

EASTERN MICHIGAN WOODWORKERS

VOLUME 29 NUMBER 01

Sept 9th, 2014

The Sept 9th meeting will be held at the Buffy 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.

Upcoming meetings

September 9th:	Uses of different squares & uses of types of glue - Dennis Ackerman and Dust collectors & air filters - Larry Sills
October 14th:	Hand held mirrors - Ken Herriman & Arnold Wagner
November 11th:	Small Squares - Gene Munsell
December 9th:	Toys! Toys! Toys! - Everyone
January 13th:	1-2-3 blocks - Arnold Wagner & Gene Munsell
February 10th:	Elections, and Cambridge legs - Don Ackerman
March 10th:	To be announced by August Nuyens
April 14th:	Demonstrate jigs & fixtures - Larry Sills & Jim Carsten
May 12th:	tune band saw & make knobs -
June 6th:	Annual Picnic

Classes: In this newsletter, is a list of classes, that you signed up for. Keep this list and highlight your name on the list and also put it on your annual calendar with your doctor appointments and important stuff. The classes are locked, except for new members joining EMW. I hope you signed up for a class so you don't have to sit and watch TV all winter, get bored, depressed and then do something foolish.

Because of size of woodshops, there is a set limit on number, of persons in the class, so we have to divide a class into two or more groups, meeting on different days. We need to know in advance for planning.

Classes are free for EMW members, all you have to do is furnish, your own materials or pay a fee for materials that you use.

New Class, it has been suggested that we add a new class for members. This class would teach the process, of how to make, toys for Christmas. It would teach how to pick a design and safely build it. What you should use for finish and how to apply the finish. Then you would make a toy. or several toys. It could even turn into a production line, where members help members make toys for children at Christmas.

It could even turn into a permanent class, like other woodworking club's have, just to make toys and gifts for others.

What to you think? Please let us know at the meeting.

Roster: If you didn't get your Roster at the last meeting, I will have a limited amount at the meeting.

Dues: Dues are due. At the meeting, Please have correct amount (\$15) for Denny to make his job easier.

Dennis Ackerman, 4470 Branch Rd., Flint, MI 48506.

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

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**

Our Librarians: Duane and Ann Whitman are our Librarians. The books are located at Buffey, in cases, with attached wheels and are brought into the meeting room to be viewed, or checked out at every meeting..

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.

**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.

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

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 you 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

Classes for 2014 - 2015

BEGINNERS LATHE CLASS - (limit 8)

KEN HERRIMAN & JIM CARSTEN

ARNOLD WAGNER 659-5402
ROSS TRINKA 659-8270
JOYCE JONES 240-3778
ROBIN BRABBS 336-4781
TOM RAYSIN 744-0057
LARRY WING 687-0159
BILL GUTH 736-8937 or 869-4678
LARRY SILLS 635-3784

ALTERNATES

TERRI HAMMOND 287-1388
ANN WHITMAN 631-6339
DUANE WHITMAN 631-6339
DAN BARE 240-4192

CIRCLE & OVAL ROUTER JIG

JIM CARSTEN & LARRY SILLS

TOM RAYSIN 744-0057
CLIF SHARP 780-6631
BILL GOODFELLOW 287-1673
MARTIN DINGMAN 341-4692
LARRY WING 687-0159
ROSS TRNKA 659-8270
BILL WENDLING 638-5796
BILL GUTH 869-4678
KEN HERRIMAN 686-6613
TERRI HAMMOND 287-1388
ARNOLD WAGNER 659-5402
JIMMY GRAVES 606-8574
JOHNNIE SUE PETRICH 919-6707
TERRY KOCZENASZ 635-9336
MARC A. PETERSON 744-3197
RODNEY LAURIN 687-5478

CLOCK CLASS

ARNOLD WAGNER

JIM CARSTEN 232-4685
ANN WHITMAN 631-6339
DUANE WHITMAN 631-6339
B VanWOUDENBERG 736-2876
JOYCE JONES 240-3778
BILL GOODFELLOW 287-1673
RODNEY LAURIN 687-5478
MARTIN DINGMAN 341-4692
KEN HERRIMAN 686-6613
ROSS TRNKA 659-8270
TERRI HAMMOND 287-1388
BOB GLASER 656-3988
JOHNNIE SUE PETRICH 919-6707
JUAN V. HERNANDEZ 785-2403

COMPOST BINS

TERRI HAMMOND

BILL GOODFELLOW 287-1673
JOHNNIE SUE PETRICH 919-6707

DECK FLOWER BOXES

TERRI HAMMOND

JOYCE JONES 240-3778
ROBIN BRABBS 336-4781
RODNEY LAURIN 687-5478
MARTIN DINGMAN 341-4692
BILL WENDLING 638-5796
ROSS TRNKA 659-8270
BILL GOODFELLOW 287-1673
MARC A. PETERSON 744-3197
JIMMY GRAVES 606-8574

FOLDING END TABLE

GENE MUNSSELL

TOM RAYSIN 744-0057
ROSS TRNKA 659-8270
JOYCE JONES 240-3778
TERRI HAMMOND 287-1388
JIMMY GRAVES 606-8574
JOHNNIE SUE PETRICH 919-6707
TERRY KOCZENASZ 635-9336
BOB GLASER 656-3988
JUAN J. HERNANDEZ 785-2403
MARC A. PETERSON 744-3197

JIG FOR CUTTING SPLINES

JIM CARSTEN & LARRY SILLS

ROBIN BRABBS 336-4781
CLIF SHARP 250-6631
TOM RAYSIN 744-0057
RODNEY LAURIN 687-5478
BILL WENDLING 638-5796
ROSS TRNKA 659-8270
BILL GUTH 869-4678
MARTIN DINGMAN 341-4692
BOB GLASER 656-3988
MARC A PETERSON 744-3197
JIMMY GRAVES 606-8574

PICTURE FRAME CLASS

ARNOLD WAGNER

BILL WENDLING 638-5796
ROBIN BRABBS 336-4781
RODNEY LAURIN 687-5478
MARTIN DINGMAN 341-4692
ROSS TRNKA 659-8270
CURT MOORE 743-9955
JUAN V. HERNANDEZ 785-2403
BOB GLASER 656-3988
JIMMY GRAVES 606-8574

PORTUGESE TABLE

ARNOLD WAGNER

BILL GOODFELLOW	287-1673
TOM RAYSIN	744-0057
ROBIN BRABBS	336-4781
RODNEY LAURIN	687-5478
MARTIN DINGMAN	341-4692
ROSS TRNKA	659-8270
TERRI HAMMOND	287-1388
LARRY WING	687-0159
TERRY KOCZENASZ	635-9336
JOHNNIE SUE PETRICH	919-6707
JUAN V. HERNANDEZ	785-2403
BOB GLASER	656-3988
TERRY MAATA	744-0700
JIMMY GRAVES	606-8574

ROUTER TABLE

JIM CARSTEN & KEN HERRIMAN

TOM RAYSIN	744-0057
MARTIN DINGMAN	341-4692
LARRY WING	687-0159
BILL GUITH	869-4678
GENE MUNSELL	240-3710
ROSS TRNKA	659-8270
JOHNNIE SUE PETRICH	919-6707
MARC A. PETERSON	744-3197
RODNEY LAURIN	687-5478

SHELF & COAT RACK

JOHNNIE SUE PETRICH & JUAN HERNANDEZ

BILL GOODFELLOW	287-1673
ROSS TRNKA	659-8270
TERRI HAMMOND	287-1388
BOB GLASER	656-3988

SKETCHUP CLASS

RUSS GENERES

ROBIN BRABBS	336-4781
CLIF SHARP	280-6631
TOM RAYSIN	744-0057
LARRY WING	686-0159
BILL GOODFELLOW	287-1673
DAN BARE	240-4192
JOHNNIE SUE PETRICH	919-6707
TERRY KOCZENASZ	635-9336
BOB GLASER	656-3988
CURT MOORE	743-9955
BILL GUITH	869-4678

STAIN GLASS CLASS - (limit 6)

ARNOLD WAGNER

JOYCE JONES	240-3778
LARRY WING	687-0159
ROSS TRNKA	659-8270
DAN BARE	240-4192
RODNEY LAURIN	687-5478
JIMMY GRAVES	606-8574

TOOL TOTE

KEN HERRIMAN

LARRY WING	687-0159
RODNEY LAURIN	687-5478
MARTIN DINGMAN	341-4692
ROSS TRNKA	659-8270
DAN BARE	240-4192
JIMMY GRAVES	606-8574
BOB GLASER	656-3988
JOHNNIE SUE PETRICH	919-6707
RALPH DUNTON	742-6544
JUAN HERNANDEZ	785-2403
TERRY KOCZENASZ	635-9336
BILL GUITH	869-4678

HOW TO TUNE UP:

TABLE SAW, THICKNESS PLANNER, JOINTER
DAVID T. McGREGOR

RODNEY LAURIN	687-5478
BILL WENDLING	638-5796
BOB GLASER	656-3988
JUAN V. HERNANDEZ	785-2403
ROSS TRNKA	659-8270
MARC A. PETERSON	744-3197

WINDSOR STICK BACK CHAIR

GENE MUNSELL

JIM CARSTEN	232-4685
TOM RAYSIN	744-0057
DAN BARE	240-4192
LARRY WING	687-0159
ROSS TRNKA	659-8270
TERRY KOCZENASZ	635-9336

From Canadian Woodworking and Home Improvement

By HENDRIK VARJU

PVA Glue - The All Purpose Glue

Polyvinyl acetate (PVA) is, by far, the glue most frequently used in woodworking shops. These are the common white and yellow wood glues, and should form the staple of your glue inventory. There are three general types of PVA glues: white, yellow and cross link.

White and Yellow

White and yellow PVA glues are simple to use. No mixing required – just apply, clamp, and allow to set. Open assembly time (how much time you have before the glue sets up) is short - about 3 to 5 minutes for white glue, and 5 to 6 minutes for yellow. (Note: these times are somewhat lower than specified by manufacturers, but they reflect my experience. The environment in which I typically glue up is 68F and 50% relative humidity). Yellow glue has a higher tack level than white glue, making it easier to keep parts aligned before applying clamps ('tack' refers to the initial grab or stickiness of the glue before pressure is applied). Yellow glue is also easier to sand than white glue.

PVAs have little or no gap-filling ability, so joinery must be good. They bond within the structure of the wood, not on top, so it's impossible to "starve" a joint unless you don't apply enough glue to penetrate into the cell structure on both sides. You can clamp tightly down to a zero-thickness glue line – in fact, I recommend it. Some yellow glues dry transparent and others dry amber, while white glue dries clear. Both clean up with water. If you don't use a lot of glue, buy it in small (half liter) quantities, particularly for yellow glue, which has a 1 year shelf life. White glue has a longer shelf life of 2 to 3 years.

I prefer yellow PVA for over 90% of my gluing. It is an easy-to-use water-based glue that is inexpensive and works well. Clamp for a minimum of 30 minutes (I prefer two hours or so), and don't stress the joint for 24 hours.

There are variations of PVA glues that offer water resistance, slight gap-filling ability and slower set times.

Cross-Linking PVA

Regular white and yellow PVA is not designed for outdoor use and won't resist moisture. For projects that will be subjected to high humidity, or even occasional surface wetting such as patio tables, one part cross-linking PVA is available, such as Titebond II. In general these are referred to as 'Type II' glues. These are a little more expensive than ordinary PVAs. Cross-link glue has a 5 to 10 minute open time and requires about 1 hour clamp time. They dry dark, like yellow PVA, and have a 1 year shelf life. Clean up with water.

Cross-linking PVA is not for complete water submersion – for that, see epoxy glue below.

High Solids PVA

High solids PVAs include Lee Valley's 2002 GF Cabinetmaker's Glue, which I regularly use, and Titebond III. These apply like regular PVA but offer longer open time and require just slightly more clamping time. Open time will vary from about 10 to 20 minutes, which is a great help for difficult glue-ups like large table tops, or carcass assembly. Clamp time for the Lee Valley glue is around 60 minutes, and 30 minutes for Titebond III. Both clean up with water, and dry light brown.

The high solids content (45% for Lee Valley and 52% for Titebond III) also provides some gap-filling ability. Still, this is no reason to let your joinery get sloppy and count on the glue to save you. Slight gap-filling ability is nice, but learn to make your joinery tighter. Where true gap-filling ability is required, use epoxy glue.

PVA glue bonds chemically within the cell structure of the wood. You'll hear about 'glue-starved' joints where joints fail because of too little glue, but this is misleading. Glue-starved joints happen when there isn't enough glue to sufficiently wet both sides of the joint. Glue must penetrate the wood cells on both sides before it can chemically join the two parts. However, there is no requirement for excess glue to remain in between the parts. In fact, PVA glue bonds better with no glue thickness between the layers! You need good wood-to-wood contact and, preferably, a zero glue-line thickness. When using PVA glues there is no such thing as too many clamps and/or too much pressure.

Epoxy glue, on the other hand, bonds on top of the wood, not within the cell structure. It requires some glue-line thickness for proper strength. Instructions from some epoxy manufacturers suggest an ideal glue-line thickness of .003" and warning that over clamping will squeeze out too much glue and fail to achieve an optimal bond. So over clamping is a real possibility with epoxy.

Wood Magazine - Toy Plans: If you are done with any of the following issues of Wood magazine and are not keeping it for your own library, please donate them to EMW instead of tossing them in the trash. If you want to download the plans, you can go to www.woodmagazine.com/cgtoys for \$5.95 each. For some of the plans you can also order kits, with wheels and other parts for additional costs.

Backhoe Loader Woodworking Plan,..... featured in the ...	July 2014
Concrete Truck Woodworking Plan ,..... featured in the ...	March 2014
End Loader Woodworking Plan, featured in the ..	November 2013
Scraper Woodworking Plan, featured in the ...	July 2013
Dump Truck Woodworking Plan, featured in the ...	November 2012
Skid Loader Woodworking Plan, featured in the ...	May 2012
Motor Grader Woodworking Plan, featured in the ...	November 2011
Tractor/Trailer Woodworking Plan, featured in the ...	July 2011
Excavator Woodworking Plan, featured in the ...	November 2009
Bulldozer Woodworking Plan, featured in the ...	September 2010
Mobile Crane Woodworking Plan, featured in the ...	September 2008.

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