BRIDGEWIRE makerspace

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May 2017

BIG EVENTS

Media Blitz

The Media Blitz we started last month continues. We will have a KOLO 8 News story in the coming weeks. Additionally, we are working to get articles placed in the newsletters for various retirement communities. We hope this brings in various retired tradesmen and those with a wealth of knowledge to share.

Donations to Bridgewire? We are still working on setting up our Quickbooks. Donors can now deduct contributions they make to Bridgewire under IRC section 170. Also we are qualified to receive tax deductable bequests, devises, transfers or gifts under section 2055, 2106, or 2522. We realize this may result in a flood of contributions which will be managed.

NCET Tour of Bridgewire, April 12th Bridgewire hosted and entertained approximately 50 NCET guests with food, conversation, and demos. Thank you, "The Laser" Michelle, "3d Printer" Ralph, "Microcontroller" Matt, and "CNC" Eric for all the demos. The event was well received and should create a little name recognition and goodwill in the business community.

Makerfaire at San Mateo, May 19-21 We do NOT have a booth at the Bay Area Maker Faire this year. That means we have no Free tickets to share. Nick Williams will be attending. He is sharing a booth with an associate to demonstrate his large format Blue Laser cutter. If you can find him, stop by and say Hi.

Reno Mini Makerfaire, July 8th This is Bridgewire's big event of the year. We will have a large 20ft x 30ft tent at the Reno Mini Maker Faire this year. We will be planning for this event in the coming months. First organizing meeting will be Friday May 12th at 6pm. We have been asked to provide many Hands-On interactive displays. There will be **FREE TICKETS** for Bridgewire event volunteers who put in at least 4 hours at our Booth.

THE BOARD DECISIONS

Revised Policy Manual The Board approved the new Policy Manual (Rev3) which goes into effect immediately. You can review the document at the front desk now and online in the next week. The biggest changes are:

- Family membership changed to Individual + Household Add-On + 5-17 Junior Free
- Day Guest Passes for each member
- New Member Probationary Period
- Donations In Kind and Abandoned Property

The Board also approved changes to the Bylaws, and Articles of Incorporation. The revised Bylaws (Rev4) and Articles (Rev3) will be submitted to members for a vote of acceptance by an online voting method. We require over 50% of our membership to cast a vote of Accept or Reject the changes for each document.

EDUCATION HAPPENINGS

Education Officer, John T. has continues to work with members to create a list of classes to be scheduled on a regular basis. ***Please see the Calendar below***. These educational opportunities are primarily free to members with some small fees to non members. Please see the individual class for details.

If you would like to add your own class or event to the calendar, please contact John to develop and schedule your class. To help, contact John at renoscuba1@gmail.com.

Reoccurring Education classes and events:

- **Metal Shop and Welding:** Hosted and taught by Lee Elliott.
- **Microcontroller Presentation Night:** Hosted and taught by Ralph Santos
- **Microcontroller Collaboration Night:** Hosted and taught by Ralph Santos
- **Wood Shop:** Hosted and taught by Roman Hruska.
- **CAD Class:** Hosted and taught by Eric Bradford
- **Inspiration Exchange and Project Ideas:**
- **FIX-IT Workshop:** Hosted and taught by Eric Bradford
- **Big Brothers and Big Sisters Activity Events:** Hosted by John T.

Coming Soon!!! Education classes and events:

- **Laser Cutting:** Hosted and taught by Michelle Golightly.
- **MRE Night:** Hosted by John T.

Teacher Needed!!! Education class:

- **Soldering:** We are looking for a new host/teacher to teach once a month

BB&BS Event. Our second Big Brothers and Big Sisters event took place in May 4th. We had many more participants this time, reaching capacity. This month the Bigs and Littles worked with glass etching kits. There were several Mother's Day gifts being made this evening. The event was well received. Thanks To John T. for spearheading these events. The next event is scheduled for May 31st Wednesday at 6pm. These events are approximately 2hrs in length and occur on weekday evenings. They will either be using the project tables area or the media room depending on the activity.

FACILITY HAPPENINGS

Facilities Officer, Lee Elliott has been appointed Interrum Facility Officer until we can find a permanent volunteer for the position. His duties are limited to the essentials. This means the things we want to improve will be delayed. Some maintenance items will not get done. The Board is now searching for a new Facility Officer. If you may be interested please contact Eric Bradford for details about needs and expectations for the position.

New and Resharpened Blades The 10" circular Tablesaw blades and Bandsaw blades have been sharpened or replaced on all the equipment in the shop. Thank you to Lee for arranging discount sharpening and replacement from APEX Saw. These guys are awesome. We are also working with them to potentially get donations of equipment and supplies.

Large Format Laser delayed. The supplier we were planning on using is out of inventory. Shipments will be arriving in early July. We could expedite, but it would cost about $500 to get the parts within a week. In the mean time we will investigate other options that could expand our bed size and capability. Currently, the Board plans to spent upto $3000 for a 48in x 36in Laser Cutter Gantry kit with the latest DSP controller, software, Z-height adjustment table, honeycomb table, and mounting frame. We will scavenge the laser, power supply, and cooling/ venting from the current 12in x 10in laser cutter. This kit requires assembly but very little fabrication of parts. We will make this a shop project that all members can participate in assembling and getting up and running. Look to the calendar for a chance to participate.

CNC Wood Router. Even though we are purchasing a Laser, we will not go without a large format

CNC Router. John T. has offered to bring in his 4ft x 8ft (Buildyourcnc.com) GreenBull Machine. We need to set up a day with a trailer and 4 or so people to transport and setup the machine. This will include setting up the computer and controller. It will reside in the location of the old CNC mill.

Vending Machine updates The Vending machine now has the capacity to

dispense 12 oz. cans from 5 different slots and 1 bottle type. This was addressed by Eric using the most recent FIX-IT Workshop to create the mechanical brackets and cams that the machine uses. They aren't in production any more, so this maker had to demonstrate why MAKERS RULE !

On a different note; we now acknowledge that some of the things we sell in the vending machine have the consistency and taste of sandpaper. WHAT?!! Well, that's because it is! The Vending Machine left tower resides in the shop and has glues, sandpaper, and arduino boards. What else should we stock? There is room for other items, suggestions are welcome.

Craigslist Sale Continues We have sold about ½ of the items we listed for sale and raised $325 so far. We still have several items for sale with a listed price total of $450. The items are located on the shelves between the Inspection Table and New Tech Center. They are marked with a price on Blue Painters Tape. We have also identified several specialized items we can sell on Ebay for a total of about $1000. These are on the same sale shelves with Purple Tape for members to purchase before we post on Ebay.

The Safety + Hygiene Project to feed us better food while raising money for safety and janitorial needs is continuing. The money raised is being collected and set aside for future janitorial services. The logistics and management of this still needs to be structured.

Remember Prices are marked on the items. We are using the honor system. Pay for your items in the Black Box under the orange cabinets.

FINAL NOTES

Welcome New Members This month we have new members Andrew Karlson, Matthew Moore, Jesse Shea, and Garrett Blackburn. If you see a new face, introduce yourself and say Hi.

Rules Reminder (from Policy Manual): All members are encouraged to support the community by putting time into maintaining and cleaning the facility. If the trash bucket you are using is getting full, empty it into the Big Green trash can yourself.

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

Bridgewire Calendar
May 2017

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

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	May 1	2 6 pm - 7 pm BW Board Meeting	3 7 pm - 9 pm DEFCON 775	4 6 pm - 8 pm Metal Shop and Welding 6 pm - 9 pm Open Space Night	5	6 12 pm - 1:30 pm FIX-IT Workshop
7	8	9	10 6 pm - 8 pm Microcontroller Presentation Night	11 6 pm - 9 pm Open Space Night	12 6 pm - 7 pm Reno Mini Maker Faire Planning Meeting	13
14 Mother's Day	15	16	17 5 pm - 8 pm Nevada Inventors Association - Monthly Meeting/Lecture	18 6 pm - 8 pm Wood Shop 6 pm - 9 pm Open Space Night	19	20 Armed Forces Day 9 am - 1 pm CAD - Learning Onshape 3D CAD (2days)
21 9 am - 1 pm CAD - Learning Onshape 3D CAD (2days)	22 6 pm - 7 pm Inspiration Exchange and Project Ideas	23 6 pm - 8 pm Soldering Class	24 6 pm - 8 pm Microcontroller Collaboration Night	25 6 pm - 9 pm Open Space Night	26 7 pm - 9 pm MRE Night	27
28	29 Memorial Day	30	31 6 pm - 8 pm BB&BS Event	1 6 pm - 8 pm Metal Shop and Welding 6 pm - 9 pm Open Space Night	2	3 12 pm - 1:30 pm FIX-IT Workshop

ALL MEMBERS, If you would like to add an event. Press the “Add Event” button on the calendar at bridgewire.org Schedule your event with details and contact info. The new event will be hidden until an officer reviews and makes it public. Your events can be any project you want to share or get help with.