



# NEWSLETTER

## August 2022

*"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."*

## Friendliness, Trust, and Volunteerism

Friendliness, Trust, and Volunteerism. These are the three things that The MakerBarn was founded on. Friendship brings us together to help one another learn new skills. Trust allows us to share our resources, even with those who are new to the group. Volunteers make The MakerBarn possible. Without volunteers, The MakerBarn could not afford the space we occupy or the tools we have access to. ***If you see a new member, introduce yourself and ask if they need help to get their project underway!***



As I write this, it appears that Kathy Martin, our landlady, has a crew cleaning out suites 201 and 202. These are the two suites at the front of the building where we will be moving The Lab. That's good news. I know it's not easy for her to sort through all that stuff and try to determine what to save. This means we may be able to start our move quite soon. I'll try to keep you informed. This is where the volunteer part comes in.

It seems that every month we have something to add to the capabilities at The MakerBarn. This month it will be the **new Sheet Metal Shop**. Sheet metal may sound like a rather boring hobby, but really it's quite an art, and an art worth learning about. The machines may sound dangerous; foot shear, hand notcher, and finger brake, but really, for the most part, they are quite safe to use. The four major tools we will have are 1) a 52" shear, 2) a 48" finger brake (for making bends), 3) a 24" slip roll, and 4) a corner notcher. There are also other hand tools like punches and shears. These are not the giant tools found in large fabrication shops, but they will work fine with sheet metal up to 1/16" thick.



Sheet Metal Brake Tool

Please don't try to cut Stainless Steel or Fiberglass on the shear, it's very bad for the knives. Fun things like little candle holders and decorative objects can be made using material found in tin cans. Those rectangular one-gallon solvent cans are an easy source on thin tin-plated mild steel.

Institution size food cans are also a good free source of material. The strengthening ridges on the cans can be rolled out on the slip roll machine.

**The wearing of gloves in the sheet metal shop is allowed and encouraged!!**



Sheet Metal Shear Tool



The Sheet Metal Shop will be located in suite 203, just outside our machine shop.

Let's keep on makin'!!

George Carlson  
President, MakerBarn



## MADE AT MAKERBARN!

**Ed Fraini** made his first window art; a beautiful piece of stained glass.



## ***MADE AT MAKERBARN!***

**Alison Cozad** made a tessellation with the laser cutter using birch plywood, walnut plywood and felt.



### ***Are you Manager Material?***

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

# MADE AT MAKERBARN!

**Amanda Kerdahi** made a shelf and a cutting board with help from fellow member CE Raum.



## ***MADE AT MAKERBARN!***

**David Long** relied on a fellow MakerBarn member to help him diagnose and isolate a bad transistor, then to replace it with an equivalent transistor to bring this Pinball machine back to life.



**Kyle Fraczek and Kathy Barbieri** made a beautiful serving table years ago at the MakerBarn for use at the Coroe House of Prayer. The church recently moved to a new facility and took the table with them where it used to feed the homeless every morning.

# MADE AT MAKERBARN!



**Elizabeth Jones** made a floating bed and two floating nightstands as requested by her 9 year old child

# MADE AT MAKERBARN!



**Rick Leeth** has been busy at MakerBarn; he built this closet shelf, garage shoe bench, a small work bench with storage shelf and another work bench.



# MADE AT MAKERBARN!



**Aniwat Akarasuthikorn** is one of our most artistic and prolific MakerBarn members. He has made all these lovely figures and more at MakerBarn using our bandsaws and other woodworking equipment.



# MADE AT MAKERBARN!



More from **Aniwat Akarasuthikorn**



## Meet The Area Managers

	<p><u>WOODWORKING &amp; CNC</u></p> <p><b>Jim Barron</b> has lots of experience with woodworking and CNC. He holds occasional CNC classes that demonstrate the Vectric VCarve Pro software we use. Jim can check you out on woodworking and CNC tools at the Barn. Contact him via SLACK.</p>
	<p><u>LASER PRINTING</u></p> <p><b>Greg Radliff</b> 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><u>3D PRINTING</u></p> <p><b>Jody Cochran</b> 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><u>METALWORKING</u></p> <p><b>Bryan Manka</b> 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><u>ELECTRONICS</u></p> <p><b>Raul Garcia</b> 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>Daniel Claybaugh</b></p>	<p><u>WELDING</u></p> <p><b>Daniel Claybaugh</b> is area manager for welding</p>

## For New Members

WELCOME to the wonderful world of making!! We know you'll 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!



**Maker Barn: The Shop**  
28030 FM 2978, Suite 204 77354  
Phone: 832-663-6377



**MakerBarn: The Lab**  
28030 FM 2978 Suite 101 77354  
Phone: 832-663-6377

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### MakerBarn Directors:

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

### Executive Committee:

Kathy Barbieri - Procurement and Acquisitions  
Jody Cochran - Secretary  
Raul Garcia - Member at Large  
Jim Barron - Membership  
Matt Folsom - IT  
Daniel Cielecy - Treasurer  
Doug Green - Web Site  
Ashley Dickson - Member at Large  
John Buckley - Newsletter Editor

### Area Managers: (Guru or Custodian)

Woodworking - Jim Baron  
Lasers - Greg Radliff  
3D Printing - Jody Cochran  
Metalworking - Bryan Manka  
Electronics - Raul Garcia  
Welding - Daniel Claybaugh

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