

IST ISSUE

ELECTION YEAR-END SUMMARY

The hackerspace has had a strong year. Although we started 2016 with financial uncertainty, we were able to increase the membership count. The membership fees are now sufficient to meet budget consistently. This would not have been possible without the dedication and passion of the members and officers and MAG Laboratory thanks you all for that.

Despite the struggles, we had a lot of fun. Launching pickles, watching battlebots destroy each other, and new decorations in the hackerspace (have you seen the rockets?) are some examples of how the hackerspace have grown. Also, as an incubator for small businesses, we are providing working space for [Fayble Design](#). They have a great wood router that members can use, with the company's supervision. However, they will only be here until the end of the year. If you want to use their equipment, better move quickly!

For live updates regarding the MAG LAB, visit our [official Facebook page](#). Here, you will receive updates on upcoming events, inspirational project ideas, and some good old-fashioned jokes. You will not be disappointed with what you find!

NEW OFFICERS, SECTION LEADS, AND DUTY OFFICERS HAVE BEEN ELECTED!

OFFICERS

PRESIDENT - BRIAN

TREASURER - HONG

SECRETARY - JEFF

SECTION LEADS

3D PRINTING
LASER CUTTING
ELECTRONICS/COMPUTER ROOM
TOOL AREA
MACHINING
WELDING
FORGE
WEBSITE/IT

DUTY OFFICER POSITIONS

PUBLIC RELATIONS
QUARTERMASTER
CHIEF TECHNICAL
CURATOR

The Section Leads and Duty Officers will provide updates in regards to the equipment and operating hours of MAG Laboratory.

UPCOMING EVENTS

GENERAL MEMBER MEETING – Every Tuesday at 7:30PM

- The meetings are an opportunity for all members to provide ideas for events, volunteer to lead classes, and provide constructive feedback for the hackerspace.



- OPEN PROJECT NIGHT – Every Friday at 6:30PM

- Open Project Night is an opportunity for all members (especially general members) to come and work on their projects. This is also a great opportunity to come visit the hackerspace and socialize with other members.



- OPEN HOUSE/HALLOWEEN PARTY/BBQ AND POTLUCK – Oct. 22 at 5PM

- Open House is an opportunity for non-members to visit the hackerspace and see what MAG Laboratory is all about. Bring your friends!
- Since this is also a Halloween Party, wear costumes! Cosplay is encouraged and one can even make such costumes in MAG Laboratory!
- This is a potluck event, so please bring food and drinks. We have a grill, so feel free to bring meats and vegetables.
- Factor.io game night will take place as well. Bring your laptops (no desktops please).



- COMBAT ROBOT AT MAKERCON – Nov. 5 at 10AM

- MAG Laboratory will be judging a combat robot event at [SoCal Maker Con](#). It will take place at the [Los Angeles Fairplex](#).



PAST EVENTS

The following is a selection of some of the many activities that people have organized by and shared with the community. All of these events are made possible by normal people like yourself with an interest in something and a desire to share, and we invite you to use MAG Lab as a platform to learn and have fun with knowledge art and experimentation in an environment that is supportive resourceful and inspiring for whatever it is you may want to do. People have run all sorts of events and projects here running the spectrum from “chatting after work to ride out the rush hour traffic” all the way to organizing full-fledged events and parties, many of which are not mentioned here for lack of space and time. However, if your curious about projects and events going on in and around the MAG Lab community, be sure to check out our [official Facebook page](#).



Held a couple brew classes on all grain and extract brewing on a DIY scale



Introduced folks to the wonderful world of amateur radio



Dismantled many things for many parts



Fired off some tesla coils



Fried a few pickles



Had fun at a few events like Star Wars day at Rancho Library

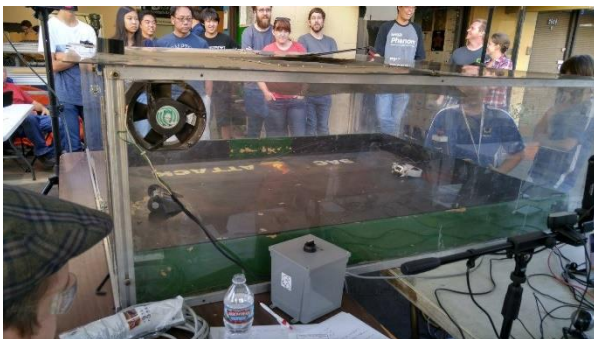


Got some folks interested in Lock Sport and Lock security



Taught some folks rocket science

WHILE SOME EVENTS WERE OFF-THE-CUFF, OTHERS WERE MORE ORGANIZED



Ran a few combat robot events



Had miniature robots battle miniature islands



And sent some pickles to space

Hope these brought back some good memories for those of you who have been around for the past year, and inspiration in those that have been too busy to stop by.

CURRENT PROJECTS

ALGAE CULTIVATION



This is a 3-gallon carboy, with a LED hydroponic grow light shining red and blue light onto it. The carboy contains 3 gallons of drinking water, an air stone which is connected to an air pump, nutrients from a gardening store, and Nannochloropsis. The purpose of this project is to determine if large amounts of Nannochloropsis can be cultivated in a cost-efficient and affordable manner.

COIN-OPERATED AIR CONDITIONER



Coin operated temperature control! In an attempt to keep folks mindful of the usage of electricity for saving money and the environment, we are installing a coin operated control of our heating and A/C at MAG Laboratory. With a few off the shelf dev boards and coin eating components, we can modulate the power to the climate control systems shutting them off/on and monitor their power usage.

MAKE-IT-GO DESIGN CHALLENGE



Make it Go! A worldwide collaborative between hackerspaces to design and build interlocking parts to a larger kinetic public sculpture. Each contribution is intended to represent the hackerspace that designed it in some aspect as it is built around a particular theme. As one group finishes, they pass off the design to the next group for iteration. A final version will be voted on and displayed at the white house week of making as the finished sculpture, the “Tree of making”