BRIDGEWIRE makerspace

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Oct-Dec 2017

BIG EVENTS

Annual Members Meeting and Board Elections occured on Tuesday, October 10th. We had about 40% of the members vote. The same five people from last year's board ran again to fill the 5 seats available. The new board of directors is pictured LtoR: Matt Hansen (board secretary), Eric Bradford (board chair), John Tomascheski, Ralph Santos, and Zoe Miller.

The board met soon afterward to appoint officers for the organization. They are as follows: President - Lee Elliott, Treasurer – Ralph Santos, Secretary – Jacob Smalser, Facility Officer – Eric Bradford, Education Officer – Baljit Saini.

We received $26.27 from Amazon because you used Amazon Smile last quarter. Thank you, every little bit helps. 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

Rental Spaces – In the past, we have had to say NO to several large projects because they took up too much room for too long a period of time at the inconvenience of other members. The board has approved a fair solution to this need. Several large spaces are now available to rent for your large projects. We have 3 spaces in the workshop side of the facility. We also have 3 spaces in the welding shop which are meant for any metal projects.

Payment is made at the front desk with a payment slip and payment placed in the Red Box.

This is a good time to review and applaud the accomplishments of last years board. Here is a list reviewed in the October Member's Meeting

1. **Presidents Report:**
    a. 501(c)3 non profit status applied for and granted by IRS effective Jan 16th 2017
    b. Member's Meeting scheduled Quarterly with BBQ
    c. Attended Reno Home & Garden Show, Reno Mini Maker Faire
    d. Hosted NCET Tour w/demos (50+guests)
    e. Updated Articles of Inc., Bylaws, and Policy Manual with improved clarity
    f. Channel 2 News - local interest story
    g. Changed Annual Officers List due date to Dec 31st
    h. Replaced $10 Day Guest Membership with a Free Day Guest Pass
    i. Created 1st Bridgewire T-Shirt

2. **Treasurer's Report:**
    a. Start Term Nov 1st 2016 with 36 members
       End Term Oct 10th 2017 with 44 members
    b. Improved cash holdings 34% from the start of term
    c. Implemented Amazon Smile to raise donations
    d. Purchased QuickBooks for our bookkeeping

3. **Facilities Officer Report:**
    a. Facilities Cmte discontinued and Officer position created in its place
    b. Refurbished 22x16in Laser Completed and operational
    c. (John T's) Large CNC Router – Completed and operational
    d. VCarve Pro – Implemented and operational
    e. CorelDraw - Implemented and operational

4. **Education Officer Report:**
    a. Education Cmte discontinued and Officer position created in its place
    b. Education classes scheduled for every month
        i. Microcontroller Night
        ii. Fix It Workshop
        iii. CAD training
    c. Thursday night Shop Demo/ Member Checkout scheduled (Metal, Laser, Wood, 3D Printer)
    d. Added Big Brothers & Big Sisters events– support month activity night
    e. Added DEFCON 775 events – monthly meetings

EDUCATION HAPPENINGS

Education Officer: Please welcome our new education officer, Baljit Saini. He 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 Renewed Education Class:

- **Microcontroller Presentation and Collaboration Night:** We have a new teacher. Jeremy Olson, will be launching the 1st in a series of Microcontroller presentations and projects. Please come to his Dec 12th Tuesday 6:30 -8pm 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 groups activities. Click on Calendar below.

Groups meeting at Bridgewire

- Defcon 775 (meeting monthly)
- Nevada Inventors Association (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 the new Facility Officer. Eric will draw on his engineering

background and experience running a prototype shop to refine and improve the facility. The shop has made great progress in the last few years. It is very clean, with plenty of good tools and functional equipment. Gone are the days when everything you picked up needed to be fixed before you could use it. Eric's efforts will be 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.

NEW Software We have purchased a non-commercial (student) version of CorelDRAW. It is

installed on 3 computers; the laser computer and 2 computers in the main training room. This software will allow you to create vector graphics and works well with the new laser. It provides an alternative to Adobe Illustrator and Inkscape.

NEW Consumables, Tools, and Equipment Recently the Board approved the purchase of several new consumable that often break or wear out. These were purchased to ensure that if the item you are using breaks, there is likely a replacement available on hand. Several used tools and equipment were also purchased to replace and expand our collection. Lastly, the facilities officer purchased numerous racks and plastic tubs to help organize the shop and keep it more orderly.

NEW Storage Shelf just for Clubs / External Organization We have setup a rack with tubs just for the clubs and organizations that are using our space as the guest of a member. This will corral the clubs use of the shop and storage of there materials.

Wood Shop Reorg – We moved the large project materials storage for wood projects against the wall shared with the training room. This will reduce noise transmitted through the wall. It also expands the amount of space available for storage. In the process of reorganizing, the community wood pile was purged of small and awkward remnants. Please note the items on the floor which were tossed. There is no need to save these kind of items. They are generally small, non-rectangular, and had poor surface quality. Such items should be placed in the trash or the WOOD SCRAP barrel.

Welding Shop Reorg – We implemented many of the new racks + tubs we acquired. One shelf is for long material storage, Another is for small material storage in tubs. There are now project tubs to store your project. Additionally, there are rental spaces + tubs for large metal projects.

Several items are now on carts to be wheeled out when used and then put away after use.

Thank you to Craig, Jeremy, Matt, Ralph, Eric, Baljit and Lee for your help getting this shop cleaned and reorganized. There should be no debate about where materials or projects belong moving forward.

NEW Mini Maker Faire Project Board The board identified our need to prepare further in advance for the Reno mini Maker Faire. Therefore, we have created a pushpin + white board space to manage ideas, fabrication, and details for the event. Victor Mendoza is managing this effort.

FINAL NOTES

Welcome new members: If you have a chance, say hello to Baljit Saini, Denny Nathan, Edward Vear, Jeff MacDougall, Kim Prewitt, Kory Taylor, Matt Urbanski, and Victor Mendoza.

Rules Reminder (from Policy Manual): We are a law abiding organization. All members need to remain lawful inorder for our insurance to remain valid and so that we can continue operations.

As a reminder, illegal use of software, internet copyright violations, and computer hacking is strickly prohibited.

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

Bridgewire Calendar
December 2017

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

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30 6 pm - 9 pm Open Space Night	December 1	2 9 am - 1 pm Shop Cleanup Day 10 am - 11:30 am FIX-IT Workshop
3	4	5 6 pm - 7 pm BW Board Meeting	6 7 pm - 9 pm DEFCON 775	7 Pearl Harbor Remembrance Day 6 pm - 9 pm Open Space Night 6:30 pm - 8:30 pm Metal Shop and Welding	8	9
10	11 9 am - 10 am VA Photography Group tour	12 6:30 pm - 8 pm Micro-controller Night	13 6 pm - 8 pm BB&BS Activity	14 6 pm - 9 pm Open Space Night 7 pm - 8:30 pm Laser Cutting & Etching	15	16
17	18	19	20 5 pm - 8 pm Nevada Inventors Association - Monthly Meeting/Lecture	21 6 pm - 8 pm Wood Shop 6 pm - 9 pm Open Space Night	22	23
24	25 Christmas	26	27	28 7 am - 8:30 am 3D Printing 6 pm - 9 pm Open Space Night	29	30
31	1 New Year's Day	2	3 7 pm - 9 pm DEFCON 775	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

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.