BRIDGEWIRE MAKERSPACE

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MAY 2019

BIG BROTHERS BIG SISTERS

Tea Candle Holders:

Everyone had a great time at the April 24th BBBS event, this month's project was Tea Candle Holders. A fun woodworking project for the bigs and littles. A great opportunity for folks to get together at Bridgewire and create useful and valuable items for the home and gifts. Thanks to all the bigs that volunteer their time and put their soul into these relationships. Click here for a slideshow of all the photos from the event. https://bridgewire.org/bbbs-slideshow-page/

PROJECTS

Teardrop Trailer

David and Lexi Powell are a father daughter Photographic Team who left Australia on the 19th of March with plans to build a teardrop trailer and continue on a road trip to the east coast to buy a house.

The design is an original by David with some accents taken from the Mustang tow vehicle. This caravan is similar to one that David Built in Australia, only lower and wider and matched to a 2014 Mustang. Built with the generous help of the Bridge Wire Community David and Lexi were able to build this teardrop trailer without buying many tools. "I left all my tools at my friend Geoff's house in Australia". The Trailer itself was custom built by David and measures 60" inches wide on

the inside. The suspension is axle-less by Timbren. It had to be axle-less in order to be such a low profile. “Its actually a touch shorter than the car I think. It. was meant to be the same height but turned out just a touch lower.”

Inside is quite simple. Just a queen bed and room for luggage and a small Coleman stove. “The construction is all steel so we can use magnets anywhere we want to attach lights or curtain hanger hooks or anything else. The plan is to add a hatchback , probably from an Audi sports car at a later date”. Not fussed about having a kitchen in the back. I prefer to cook on a camp fire or go to a restaurant. “We. Will use. This camper to travel around the country doing photography Workshops and promoting THEBLUEGLITTERPROJECT.ORG which is an anti Suicide / Awareness Campaign. (Website will be updated soon but you can visit now and have a look)

“We are really thankful to all the people at Bridge Wire for allowing us to use the facilities to build our dream camper and fulfil on the Game we invented in Australia! We Cant wait to cross the rockies with our new little unit and see all the sights we can on our way to the east coast. I highly recommend Bridge Wire to anyone who has a project they would like to build! There is nothing more satisfying!”

FACILITIES

Dust Problems at Bridgewire

We’re learning that the always present dust particles in the shop have been slowly inundating all of the equipment and even though we’ve installed our new dust control system the damage has already been done. All of the computers and especially the 3D printers are affected. The good news is that we can clean it up by merely opening up all the equipment and blowing it out with air. Of course it would take a concerted effort by the members to accomplish such a project. It seems that a couple of days with volunteers could be the answer. If you want to get involved in a remedy to this important problem please contact the Board of Directors at officers@bridgewire.org.

EASTER FUN

Easter Sunday saw a few stalwart easter eggers show up at Bridgewire to get together for some food and fun. The high point of the evening was definitely the easter egg hunt. The strategically placed

easter eggs containing surprises,with the bunnies holding a special treat.

FINANCIAL NEWS

Benevity Update

We have partnered with Benevity, the global leader in corporate social responsibility and employee engagement, including online giving, matching, volunteering and community investment. Many of the world's most iconic brands rely on Benevity's award-winning cloud solutions to power corporate "Goodness" programs that attract, retain and engage today's diverse workforce by connecting people to causes that matter to them. https://www.benevity.com

We are excited to open up this new channel for fundraising activities - we've already raised $200 with your support! If your workplace has a program in place to support local causes, it's quite likely they're doing so using Benevity. We encourage all of our membership, friends and family to support the Bridgewire cause by donating through your workplace program. If you have any questions please feel free to reach out to treasurer@bridgewire.org for more information.

Donations

Bridgewire is a 501(c)3 non-profit organization. You, our members, are the only reason we exist - it is your membership dues paying the rent, keeping the lights on, and paying for needed maintenance and repairs. There are several folks donating the most valuable of all resources - time - to keep those bills paid, provide tours and orientations, training on the equipment, and more. If you would like to help out more, but don't have the time, please consider donating using our new Donate button on the bridgewire.org home page. All donations are tax deductible and will be used to fund our mission and improve the equipment and facilities.

Embedded Systems Group

Watch the Bridgewire calendar for an update on another soldering class, tentatively planned for May 21st. This month we'll be revisiting the basic topics we covered during our last session, in addition to more coverage on intermediate and advanced topics for those who are already comfortable soldering wires. For those adventurous folks looking for more challenges, we have a collection of small projects available to choose from, and for a nominal fee ($10) you can solder one up and take it home to show off your awesome metal bonding skills!

If you're interested in attending, please RSVP by sending an email to officers@bridgewire.org. Space is limited, so act now!

ARTICLES NEEDED!

The Newsletter- Thanks to David and Alexa for emailing the nice blurb and photographs for the cross country teardrop trailer and Ryan Bibby for his input on financials. Please email your entries to Lance at lance@ipc-solar.com

EDUCATION HAPPENINGS

BBBS upcoming May workshop

The next Big Brothers and Big Sisters Event is scheduled for May 24th. We will be Glass etching . For more information contact John at renoscuba1@gmail.com .

Regular Monthly Classes and equipment Safety Training:

- **1st Thurs – Welding Shop:** Safety Demo + knowledgeable user check off - by Lee Elliot
- **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:** Learn 3D CAD modeling so you can make items to 3D print or machine on the CNC Wood router..
- **CNC Wood/Plastic Router Classes (Intro):** Learn the basic principles of CNC wood routing on the Shapeoko 2 router. This class will introduce you to the basic process steps so you can machine small items This class is free to members and has a $20 fee for non-members.
- **CNC Wood/Plastic Router Classes (Adv):** Apply the principles of CNC wood routing on the Greenbull Router. This class introduces you to a powerful 3 Horsepower router spindle for cutting large and thick materials. The **(Intro)** class is a prerequisite to this class. You must be a member to take this class and has a $30 fee.
- **Embedded Systems Group:** 3rd and 4th Tuesday of the month with lessons in soldering, basic circuitry and electronics projects.

Groups meeting at Bridgewire

- Big Brothers & Big Sisters (activity monthly)
- Bridgewire Game Night Group
- 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.

AMAZON PAYS BRIDGEWIRE

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.

Bridgewire got a $59.22 check from Amazon Smile last quarter.

FINAL NOTES

Please help clean-up. Let’s not forget that Bridgewire is a co-operative facility that relies on member participation to maintain the facilities while keeping an affordable fee structure. So we can all try to join in when there’s a work session or just pick a project such as sweeping, dusting, wiping tools and tables, there’s plenty to do and I’m sure Eric will have plenty of suggestions. Don’t wait to be asked just jump in there and help.

New members

Welcome to our new and returning members:

Nick Knowles
Andrew Zareie
Chester Stites (FRC)
Blake Candreva
Justin (William) Grange
Michael Holfelner (FRC)

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

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. Add Event

Bridgewire Calendar
May 2019

MAY

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	30	May 1 6 pm - 7 pm BW Board Meeting	2 6 pm - 9 pm Open House Night 7 pm - 9 pm Metal Shop and Welding	3	4 10 am - 1 pm CNC Wood Router Class (Adv)	5
	7	8	9 6 pm - 9 pm Open House Night 7 pm - 8:30 pm Laser Cutting & Etching	10	11	12 Mother's Day
	14	15 6 pm - 7 pm BW Officers Meeting	16 6 pm - 9 pm Open House Night 6:05 pm - 8:05 pm Wood Shop	17	18 Armed Forces Day 10 am - 2 pm CAD - Learning 3D CAD (2days)	19 10 am - 2 pm CAD - Learning 3D (
	21	22	23 6 pm - 9 pm Open House Night 7 pm - 8:30 pm 3D Printing	24	25	26
	28	29	30 6 pm - 9 pm Open House Night	31	1 10 am - 12 pm CNC Wood Router Class (Intro)	2

Calendar