

DPRG RBNV Chat Record – 8/16/2022

Carl Ott

7:45 PM

Discussion Queue:: Michael, Pat, Doug D, John G, Doug P

Carl Ott

7:46 PM

~7:46pm- Michael showed his Claw Machine.

Michael Ivison

7:49 PM

<https://www.youtube.com/watch?v=pQ-KTNtOqb0>

23:00 time

Carl Ott

7:54 PM

7:54m Showed progress to move a robot arm with a joystick, then lock the position in by pressing a button
GOLD STAR for Michael!

Carl Ott

8:09 PM

~8:07pm - Pat showed progress working with KML files to track a path for a drive around a park. Had a slight offset /
20 feet to south and 10 feet to east. But pleased with ability to navigate around a path

Carl Ott

8:10 PM

a walk around a park - to work on the GPS system...

Doug Dodgen

8:23 PM

<https://www.republicworld.com/science/space/meet-lunar-zebro-the-smallest-and-lightest-moon-rover-no-bigger-than-a-sheet-of-paper-articleshow.html>

Carl Ott

8:30 PM

~8:20 pm - Doug D mentioned his upcoming 27 Aug presentation to SRS Robothon, and sparked an interesting
discussion on alternate robot leg designs...

Karim Virani

8:36 PM

Name of wheel/leg mechanisms for robot locomotion are named Whег (Wheel-IEG)

Carl Ott

8:38 PM

~8:37pm - John G shared another / more compact and/or advanced version of animatronic eyes - seems would fit
better into the skull

John Gauthier

8:41 PM

<http://www.nilheim.co.uk/latest-projects-and-blog/compact-and-robust-3d-printed-animatronic-eye-mechanism>

You

8:45 PM

David showed a ball link pliers which are used with ball linkages

Carl Ott

8:58 PM

~8:47pm- Doug P showed the results of his last week worth of trials and tribulations. Presented from his Raspberry
Pi while running a model...

Cone detection - using RoboFlow

the free level of <https://roboflow.com/>

Carl Ott

9:20 PM

Black Star for Doug's demo (very cool but just shy of wheels on the ground)

Carl Ott

9:22 PM

~9:20pm David A- been doing things with a drone... showed estimates of wind speed and direction based on tilt angle
of the drone as it flies out and back over a lake

Karim Virani

9:26 PM

Mmm, spreadsheets, yum

Karim Virani

9:28 PM

What drone model is that?

Thats my drone

Karim Virani

9:30 PM

Mavic 2 pro

David Anderson

9:43 PM

Datcon, datfile.net

Carl Ott

9:46 PM

~9:45pm - Ray showed some 3-d printed clamps / and a 3-step iteration to fit a pipe

David Anderson

9:47 PM

<https://www.phantomhelp.com/LogViewer/Upload/> read DJI *.txt files.

Doug Dodgen

10:04 PM

<https://askubuntu.com/questions/1328833/how-is-bootabiity-restored-to-an-sd-card-ubuntu-mate-raspberry-pi-4b>

Carl Ott

10:07 PM

~10:00pm - the video recording laptop crashed during a discussion on recommended cordless tools.

Carl Ott

10:08 PM

~10:05 pm - Paul shared a lament of an RPi boot SSD getting corrupted - and some alternatives to avoid corrupted

Karim Virani

10:10 PM

Oh, so the DJI log files are .txt on ios but .DAT on Android

Carl Ott

10:18 PM

~10:15pm - John G showed a script set he uses to gracefully shutdown a Pi.

Carl Ott

10:20 PM

COTTON HANKIE for Paul...

Pat Caron

10:20 PM

Great talk tonight! See you next week

Carl Ott

10:21 PM

~ 10:19pm - open invitation from Doug to publish "how-to" content like John G's scripts on the DPRG website.

Karim Virani

10:22 PM

I gotta go. G'nite

David Anderson

10:22 PM

Karim, not quite. The .txt files have some information, but the *.DAT files have the full logs as I showed. Go to the phantom help web site to decode the *.txt. and the datcon utility to decode the *.DAT files.

Karim Virani

10:23 PM

I've installed datcon

Thanks!

David Anderson

10:23 PM

Both *.txt and *.DAT are available on my drone, the former in FlightRecords and the latter in FlightRecords/MACDATFlightRecords.

Karim Virani

10:24 PM

Yep, got it

