BRIDGEWIRE makerspace

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Mar/Apr 2018

BIG EVENTS

Thanks You everyone for keeping Bridgewire so clean. Without your help we could have had a rodent problem. However, as evidenced by ol' Rexy, there weren't enough food scraps to keep him alive. He may have been born on our Large CNC wood router but he died and now resides in the storage area above the member's cabinets.

Foam cutting/carving Contest This month is foam carving month at Bridgewire. We are holding a contest utilizing our hot wire carving machines to create works-of-art cut, carved, and finished during this month. They will be judged on April 27th. Prizes will be awarded in various categories. Full details of contest rules and competition categories will be sent in an email April 1st.

We use Amazon Smile. When you make a purchase through Amazon, THEY will donate to our non-profit Bridgewire, if you setup your account to do so. All you have to do is login to your Amazon account through smile.amazon.com before you make your purchase. Specify "Bridgewire" as your charitable organization. Many of us have installed Amazon Assistant (quick link) to easily return to AmazonSmile when you login to Amazon. Each donation is small. But if we all participate, this could add up.

BRIDGEWIRE BUILDERS

Chess Board for the tiny – Victor made these business card chess sets on the Laser cutter for Bridgewire to use as promotional items. Thanks Victor.

Phone chase lights – Jacob added these LED chase lights to the Bridgewire Pi Phone. You can call the phone in the electronics lab. In the future, hopefully we can call other phones. Ask Jacob about it when you see him.

THE BOARD DECISIONS

Marketing Activity – The Board has agreed to spent about $250 to source some marketing graphics for an array of printed and internet formats. Included is development of a potential new Bridgewire logo. This will be forthcoming and could be implemented within the month of April. We are also developing marketing copy to target specific groups.

Complaint Department has been setup. If you have a complaint about the facility, organization, people or whatever; please contact Zoe@bridgewire.org. She will handle your complaint confidentially. Either officers or the board will review the issue and formulate a plan. Zoe will provide feedback to those that lodged the complaint.

EDUCATION HAPPENINGS

Education Officer: Baljit Saini is investigating potential relationships with local schools and organizations. We hope to create a relationship to provide a venue for introducing youth to various industrial arts. He is trying to make connections to Charter Schools, Home School groups, and other organizations with youths. If you have contacts that could help, please relay them to Baljit at Baljit@Sainib.com

Regular Monthly Classes and equipment Safety Training:

- **1st Thurs – Welding Shop:** Safety Demo + knowledgeable user check off - by Lee Elliott.
- **2nd Thurs - Laser Cutting:** Safety Demo + User Training.- by Eric Bradford
- **3rd Thurs - Wood Shop:** Safety Demo + knowledgeable user check off - by Roman Hruska.
- **4th Thurs - 3D Printing:** Safety Demo + User Training.- by Ralph Santos

Reoccurring Education classes and events:

- **CAD Class:** Hosted and taught by Eric Bradford
- **FIX-IT Workshop:** Hosted and taught by Eric Bradford

Upcoming Education Class in April:

- **Electronic Scrolling Sign Display:** *Make your own sign and take it home.* Baljit will be teaching a class that will teach you how to make your own scrolling sign. The class will provide you with the materials, teach you how to program your message, and build your sign. This class is a two day event conducted over two weekends. Time to be determined. There will be a fee for the class.

- **CNC Wood/Plastic Router Classes (Intro):** Learn the basic principles of CNC wood routing on the Shapeoko 2 router. This class will introduce you to the basic process steps so you can make small items and become familiar with the process using a 0.4 horsepower router spindle. This class is free to members and has a fee for non-members.

- **CNC Wood/Plastic Router Classes (Adv):** Apply the principles of CNC wood routing on the Greenbull Router. This class introduces you to a powerful 3 Horsepower router spindle for cutting large and thick materials. The **(Intro)** class is a prerequisite to this class. This class may have a fee.

Groups meeting at Bridgewire

- Defcon 775 (meeting monthly)
- BigBrothers & BigSisters (activity monthly)

Your group can meet here also. The only requirements are that at least one member of the group must also be a Bridgewire member and that the group obey the rules of our Policy Manual. Schedule your event per the calendar instructions below.

FACILITY HAPPENINGS

Facilities Officer: Eric Bradford is focused on improving the signage, aesthetics of the facility, and

general upgrading of the equipment and tools as opportunity arises. And of course, addressing safety concerns as they become apparent. If you would like to help, please contact Eric at ericbradfordmeetup@gmail.com

Maker Faire Exhibits above facilities storage – We have placed several of our exhibits from past

Maker Faires in our facilities storage above the member's cabinets. They are setup so that we can discuss them in our open house tours. Some of these may be used in future maker Faires.

Revised and updated CNC Routers We improved the ***smaller Shapeoko 2*** with material clamps

and an enclosure for machining. These make the machine ideal for the person new to machining. Errors and broken tools are contained to prevent injury. These upgrades were required before we could offer the upcoming class.

The ***large greenBull*** router has limit switches and X-Y axis indicators. These safeties make it difficult for the user to damage this powerful machine and harder for the user to hurt themselves. We now have regularly scheduled class.

NEW 3D printer - A new dual nozzle 3D printer has been donated. This will soon be the best printer on line at Bridgewire. It is a chinese copy of a Makerbot Replicator. Several high end modifications have been made to this unit. It will soon be online when our 3D printer member experts get it up and running. We also plan to refurbish and sell off our old kickstarter 3D printer to raise money for future 3D printer needs and projects.

Amplified Speakers for your phone - Last year Tony B. setup an amp for our phones. We have moved the speakers to a position above the kitchen and provided simple instructions to connect your phone and listen to podcasts, music or whatever. If others are in the shop be sure to check and see if they are okay with what you are playing and that the volume is acceptable.

All Assets at Bridgewire now have an asset tag – All assets less hand and hand power tools are marked with an asset tag. If you have items which are on loan to Bridgewire, you will be contacted so we can officially lease the item or you may want to officially donate to Bridgewire. There may be some items that are unidentified, so check your list to confirm all loaned items are listed.

FINAL NOTES

Welcome new members: If you have a chance, say hello to new members Charles Banks Jr., David Heit, and Jay Pfaffman Unfortunately, we say goodbye to Jennifer Paine, whom has taken a new job in Seattle.

CLICK on Calendars to go to Bridgewire Calendar with interactive event details.

Bridgewire Calendar

April 2018

APR

Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28 6 pm - 8 pm BB&BS Activity	29 6 pm - 9 pm Open Space Night	30 Good Friday	31	1 April Fool's Day Easter 12 pm - 7 pm Solar SUNday
2	3	4 7 pm - 9 pm DEFCON 775	5 6 pm - 9 pm Open Space Night 7 pm - 9 pm Metal Shop and Welding	6 6:30 pm - 7:30 pm BW Board Meeting	7 1 pm - 4 pm CUSTOM SIZE Electronic Scrolling Sign Class	8 10 am - 11:30 am FIX-IT Workshop
9	10 7 pm - 9 pm BW Quarterly Members Meeting	11	12 6 pm - 9 pm Open Space Night 7 pm - 8:30 pm Laser Cutting & Etching	13	14 1 pm - 4 pm CUSTOM SIZE Electronic Scrolling Sign Class	15 11 am - 1 pm CNC Wood Router Class (Intro)
16	17	18	19 6 pm - 8 pm Wood Shop 6 pm - 9 pm Open Space Night	20	21 9 am - 1 pm CAD - Learning 3D CAD (2days)	22 Earth Day 9 am - 1 pm CAD - Learning 3D CAD (2days)
23	24	25 6 pm - 8 pm BB&BS Activity	26 6 pm - 9 pm Open Space Night 7 pm - 8:30 pm 3D Printing	27 6 pm - 7 pm Foam Carving Competition Judging	28 12 am - 3 am BB&BS Activity	29 11 am - 2 pm CNC Wood Router Class (Adv)
30	1	2 7 pm - 9 pm DEFCON 775	3 6 pm - 9 pm Open Space Night 7 pm - 9 pm Metal Shop and Welding	4 6:30 pm - 7:30 pm BW Board Meeting	5	6

ALL MEMBERS, If you would like to add an event. Email us at info@bridgewire.org or click on the Add Event button below the calendar to schedule your event with details and contact info. The new event will be approved by an officer or director to make it show up. Your events can be any project you want to share or get help with.