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Sept 2022

President's Corner

Make something for Bridgewire

At no cost to you. Yes if you make or improve something for Bridgewire, we will pay for the materials. The only rule is it must be safe and sound. Turn in the receipts to get reimbursed.

Thanks – Eric

Bridgewire Activities

Cleanup and Maintenance Day

Jeremy, Kerstin, and Sven replace the filters in the fume hood.

We had a good cleanup day in August with several members participating. The next session is scheduled for Saturday, Sept 24th, 9am-noon. Ryan Bibbey will be hosting the event. Items that we want to accomplish are on a list at the front desk a few days before the event. Food and drinks will be provided.

Cleaning the dust barrier in the wood shop.

October Board Elections

This is a heads up. The Annual Members Meeting will occur in October. There will be 3 Board Seats up for election. Please consider stepping up to help set the vision for the organization. The board seat term is two years. Typically, they meet once a quarter.

What Have You Made at Bridgewire?

Here is what Bridgewire Founding Member Kristine is making. This is a model of the Rolls Royce 1932Phantom II Drop Head Sedanca Coupe.

Send us picture and description of what YOU have made!

FACILITIES UPDATES

Now that looks nice – The Multipurpose room was painted by Big Brothers and Big Sister of Northern Nevada with a grant from The Home Depot Foundation. The blue accent wall has made the room stand out as more aesthetically pleasing. This refresh has taken us one step closer to providing a pleasant, clean, and brighter crafting room.

Updated Tables – To go along with the painting in the Multipurpose room a couple of the tables were painted and fitted with new tops. These tables are a stark visual improvement from the dreary all black tables.

How to use the 82" TV – The TV is to **always** be used with the stereo in the corner of the room. There are easy to follow instructions above the stereo to select the setting you need. The setting options are Radio, Chromecast, BlueRay/DVD player, HDMI for computer laptops, and Security System Cameras. Deviating from these instructions can render the TV unusable until reset.

New 3D Printer – With a donation from Thomas Klenke, we now have a Makerbot Replicator2 printer with a full enclosure. This dual nozzle printer replaces our older Chinese dual printer. This printer does not require your attendance to use. Simply monitor your print with Octoprint and Obico (Spagehetti Detective) from your phone. We will be implementing a subscription for continuous monitoring. We also now have soluble support material that can be used with this printer.

Carpeted 3D Printer room – Just to make it a little nicer the 3D printer room is now carpeted and shares the space with 2 carts with crafting supplies. These can easily be wheeled into the Multipurpose Room for crafting activities. Yes we are looking to expand our crafting offering in the near future. The board will be discussing plans and dollars to commit to this offering at the September Board meeting. More on this in the next newsletter.

Computers upgraded – Computers on several of the CNC type of equipment are being upgraded with newer units, better graphics cards, and a minimum of 8Gb RAM. The dusty wood CNC Router computer is now housed in a filtered box below the machine. This new configuration with a monitor on a swivel allows users to swivel the monitor and zero out X,Y, and Z at the work piece.

New Bridgewire Sign – The old wooden sign was showing some significant wear. In fact, some of the thunderstorms that hit this summer actually knocked numerous letters off. Enter the high-tech world of plastics. The sign is essentially the same but lasercut plastic letters epoxied to a field of white acrylic is more durable. We will not be lighting the sign as the last set of lights lasted one month before some homeless person claimed them for their river lights festival.

Items for sale – These items are now listed on Craigslist and eventually Facebook marketplace. Member's get a 20% discount off the original listing. This is first come first serve. All proceeds will go towards newer and better equipment at Bridgewire. Ron Dayney will be managing the sale of these items. Please email him at ron@axiom-labs.com.

1. 3M Overhead projector. In working condition. $50
2. 3D printer 230mm x 160mm Malyan model M180. Nice enclosure, dual nozzle design, spools for printer wire integrated on the back. $300
3. CNC ShapeOKO 3 This CNC router/cutter is working condition with all accessories included. Several extra bits are included of many different sizes. $1400
4. 3D printer 200mm x 200mm print bed. Kickstarter Bridgebot. Controller board programmed for this stepper motor. $100
5. Mitsubishi WD2000U Multiple input video projector VGA/DVI/RGB/Composite HD projector with remote and 15 foot video cable. With matching swivel mount. $150
6. RF sweep generator 4-12.4 Ghz. Wilton. Not tested. $50

7. 3D printer 200mm x 200mm print bed. Monoprice IIIP. With digital control box. In working condition. $150
8.

High power Battery backup power supply, needs new batteries. With new batteries the unit with supply up to 30 Amps AC. It has one 240 VAC output, and four 120 VAC $150
9. This is a working Kioke Aronson CNC plasma cutting system with a 5x10 ft bed. The Kioke is a Hybrid D-11 cutter. The plasma cutter is a Hypertherm MAX100 with a THC-2 Torch height control. The gas cutting capability has never been used by us and probably needs an overhaul. We are selling as a complete unit. No parting out of components. You will need to provide forklift and transport. We are selling because it is too large for our space. $4500 LOCAL SALE ONLY
10. XBOX 360 Kinect $13 Cash only

EDUCATION HAPPENINGS

Bridgewire Classes and Workshops

We are looking to have members create and teach classes of their own. All Bridgewire classes will charge a fee of $15/hr. per student. If a materials fee is required it can be added to the total cost. The instructor will receive 50% of the class fee from Bridgewire. The class must be listed on our calendar no less that 30 days before the class. The instructor determines class length in hour increments and the min and max number of student required. Talk to Eric to get a class instruction template and learn more.

FINAL NOTES

New and returning members this last month

Sharon V., Jeremy M., Michelle G., Peter S.

BRIDGEWIRE CALENDAR

BELOW Click on “Calendar” to go to the Bridgewire calendar with interactive event details.

Calendar

Happening Soon...

Wed, Sep 7	Quarterly Board Meeting - Multi-Purpose Room (6:30 pm - 9:30 pm)
Thu, Sep 8	Open House Night (6 pm - 9 pm) Sheet Metal and Machine Shop (8 pm - 9 pm)
Sat, Sep 10	3D CAD - Fusion360 (Basic Modeling) (9 am - 1 pm)
Sun, Sep 11	GrandParents' Day Patriot Day New Member orientation (6 pm - 8 pm)
Thu, Sep 15	Open House Night (6 pm - 9 pm) Wood Shop (6:05 pm - 8:05 pm)
Mon, Sep 19	TMCC Laser Cutting & Engraving (6 pm - 10 pm)

Tue, Sep 20

Inventors Meeting (4:30 pm - 6:30 pm)

Thu, Sep 22

Open House Night (6 pm - 9 pm)

Sat, Sep 24

All members - shop clean and maintenance day (9 am - 12 pm)

Mon, Sep 26

New class orientation (6 pm - 8 pm)

Tue, Sep 27

Embedded System Group (ESG) (6 pm - 8 pm)

Thu, Sep 29

Open House Night (6 pm - 9 pm)

Fri, Sep 30

Bridgewire Laser Cut & Etch Basics (6 pm - 8 pm)

Sat, Oct 1

11 Yr Anniversary Celebration - Fall 2022 (1 pm - 4 pm)

Tue, Oct 4

Annual Members Meeting (On-Site and Zoom) (6:30 pm - 7:30 pm)

Full event list