

## DPRG RBNV Chat Record – June 21, 2022

Carl Ott

7:47 PM

~7:45pm - Ray - discussed tests with his air compressor to see if he could shoot orange cones - was able to shoot the can around 15 feet... Using this as a way to save time in 6-can competition.

Carl Ott

7:50 PM

~7:47 - discussed his team's experiments with using blower air, like from a 12v bilge pump (from R/C boat?), versus compressed air. Had more luck with catapults...

Carl Ott

8:01 PM

~8:00pm - Doug D showing progress with his telepresence robot.

Carl Ott

8:32 PM

Between 8 and 8:25pm- Carl talked about HoverSim - and a hypothesis about potential IMU artifacts causing disruption...

~8:32pm JohnK showed video of a snake robot

Carl Ott

8:33 PM

see <https://www.youtube.com/watch?v=DRH-GdZxI-o>

starting around 9:35 into the top 10 Arduino Projects video

Carl Ott

8:37 PM

and it's corresponding project page <https://www.instructables.com/Snake-Robot-1/>

Carl Ott

8:42 PM

~8:41pm - Harold showed some items - a new sign for "Harold's Lab"

Harold Pulcher

8:42 PM

<https://www.youtube.com/watch?v=DA6pHT-2fXs>

Carl Ott

8:43 PM

also explained that AdaFruit will be unable to make various really common hobby boards due to the chip shortage...

Carl Ott

8:44 PM

Per the video Harold shared, Adafruit posted this: Chip Shortage is a new feature video by Adafruit's Ladyada to highlight items that are in short supply or possibly "unobtainium" (with no known return date to the market). This week it is the widely used Microchip ATmega328P <https://www.microchip.com/en-us/produ...>

Digi-Key <https://www.digikey.com/short/nr1j192z> Adafruit uses the '328 in the Feather 328P and Metro

328 <https://www.adafruit.com/product/3458> <https://www.adafruit.com/product/2488> Adafruit ordered 9,000 in March 2021 which have not arrived.

Carl Ott

8:52 PM

~8:48pm - discussion of solving 6-can much faster than Scott's record of 1:52. And - On the topic of radical goals - let's not forget the robot that can solve a Rubik's cube in 0.887

seconds... <https://www.youtube.com/watch?v=by1yz7Toick>