

## DPRG RBNV Chat Record – November 29, 2022

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Michael Ivison

7:41 PM

We have our first DPRG volunteer for judging (besides me), let's turn it into a gang! As shared at RBNV, my teams (Iron Reign, Giant and Core) are hosting a League Tournament on December 10th at Townview, just south of downtown. We expect 29 high school robotics teams competing for advancement to the NTX Regional Championship. We would LOVE to have more DPRG judges participate. You'll see some amazing robots and more importantly, learn about and weigh in on the investigative engineering journey.

Michael Ivison

7:43 PM

ironreignrobotics@gmail.com

Carl Ott

7:43 PM

~7:42pm - Doug showed a handy "Battery Eliminator"

Carl Ott

7:46 PM

~7:470pm - Carl gave an update and asked about serial communication...

You

7:49 PM

Link for 12-24 V to 5 V BEC 10A max current:

[https://smile.amazon.com/dp/B0B1PG4C22?psc=1&ref=ppx\\_yo2ov\\_dt\\_b\\_product\\_details](https://smile.amazon.com/dp/B0B1PG4C22?psc=1&ref=ppx_yo2ov_dt_b_product_details)

Unknown

7:58 PM

MicroPython different code emitters

<https://www.youtube.com/watch?v=hHec4qL00x0>

<https://www.kickstarter.com/projects/214379695/micro-python-python-for-microcontrollers/posts/664832>

Unknown

7:59 PM

<https://www.kickstarter.com/projects/214379695/micro-python-python-for-microcontrollers/posts/665145>

You

8:03 PM

For sending data to Arduino, I find this link helpful. <https://www.codeproject.com/Articles/1255400/Processing-data-from-serial-line-in-Arduino>

Carl Ott

8:38 PM

~8:37pm - Dave Ackley (Unknown in this chat) - shared references for MicroPython

Carl Ott

8:55 PM

~8:54pm - Pat - showed a n <.2 drive that runs well with an Raspberry Pi

Pat Caron

8:56 PM

M.2 NVME 128GB SSD PCIe Gen3x4 2280 internal solid state drive

<https://www.amazon.com/gp/product/B09HT7SQ9Z> NVME M.2 to Type-C USB3.1 Gen2 10Gbps external case

<https://www.amazon.com/ORICO-Transparent-Enclosure-Converter-TCM2-Blue/dp/B08QTPFG95>

pioneer 10 had a plaque: [https://en.wikipedia.org/wiki/Pioneer\\_plaque](https://en.wikipedia.org/wiki/Pioneer_plaque)

the voyagers had a record: <https://voyager.jpl.nasa.gov/golden-record/>

Carl Ott

9:14 PM

~9:11pm - Paul showed a new widget - design plans & implementation for a water flow sensor ...

Carl Ott

9:26 PM

Paul showed the M5 IoT ecosystem relying on for this project...

Paul Bouchier

9:29 PM

<https://sites.google.com/site/paulbouchier/home/flow-limiter>

<https://m5stack.com/>

Pat Caron

9:39 PM

See you next week!

Ray Casler

9:41 PM

Got to go!