



# Wood Words

Kansas City Woodworkers Guild [www.kcwoodworkersguild.org](http://www.kcwoodworkersguild.org)

Volume 23 Issue 2

February 07

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

**2007 Dues should  
be paid this  
month**

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**February Raffle:** Bill Evans will have his usual assortment of items

**Next Meeting Wed. February 21st, 7 PM**  
**Program: Eagle Jig Company– Gary Williams**

## Sawdust: The Presidents Corner

*Jim Bany*



I've been reflecting on the annual tool show that took place this last weekend. After spending all three days there, I came away with some observations.

First, I want to thank Roger Grout and Mike Jones for their leadership in putting the display together. I think our participation is getting better every year and I want to thank all of the Guild members who were kind enough to show their projects.

Having Scott Engelmann's cedar strip canoe was a great attraction, particularly since one could see it from two aisles. Shelly Taylor's table was a wonderful showpiece and conversation topic.

When people were told it

was her first wood-working project, they were especially impressed. Russ Amos's jewelry box attracted a lot of oohs and aahs.

The one sad part for me was not having Dave Kraatz be a part of the weekend. Dave's family is facing some serious health challenges right now, and I want him and his family to know they are all in our prayers.

One of the improvements I witnessed was the return of some of the local vendors, Strasser Hardware, Overland Tool and Eagle Jig Company. By comparison, no local companies were represented last year.

I think we have a responsibility to reasonably support our local suppliers. I found some great bargains.

Both Forrest and Freud had good buys on their

premium blades. I was very impressed with the Lee Valley and Veritas display. The fact that one could actually use

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their planes was fantastic and I spent a great deal of time trying them out. The other display I spent a lot of time at was Steel City Tools. It's the first time I've seen them and I was overall very impressed. These are some former Delta people who decided to go back into the tool business.

It appears that they are taking Delta's designs and trying to improve on them. I missed having Jet and Powermatic represented. I'm glad Lie-Nielsen wasn't represented at the tool show this year. I really saved a lot of money by them not being there.

So what's going on in your shop?

### **Program: Shop Safety with Chuck Slagle**

Chuck Slagle opened the meeting with a Safety Video from Marc Adams.

The video covered safety using a Power Miter Box, Jointer, Planer, Band Saw, Router Table, Sanders (Drum, oscillating, spindle, edge) and Table Saw.

Chuck Slagle also talked about shop safety. Chuck said the first thing in your shop is safety. Make sure you have the right frame of mind going into your shop.

Another thing Chuck talked about is attitude. That is, you focus on the task - Chuck used Jim Bany as a model. Jim focuses on the tasks that he is going to do that night.

You're concentrating on the job. You may have other things on your mind, but you don't want to be distracted.

#### **Strength**

It doesn't mean muscle strength. It is strength to do the right thing. When you have an overpowering urge to do something unsafe, you have to have the strength to say no, I'm just going to stop. It's going to be a little bit slower, it's a little bit more work, but I'm going to do it right.

#### **Time**

Time is money in a shop, but you also need to look at the time and money if an accident did happen.

#### **Responsibility**

You have your family to think about. Your responsibility is to be safe at work and in your shop. If you do have an accident in your shop, it can impact your job and it can also impact your life.

#### **Risk**

We are surrounded by risk every day.

#### **Risk Tolerance**

Everybody has risk tolerance. Somebody else's risk tolerance may be higher than Chuck's and it may be lower than Chuck's. That is why we set safety standards. In terms of OSHA that is the benchmark that is considered an acceptable risk.

#### **Risk Assessment.**

In my work shop area, do I have good lighting? The bottom line is, can we see well? As we age we need more lighting. We might've put that lighting in 20 years ago when we were 20 years younger. Maybe, you need more light. Is the work area dry? Is the work area adequate?

#### **Kick Back.**

If kick-back happens, is it going to damage something or is it going to hurt you? Do you noticing sawdust on the floor? Slips and falls are big problem in the shop.

Chuck stops and takes time to clean up the shop when he is done for the night and he also cleans up after each work operation. He may have made a lot of saw dust but, takes the time to clean it up after that operation. Is the extension cord duct taped to the floor, to avoid tripping?

#### **Personal Protection Equipment.**

Does it cover your nose, eyes, ears, and lungs? Those are the most important things that you have to protect. Try and engineer them out. If using finishes and chemicals, you may need a respirator. You'll need eye protection for flying objects and you'll need hearing protection for noise.

Chuck would like for us to think about our shop operations and methods of work. Ask yourself,; how many times do I do this? Maybe you don't know that this is not the safe way. That is why we are talking about this tonight. What is the safe way to do things.

Chuck went through each of those points and made a

handout for the guild members. Then he recapped the top ten rules and the one Chuck pointed out the most was the 12 inch and the 3 inch rule.

Chuck has the video and a CD Rom from the Power Tool Institute. They go into more depth of the type of cuts, and how to do it safely. You can get it online, just Google "The Power Safety Institute".

If you would like the handbook on woodworking safety, it costs around \$15 to \$20. Mr. Thompson wrote it in Canada and Chuck says it is a very good book.

One thing Chuck wanted to leave you with:

When you go to the shop, take Jim Bany's advice. Thinking about safety should be the first thing you think about; so you don't have to talk about the accident when you leave.

Additional free Safety information and video training is available from the Power Tool Institute Inc.

Web site: <http://www.powertoolinstitute.com/>

And also there is a book called

Thompson's Safety Handbook  
P.O. Box 326  
Bowden Alberta , Canada T0M 0K0  
<http://www.woodsafes.com/>

Interested in the DVD on shop safety with Marc Adams?

Go to MarcAdams.com and click on the Video Series. You have to purchase at least four of the 10 videos to receive the Safety Video. Or if you take a class at Marc Adams School he will send you a Safety Video on DVD before you take one of his classes.

Thanks Chuck for an excellent safety program.

## Shop Safety

### Three things to remember when working in the shop:

1. There are inherent **risks** in the workshop
2. Every machine has a degree of control
3. Repeated passes over a blade increases the exposure to

an accident

### The following are 10 safety rules to follow:

1. Always take care of yourself ( Eyes, Ears, Lungs, hands, etc.)
2. Do not ever wear gloves when working with machine tools
1. Keep your shop clean
2. Always use your guards
3. Do not overreach to make cuts
4. Know your machines limitations
5. Be aware of pinch points that can cause kick-back
6. Leave small pieces lie
7. Always use safety devices

### Understand the 12" & 3" rules ( Under 12" in length & hands 3" from blades, guards or shields) Power Miter Box safety rules

1. Never cross your arms over the cut
2. Follow the 3" rule from the guard
3. Start the motor in the "up" position
4. Keep the blade in the pocket until it stops
5. Make sure that the guard is working properly
6. Never put your hand inside the guard

### Be aware of your body position Jointer

1. Keep cuts to less than 1/16th of an inch
2. Never run boards under 8 inches in length or 3/4 " in thickness over the jointer
3. Follow the 3" rule from the guard
4. Never put your hands over the cutter area
5. Keep your cut toward the out feed table
6. Never operate the jointer without guards
7. Use the left hand for hold down; Use the right hand for pushing
8. Never use your thumb as a push stick

### Walk through the board Planer

1. Follow the 3" rule from the in-feed or out-feed
2. Always keep your guard in place
3. Use the a dust collection system
4. Watch for defects in boards that can be ejected

5. Know your machines limitations
  6. Never stick your hands in the machine
  7. Watch for pinch points
  8. Never wear gloves operating the planer
- Pay attention to the operation

### Band Saw

- Follow the 3" rule from the blade
- Check the blade tension and tracking
- Don't cut stock that is not flat on the bottom
- Keep a balanced stance
- Never clear small pieces while the blade is moving
- Never use your thumbs to push toward the blade
- Never back out of a curve cut

### Router Table

- Follow the 3" rule from the bit
- Know the routers limitations
- Never pass your hand over the bit
- Use push sticks
- Always feed from right to left against the rotation of the cutter
- Keep your bits sharp and clean
- Unplug the router before changing cutter heads

### Sanders (Drum, oscillating, spindle, edge)

- Follow the 3" rule from the sand paper
- Be aware of pinch points and kick-back
- Use dust collection
- Be aware of the feed direction

### Table Saw

- Follow the 3" rule from the blade
- Check alignment of the splitter, fence and miter gauge
- Be aware of your position at the saw
- Never free hand on the table saw
- Always use your splitter on through cuts
- Make adjustments when the machine is off
- Never clear small pieces while the blade is moving
- Do not over reach
- Never use the miter gauge and fence together
- Set the blade 1/8" to 1/4" above the board.

## Shop Tip

### Dowel Storage Rack

Like many woodworkers, I keep several different size dowels on hand. To provide easy access to the one I need, I made a simple storage rack.

The rack consists of three pieces of PVC pipe that "stairstep" up in height (10", 22", and 34" in my case), see photo. If a dowel is too short to stick out the top of a pipe, it's still visible through a "window" opening in front.



When cutting this opening on the a bandsaw, it's a good idea to clamp the pipe to a board to keep it from rolling.

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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: [wwrig01@mail2web.com](mailto:wwrig01@mail2web.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:  
816 635-9815 email: [wwrig01@mail2web.com](mailto:wwrig01@mail2web.com)  
18424 Plattsburg Rd, Holt MO. 64048**

## Member of the Month

By Nan Melton

### Aaron Menning

#### **What is your specialty in woodworking?**

I haven't been doing it long enough to have a specialty yet, I do enjoy building furniture and small boxes.

#### **How many years have you been woodworking?**

Three years, when my wife and I got married four years ago and we couldn't find any bedroom furniture we both agreed on. It was either too expensive or was not built well so I was able to convince my wife that I could build something we both liked for less money and I have been trying to do that for the past three years.

#### **What is your favorite hand tool and why?**

Lie-Nielsen rabbit block Plane, I use it on every project for fine tuning joints, it is a very versatile plane.

#### **What is your favorite power tool and why?**

The band saw, it can cut so many different things and it is a relatively safe machine.

#### **What is your favorite wood to use and why?**

Cherry, I love the way it smells when it is cut, and I like the color more and more as it ages.

#### **What is your most favorite project you have built and why?**

The first year I was doing this I built my parents a pair of nightstands and gave it to them Christmas and it made my mother cry. Anytime you can make your mother cry for something you did well, is good.

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

I got a MiniMax S45 band saw and five blades for \$120 and 100 board feet of walnut I had gotten at an auction for \$0.50/bf.

#### **What guild activities have you been involved in, how many time/or how long?**

KC Woodworking Show booth

CRP program

Monthly meetings

2X4 contest

Member workshop clinics (Jim McCord's boxes and Dave's hand tool sharpening)

Northland workshop tours

#### **What has been your favorite guild activity?**

I enjoyed the workshop tours, it is neat to see how other people have their shops set up and to get ideas for my own shop.

#### **What Shop Tip can you give us?**

Never work when you are tired and keep your shop clean, it is safer for you and keeps your spouse happy.



## Tool of the Month

Don Kruse

This month's old tool is an inclinometer. An inclinometer is a form of level used for measuring the relative angle between the body of the tool and horizontal. There are various forms of inclinometer, some with adjustable bubbles and some with hanging weights.

The bubble types usually have a method of setting the angle of the bubble. Some have bubbles which may be rotated relative to the body of the tool, some others have displays filled with liquid and the angle is read by looking through the vial and comparing the surface of the liquid with a scale on the back of the vial. One liquid type has a circular vial with a small bubble and the angle is read from the position of the bubble.

The mechanical types with the hanging weight come in various designs also. In some of them, the weight points at a scale to measure the angle, in others, the weight turns a gear and the rotation is magnified through a gear train to a pointer and the angle is read from a dial. There are enough variations in tools to make them a fairly popular collectible.

The inclinometer shown in the picture was made and sold by a hardware store owner named Hodge. I have two sources of information on this inclinometer, one says that Mr. Hodge did not patent this tool and a similar design was eventually patented by Stanley for one of their early levels. The other source says that it was patented and was pre-Civil War. I do not know which is true.

This inclinometer has a bubble mounted on a swinging arm that can be adjusted relative to the body of the inclinometer using a built in protractor. The pointer has a built in Vernier scale to read angles to the nearest 1/10 of a degree. It measures 30 inches long and 4 1/4 wide.



Show & Tell



Phil Akers' three bowls with a natural edge



unknown



unknown



Paul Twenter's red oak chair



unknown



unknown



Tim Helfrich's cherry cabinet with a stained glass door



David Roth's Marquetry pieces, Columbine and Lady Slipper.



Anthony Harris' pipe



Bill Johnston's half inch rabbet shoulder plane



Jim Ramsey's threaded dowel stool.



Jerry Jennings poker chip holder out of white oak



James Childress cherry wall clock.



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### Meeting Minutes

#### News / Business:

Shirt orders Paul Twenter has the envelopes and there are six sizes to choose from.

**Additional free Safety information and video training is available from the Power Tool Institute Inc.**

Web site: <http://www.powertoolinstitute.com/>

Power Tool Institute Inc.  
1300 Sumner Avenue  
Cleveland, Ohio 44115 Telephone: 216-241-7333

#### Raffle.

Jerry Jennings - box clamps, John Johnson - level and screwdriver set, Marty Imber - Mouse sander, David Roth - shop apron, Mark Heath - Set of medium clamps, Bob LaDue - King Craft saber saw, Mike Miller - Small set of clamps, Kevin Thomas - File handles and Jim Stuart - Multi tester.

### Show and Tell:

**Jerry Jennings** made a poker chip holder out of white oak and is looking for a lazy Susan for it. Jerry also showed some of his jewelry boxes that he made with guild members - Harold Sickles; Bob King and Jim McCord.

**Don Kruse** talked about some Jackson Gorman 1856 hand saws, that also has a square and a built in scribe. Someone named Smith made an improvement by adding bolts to the blade so it doesn't wobble. He also brought in a gentlemen's garden tool set manufactured in 1856.

**Paul Twenter** showed the chair he made out of red oak - the big challenge was the curve on the back.

**David Roth** showed two Marquetry pieces, a Columbine and a Lady Slipper.

**Tim Helfrich** made a cherry cabinet with a stained glass door. It had a light and a mirror to highlight the glass.

**James Childress** made and showed his second cherry wall clock. The challenge in this project was that every board was twisted, however Jim figured it out. Jim says the door changes shape according to the temperature. He also scraped all of the wood instead of sanding the project before finishing.

### 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

2007

January 3rd  
February 7th  
March 7th  
April 4th  
May 2nd  
June 6th  
July 4th  
August 1st  
September 5th  
October 3rd  
November 7th  
December 5th

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

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

**Bill Johnston** made a half inch rabbet shoulder plane with bubinga infill and brass dovetail.

**Phil Akers** showed three bowls with a natural edge that he turned after making some cabinets for his wife.

**Anthony Harris** roughed out the bowls that he made last summer while the wood was wet. He showed us what they look like now.

He also showed another pipe. This one showed the figure of the grain at its best and he incorporated it in the design, for the grain to end, at the point of the pipe. Good Job, Anthony.

**Jim Ramsey** showed the stool he made with bent lamination and the 2 inch threaded dowel he made for the stool.

One of the challenges was the rabbet was done on the drill press with a router bit. Lining up the holes for the stool to be level was another major challenge.