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## JUNE 2020

## HAPPY JUNE!

### Bridgewire is Open!

### New Covid Rules

- **Open House Tours will occur every Thursday and Saturday. Check our website calendar for times. Only 2 non-members will be allowed in the building at a time for tours. Temp test will be conducted. First come first serve.**
- **Classes will resume for members only. New requirements are:**
    - **Social distancing and masks required.**
    - **Max 2 students per class. Contact instructor to reserve spots.**
    - **Nearest roll-up door must be open during class.**
- **Wash hands when you first arrive (kitchen sink), then often after.**
- **Cloth masks to be worn in the space at all times and proper PPE when using relevant equipment**
- **Practice social distancing, no loitering or just socializing.**
- **Kitchen is closed, vending machines open**
- **Disinfectant wipes available in shop to wipe down control surfaces on machinery**
- **If you have been to the shop and then contracted Covid-19, you must inform officers@bridgewire.org so we can let our members know they may have been exposed.**
- **These Rules are expected to be followed and obeyed. Violation could result in your suspension from Bridgewire.**

### Craig's Solar Corner

Since it appears this virus will be with us all for some time, it is probably a good idea to get used to sanitizing things. Here is a modification for our favorite FT2 solar cooker which will allow you to easily blast things with UV light.
Since glass blocks UVC light, a glazed solar cooker will only give you mostly heat, which may kill some germs but still will not allow much UV to get through. You can easily make one of these with a cardboard box and a little bit of Mylar which is available in our shop. Rather than using glass as a cover I use a bit of screen which allows a lot of UV and also keeps your face mask and or any currency that you want to disinfect from getting too hot. It also keeps your currency from blowing away in the wind, which is kind of important to me.

While very little UVC radiation gets through the atmosphere, this is a way to concentrate it. UVC is the real virus killer I have read but then I may be wrong too.
Anyway have fun with this if you build it and I generally leave my mask and currency in it for about 17 minutes at a time. And why 17 minutes you ask? Well, when I put stuff in the device I ask the sun to disinfect it for me. It takes a little over eight minutes for the message to get to the sun and another eight minutes for the sun to answer. That gives an extra minute in case the sun is feeling lazy that day. Yes, you know I'm weird, I belong to Bridgewire.

## Using Discourse.org as the Bridgewire communication center

Discourse is an open source Internet forum and mailing list management software application. Discourse is natively designed for high resolution touch devices with a built-in mobile layout and has a wide range of features available for both hosted and self-hosted sites.

Users receive immediate notifications when another member replies to them directly, quotes them, mentions their name, sends a private message, or links to their post. New posts and topics appear automatically on screen in real time.

Creating or replying to a topic is done via an overlay editor which allows for uninterrupted reading, even if the user navigates to a different topic. Discourse auto-saves draft replies and topics to the server in the background to prevent the loss of a work in progress.

Topics can be pinned to the top of all topic lists, or to a single category, with a brief summary of the content. A topic can also be transformed into a banner to have it appear on top of the site. These banners can be styled to fit with the wider site aesthetic. Users can independently choose to dismiss the banner. Administrators can also add a permanent site-wide notification panel for urgent situations.

Images can be uploaded, drag and dropped, or pasted. Large images are automatically thumb nailed and lightboxes.[11] Enabled via a site setting, any remotely hot linked images can be downloaded to preserve the topic.

Discourse supports OpenGraph and oEmbed. URLs from external websites which support this technology will automatically expand to provide a summary of the URL.

Long topics can be condensed with the "Summarize" button, so that users can view the most interesting and popular posts in the discussion.

Discourse also empowers communities to crowdsource moderation through a flagging system which automatically hides inappropriate posts until they can be reviewed by a staff member

## 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.

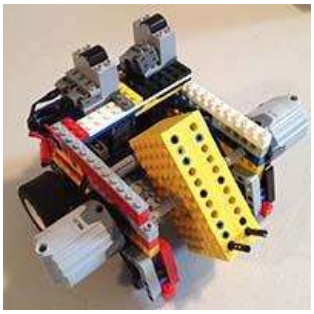
.We have a great new forum which is run on discourse.org. If you haven't already responded to the invite link you should have received, head on over to https://community.bridgewire.org/signup and enter "Bridgewire" as the invite code to get signed in!

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

May and June meetings 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?

We're back! And strict hygiene rules are in place. It's important that we pay attention to our workspace and be sure to consider the other members who come after us. 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 sanitized 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