

Newsletter

September 2018

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

Greetings Woodworkers

It always seems that there is one event that marks the end of summer. For me that has always been the St. Rosa fall festival on Labor Day weekend. As kids this was always the last big thing we got to do before the start of school, and now as an adult it still has a little bit of that feel left for me. The festival has always been a lot of fun. Many of my relatives attend so it gives us a chance to get caught up again with the new things that are happening in their lives.

At our August meeting Rollie and Mark did an excellent job on the Router Workshop. Because the router is such a versatile tool in our shops there is so much to learn about them. I think that they gave us just enough to get started with the router in our shops. Another thing to note is that many of the principals of routing by hand also apply to CNC routing. If anyone is interested in learning more about CNC routing feel free to contact me; I can help you get started.

Our next meeting will be held on September 19th at 6pm. This month we will be taking a tour of Herbst Lumber Company in Milaca. Our plan is that we will meet at the Tech Center site at 6pm (one hour earlier than normal) and then carpool from there. It should be a lot of fun to see what they do there!

In October Merle Sykoa will be doing a presentation on design. To help make it more interesting and relatable he asked us to bring in some things that we have made. Then he will use those items as discussion points in his presentation. It is a few months away yet, but something to keep in mind.

As an effort to both reward our volunteers and help promote our paid classes we will now be recording the hours that you volunteer for the CMWA. We still need to work out the details with the Paramount. How it works is that your hours will be recorded and those hours will be assigned a value that can be cashed in on classes offered that you may want to take.

If you have a little something you recently made, please bring it in and tell us about it. We all can learn from each other and having a good conversation starter really spurs quite a bit of interest. You will also get some bragging rights and will be featured in our Made by Members section of our newsletter.

Devin Middendorf
President, the CMWA

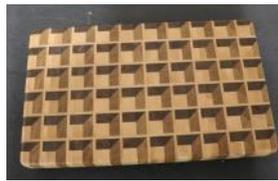


Made By Members

Lenny Merdan showed us a box made with wood from a Christmas tree and another box made with buckthorn wood.



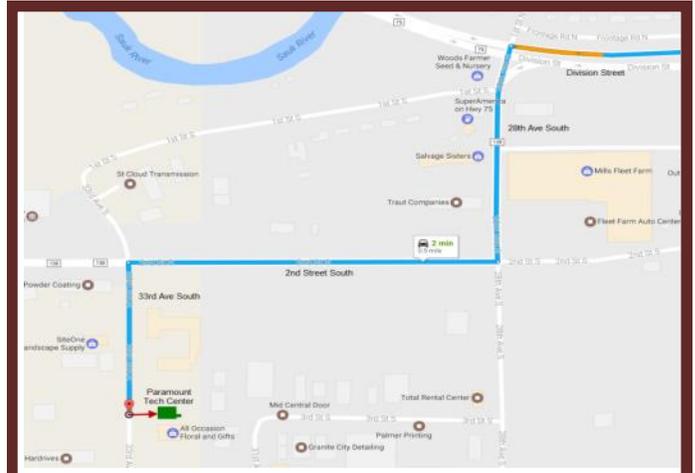
Randy Evans showed an end-grain cutting board made with a 3D design



Tim DuBois talked about the two steel bench bases he made for the CMWA. These benches are open underneath and are the correct height for a handicap accessible bench. This is a great addition to our other benches.



Where to find us



Tech center Address:

248 33rd Ave South
Waite Park, MN 56387

All meetings are now held at the Paramount Tech Center

Above is a map and the street address for the Tech Center. It is near Mills Fleet Farm in Waite Park.

Meeting Schedule 2018

All meetings held at the Paramount Tech Site Building. 248 - 33rd Ave So, Waite Park, MN 56387 unless otherwise noted.

- 9/19/2018 6p.m. Fieldtrip. To Herbst Lumber Company—See notes below
- 10/17/2018 7p.m. Design To Be Determined
- 11/15/2018 7p.m. Safety, Board Nominations Mark Voigt & Don Peterson
- 12/19/2018 7p.m. Potluck, Yearly Election, Auction, Roundtable discussion

Herbst Lumber Company specializes in hardwoods, kiln drying, and milling. We will plan to meet at the Tech Center at 6p.m. and carpool from there. Herbst Lumber is west of Milaca.

August Meeting

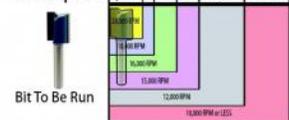
The August meeting presentation was on routers. Rollie Johnson spoke about the different types of routers, their application, and what bits to use with them. Mark Voigt gave a hands on demonstration of router use. He shared jigs that he uses and demonstrated the templates and methods used to make a bread box.

- Micro Router** A Dremel tool with a base. Both plunge and fixed bases are available to hold your Dremel tool for use as a router. These are commonly used for inlay and other fine work. Bases are manufactured by Micro Fence, Lee Valley, Stew Mac.
- Mini Router** Typical mini or small routers are usually 1 to 1-1/2 HP, and have 1/4 inch collets. They evolved from trim routers. The Bosch Colt and equivalent DeWalt are examples.
- Full Size Router** Full size routers are 1-3/4 to 2 to 3 hp. They are available in fixed and plunge base models and are widely used in router tables. A good choice is the [Bosch 12 Amp 2-1/4 HP Variable-Speed 1617EVS with 1/4-Inch and 1/2-Inch Collets](#). It provides good power at low RPM. Rollie suggests that we don't really need a 3 HP router. A 1-1/2 to 1-3/4 HP is more than adequate especially when taking multiple passes.
- Collet** When using a standard collet be careful not to bottom the bit in the collet. Some room is required to provide a firm grip on the bit. An alternative to the standard collet is a Muscle Chuck. Bits are tightened into this holder with a 5mm allen wrench and the bits can be placed completely into the holder in exactly the same position every time. The bits also release easily out of the Muscle Chuck compared to a standard collet.
- Bits** Whenever possible use bits with a 1/2 inch shank. You will experience less vibration. The most useful bit in the shop is the pattern bit with a bearing on top to follow a pattern or template. A flush trim bit is similar but has the bearing at the end of the bit. Carbide, spiral cut bits are some of the best available today. They are available with 3 different cuts. The upcut, like a drill bit, pulls material up potentially leaving a little fuzz at the top of the cut. The downcut pushes material down leaving a clean edge. These are not good for deep cuts. The Combo or compression bit cuts both ways. The spiral bits are available with bearings top, bottom, or both. Large bits require slower speed on the router, small bits a higher speed. See the chart to the right. Bit manufacturers include CMT, Bosch, and Whiteside. Rollie suggested Whiteside bits as the best available now.
- Direction of the cut** It is best to cut against the rotation of the bit. Cutting with the bit rotation is called "climb cutting". It is difficult to control the router when climb cutting. If you need to do it take light passes only.



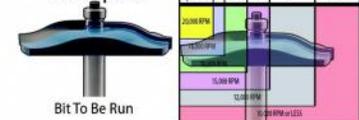
In order to maintain a safe woodworking environment it is necessary to adjust the speed of your router to accommodate the size and design of the router bit. This speed chart has been designed as a quick reference of recommended speeds based on bit diameter. Remember these are a recommendation only and some bit types or profiles may require slower speeds. Slower operation will often produce a cleaner cut with less burning and tear out while extending the life of the bit.

Example 1



Using the scale this bit falls in the yellow zone. The bit diameter is less than 3/4" and can be run up to 22,000 RPM.

Example 2



This bit falls in the red zone. The bit diameter is greater than 3" and should be run LESS than 10,000 RPM.

The router presentation continued with Mark Voigt demonstrating some of the jigs and patterns he uses.



Dado jig. For through and stopped dados. Mark has several dado jigs of various lengths.



Sled for use on the router table. Allows you to safely hold and cut parts of different sizes.



A small fence attached directly to the router base

Mark demonstrated a stopped dado and the roll top track dado for a bread box similar to the one pictured to the left. He used the dado jig for the stopped dado and a template for the roll top track.



2018 CMWA Board:

President	Devin Middendorf	Director at Large (2 year term)	Mike Ross
Vice President	Don Peterson	Director at Large (2 year term)	Shawn Jarvis
Secretary	Tim DuBois	Director at Large (1 year term)	Rollie Johnson
Treasurer	Kurt Zniewski	Director at Large (1 year term)	Mark Voigt
Marketing Director	Mike Ross		
Website Manager	Darren McKeever		
Librarians	Eddie Och		
Meeting Hosts	Eddie Och and Angelo Gambrino		

Class and Event Schedule Page 5,6,7

Registration is open for classes listed on the Paramount web site. If you follow the link below you will be on a page that lists all upcoming Paramount classes organized by month.

<http://www.paramountarts.org/classes/>

All classes are held at the Paramount Tech Site Building. 248 - 33rd Ave So, Waite Park, MN 56387.

Bandsawn Boxes

Instructor—Michael Cullen

Tuition: **\$400.00** (includes all materials and lunch)

Experience Level: Intermediate, some prior experience preferred

September 17 through 21, 2018, 5 days, 9am to 5pm

Paramount Tech Site
248 33rd Avenue South
Waite Park, MN 56387

Note the reduced price on this class.



In this class Michael will take students through all the steps to build bandsawn boxes. They are quick to make, requiring little measuring or joinery. We will be shaping and sculpting pieces to create pleasing curves and unusual shapes. Then we will spend time on surface treatments and finishes, including carving patterns and applying color. This is a hands on class open to all levels.

Visit the link below to sign up :

https://paramountarts.secure.force.com/ticket/#sections_a0F1N00000pOtaDUAS

Read about Michael and see more of his work at <http://www.michaelcullendesign.com/>

Introduction to Woodworking

October 2, October 9, October 16, 2018, 6pm to 9pm

Techcenter, Waite Park

Instructor—Mark Voigt

Fee: \$125

Dive into the world of woodworking in this introductory level workshop, where students will build a keepsake box over the course of three lessons. The box will feature miter joints and a lift off lid. Constructing the box will provide an application of lessons on shop and machine safety, machine operation, wood selection, joinery, gluing and clamping, and finishing.

Visit the link below to sign up:

https://paramountarts.secure.force.com/ticket/#sections_a0F1N00000pOtyrUAC



Computer Numerical Control (CNC) with George Vondriska

Instructor—George Vondriska

Tuition: \$150.00

Experience Level: Beginner, no prior experience necessary

Saturday, November 3, 9am to 4pm

Paramount Tech Site
248 33rd Avenue South
Waite Park, MN 56387



Wondering if CNC woodworking is for you? This class will answer that question. You'll see what it takes to use VCarve Pro software to create designs and toolpaths, and how to set up the CNC router to make your cuts. Already own a CNC? You'll benefit from George's tips and tricks on the VCarve and machine use.

Visit the link below to sign up :

https://paramountarts.secure.force.com/ticket/#sections_a0F1N00000pOu0VUAS

Marquetry with a scroll saw

Friday, Saturday, Sunday 11/16—11/18, 9am to 4pm

Techcenter, Waite Park

Instructor—Joe Morgan

Fee: \$250

Learn the fine art of marquetry by creating beautiful images with wood veneers.

This class will focus on the packet-cutting method and will include discussion on designing your own patterns, veneer and substrate selection, sand shading, pressing, repairing damaged veneer and working with burls, highly figured and brittle veneers.

Visit the link below to sign up:

https://paramountarts.secure.force.com/ticket/#sections_a0F1N00000pOu1TUAS



Basic Inlay with Don Peterson

Saturday, December 1, 10am to 4pm

Tech Center, Waite Park

Instructor—Don Peterson

Fee: \$75

The class will consist of a straight “border” type in-lay in the corner of a board and a 5-point star in the middle of the board (the star and border will be provided). The focus will be on hand work but some routing will be done for the bulk of the excavation.

https://paramountarts.secure.force.com/ticket/#sections_a0F1N00000pOu1xUAC



Tool Making Workshop with Mike Siemsen

Saturday and Sunday, January 19-20, 9am to 4pm

Tech Center, Waite Park

Instructor—Mike Siemsen

Fee: \$225

We will be making a traditional double screw vise as shown in Randal Holme and Moxon. Also a mallet, a marking gauge, and a marking knife. You will use hand tools to make these four very useful items for your shop and gain the ability to make more of them as needed.

Visit the link below to sign up:

https://paramountarts.secure.force.com/ticket/#sections_a0F1N00000pPM6nUAG



Beyond the Basics of Woodworking with Mark Voigt

Tuesdays February 12– 26, , 6pm to 9pm

Techcenter, Waite Park

Instructor—Mark Voigt

Fee: \$125

Get ready for spring and warm sunshine by building your own cedar Adirondack style lawn chair. Participants should have basic woodworking skills and will develop more advanced skills during the class. Visit the link below to sign up:

https://paramountarts.secure.force.com/ticket/#sections_a0F1N00000pPND5UAG

Lie Nielsen Hand Tool Event

March 15, 2019, 10am to 6pm

March 16, 2019, 10am to 5pm

Tech Center, Waite Park

Fee: \$FREE

Lie-Nielsen Toolworks Returning to St. Cloud, MN



Woodworking Hand Tool Event with Central Minnesota Woodworker's Association

Lie-Nielsen Toolworks(R), the premier US manufacturer of heirloom quality woodworking tools, is bringing its popular Hand Tool Event(R) to St. Cloud, MN on March 15-16, 2019 with the Central Minnesota Woodworker's Association. This event is part of the company's ongoing international program to expose woodworkers of all ages and skill levels to the benefits of traditional hand tools and techniques, and is a rare opportunity for the public to receive first-hand instruction directly from the toolmakers.

Lie-Nielsen Toolworks makes heirloom quality, woodworking hand tools in Warren, Maine, and takes pride in providing exceptional support to their customers. Lie-Nielsen Hand Tool Events travel to cities around the country to promote woodworking education in the use of hand tools. Lie-Nielsen also offers weekend workshops, instructional videos, and encourages visitors to tour their showroom and shop in Maine. For more information about this event, please contact Jared Patch at (800) 327-2520, email marketing@lie-nielsen.com, or visit www.lie-nielsen.com/hand-tool-events

Embellishments with Mark Laub

Instructor—Mark Laub

Tuition: \$175.00

Experience Level: Beginner, no prior experience necessary

Saturday , April 6, 9am to 4pm

Paramount Tech Site

248 33rd Avenue South

Waite Park, MN 56387

Mark Laub, a professional wood artist, is nationally known for his distinctive, meticulously detailed furniture. Learn his approach to creative furniture design and share his secrets to exceptional woodworking embellishment. Mark's knowledge and creativity, combined with his friendly and supportive coaching style, will help you add your personal signature to your woodworking pieces. Ample hands-on opportunity will be provided in addition to lecture and demos.

Visit the link below to sign up :

https://paramountarts.secure.force.com/ticket/#sections_a0F1N00000pPNNfUAO

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