letternewsletternewsletter
newsletternewslettnewslet
ternewsletter

July 2022

President's Corner

Family Fun Day – Sunday, July 17th 10am – 3pm

This is an event for members to bring their families to enjoy games, making activities, scientific demos, and a BBQ lunch at Bridgewire. We are asking members to participate in the community by bringing something for others to enjoy. You were asked to help plan the event on June 28th-29th. We already have several things lined up and are looking for more. Further details are listed below in this newsletter. Thanks - Eric

Bridgewire Activities

Event - Family Fun Day Details

This is a free activity for members, their spouses and primarily the kids. We will BBQ and solar cook hotdogs starting about noon; chips and drinks also available. Members will receive an email on July 5th with an invitation to the Event on Sunday July 17th 10am – 3pm. **RSVP will be required.**

So far we have many things planned.

GAMES: We will have a 9-hole miniature golf course in the shop, Giant Jenga, Corn hole with weighted Bears vs. Bunnies.

MAKING ACTIVITIES: We have planned Air Rockets and target practice, Clock Kits laser cut and paint faceplates, Hot Wire foam carving, and for those without one, make your Bridgewire T-shirt.

DEMOS: We have numerous science based demos including solar cooking, an Arduino programming of functions, a Van de Graaff machine, an Oobleck fluid demo, and a slide ramp with potential and kinetic energy measurements to name a few.

We are looking for members to bring in other items or create their own. If you want to bring something to share, please email your host Eric Bradford at mailto:ericbradford.pe@gmail.com

The facility will be closed to regular shop use from 7am – 6pm on July 17th

Cleanup and Maintenance Day

The June 12th cleanup day was successfully hosted by David Heit. There was mostly shifting and moving items around to make more room. There was also a large purge of extremely old and therefore not really usable equipment from the electronics lab. As Ron Dayney describes it, we are opening up white spaces for creativity to occur. Some of the equipment still has value, so he is trying to sell it to raise funds for some modern electronic equipment. **The next session is scheduled for Wednesday, August 17th, 6-9pm.**

Craig Bergland sweeps

Dan Johnson works on a light sensor

Kevin McAuliffe works the cubbies

David Heit supplied the food.

FACILITIES UPDATES

Woodshop Expansion – The June shop cleaning and maintenance day was primarily focused on expanding the woodshop. The shop area was expanded only two feet in length. However, many more additional feet were freed-up by consolidating some items and shifting things around. The large CNC router was moved 4 ½ ft. and the sanding station was pivoted against the outer wall. This additional footage will allow more people to share the shop at the same time.

Additional Woodshop Project Table – After the expansion of the wood shop, one of our members donated a 4'x8' rolling table. It's a little lower than the other project table which will be perfect for our junior members. Thanks to Thomas Klenke for this and several other donations in the last month. Every time a member helps we get a little better.

Motion Sensors on Shop Lights – Last month we had a record NV Energy bill and we asked that you pay more attention to shutting off lights. THANK YOU. Our bill has returned to normal. The primary use of electricity at Bridgewire is actually the shop lights. Since these lights are turned on with a single switch that activates 6 relays there is inherent inefficiency when only one or two shops are being used. Therefore we have added motion and ultrasonic sensors to a few of the relays. When the main switch is turned on some sensor relays will start in the OFF condition, until someone enters the sensor range. We the sensor settings are set to turn off after 10 minutes if no activity is detected. Let us know if we need to adjust the sensitivity settings.

Selling and disposing of items – From the latest shop cleanup we are purging items that are taking up space and have no value to our mission or making activities. Additionally, there is unlabeled wood in the Active wood Project Storage Area that will be placed in the community pile on July 10th, as we can only assume it is abandoned and forgotten. If you think some might be your wood, check the pile and properly mark <u>every</u> piece. If it doesn't have your name and start date it will be purged.

WOW Cleaning Corp – We have restarted janitorial services with WOW. We are now getting weekly service to clean the restrooms, main media room, kitchen surfaces, and emptying of the orange trash cans. Everything else is left to you to clean up after yourself. For the last year officers and directors were cleaning these items because few others helped.

New 13" Ridgid Planer – Thank you Thomas Klenke for donating this lightly used planer. The 2 blades are easier to replace/align and are less expensive than the DeWalt blades. Also thank you to Roman and Robert for donating the Dewalt mobile stand that the planer is mounted on. We look forward to years of good use with the planer. Now we have a full arsenal of wood working equipment that can be rolled out for use and rolled back into storage after each use. This will make for a cleaner shop.

WHO DUNNIT?

Inspector Policy is our house detective. He is always on duty looking for rules violations which disrupt the peace and fair maker environment. He lives by the maker credo "Be Excellent to each other". Each month he will ask for your help to identify a rules violator.

THIS MONTH'S CASE: "Missing Tools"

Bridgewire was founded on one core rule.

Be Excellent to each other.

Recently, we have noticed some tools have gone missing. After an extensive search of the shop, they are no where to be found. One of two rules is being broken.

NO TOOLS MAY BE BORROWED AND BROUGHT HOME. They MUST remain at the shop all the time. This is hurting your fellow member. If you thought no one would notice, you are wrong. I noticed enough to write this, because I needed that tool.

YOU MUST RETURN TOOLS AFTER EACH USE. When you use a tool, always take the set, i.e. not an individual drill bit. Before you leave you must return every tool and tool set to its original storage spot. Do not keep the item on your project table nor in your storage cabinet. In many cases we only have one set of tools which we all share.

Inspector Policy

EDUCATION HAPPENINGS

Bridgewire Classes and Workshops

New Lithium Battery Workshop – Craig Bergland will be conducting a multi-session lithium battery workshop beginning on July 24th. The agenda will be to chat about lithiums, will build packs for the participants, including chargers, testing, holders, configurations, lights, etc. Will put some myths about lithiums to the test. If you are interested read more on our website calendar and contact Craig at cobergland@gmail.com

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.

Contribute Cash (without spending extra money)

If you are purchasing something from Amazon, go to smile.amazon.com instead of amazon.com, and select Bridgewire to support. It doesn't cost you anything, and benefits Bridgewire with a portion of your purchase price.

FINAL NOTES

No Cleaning day in July

New and returning Members June 2022

Matt S., Lars S., Rob C., Devon, K, Liv M.

Bridgewire Calendar

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

Mon, Jul 4	Independence Day
Tue, Jul 5	New Member orientation (10 am - 12 pm)
Thu, Jul 7	Open House Night (6 pm - 9 pm) Welding and Plasma Cutting (7 pm - 9 pm)
Thu, Jul 14	Open House Night (6 pm - 9 pm)

	Sheet Metal and Machine Shop (8 pm - 9 pm)
Sun, Jul 17	Member's Family Fun Day (10 am - 3 pm)
Wed, Jul 20	Bridgewire Laser Cut & Etch Basics (7 pm - 9 pm)
Thu, Jul 21	Open House Night (6 pm - 9 pm) Wood Shop (6:05 pm - 8:05 pm)
Sat, Jul 23	General CNC Fabrication (9 am - 12 pm) New Member orientation (10 am - 12 pm)
Sun, Jul 24	Parents' Day Lithium Battery Workshop (1 of 4) (12 pm - 2 pm)
Wed, Jul 27	BB&BS Event (6 pm - 9 pm)
Thu, Jul 28	Open House Night (6 pm - 9 pm)

ALL MEMBERS: If you would like to add an event. Email us at info@bridgewire.org or click on the 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.

.

Calendar