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JUNE 2020

Happy April

Bridgewire Closed!

As essential as Bridgewire has become to its members. It's not so true with the state of Nevada. Governor Sisolak has ruled that we are included in the non-essential category. So the board has closed our facility for an undetermined length of time. Meanwhile we hope to keep the Bridgewire members connected for as long as it takes.

Again, we appreciate our member's support of this great organization. This crazy environment may have created a financial burden for some people and they need to take appropriate actions. It should be noted, the board will be considering future options to thank and makeup for this inconvenience to our members.

"Hack the crisis" is back; and its global Estonia is one of the world's global capitals of digital innovation. So it was no surprise when the country's startup community swiftly sprang into action over two weeks ago to respond to the deadly COVID-19 outbreak. In organizing an online hackathon: Hack the Crisis, Accelerate Estonia, Garage48 and Guiana, inspired around 1100 participants from 20 countries to suggest solutions that could help Estonia's economy grow stronger in the aftermath of the crisis. It also paved the way for other countries to lead their own online hackathons. This momentum for accelerating impactful and innovative action in Estonia stems from the startup ecosystem and goes all the way up to government level. Evidenced by the fact that following the success of the Estonian event, the country's President immediately called for a global hackathon. That Global Hack is going to run on 9-12 April

Estonia became the first nation to hold legally binding general elections over the Internet with their pilot project for the municipal elections in 2005. The electronic voting system withstood the test of reality and was declared a success by Estonian election officials The Estonian parliamentary election in 2007 also used internet voting, another world first. Here's a link to the website. https://www.innovatorsmag.com/covid-19-global-online-hackathon/

Craig's Solar Corner

When our makerspace opens again, you are encouraged to pull down the 2 large parabolic reflectors hanging from the ceiling and play with them. Carefully please, they are heavy! These were mirrored in 2013, and we have yet to have a duel with them. They need some design work - a good mount and tracking system and also a pot/grill mount at the focal point.

It might be fun to put them at opposite ends of the shop to see what kind of sound amplification there is? Perhaps the lighter one could be mounted on the east south wall by the door, so it is easier to play with? Also there are enough mirrors to make 8 solar cookers, a new roll of Mylar, and a few evacuated heat tubes waiting to be used when we re-open. Any design ideas?

Here are some pics of the build of one of the parabolic reflectors and other miscellany…

1. adding mylar strips to the disc.

2. Anna checking bubbles

yep, Lottsa bubbles

4. Solar SUNday, sometime in 2013

5. A really sucky mount job.

6. Heating a chunk of iron, reached over 900 degrees.

7. Anna cooking a hot dog.

9. Solar made, Turkish coffee. Heated real fast.

10. Melting lead for casting bullets. Sloppy and inefficient.

11. Making Waffles

12. Roasting coffee beans.

14. Tony, probably thinking "That's a stupid mounting system.

From D&D to PPE: 3D Printed Face Masks for Reno Hospitals

Andy Muth, a web developer, and his wife, Katie, own and operate GriffonCo, a 3D printing company specializing in tabletop gaming. GriffonCo was created from a love for Dungeons and Dragons, but now Andy and Katie are spreading love to the community by printing face shields for local hospitals to use while treating COVID-19 patients. As the novel coronavirus spreads, hospitals are using more personal protective equipment (PPE) than ever before. There's been a global shortage of proper face masks and shields, with many hospitals unable to keep up with patient demand. Small, family-owned companies like GriffonCo can make a big difference in the fight to stop the spread of coronavirus.

President's Corner

New Member Communication Tool – I'll bet you are all getting cabin fever by now. Well you can still communicate with Bridgewire members and see if you want to plan various projects with them; including Covid-19 PPE support.

.We have a great new forum which is run on discourse.org. If you haven't already responded to the invite link you should have received, head on over to https://community.bridgewire.org/signup and enter "Bridgewire" as the invite code to get signed in!

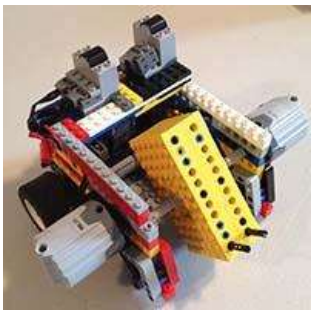
This forum is being implemented because many members dislike the intrusiveness, tracking, and evil of Facebook and Google. This link is only open to current members and your information is not being gathered and sold. Please add the link as a bookmark for easy access and improved communication. You can set which folders to receive discussion updates.

If you have any questions please email me at ericbradfordmeetup@gmail.com

Nevada Inventors Association

April meeting cancelled

nevada.inventors.assoc@gmail.com



Reno Robotics Club meetings on hold until further notice
June 27th assuming we're back to normal these classes will be held on schedule. Keep in touch at

ARTICLES ALWAYS NEEDED!

The Newsletter

Things are looking up for the Bridgewire Newsletter, we're getting more and more interest in submitting articles, making the BWNL more interesting and relevant than ever. Thanks to Eric, Craig, and Colin for contributing to this month's issue. If you have an article in mind or just a particular subject that you would like to see in the newsletter please email your entries to Lance, at lance@ipc-solar.com .

EDUCATION HAPPENINGS

New Classes for 2020

BBBS upcoming May workshop

So far the next Big Brothers and Big Sisters Event is scheduled for May 27th.The project is to be determined. For more information contact John at renoscuba1@gmail.com.

When we're back to normal all the regular classes will be up and running.

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 Chris Spitler

Recurring 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 it 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)
- Reno Robots
- 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.

FINAL NOTES

Clean up for the cleaning crew?

When we're back. Bridgewire's industrial cleaning service will again be doing a terrific job of keeping the shop tidy and dust free. We can all help them focus on the deep cleaning aspects of their job by keeping work areas organized and cleaning up after ourselves. 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. This service frees us to spend more time on infrastructure issues. There's plenty of need for repair and maintenance of the tools and equipment.

New Members No new members this month

BRIDGEWIRE CALENDAR

BELOW Click on “Calendar” to go to the 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

Calendar