BRIDGEWIRE makerspace

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Feb 2018

BIG EVENTS

Did Dr. Evil visits Bridgewire? If so, he apparently left behind some of his "Sharks with lasers" which can be spotted in the waters around our Laser Lab. An individual calling himself Number 2 said they are researching makerspaces as they diversify their investment in satelite factories for the production of "Machettes And Knifes w/ Extreme Rigidity" Devices. Or M.A.K.E.R. Devices.

If you want to create your own maker devices, we have the tools and equipment. We are continuously improving our selection with upgrades and additions.

Curious Forge Visit – The Board and officers plan to host a visit from the founders of the Grass Valley makerspace, Curious Forge. This is part of an on going effort to build a cooperative network of makerspaces in the surrounding areas. We are investigating the possibility of sharing resources, presentations, and coordinating events between all spaces so that we can create a cohesive community across extended geographic regions.

NEW Library sign Thanks to new member Jeff, who got involved and made this great sign. For those that didn't notice, this isn't just a collection of books. It is your micro makerspace library. Thanks to Craig for keeping it going. If you want to check out a book, there is a signout sheet on a clipboard in the library.

NEW Shop Signs - *Anyone* can make a sign for your favorite shop or lab. As you can see above, we have a sign for the Laser Lab and the Library. The sign should be made with materials and in a manner consistent with each shop. We still need Welding Shop, Machine Shop, Wood Shop, Electronics Labs, and 3D Printer Lab. If you are interested in making the sign please contact the

facilities officer, Eric Bradford so he can provide guidelines and to make sure someone else hasn't already started one, before you fabricate it.

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.

THE BOARD DECISIONS

Marketing Activity – The Board is completing numerous tasks to create a collection of marketing materials. These include, website rewriting and revision, uniform marketing templates, and copy for various targeted flyers. We are also investigating the potential to have our own Artown event in July. We hope to have these events propagate into August events and classes.

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:

- **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. We are looking to schedule this class again in March on a weekend or two. Time to be determined. There will be a fee for the class.

- **CNC Wood Router Classes:** coming this Spring

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

Bridgewire Cleanup Day Saturday, Feb 17th (10 am - 1 pm) – This is our semi-annual clean and make a dump run event. Items on the list include: Clear Flamability cabinet of old paints and fluids, Change burned out fluorescent tubes, and numerous smaller tasks. Please come help get us ready for the spring. Stop in anytime and help out. The trucks will leave for the dump run around noon. *Food will be provided to all helpers at 1pm.*

Do-ocracy Feb 17th 1 pm – Eric will review the projects listed on the Facilities Project List. These are mostly asperational projects to make the space better. Any member can do any of the listed items. Additionally, we are looking for members ideas and projects for the shop. Please make suggestions at the 1pm meeting or any time. Remember, this is OUR shop. WE make it better.

Electronics Lab Reorg Day (Part 2) Saturday, Feb 24th (2-8 pm) – Our first reorg day was great

but only got us half way there. Baljit Saini will be heading up a second clean the Electronics Lab day. It looks relatively clean, but the components, equipment, and storage tubs need to be organized and labeled so everyone can use them without investing hours looking for a single item.

Stop in anytime and help out. 1, 2, or more hours of your time would be appreciated by all. ***Food will be provided to all helpers.***

Baljit will be there from 2-8pm.

Safety Switches We have added Paddle power switches to some of our older equipment. We will soon be adding one to the Table Saw. The CNC router is now fully functional with limit switches and an Emergency Stop button. We also plan to add limit switches and an Emergency Stop to the smaller laser.

NEW Paint Booth - We have purchased a used paint booth with self contained filtration. This will diminish the smell of volatile paints and stains in the building. If you need to paint or stain items no larger that 36 inches please use this booth. Only rattle spray cans, brush painting, or small air-brush painting is allowed in the paint booth. As a general reminder, our facility can not support compressor driven spray gun painting.

NEW Laser Example guide - We have added an example board to help the users of the laser cutters/engravers with example power and feed settings for various materials. This will give you a starting point for your materials. If you have a material you would like to help add to the board, see Eric Bradford. He will guide you, as you make your contribution to the board.

FINAL NOTES

Welcome new members: If you have a chance, say hello to new members Breeanna Retter, Brian McEvoy, Dustin Cannon, Forest Townsend, and Jason Clinton. Unfortunately, we say goodbye to Jesse Shea, and Jeremy Olson at least temporarily, as each of them are extremely busy for the coming months.

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

Bridgewire Calendar

February 2018

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31 6 pm - 8 pm BB&BS Activity	February 1 6 pm - 9 pm Open Space Night 7 pm - 9 pm Metal Shop and Welding	2 Groundhog Day 6:30 pm - 7:30 pm BW Board Meeting	3 10 am - 11:30 am FIX-IT Workshop 1 pm - 4 pm CUSTOM SIZE Electronic Scrolling Sign Class
4	5	6	7 7 pm - 9 pm DEFCON 775	8 6 pm - 9 pm Open Space Night 7 pm - 8:30 pm Laser Cutting & Etching	9	10 1 pm - 4 pm CUSTOM SIZE Electronic Scrolling Sign Class
11 12 pm - 4 pm Solar SUNday workshop	12 Lincoln's Birthday	13	14	15 6 pm - 8 pm Wood Shop 6 pm - 9 pm Open Space Night	16	17
18	19 President's Day Washington's Birthday	20	21 5 pm - 8 pm Nevada Inventors Association - Monthly Meeting/Lecture 6 pm - 8 pm BB&BS Activity	22 6 pm - 9 pm Open Space Night 7 pm - 8:30 pm 3D Printing	23	24 2 pm - 8 pm Electronics Lab Organize and Cleanup day

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.