkers Guild www.kcwoodworkersguild.org

Volume 21 Issue 1

February 05

Guild Meetings:
Jacob's Well Church,
1617 W. 42nd St.,
KC Mo. 64111

Last month to pay dues before being dropped from the newsletter rolls

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Books
George Rexroad

Editor/Web:
Wayne Wainwright

February Raffle: Chris will have his usual assortment of fine tools!

Please thank sponsoring members; noted below for supporting our Guild.

Next Meeting Wed. February 16th, 7 PM

Program: Bent Lamination techniques with Jim Ramsey

Sawdust: The Presidents Corner

Wayne Wainwright



Last month I mentioned we had contacted a few educational institutions about partnering with us to offer scholarships to our membership.

I am happy to announce the first of those partnerships is in the works. If everything works as planned, the Guild will offer a scholarship to the Red Rocks School of Fine Woodworking starting in 2006.

Located at the foot of the Rocky Mountains in Lakewood Colo., Red Rocks offers more than 150 programs and 650 courses leading to two-year degrees or professional certificates. Red Rocks and the KC Guild have a similar goal – to introduce our respective members to “process analysis” and improve

our woodworking fundamentals. Stay tuned for more on this throughout the year.

We delivered just over 1,100 toys to the United Way this year, our partner for the last 12 + seasons. Although far from what we normally deliver, an excellent showing considering the challenges we have been through and the high producing members we have lost.

Our entire Toy Project is being re-evaluated. We will continue with our past contributions, but we are also considering other benefactors and other toys as well. More on this next month.

Fred Chael announced his interest in having someone step up to the production of his dragsters and the shadow boxes. I trust someone will take him up on his offer. If you are interested, please contact Fred or Wayne.

I am very excited about this months Program. Jim Ramsey will be showing us Bent Lamination techniques and why/when you should use them, making templates, making the bend-

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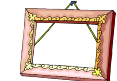
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Wood By Design
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ing form and talking about glue up. This is a great opportunity to learn a new technique - I hope everyone is in attendance for this one!

By the time you read this, we should be in the middle of the Remodeling Show at the American Royal. I'm sure you will have had a great time there. As of this writing, there are still a few slots left for the Woodworking Show March 4th – 6th. Make sure you sign up at the Feb. meeting so we can make sure to get you your tickets. Free entry is another benefit of your membership so make sure you sign up early. As you know, these events are our number one source of new membership interest.

February is the last month to pay your dues and avoid interruption in delivery of your newsletter. Please make sure you have made arrangements with our Treasurer if you are not going to be at this month's meeting. On that note, after some prompting from the membership, we are considering introducing a new membership structure.

We currently have Members (\$25) and Sponsors (\$100). Several members have asked if there is a way for them to aid the Guild in meeting it's long-term financial goals. We are considering modifying the membership types as follows: Senior Members – over 65 (\$25), Members (\$30), Associate Members (\$50) and Sponsors (\$100). If approved, these changes would take effect the month of approval for new memberships and in the 2006 calendar year for existing memberships. There would be a slight difference in benefits based on the membership structure chosen. The details are being finalized and will be introduced in March. Voting will take place in April.

Please note: If you are planning on seeing Dave Kraatz demonstrate "how to tune a band saw" on Feb 10th, our sponsor Turn About Wood has moved to a new location:

Turn About Wood
6609 Royal Street, Suite 101
Pleasant Valley, Missouri 64068
(816) 781-4230

Program: Gene Caples - The Router & Router techniques

Starting out with a Bachelors degree in Industrial Professional Arts Design and then on to a Masters in Fine Art sculpture, Gene has developed into an outstanding woodworker. He has had a number of work experiences related to woodworking over the years that have given him a strong skill set. Some of that skill, from our past President, was displayed this night.

Gene showed us the tool of choice prior to the router, that was used to shape wood - the Hand Plane. With interchangeable blades, these tools were indispensable to woodworkers years ago. He introduced us to an older router (circa 1960) that he still uses today. It has a shaft lock that is easy to adjust, sets up fast and fits well in your hand (although Gene recommends 2 hands). He is still not sure why manufactures moved away from this superior design.

A plunge router typically has variable speed and should have a soft start (less dangerous). Whenever you plunge with a router, you want to pick up the speed and evenly push the blade in. Plunge routers have a lot of nice features including a great way to set the depth of cut.

The Bosch and the Porter Cable routers are basically the same. The Bosch is quieter but the Porter cable can be put into a router table, be converted into a plunge router base, or just used with the D handle. The D handle is good for one-handed use, just like the router hand planes.

Whenever you rout you should only take 1/8th off at a time to avoid gouging or chipping. Gene says that you can fix so many things with a router; it's almost a one-tool shop. You can flatten with it and if you have a 10-foot board you can straight line it and make a good glue edge. You can also do a variety of molded edges.

The variety of bits you can buy today is unbeliev-

able. They are not that expensive and Gene showed us a case of 12 bits that only cost him around \$60.00. He also suggests that if you have a choice between a ½ inch bit and a ¼ inch bit, go with the ½ inch. The reason is less vibration and less chance of the bit breaking. The ½ in bit resists heat better from the collets than a ¼ inch bit.

Joints you can make with a router are mortise and tenon, box, dovetail, Rabbits, dados, half laps etc. If you learn a good variety of ways to use the router, then you can invent some of your own.

Gene demonstrated a router bit with a bearing on top. This bit is called a pattern bit. This bit is used with a pattern. The pattern is attached to the wood with screws or carpet tape. You want to feed your work piece into the router bit and use a starting pin if you have one for your router table. Gene gave the demonstration on a router table that he built the last year or so. With a Shop Vac dust collection that can be attached to it. The Shop Vac is stored underneath the router table and doesn't take up any additional shop space.

Thank you Gene for putting on a demonstration for us and sharing your information about routers, and techniques. Good Job.

Thank You to Woodline USA.

Dave Kraatz

In our Tool Talk session during our January meeting, the question was asked on the recommended safe speed to run large sized router bits.

I sent your question to Bill Thompson of Woodline USA and he responded by sending us copies of their speed recommendation chart for router bits and copies of their 2005 catalog. This chart is in graphic format and can be used as a direct measuring tool for your bit to determine what speed to run.

I know this chart will become a valued tool in your shop to keep your routing jobs safe. You may pick up a copy of the chart and catalog at the February meeting. I own about 20-30 Woodline bits and have had very good experience with their performance. Take a look at the catalog and you will probably find just the right bit for your next project. Woodline USA will be at the March 4-6 tool show, be sure that you stop by and see them.

For sale:

Wood: The Guild will soon be acquiring a quantity of Pecan lumber. This is in the form of a tree that was sitting in a backyard in Brookside for the last 50+ years.

The tree was felled to avoid a lawsuit by a neighbor and the owner is looking for a good home. The Guild is paying a sawyer to cut it up into pieces and will be offering it for sale to recoup those costs to the membership.

This will be green wood that will need to be dried before you can make furniture (or for those who can use greenwood, here is a good opportunity for you).

I hope to be able to give you the details (cost, lumber sizes etc.) at the February meeting.

Our Sponsor Elmwood is willing to dry lumber for you for a small fee if you would like to use your quantity "sooner". We can make arrangements to have it delivered there and picked up when complete if you cannot do that yourselves.

I hope this venture works out for us all in the end.



Congratulations to our first annual award winners! From left to right:

Dave Kraatz, Jim Bany and Fred Chael!

Special Member Benefit from:

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Shop Safety

Accident Description

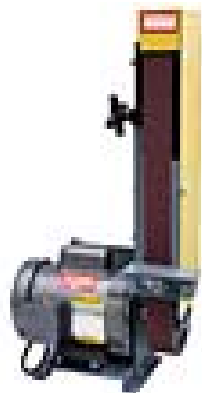


After a few days with my new biscuit jointer, I was enjoying the ease with which the tool could be used. Being new to the tool, I was experimenting with vertical cut depth and exactly how to align the biscuit slots.

To test the depth, I held a scrap piece with my left hand and proceeded to make a sample cut. The jointer grabbed the piece and pulled it to the right along with my left hand. I quickly realized that my left index finger also had a test cut about 1 inch long and half the depth of my finger. After a quick trip to the emergency room and several stitches later, I now have a constant reminder to practice shop safety.

Advice to other Woodworkers

Always use clamps to hold your work in place.



Accident Description

I was working with small metal parts but this might help someone anyway. I was finish sanding small parts, held in my fingers, on a vertical belt sander. One of them was more-or-less wedge shaped. The part slipped out of my fingers and wedged, bending the rest (going across

the belt) enough to let my fingers in as well.

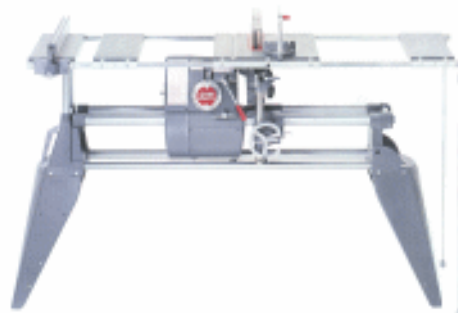
The work piece rest was bent away from the belt with my fingers wedged in and the motor luckily stopped dead, humming or I would have ground my knuckles very badly. I reached around and shut off the sander backing the belt to release my hand. I got a few scratches but I was okay, If the motor didn't stop it would had been worse.

Advice to other Woodworkers

Make sure the work piece rests are made well on sanders. If it were made stronger it would have never happened.

Also be careful sanding wedge shaped work pieces on a rest.

Accident Description



I had set up my Shopsmith as a disc sander with the table tilted to about 15-degrees, then attached an extension wing and support legs on

the downward side so I could add the rip fence several feet away from the disc to act as a back stop.

I used the miter gauge to hold the 2x4 stretcher stock for a workbench, and the goal was to advance the sanding disc via the quill feed to create a nice chamfered/pyramid shape on the ends of the through-tennons of each stretcher. It was a wonderful setup and everything was going smoothly until I subconsciously starting pushing the miter gauge back and forth as I often do for disc sanding end grain to reduce swirl marks. Well, that was the wrong thing to do since I was also using the fence as a backstop on a long piece of stock.

The other end of the stock bound on the fence as I pulled the upper end back toward me with the miter gauge, effectively "gouging" the corner of the stock into the sanding disc. Faster than I would have ever imagined, the stock forced its way toward me quite violently doing an amazingly artistic sanding job on the now ruined tennon. The SS didn't miss a beat, but it sure scared the heck out of me once I realized what I had unthinkingly done. It could have been an injury had there been any other factors.

Advice to other Woodworkers

When you are trying a new and unusual machine setup, be especially aware of any hazards, especially if you have any particular habits of use with that machine.

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Shop Tip

Jointing On A Table Saw

You don't need a jointer to get a straight, square edge on a board. An L-shaped auxiliary fence makes it easy to "joint" a board on a table saw (see *Photo at right*). The fence works on the same principle as a jointer. On a jointer, the work piece is fed along an infeed table set slightly lower than the knives. As material is removed, the outfeed table, which is set flush with the knives, provides support for the work piece.



Infeed & Outfeed Sides

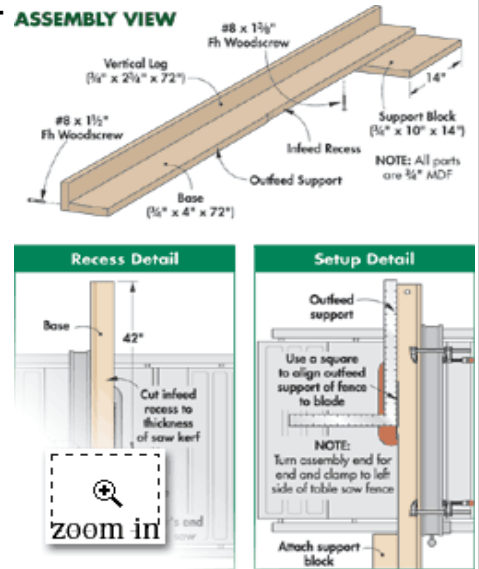
To adapt this idea to the table saw, this fence also has an *infeed* and an *outfeed* side. The infeed side has a long, shallow recess cut in one edge. In use, this recessed edge is used to guide the work piece into the saw blade (*Photo 1*). The outfeed edge of the fence (the full-width part) provides support for the work piece after the cut is made (*Photo 2*).

A Quick Build

The auxiliary fence consists of two pieces of $\frac{3}{4}$ " MDF that are screwed together (*Assembly View*). The vertical "leg" of the fence is used to clamp the assembly to the saw's rip fence. For jointing long pieces, I also made a support block for the infeed end of the table. Note: Attach it *after* you cut the infeed recess.

Cutting the Re-cess

To cut the infeed recess, you'll need to move the rip fence to the left side of the blade. Set the fence to make a cut that matches the *exact thickness* of a saw kerf. Then, making a single pass, cut the recess as shown in the *Recess Detail* below. After the recess is cut, simply flip the assembly end-for-end to use it to joint the edge of a board.



Setup

To set up the fence, align the *outfeed* support of the fence with the outermost teeth on the saw blade (see *Setup Detail*). A framing square makes it easy.

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Want to help cut guild monthly costs? Consider receiving the newsletter via email. It is faster and comes in color. If you are interested, please send an email to Wayne Wainwright at: wwrig@kc.rr.com, or add your email to the Attendance list at the monthly meetings.

Newsletter Deadline: 1st of the month:

Please send all submissions for articles, tips, want ads announcements and anything else to Wayne Wainwright: 816 453-1073 email: wwrig@kc.rr.com
4214 N Brighton Ave KC. MO. 64117

Member of the Month

Brian Kemp and how you want the finished project to look.

Tim Helfrich

Thanks Tim for allowing us to feature you this month.



What is your favorite wood to use & why?

My favorite wood is Maple because of the way it looks when it is finished.

What is your favorite project you've built & why?

I would have to say it would have to be the Cedar planter wagon. A lot of people liked it and it was challenging with the use of metal straps to connect parts of the wagon.

What is the best deal you have gotten on a woodworking tool?

Last year at the tool show, I was looking for a thickness planner. One of the vendors had a Delta 2-speed planner, and the demo sold for \$275.00 with a mail-in rebate for \$50.00. Regular price for the machine was \$460.00.

What Guild activities have you been involved in, how many times/or how long?

I have worked on the toy project, building car haulers for 3 years. My wife has also enjoyed helping with this project.

What is your favorite Guild activity?

The raffle. Not because of the prizes won, but because of what the money benefits, and the spirit of the group.

What shop tips can you give us?

Look at the lumber you are choosing and make sure you are happy with it before you purchase it. Keeping in mind the project you are using it for,



The Christmas Party



Bob King's Walnut and Oak truck bank



Jim McCord's Frank Lloyd Wright inspired boxes



Tim Helfrich's Bird's Eye maple step stool



Russ Amos ash and redwood Jewelry Box



Anthony Harris's turned boxes



Jim Bany's Baltic birch edge clamps.



Bob Wilson's maple closet rack



Daryl Davis Red Oak lamp



P.O. Box 413922
Kansas City, MO. 64141

Meeting Minutes

New Members & Visitors: Lisa Morales, Anthony Harris, Tim Swinney, Jay Helland, Rex Collier

News:

Fred would like to see someone succeed him to continue the Hospice and Turning Point projects making shadow boxes. He would also like to see someone succeed him in making dragsters for the Toy Project. If you are interested or have any questions please talk to Fred Chael. (816) 561-9036.

Dave Kraatz is demonstrating: Tune up your band saw at the new Location of Turn about Wood on February 10th from 10:00 to 2:00. **6609 Royal Street, Suite 101, Pleasant Valley, Missouri 64068 816-781-4230**

Current Budget: \$4,401

Raffle:

Jim Reynolds: extension cord, Jerry Jennings: shop brush, Bill Collins: set of gloves, Kris Kunzle: magnetic holders, William Deleon: drill, John Morrison: small set of clamps, Tim Helfrich: Stubby tool set, David Roth: extension cord, Hubert Wellborn: tarp, Merle Krugman: clamps, Joe McGuiness: WD 40

Show and Tell:

Bob Wilson brought in a closet rack made from maple. It has a Polyurethane Semi-gloss finish. The back was interesting. Bob did a lot of stain testing. The challenging part was the finish.

Tim Helfrich brought in a Step Stool made of Bird's Eye maple and Mora. He has a rub on polyurethane finish.

Jim Bany Brought in some edge clamps made from Baltic birch.

Russ Amos brought in a Jewelry Box made from ash and redwood. It had a lacquer finish and the major point of interest was that the completed top was made from scraps of red wood from the kayak that he built last year. The greatest challenge was carving the sides.

Bob King brought in a truck bank made from walnut and oak, that had a lacquer finish.

Ken Sokol made a blanket chest of maple that had a water based polycyclic finish. The finger joints at the corners and the dovetail drawer were the points of interest.

Frank Layne brought in a router table made from Baltic birch.

Calendar

Executive Meetings, 7:00pm Kansas City Public Library 1410 W 10th St. KC MO 64105

Guild meetings, 7:00 p.m., Jacob's Well Church, 1617 W. 42nd St., To reach us "during the meetings, call: KCMO. (816) 561-8177

Executive Meetings

Guild Meetings

2005

January 12th
February 9th
March 9th
April 13th
May 12th
June 8th
July 13th
August 10th
September 14th
October 12th
November 9th
December 14th

January 19th
February 16th
March 16th
April 20th
May 18th
June 15th
July 20th
August 17th
September 21st
October 19th
November 16th
December 21st

All members are welcome at any board meeting. A call to one of the Officers is all that is necessary.

Daryl Davis brought in a lamp made from red oak. He sprayed lacquer over a dark walnut stain for finish. He made this just for fun, with leftover block from turning stair post ball caps.

Jim McCord made some new boxes inspired by Frank Lloyd Wright. The lid had a stained glass look. Jim says there are Unlimited ideas for box making and the only thing that will hold you back is your imagination.

Anthony Harris made a variety of turning boxes. Some were made from Palm Nuts with African black wood threads. Anthony also made an interesting addition piece with Walnut cut threads that turned out quite well.

Also Anthony made a seven piece turning made from Pink Ivory, African Blackwood and two types of boxwoods. It took about 30 to 35 hours of turning for the items that Anthony brought to show and tell.