DPRG RBNV Chat Record - February 25, 2025

00:01:17.058,00:01:20.058
Mark R: I hear Carl sighing "Finally!" :)

00:01:41.556,00:01:44.556
Carl Ott: at this point - one hasta luv a good continuity plan...

00:04:08.047,00:04:11.047
ed mart: Robo Olympics

00:05:33.246,00:05:36.246
Paul Bouchier: Ray has been playing with OpenBot. Has 2 phones - one on robot & one for tele-oping.

00:09:13.105,00:09:16.105
Paul Bouchier: Ray thinks the ESP32 board that Doug designed in the KiCad tutorial would work for his Openbot robot

00:21:04.111,00:21:07.111
Paul Bouchier: Ray showed the scratch-like graphical programming interface, which also showed C-code derived from the graphical blocks. there were lots of functions/sensors & AI's you could hook together

00:26:48.034,00:26:51.034
Ray Casler: www.openbot.org

00:27:14.384,00:27:17.384
Carl Ott: with github repo https://github.com/ob-f/OpenBot

00:28:05.817,00:28:08.817
Carl Ott: they list Android requirements here Prerequisites
Android Studio Electric Eel | 2022.1.1 or later for building and installing the apks.
Android device and Android development environment with minimum API 21.
Currently, we use API 33 as compile SDK and API 32 as target SDK. It should get installed automatically, but if not you can install the SDK manually. Go to Android Studio -> Preferences -> Appearance & Behaviour -> System Settings -> Android SDK. Make sure API 33 is checked and click apply.

00:33:06.960,00:33:09.960
ed mart: Android 15 is the latest version of the Android mobile operating system. It was released in October 2024

00:33:28.209,00:33:31.209
Paul Bouchier: Ray is having trouble getting things to work. Turns out his phone is on Android 9 and the SW requires Android 12. This is likely why things aren't working for him.

00:34:31.121,00:34:34.121
Carl Ott:
https://www.amazon.com/Vortex-C24-Smartphone-Octa-Core-Expandable/dp/B0DLL7354W/ref
=sr_1_4?crid=3HRERKNV8P808&dib=eyJ2IjoiMSJ9.g8r35ZBgYKg8MT2tA6QjeoDu5OQS5_S9
GhdpKvveOS-DMYAcD-0k8sMsAT0HRzrC9_UEHa0320OGuhtSwLU7nJYTRy7JdgJS-lrO5iow4
2j3oNHFmT3xjZzQIypY7dlVFO4jlZOH2OT9n3ll1I0PTkjFOTzGe0wN1vCUVYuVXF0g7J0NgsJR
J2ZmgKQlOjyg2lLjl0i0QgElJA_IG4MF2ko3t9_4___s2EgJGRGVAZ0.eY1AVm5oEiEE_Lc8hubW
a3pGUsCmbJPnN8LSjeeA-m8&dib_tag=se&keywords=android+13+phone&qid=1740535855&s
prefix=android+13+phon%2Caps%2C407&sr=8-

00:34:59.903,00:35:02.903
Carl Ott:
https://www.amazon.com/Samsung-Unlocked-Smartphone-Expandable-Infinite/dp/B09SM24S8
C/ref=sr_1_9?crid=3HRERKNV8P808&dib=eyJ2IjoiMSJ9.g8r35ZBgYKg8MT2tA6QjeoDu5OQS
5_S9GhdpKvveOS-DMYAcD-0k8sMsAT0HRzrC9_UEHa0320OGuhtSwLU7nJYTRy7JdgJS-lrO
5iow42j3oNHFmT3xjZzQIypY7dlVFO4jlZOH2OT9n3ll1I0PTkjFOTzGe0wN1vCUVYuVXF0g7J0
NgsJRJ2ZmgKQlOjyg2lLjl0i0QgElJA_IG4MF2ko3t9_4___s2EgJGRGVAZ0.eY1AVm5oEiEE_Lc
8hubWa3pGUsCmbJPnN8LSjeeA-m8&dib_tag=se&keywords=android+13+phone&qid=174053
5855&sprefix=android+13+phon%2Caps%2C407&

00:35:25.274,00:35:28.274
ed mart: Checkout Straighttalk refurbished ..

00:37:10.259,00:37:13.259
Paul Bouchier: Carl recommended staying away from prepaid or locked phones. Prepaid phones are hacked to have limited cellular capability.

00:37:16.708,00:37:19.708
Carl Ott: here's one with Android 14
https://www.amazon.com/Vortex-J24-Smartphone-Octa-Core-Expandable/dp/B0DRDKHRPX/ref
=sr_1_16?crid=3HRERKNV8P808&dib=eyJ2IjoiMSJ9.g8r35ZBgYKg8MT2tA6Qjep7ACFAnrxxdl
TEnBPA2GClVEmhzJR70HpPu3Sl-QrTCzZN7OB5drxAB4ayw44e34O02ppV2M4U3W_elWdqy
Fl6HNd07UXEdZRO2ddRwDjiaP48f7PJiy-DiFG7CYZ1IypXy88oquXdH1EqtJ2WiEZ9-OlBApey0
k9Ve4P9Z9VDE2lLjl0i0QgElJA_IG4MF2ko3t9_4___s2EgJGRGVAZ0.y_GI4JhPt8WeDgZz1JnG
GpOkh9YVWk8jOxDs169_Rqs&dib_tag=se&keywords=android+13+phone&qid=1740535938&s
prefix=andro

00:38:18.290,00:38:21.290
Carl Ott: Samsung with Android 12 for $85

https://www.amazon.com/Galaxy-A13-5G-Smartphone-Expandable/dp/B09T3MQSVP/ref=sr_1_
19?crid=3HRERKNV8P808&dib=eyJ2IjoiMSJ9.g8r35ZBgYKg8MT2tA6Qjep7ACFAnrxxdITEnBP
A2GCIVEmhzJR70HpPu3SI-QrTCzZN7OB5drxAB4ayw44e34O02ppV2M4U3W_elWdqyFI6HN
d07UXEdZRO2ddRwDjiaP48f7PJiy-DiFG7CYZ1IypXy88oquXdH1EqtJ2WiEZ9-OlBApey0k9Ve4
P9Z9VDE2lLjl0i0QgElJA_IG4MF2ko3t9_4___s2EgJGRGVAZ0.y_GI4JhPt8WeDgZz1JnGGpOk
h9YVWk8jOxDs169_Rqs&dib_tag=se&keywords=android+13+phone&qid=1740535938&sprefix
=androi

00:50:26.305,00:50:29.305
Ray Casler: mark you are picking up noise

00:50:44.927,00:50:47.927
Mark R: thanks ray

00:55:11.439,00:55:14.439
ed mart: Gold Star !

01:08:43.764,01:08:46.764
Paul Bouchier: Paul showed Minniebot creating a map & navigating through it.

01:17:45.960,01:17:48.960
Paul Bouchier: https://www.waveshare.com/wiki/DTOF_LIDAR_LD19#SDK

01:20:24.361,01:20:27.361
Ray Casler: size matters!

01:26:26.746,01:26:29.746
Mark R: Does that count for a gold star? It moved!

01:26:28.151,01:26:31.151
Pat Caron: Gold Star !

01:26:31.113,01:26:34.113
Mark R: Woot

01:28:44.684,01:28:47.684
Paul Bouchier: Michael showed his grabber operating to pick up a toy that will be located on a
rotating turntable

01:33:18.412,01:33:21.412
Pat Caron: We already have an 'Old Folks Robotics' thing!

01:36:21.715,01:36:24.715

Carl Ott: Carl talked about a potential path to get DPRG membership dues refunded via the right medicare plan https://hellogrouper.com/join-a-group/

01:40:02.278,01:40:05.278
Ted Meyers: http://www.wildcircuits.com/2013/05/the-road-to-avc-2013.html

01:41:32.708,01:41:35.708
Paul Bouchier: Ted showed some old articles (2013 era) of robot projects.

01:43:05.007,01:43:08.007
Ted Meyers: https://www.youtube.com/watch?v=4Yf4qQnBHkc

01:45:05.607,01:45:08.607
Paul Bouchier: Ted showed a $60 RTK GPS receiver that uses L1 & L5. Karim has one but hasn't tried it.

01:57:17.240,01:57:20.240
doug paradis: 6" RC wheels: https://www.amazon.com/dp/B0CHF61B7J?th=1

02:01:51.428,02:01:54.428
Paul Bouchier: David shared an idea for cable storage: get a tie rack and drape them over it!

02:01:52.130,02:01:55.130
David A Ackley:
https://www.amazon.com/dp/B00DW0ND2W?ref=ppx_yo2ov_dt_b_fed_asin_title

02:03:22.611,02:03:25.611
Paul Bouchier: Paul, Doug, Mike & Mark are going to meet at DMS next Sunday March 2 at noon to resuscitate Robie Robot

02:04:22.700,02:04:25.700
Pat Caron: See you next week guys