DPRG RBNV Summary – 11/03/2026

https://www.youtube.com/watch?v=Y6ls2PzqbVU&t=4s

DPRG Club Business

- **RoboColumbus 2026** - There is less than 3 weeks until the event. Are you ready? The annual competition date is set for Saturday, November 21st, moving one week earlier to avoid interference with Thanksgiving travel plans. Spectators are welcome to attend even if they do not have a robot entered in the contest. Reach out to Paul B or Mark R for event location details.

Presenters

- **Kyle W** - updated us on his robot progress. He's working on a Trick or Treating?? robot. It's a differential drive robot with a plywood base. It has a tall mast with sensors at the top.
- He is creating a Robotics SIG for a Wheeled Humanoid Robot at the Dallas Maker Space. This will possibly be a monthly meeting with each meeting having a different topic. Meetings would possibly have demos to show off ideas.
- It was mentioned that there may be existing SIG's at the DMS. Also mentioned that smaller scale robots are much cheaper to build and repair.
- He was looking for ideas on how to get funding for this SIG.
- The meeting dates are to be confirmed. Sunday Nov 15th (Science Committee meeting)

- **Paul B** - he will be presenting his Linorobot 2 robot at Comet Robotics.
- He is working with AI on programming a Cheap Yellow Display.

- He showed a Weather Station built using AI to display weather and lake levels.
- He showed a Makers Pet robot that he's trying to port Linorobot too. He's having problem with the one wheel's encoder signals! He is converting the 5V A & B encoder signal using a series of 10K resistors. He thinks this is a problem between how Linorobot's firmware gets initialized vs the Makers Pet firmware. He was impressed with how AI was able to find the cause. AI had a good grasp of the esp32's datasheet! **Black star ★** (Significant progress)

- **Tom C** - showed progress on his battery charger project. He discussed his frustration with Gemini Ai to design the circuit. He then used LTSpice to help design the circuit. He gave an in-depth review of how his circuit worked. He is ready to test on batteries!

- **David S** - played a recording of Claude AI on his and his Wife's phone. He asked them to Hum "Mary Had a Little Lamb" The results were interesting. **Black star ★** (Significant progress)

- **Pat C** - Rubic's cube solving robot