



Monthly Messenger

Central Minnesota Woodworker's Association

Volume 4 Issue 9
September 2004

Fellow Woodworkers

John Kirckoff, Board Member

By Ron McKeever

John Kirchoff (better known as Fritz in the Foley area) needs no introduction to woodworking. John is one of our full time woodworkers. Ever since he was a youngster growing up in the Foley area he has been interested in woodworking. John's dad and grandpa both were involved in light commercial construction, so all through high school and while attending St. Cloud State he worked with them on different projects. After graduating from college he worked for a short time at Midstate's Cabinets and Ron's Cabinets before heading out on his own. John worked from a small shop at his home near Duelm before moving to a building in Foley, where he current resides. His wife Jennifer and 3 children probably think that he does reside at the shop, since he has been working 12 to 14 hours a day. I guess that's why we haven't seen him at a meeting lately.



When we caught up with him, he was working on a project that was going to be a gift for his wife. (Don't forget to take a picture, John, to show the club!)

He hasn't had much spare time for awhile, but it wasn't long ago that John could be found playing drums with a local band until 2:00 AM.

John will be at the meeting this month to help out with sharpening tools. Maybe we could get him to play the drums at some future meeting?



CMWA Meeting Recap

Midwest Motor Sports August 18th, 2004 at 7PM
Recap adapted from secretary's meeting minutes

• Band Saw Tune-up:

- Our August meeting was hosted by member Dan Iberg at his Midwest Motor Sports shop, where Bob Burnett, our August speaker and long time club member, gave a great presentation on tuning up member John Wilson's Rockwell Delta 10" contractors table saw for optimal performance, as well as providing two videos; one, a 25 minute video on table saw safety, and the second; a 12 minute video on the Align-it gauging system used for shop tool adjustments and inspections. Thanks for your contribution to the CMWA, Bob.

• Items for Sale:

- Rollie still has one band saw left.

• Monthly Door Prize:

- Bob Burnett won a 24 inch steel rule.

• Next Meeting:

- Wednesday September 15th, 7 PM AT the Sauk Rapids – Rice Middle School (See Map)

Suggestions for the CMWA

We are always looking for ways to improve the CMWA. Our monthly meetings are a time for woodworkers to get together, have fun, and possibly learn about woodworking.

If you have an idea of a future topic you would like to see covered or are willing to help out with any future meetings, please let us know by dropping a note in the Name Tag Bucket at any meeting or emailing us at newsletter@thecmwa.com. You can leave your suggestion anonymous or include your name and phone number.

September 2004

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15 CMWA	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Next Meeting: September 15th at 7:00 PM at Sauk Rapids – Rice Middle School

Board Meeting: September 15th at 6:00 PM at Coborn's in SR

September Meeting

Dave Blenkush and John Kirchoff have graciously agreed to present a sharpening seminar. Bring your dull irons and any questions that you have about sharpening.

Our New Permanent Home

The Sauk Rapids – Rice School District has kindly allowed to the CMWA to use one of their shop facilities for future meetings. We will be meeting at our new home at the Sauk Rapids – Rice Middle School. The old Mississippi Heights Middle School is now an elementary school and the new middle school is in the old high school.

We will need to enter the Middle School through door 16 in the back of the building. The room number is 916. See the map for more details.

Central Minnesota Woodworker's Association

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Glue Chart for Woodworkers

by Roland Johnson

Hide Glue

The traditional woodworker's glue, hide glue is comprised of the proteins found in animal hides. Exceptionally strong with a quick initial tack and reasonably long open time hide glue is a favorite of musical instrument makers. Steinway grand pianos are glued together with hide glue as are Martin guitars. Hide glue does not have a great deal of water resistance. This lack of water resistance makes disassembly of a hide glue joint relatively easy, simply apply warm water or steam and the glue will soften allowing the joint to be disassembled. Old hide glue that has dried out and lost its bond can be reactivated with heat and moisture. A damp cotton cloth, a clothes iron and a little patience are all that are needed to repair loose veneer in many old pieces of furniture. Hide glue can be purchased as granules that require re-hydration and heating or can be purchased as "liquid hide glue" that will remain liquid at room temperature.

PVA (Polyvinylacetate)

This is the basic carpenter's glue. White or yellow in color PVA glues are good for wood to wood joinery that is not subjected to high heat or excessive moisture. PVA glues remain plastic after drying and can cause glue line "creep"; a slight bit of movement because of the plastic nature of the glue; not good for bent laminations, it should never be used for structural laminations such as load bearing beams.

PVA Waterproof

Although not waterproof enough for below water line use (a boat builder's term) they will hold up just fine for those outdoor furniture projects.

PVA Extend

Franklin, the manufacturers of Titebond, has developed glue that has a longer open time than their regular PVA glue. This is a real advantage when assembling intricate parts. Open time is the amount of time that glue can be applied to wood without clamp pressure before it starts to degrade. PVA glue starts to form a link that can be disturbed by repositioning a piece after the open time has been exceeded and the molecular link will not re-establish itself resulting in a weak glue joint.

Urea-Formaldehyde

There are two different types of urea-formaldehyde, water activated and resin/catalyst. This type of glue is ideal for bent laminations and veneering. The glue is waterproof and dries to a very hard consistency resulting in no glue creep. Urea-formaldehyde is also gap filling and will provide structural strength for those less than perfect joints which is great for re-gluing those antique dining room chairs.

Epoxy

This glue has many of the same attributes as urea-formaldehyde with the added bonus that it will glue virtually anything together. Most epoxies are waterproof, shockproof and resistant to high temperatures. Expensive, but the ultimate glue when an absolute bond is needed. Epoxy is very good at structural gap filling and several fillers can be purchased to mix into epoxy such as phenolic micro balloons and wood flour (super fine sawdust).

Polyurethane

Strong and waterproof, polyurethane glue will create a very strong glue joint. Not gap filling, polyurethane requires tight joinery for best results. Typically has a short shelf life.

Cyanoacrylate

Waterproof and strong this glue's best use is for mending hairline cracks. The super low viscosity of the glue allows it to "follow" splits and cracks all the way to the end of the fracture. Woodturners find this glue a valuable asset saving many turnings that would be trash because of hidden fractures that surface as the piece is being turned. Every wood shop should have a bottle of this glue on the shelf. Jet and Hot Stuff are two brand names and it can be purchased at most hobby shops.



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Sauk Rapids - Rice Middle School

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Next Meeting:

**Wednesday, September 15th at 7:00 PM
 at Sauk Rapids - Rice Middle School**

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