

# Newsletter

June 2017

The CMWA is a group of men and women from around the St. Cloud, Minnesota area who share a common interest in the art and business of woodworking. We meet monthly and share information, techniques, and topics of interest in woodworking.

[www.thecmwa.com](http://www.thecmwa.com)

## Greetings Woodworker's Association

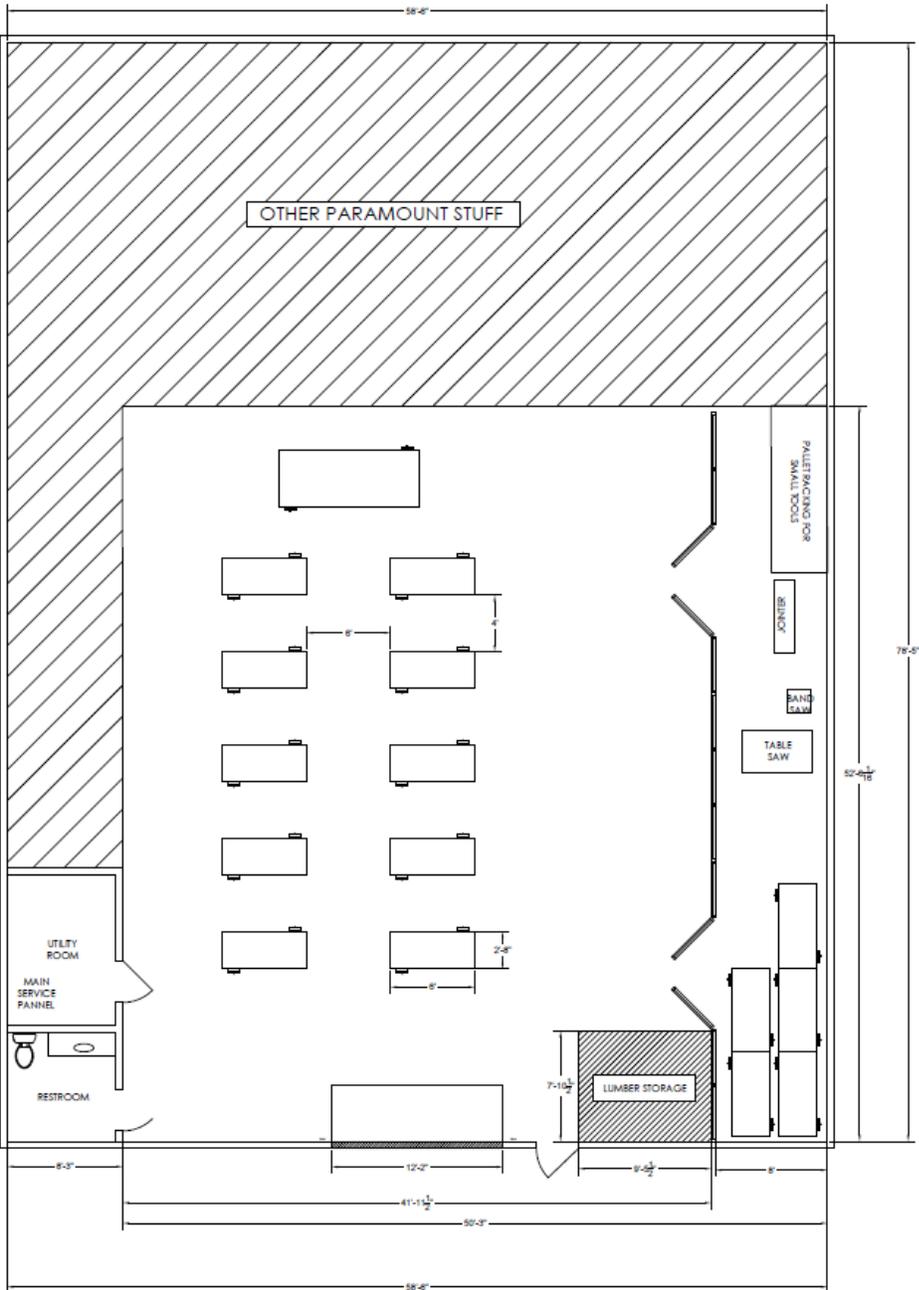
Thanks to all who attended the May meeting! The new shop has really been good for everyone. I can already see how much more hands-on presentations are and everybody's excitement. Let's keep this up! We have got a bit of work to do to make the space our own. By our July 19<sup>th</sup> Picnic (which will be held at the Tech Center) I would like to see the floor painted, containment complete, and a good start on the 10 workbenches. If any of you would like to volunteer please contact me at

[middcountry@gmail.com](mailto:middcountry@gmail.com).

The more help we can get, the better! To the right you will see an updated floor plan with all the actual measurements I took at the last meeting. I also updated it to reflect some changes in layout.

Our June meeting will be on the 21st and Don Peterson will be giving us a presentation on marquetry and veneering. I am sure many of you have seen some of the things Don has brought in for us; he does very nice work and it will be fun to see how he does it. Hope you all come ready to learn and make some sawdust!

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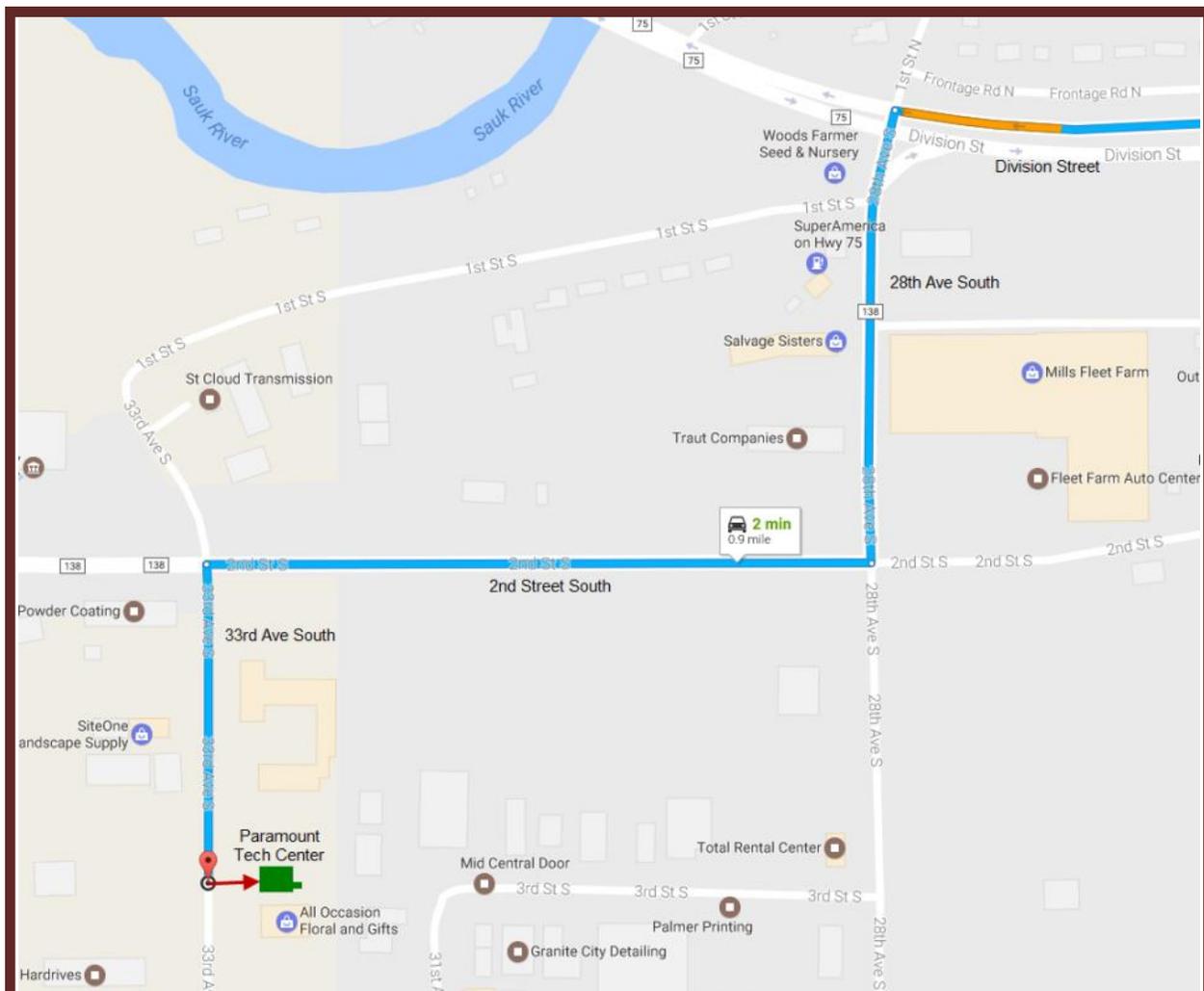


Another thing to keep in mind is that our \$20.00 Membership is due. Please give your payment to Kurt Zniwski, our Treasurer, and he can get you marked down for the year. When your payment is made you will receive your 2017 CMWA Membership Card. These cards are really handy, because there are many discounts available to members. See our [website](#) for more information.

Coming up on August 11th there is an Art Crawl at the Paramount from 3-9pm. We are still in search of a good topic for the presentations. If you know of something that would really stir people's interest in woodworking, please let the Board know. We are also looking for a volunteer to help us plan these events. It would be really helpful for us to have a "go to" person so there is less confusion. This can be a really fun event; our goal is to get people excited about woodworking and promote our club!

As always, please bring items for show & tell.

Devin Middendorf  
President, the CMWA



Because it is still a new location I have a map included for directions to the shop (it is near Mills Fleet Farm in Waite Park). Here is a link that brings you right to the [Tech Center](#).

## May Meeting

### Hollow Chisel Mortiser Presentation

Rollie Johnson did a presentation on set-up and use of a hollow chisel mortiser. He used a Powermatic PM701 as a demo unit.

- The chisel and bit are the key to successful mortises. The auger bit leads the chisel allowing the chisel to pare the corners of the mortise square.

Both the chisel and the bit need to be polished and sharp. One of the most common problems with hollow chisel mortising is the bit/chisel plugging up and not removing material from the mortise. Rollie recommends buying a good quality chisel. His preferred source is Charles GG Schmidt & Co. A 1/2" bit and chisel (Pictured to the left) cost \$69.85. You can find them on the internet here: [www.cggschmidt.com](http://www.cggschmidt.com).



- Chisel and bit prep

- Polish the 4 outside surfaces of the bit to remove any mill marks from the steel ending with a mirror finish. Rollie polishes to 1500 to 2000 grit. Don't remove material from the outside of the chisel surface with aggressive sharpening. It is important to maintain the size and square shape of the chisel.
- Clean out the inside of the chisel with a file to remove any burrs. Rollie used a chainsaw file. Be sure the slot opening in the side of the chisel is clean and free of burrs. A Dremel works well to remove any burrs.



Finally to sharpen the chisel you will need to use a cone type sharpening stone. There are diamond stones (pictured to the left) available from Rockler and several other sources but they are difficult to keep straight. Rollie recommends a sharpener made by Clico. Unfortunately Clico is no longer in business. The best second choice is available from Woodcraft (pictured to the left). You can find it here: [www.woodcraft.com](http://www.woodcraft.com). The advantage of this sharpener is the pins that align it with the chisel. This sharpener is best used by placing the chisel in a vise, chucking the sharpener into a brace, and giving it a couple turns. Remove any burr formed on the outside by polishing the outside surfaces again.

- The auger bit needs to be smooth and free of any burrs along its length. The lead point on the bit should be sharp to hold the bit in place as it drills. The cutting edge is sharpened by filing the beveled edge taking care to maintain the original angle and geometry of the edge. The spur scores the outside diameter of the hole. It should be sharpened on the inside edge only. Don't sharpen the outside because that will change the diameter of the leading edge of the bit.
- Spray coat the chisel and bit and polish with a dry coat product like "Blade Cote" from Bostik (Pictured to the right). This both protects the metal and lubricates it.



## Hollow Chisel Mortiser Presentation (continued)

- Placing the chisel and bit into the mortiser
- Wear a glove! The points of the chisel are very sharp. Insert the bit/chisel into the mortise chuck placing about a 1/8" spacer between the chisel and the collar on the mortise. Tighten the chuck on the bit, remove the spacer and push the chisel up until it bottoms, then tighten the chisel. It is very important to have the auger lead the chisel. Increase the spacing slightly for larger bits and decrease it slightly for smaller bits.
- Square the chisel to the fence by lowering the chisel and pulling the fence forward against the chisel with a block of wood in between. Loosen the chisel just enough to rotate it square, maintaining the gap between the auger bit and chisel set in the last step.
- Which way should the slot in the chisel face? You will find many opinions on this question. The most important consideration is that material clears easily out of the chisel. Every step we have taken so far aids in that. Orient the slot so it easy for you to keep the chips clean from your work area as you use the tool.
- Using the mortiser
- Set the depth stop to allow some room between the bottom of the mortise and the tenon. Adjust the hold down to allow extraction of the chisel but still allow horizontal movement of the workpiece. Drill the end holes for the mortice then drill holes between the two ends making sure that the chisel is supported by wood on both sides. The chisel will do a better job of cutting square if it is supported all around by wood. Go back and clean out the webs left between the initial holes. As you are drilling hole occasionally re-spray the chisel with blade guard.
- Rollie finished up the presentation by reviewing different types of mortise and tenon joints and the merits of each type.



## Upcoming events

We have a few opportunities coming up in addition to the events listed below in our remaining 2017 schedule.

- The July 19 annual picnic will be held at the Tech Center
- August 11, 3pm to 9pm Art Crawl in St Cloud
- September 9, 9am to 6pm. Build a Sea Chest with Mike Siemsen. This will be our first class at the Tech Center. There will be room for 10 participants. Cost will be \$165 and will include materials and lunch. This will be a hand tool oriented class. Sign up information will be published when it is available.

### 2017 Schedule:

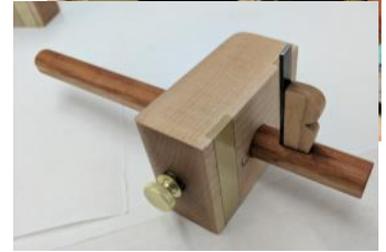
|            |  |
|------------|--|
| 6/21/2017  | Marquetry and Veneering, Don Peterson                        |
| 7/19/2017  | Yearly Picnic and a Topic                                    |
| 8/16/2017  | Panel Glue Up, Charlie Gunderson                             |
| 9/20/2017  | From Picture to Plan To Project, Shawn Jarvis and Mark Voigt |
| 10/18/2017 | Router Workshop  |
| 11/15/2017 | Safety, Mark Voigt   |
| 12/20/2017 | Potluck Party and Yearly Elections Round Table Discussion    |

## Made by Members

At the March meeting Don Wade shared a cherry table he made.



At the May meeting Don Peterson shared a marking gauge he made, based on plans in the most recent Fine Woodworking magazine



Here is a picture of Mark Voigt with the landing net he made at the April meeting.



Bring a project to share at the next meeting and we will cover it in an upcoming newsletter.

### 2017 CMWA Board:

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| Vice President     | Don Peterson                  | Director at Large (2 year term) | Shawn Jarvis   |
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| Meeting Hosts      | Eddie Och and Angelo Gambrino |                                 |                |



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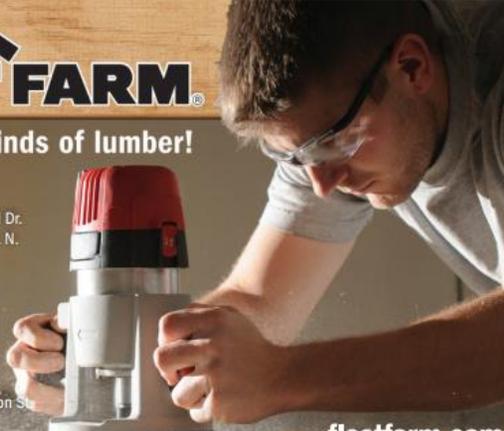
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