BRIDGEWIRE makerspace

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Jan 2018

BIG EVENTS

New Years Resolution. Is your resolution to make that item you have been putting off? Well, the shop is here and it wants your participation. Nothing sadder than a tool wasting away on a peg in the shop. With a small allocation of your time and effort, you to can make a difference in a tools life. Won't you help a tool feel needed and appreciated? They're waiting for your attention.

Quarterly Members meeting - Tuesday Jan 9th starts at 7pm could run as late as 9pm. We will have food and drink available. Stop in and see what is happening. Maybe get involved.

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

Revised Mission Statement – The Board agreed our mission statement reads more like a list of what we have and is not easily retained by the public. Therefore we revised the statement to be more on target. We are going to use the following statement in an unofficial capacity until it is officially integrated into our Policy Manual.

> **Provide a community industrial workshop for the practice and education of the industrial arts in woodworking, metalworking, electronics, and other fabrication technologies.**

Board Meetings Dates Moved – The Board has moved their monthly meeting to the 1st Friday of each month from 6:30 - 7:30pm to accommodate officer and board member schedules.

EDUCATION HAPPENINGS

Education Officer: Baljit Saini is currently teaching Electronics at Career College of Northern Nevada. He is interested in helping us develop and structure classes in our industrial arts which will benefit members and the public. We are extremely excited to have Baljit on board to make Bridgewire a better place for its members and the community.

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:

- **Microcontroller Presentation and Collaboration Night:** We have a new teacher. Jeremy Olson, will hold a Microcontroller presentation. Please come to his January presentation if you are interested in microcontrollers like Arduino or Pi. He will be using your inputs from this meeting to create collaboration projects and group activities. Click on Calendar below.

- **Electronic Scrolling Sign Display:** 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 and send you home with your own sign. We are looking to schedule this class in February on a weekend or two. Time to be determined.

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.

Electronics Lab Reorg Day Jan 13th (2-8 pm) – Baljit Saini will be heading up a 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.

Mini Maker Faire Project Board We have a pushpin + white board space to manage ideas,

fabrication, and details for the event. Victor Mendoza is managing this effort. If you have a proposal or want to participate, just add to the board. We are looking for ideas and suggestions. We have several months to create exhibits and displays. It's a great chance to create something together that is really cool. We already have one project we are pursuing and running preliminary tests. It is an

Augmented Reality Sandbox with Real-Time Topography We have the projector, computer, software, MS Kinect and materials to build the box. We just need the members and their effort to build this unit. Look to the calendar for scheduled group project days. We are considering building two units at the same time as a fund raiser, selling off one unit. Click on the picture to watch a video of how it works or this Sandbox link to see how to build one.

NEW 14" Chop Saw - We have purchased a used Chop saw to replace the previous chop saw which failed due to some electrical failure in the commutators. Please remember that most all equipment at Bridgewire is designed to be used lightly. It is not production class equipment. Production equipment can be used continuously for hours at a time. The equipment here has much shorter duty cycles. When using equipment here please take breaks so that equipment does not overheat and fail prematurely.

Refurbished Dual MIG Welder - We have had this MIG welder for many years. It worked then had an electrical switch failure. The switch was repaired about a year ago. However, during that time the cover went missing. We have made a new cover, so that we can use this welder again. It has also been fitted with a 30AMP plug to fit our 240VAC sockets.

FINAL NOTES

Welcome new members: If you have a chance, say hello to new members Mike Givens and Eric Youngren. Unfortunately, we say goodbye to Ana Johnson, Edwards Vear, Todd Stockli, and Mandy; all of whom have moved out of the area.

Rules Reminder: Many members have joined our Facebook Public Group. If you use facebook, we ask that you post any creation/project you're working on. Your posts should be Maker oriented. Avoid politics, religion or other potentially polarizing topics. These are not part of our mission and stated purpose with the IRS.

Find us on: facebook®

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

Bridgewire Calendar
January 2018

JAN

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	**January 1** New Year's Day	2	3	4 6 pm - 9 pm Open Space Night 6:30 pm - 8:30 pm Metal Shop and Welding	5 6:30 pm - 7:30 pm BW Board Meeting	6 10 am - 11:30 am FIX-IT Workshop
7	8	9 7 pm - 9 pm BW Quarterly Members Meeting	10 7 pm - 10 pm DEFCON 775	11 6 pm - 9 pm Open Space Night 7 pm - 8:30 pm Laser Cutting & Etching	12	13 8 am - 12 pm CAD - Learning Onshape 3D CAD (2days) 2 pm - 8 pm Electronics Lab Organize and Cleanup day
14 8 am - 12 pm CAD - Learning Onshape 3D CAD (2days)	15 Martin Luther King Jr. Day	16	17	18 6 pm - 8 pm Wood Shop 6 pm - 9 pm Open Space Night	19	20 12:30 pm - 2 pm Micro-controller Night
21	22	23	24	25 7 am - 8:30 am 3D Printing 6 pm - 9 pm Open Space Night	26	27
28	29	30	31 6 pm - 8 pm BB&BS Activity	1 6 pm - 9 pm Open Space Night 6:30 pm - 8:30 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

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.