BRIDGEWIRE makerspace

May 2018

BIG EVENTS

WINNERS Foam cutting/carving Contest April was foam carving month at Bridgewire. This was our first competition and all entries were very good showing a significant effort. The judges struggled a bit but finally determined Best overall, Best Tiki, and Best Junior. Congratulations to the winners

Craig Cobergland, Victor Mendoza, and Elijah (picture missing). Here are the fantastic winning entries. Craig's foam serpent actually dispenses wine for the sea pirates in us.

Furniture Building contest is next, which will run from May to the end of June. Judging will occur on June 29th in the evening. Prizes will be awarded in various categories. Full details of contest rules, entry fees, and competition categories will be sent in an email and on facebook in early May.

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

Torggler Door – Eric B. has build a prototype Torggler Door which will be developed and will replace the kitchen pocket door. He is making changes by weighting the door so that it will open with just the force of gravity. He is designing a DC motor driven closing mechanism with a 30 second delay. If you want to help, ask Eric.

THE BOARD DECISIONS

Membership Fees – The Board is reviewing the structure and flexibility of our membership offerings. The changes we are considering will not negatively affect current members. We are considering among other things, the potential for members to earn discounts or credits by logging approved volunteer hours. Ultimately, the Board is trying to create more flexibility and authority for the officers to improve the Bridgewire community for all.

Bridgewire Assets - 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 board members will review the issue and formulate a plan to resolve the issue. 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

- **CNC Wood/Plastic Router Classes (Intro):** Learn the basic principles of CNC wood routing on the Shapeoko 2 router.
- **CNC Wood/Plastic Router Classes (Adv):** Apply the principles of CNC wood routing on the 3 Hp Greenbull Router. The **(Intro)** class is a prerequisite to this class.

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 – We have placed several of our exhibits from past Maker Faires in our facilities storage above the member's cabinets. This years Reno Mini Maker Faire is scheduled to occur on Octber 14th at Wingfield Park. See the RMMF white board in the main room for scheduling of new projects.

New 3D printer is printing - The new dual nozzle 3D printer is now working. We downloaded

software called MakerWare which has the Icon shortcut on the desktop. The screen and interface looks similar to all the other software out there. There may be tuning and adjustment required to make it more robust and improve the quality of the print.

We are also investigating other software options which might be more robust and flexible.

Next up will be printing a part which uses 2 materials. We don't know how to do this, but that is what the internet is for. Maybe one of our members can step up and teach the 3D printer users.

P.S. The old Kickstarter 3D printer is up and running. Its working as well as its ever printed.

Exhibition Package - We have created a dedicated exhibition package which includes a chair & table, tradeshow display wall, 3D printer, and display monitor. This will allow us to quickly respond to any opportunity to attend a trade show or event without having to gather and assembly a good exhibition package. If any member would like to promote Bridgewire through an event they are attending, this Exhibition Package is available for loan.

Rental Lockers – We have lockers your can rent. The lockers can be rented for a period of 6 months for $30. The rental is handled the same as renting floor space for projects. See the Red Box at the front desk. You may use your own padlock. However, if you abandon the locker, we will cut the lock off.

All Assets at Bridgewire 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 Daniel Golightly, Jason Rolfe, MacLean Hess, Aaryna Irwin, Spencer Allen, and Jeff & Christa Oeschger.

Unfortunately, we lost Paul Skrotzki who passed away. He left instructions to donate many of his tools and materials to Bridgewire which will enrich the maker experience for all members.

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

Bridgewire Calendar

May 2018

MAY

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	May 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	5	6 10 am - 11:30 am FIX-IT Workshop 12 pm - 2 pm CNC Wood Router Class (Intro)
7	8	9 6:30 pm - 7:30 pm BW Board Meeting	10 6 pm - 9 pm Open Space Night 7 pm - 8:30 pm Laser Cutting & Etching	11	12	13 Mother's Day
14	15	16	17 6 pm - 8 pm Wood Shop 6 pm - 9 pm Open Space Night	18	19 Armed Forces Day	20 10 am - 1 pm CNC Wood Router Class (Adv)
21	22	23	24 6 pm - 9 pm Open Space Night 7 pm - 8:30 pm 3D Printing	25	26	27 12 am - 4 am Solar SUNday
28 Memorial Day	29	30 6 pm - 8 pm BB&BS Activity	31 6 pm - 9 pm Open Space Night	1	2	3

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.