

# EASTERN MICHIGAN WOODWORKERS

VOLUME 28 NUMBER 06

Feb 11th, 2014

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The Dec 10th meeting will be held at the Buffey Elementary beginning at 7:00PM.  
4235 Crosby Road, Flint, MI 48506 If you arrive late and the doors are locked, walk around to the Gym in the back and knock on the doors, if they are not open.

*Directions: Buffey Elementary School is located off Genesee Road between Richfield and Carpenter roads. Turn west off of Genesee on Crosby Road. Buffey Elementary is on the north side of the road.*

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## Upcoming meetings

### Feb 11: Shop Safety and Election of Officers

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**Feb 11th Election of officers and shop safety:** A Shop Safety video will be shown after the election. There is still time for you to enter your own name and run for office.

**Woodworking Show:** Detroit Michigan February 14-15 only, at Suburban Collection Showplace, 46100 Grand River Avenue, Novi, MI 48374.

Ticket info @ [www.thewoodworkingshows.com](http://www.thewoodworkingshows.com)

**SketchUp:** There is a large collection of free drawing at <http://sketchup.google.com/3dwarehouse/>

**Clothing Donations:** Buffey School has 2 rooms of clothes to display and are need donations of all sizes and ages including adults.

**Dues:** Your dues are really a bargain. In 1980 times, our EMW dues would be equal to only \$5.31, but due to inflation we pay \$15.00. If you missed paying your dues, please do so right away.

MAIL TO: **Dennis Ackerman, 4470 Branch Rd., Flint, MI 48506.**

**Email Address?:** If you have a new email address, or now can switch, from the mailed newsletter, to the email version, of the newsletter, to save the club money. Please email it to [dcbare@comcast.net](mailto:dcbare@comcast.net)

**Our Librarians:** We are delighted to have Duane and Ann Whitman as our Librarians. The books are at Buffey, in cases, with attached wheels and brought into the meeting room to be viewed, or checked out each night.

**All Newsletters are located at:** <http://emw/djwws.com>

**A Special Thanks:** Arnold Wagner was assisting me with my marking knife at Gene Munsell's class. He noticed I was having difficulty with my arms, because of my fall. He said, "Let me show you how." and continued until it was done. Thank you Arnold. It's acts of kindness like this that make EMW a great club.

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**Gene Munsell can weld band saw blades**

**E & L Hardwoods**

5365 Gary Rd.  
Chesaning, MI 48616.  
For directions call 989-845-2457.

Will give EMW members a 10% discount. Just show your EMW membership card.

**Eastern Michigan Woodworkers  
Newsletter**

Is published once a month by Eastern Michigan Woodworkers, located in Genesee County Michigan.  
We meet the second Tuesday of the month at Buffy School in the Kearsley School District.

**You may contact us at:**  
EMW  
6295 Flushing Rd  
Flint MI 48433-2546  
dcbare@comcast.net

**A SAFETY NOTE**

For all hands on meetings and classes you will need to bring your own safety glasses and ear plugs.

**EMW LIBRARY**

Remember that the EMW Library has many books, plans, magazines, and VHS tapes. Check with Duane or Ann Whitman before you spend your hard earned money



Will give EMW members a 10% discount. Just show your EMW membership card  
Make sure they record your purchase in their binder for us.

President	Gene Munsell	810.686.2182
V-President	Arnold Wagner	810.659-5402
Treasurer	Dennis Ackerman	810.736.4726
Sec/Editor	Dan Bare	810.240.4192
Librarians	Ann & Duane Whitman	810.631.6339
Past President	Dave McGregor	810.736.4956
Pres Emeritus	Don Ackerman	810.736.7642

**DEMOTT TOOL AND SAW  
SHARPENING AND REPAIR**

Eric Johnson is the owner and operator of located at 1919 N Lapeer Rd., Lapeer 48446. Phone 810.667.2005. (Located, in the back, of Lapeer Awning and Window.

**Graphics Galore** (the hat and t-shirt guy) is located at Genesee MI. If you are interested in getting a hat or t-shirt, you can stop by and pick the style of hat and shirt. They have the EMW logo on file.

**NELSON'S WOOD PRODUCTS**

**4375 W. OREGON ROAD  
LAPEER, MICHIGAN 48446  
(810) 664-6091**

Will give EMW members a 10% discount. Just show your membership card

**Buy or Sell**

Remember if you are looking for something to buy or sell or have some info for the newsletter, contact Dan Bare dcbare@comcast.net or 6295 Flushing Rd., Flushing, MI 48433

A Review of  
**“A Basic Layout Kit” by Fine Woodworking author Horst J. Meister**  
December 1996

Reviewed by Dan Bare

When Horst Meister was only 15 he made one of his first woodworking projects. It was a little sewing cabinet for his Mother's birthday. He locked himself in the garage with a generous supply of redwood boards, a bent aluminum yardstick, a box of dowels, glue and 3 Snickers candy bars.

The finished project fell short of his expectations. His father believed that square corners were desirable and gave him a try square for his 16<sup>th</sup> birthday. His woodworking projects, soon progressed, to the point that people other than his mother liked them.

Mr. Meister says that a good try square, ruler and marking knife are the fundamental layout tools that a serious woodworker cannot get along without. Add to the above, a marking gauge or mortising gauge, protractor, bevel gauge, set of dividers, trammels.

Spend the money because good-quality layout tools will last a lifetime and that flawed measurements will plague you forever.

### **Layout Kit**

**Try Square or Engineers Square with a 12” blade:** A try square's handle is about 80% of the blade. Most 12” blade Engineers squares are guaranteed to be square to 0.0025 in. or less. U.S., English, German or Japanese squares are better than Chinese according to Meister.

**Accurate Medal Rule:** A set, consisting of 6”, 18” and 36” with fractional graduations, will handle most measurement tasks. Some good stainless steel brands are Starrett, Rabone Chesterman Brown & Sharpe, and Mitutoyo rulers have finely cut graduations accurate to within a few thousandths per foot.

**Marking Knife – not a pencil:** Pencil lines are too thick for accurate layout work. The line should be deep enough to see, yet light enough to keep it from following the grain in the wood. If it will be marking on an exposed surface then use a carpenter's pencil sharpened to a chisel point. Awl marks tend to be fuzzy on follow the grain in soft wood.

**Marking gauges:** All marking gauges work on the same principle. They can have either metal pin or blades or even metal disks to do the marking. Blades and disks do a better job. You can carefully sharpen your pin to an elliptical shape to make it more accurate. He prefers a cutting disk with the disk being about the size of a dime.

**Mortising gauge:** A Mortising gauge is simply a marking gauge with two independent cutters. The two cutters outline the width of the mortise with one stroke of the gauge.

**A bevel gauge or protractor for angles:** A protractor is used to measure or determine angles. It has a dial scale calibrated in degrees and a arm that pivots on the center point. A protractor can be set to any angle in its range. A good machinist combination square set comes with a protractor that has a vernier caliper that allows you to measure angles as small as ¼ degree. A bevel gauge is the preferred tool for checking, comparing and transferring angles.

**Dividers and trammels or circles and arcs:** Dividers are used for scribing small circles and arcs. The best dividers have a joint tensioned with a bow spring and a fine-pitch adjusting screw. Sharpen one of the divider points to a sharp needle to use as the axis to pivot from. Sharpen the other point to an oval knife shape, as on the marking gauge with the flat side of the knife shape at right angles to the main axis of the dividers and it will cut an arc as cleanly as a marking knife.

A trammel is nothing more than two sharp points mounted in heads that slide on to a long beam. The trammel's great advantage over dividers is that the radius of the circles it can draw is limited only by the length of the beam.

They can be used to lay out complex geometric shapes with a high degree of accuracy. To lay out a hexagon, for example, you can do it with dividers. Just draw a circle with the desired radius, and without change the setting of the pints, step the dividers around the circumference to divide it into six equal parts. Then connect the intersection marks with straight lines. You now have a good hexagon.

The marking knife shown in the above Fine Woodworking article looked exactly like the one made in Gene Munsell's class. They sell for around \$30 on the internet.

<http://www.garrettwade.com> has Engineers Square 9" #39N04.02 for \$22.50

**Eastern Michigan Woodworkers  
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