



# NEWSLETTER

## January 2025

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*"The MakerBarn is a member-driven family-friendly makerspace that exists to provide a place for our members to envision, design, and realize creative projects. We are dedicated to building a creative maker community among our membership and the community at large."*

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## *MakerBarn says "Happy New Year"!*

Happy New Year! There was quite a bit of activity in the Shop and Lab leading into the holidays. I trust your family and friends were wowed by your Homemade for the Holidays gifts! A gift from your heart and your hands is sure to be appreciated and treasured.

Here's a New Year's resolution/challenge for you. Commit to learning at least three new things that are offered at The MakerBarn this year. Do a deep dive with YouTube videos, learning about the machine or process. Make a project. Write down your goals and feel the satisfaction of checking them off throughout the year.

If you would like to offer a demo or class to members, please reach out to anyone on the Executive Committee and we'll do our best to help you make it happen.

Happy Making!



**Kathy Barbieri**  
President



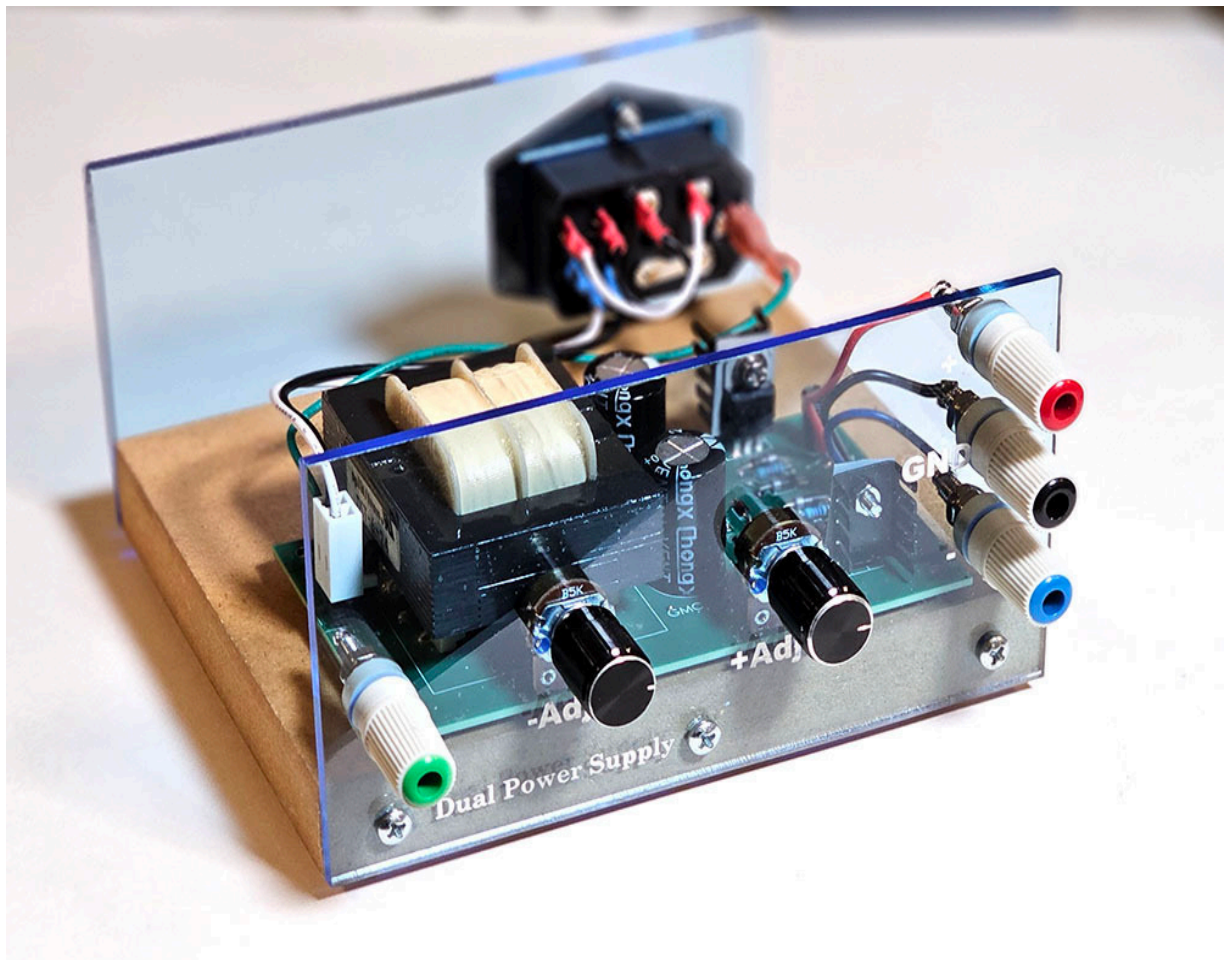
## *Electronics Special Interest Group Begins Wednesdays*

In December we started an Electronics Special Interest Group (SIG). We meet in the new training room Suite 102B on Wednesday evenings. If you are interested in doing and learning electronics, join us on the Electronics channel on Slack.

In December we explored the famous LM555 programmable timer IC. This device has been around for a long time because it is so versatile. We have also studied the design of a dual output power supply of our design. For all who wanted to build their own, kits were assembled.

On January 8th we will review progress made on the kits and learn how to operate the digital oscilloscopes we have at The MakerBarn. We have six Hantek 100MHz digital oscilloscopes. This will be a hands-on experience learning to use the scope to examine a special training circuit of our own design. Everyone who is interested in learning how to use a digital oscilloscope should plan to attend.

George



## *Laser SIG*



Our area manager of Laser Printing, Greg Radliff will host a Laser SIG (Special Interest Group) to begin meeting at the Lab **on the 3rd Thursday of the month.**

Anyone interested in talking about and sharing tips and tricks on laser cutters is welcome. Bring your projects for show and tell.

The next gathering will be **January 16th at 7:00pm** until the discussions end.

## *Are you Manager Material?*

The MakerBarn runs on volunteers. If you have been an active member for two months or more, we would like you to consider becoming a Shop MakerBarn Manager.

MakerBarn Managers work 3-4 hour shifts during which they supervise the general operation of the Shop keeping a close eye on safety and noting any maintenance issues that arise. They also devote a fair amount of time to general cleaning of the shop floor and emptying the dust collection and trash systems. They give prospective members tours and update MACS access cards as needed for members.

Oh, and they enjoy 24/7 access to the Shop!

If the Shop manager role sounds interesting to you, contact Jim Barron via Slack. Thanks!

## *The MakerBarn Ceramics studio makes it's debut*



Please join us for an Open House of the Ceramics Studio at The MakerBarn on Sunday, January 12th, from 4:00-6:00PM! We will show off our new equipment, review studio procedures, and discuss the system for getting a studio shelf. All participants in the ceramics program are asked to attend. This will also be a great opportunity for those interested in the ceramics program to get a look at all the exciting things happening in the studio. All adult members are welcome.

Have you made something interesting that you would like to share at the Open House? Members of the



ceramics program are encouraged to bring one item for a pottery showcase

We have some exciting additions to the studio, including a wall mounted extruder, a large pottery work table, and a library of hump/slump molds. Come check out the new space and see all that is happening in the ceramics program.

Important Reminder: the kiln requires a very specific protocol for clay and glaze. Using inappropriate materials can damage the equipment. While all members are welcome to participate in the ceramics program, use of the equipment requires completion of the ceramics orientation. Our next orientation is scheduled for 2/18, from 7:00-9:00M. Registration is live on The MakerBarn website. All members interested in the ceramics program should complete the interest form at <https://forms.gle/uwCXZwiWCpKso2tX7>.

The latest addition to the studio is a NorthStar wall mounted extruder with a variety of dies. Don't miss the demo of how to use it at the upcoming Open House! Next to the extruder is a hump/slump mold library. These are great for hand building bowls, platters and spoon rests.

## MADE AT MAKERBARN!

**Angie French** made ten stockings for her family members. The material was purchased in Paris from a store near the Basilique du Sacré-Cœur de Montmartre back in February and she finished them the day before Christmas! (The green one is for pets).



# ***MADE AT MAKERBARN!***



**Cynthia Grimmer** made a Wheel thrown sugar bowl and spoon cup. Plus a CNC routed wooden bowl

# MADE AT MAKERBARN!

**David Wogh** made Cigar Box Guitars using woodworking tools and the lasers at the Makerbarn.



## MADE AT MAKERBARN!

**Jeff Rohling** made three things;

Cutting board was a Christmas present incorporating our grandson's baseball team logo. The star was tough to get right because CNC kept messing up the points but with help from Trevor W and Joe F, finally got it right.



The trivets were Christmas presents done on the laser with walnut and cork backing. 3 different designs made.



My 3 youngest grandkids all play sports and I made them these little signs incorporating their team logos/name.



# MADE AT MAKERBARN!

Joe Foster:

This month my teacher friend from pines Montessori school asked me to make animal footprints stamps for the children to learn their animal tracks.

The first attempt was using the CNC router and I found that for the more intricate feet (squirrel) the CNC router wasn't the best fit.



For the second attempt I used the laser. However, concerns on my part of regarding how fragile the claws of the smaller animals looked with the wooden stamps (the wooden stamps are preferred by the school), I also 3d printed the more fragile stamps in case the wooden ones broke.

The animal images are exact copies of the images the teacher will use in her classroom.



## MADE AT MAKERBARN!



**Mark Bush** made wine bottle shaped Pepper & Salt mills. Just pull the top and fill with coarse grain salt or peppercorns, then twist the top to grind the salt or pepper. The body is made with Walnut & Maple. The tops are made with Redheart and Padauk.

# MADE AT MAKERBARN!

**Robert Wozniewicz** made Wood Book Boxes. He says it was a fun weekend project to use those thin resaw leftovers and other small cutoffs.



# MADE AT MAKERBARN!

Stephanie Hohenschutz made four items;

Acrylic present tags/ornaments made on the laser



She hand embroidered flower bouquet on the laser



she made two white cloth quilts

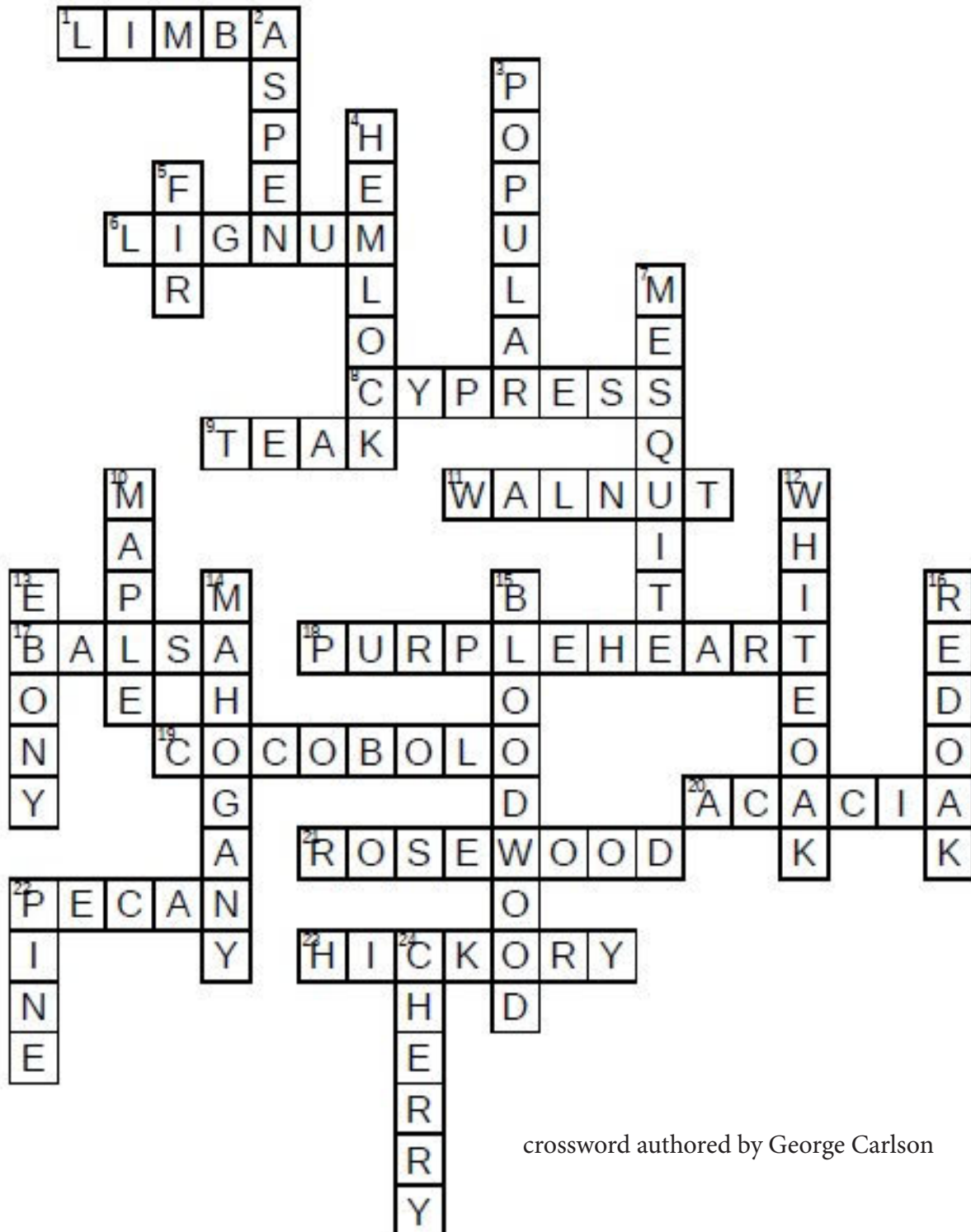


...and she made custom pencils for her cousins on the laser











Solution to the December puzzle:

# What Wood is This?



crossword authored by George Carlson

	<h2>Meet the Area Managers</h2>
	<p><b><u>WOODWORKING</u></b></p> <p>Mark Bush is area manager of woodworking. Contact him via SLACK.</p>
	<p><b><u>LASER PRINTING</u></b></p> <p>Greg Radliff is an artist and expert at using Laser Cutter and Engravers. Greg can show you the LightBurn software we use and can check you out for use of the Laser printers in the Lab. Contact him via SLACK</p>
	<p><b><u>METALWORKING</u></b></p> <p>Bryan Manka is area manager for metalworking which includes the metal mill and the metal lathe at the Barn. He can check you out for use of either of these machines. Contact him via SLACK.</p>
	<p><b><u>3D PRINTING</u></b></p> <p>Jody Cochran is a graphic artist with deep experience in 3D printing and other graphics tools. Jody can show you slicer and other software used with the 3D printers. Contact him via SLACK.</p>
	<p><b><u>ELECTRONICS</u></b></p> <p>Raul Garcia is area manager for electronics. More of a fixer than designer, but willing to help and learn together. See Raul for anything related to microcontrollers, electronic devices or other electronics related projects. Contact him via SLACK.</p>
	<p><b><u>CERAMICS</u></b></p> <p>Lisa Lane is area manager for ceramics. Contact her via SLACK.</p>
	<p><b><u>WELDING</u></b></p> <p>Joe Foster is area manager for welding. Contact him via SLACK.</p>
	<p><b><u>CNC MACHINING</u></b></p> <p>Gary Alose is area manager for CNC metal machining. Still learning but happy to help! Contact him via SLACK.</p>

## For New Members

WELCOME to the wonderful world of making!! We know you will come to love this place as much as we do.

First and foremost, this place is about the people. We would like to encourage you to see yourself as more than just a member. We are a community. Because we don't have any employees, we rely heavily on our community to keep things running. So please join in, pitch in, and get involved. Ask lots of questions. We are a really friendly group and love to help one another. The MakerBarn is a fantastic community of makers and we are glad you are here!



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### MakerBarn Directors:

George Carlson, Director  
Jeanie James, Director  
Greg Radliff, Director

### Executive Committee:

Kathy Barbieri - President  
Jody Cochran - Secretary  
Raul Garcia - Treasurer & Membership  
Jim Barron - Manager of Managers (MoM)  
Matt Folsom - IT  
Ashley Dickson - Member at Large  
Mark Bush - Member at Large  
Lisa Lane - Member at Large  
Joe Foster - Member at Large  
John Buckley - Newsletter Editor

### Area Managers: (Guru or Custodian):

Woodworking - Mark Bush  
Lasers - Greg Radliff  
3D Printing - Jody Cochran  
Metalworking - Bryan Manka  
Electronics - Raul Garcia  
Welding - Joe Foster  
Ceramics - Lisa Lane  
CNC Metal - Gary Alose

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