Problems

- The MQ303A gas sensors were all damaged to the point they are unusable, possibly due to issues related to the power supply. New MQ303As are expected to come in this week, and testing for voltage change for the new MQ303As will resume once the new sensors arrive.

Current Status

- The paint gun is effective at creating a mist of isopropyl alcohol. For testing purposes now, we will be using the spray gun at 20 - 30% power for a 4ft range. The power is adjusted with a PWM signal to the motor.
- We have some plots of sensor readings for the MQ-3 sensor showing how much time it takes to respond to a change in alcohol concentration.
- Encoding protocol writing has begun, and the team expects to have a preliminary version for testing on Thursday, November 9.

Task Status: Actions on Last Week's Action Items

- 1V regulator circuit is built and ready to use once the new MQ303As arrive.
- Set up a meeting in the Invention Studio paint booth to test the system for Thursday, November 9.

Planned Tasks: Action Items for the Upcoming Week

- Test the system in the paint booth again, calibrate transmission rate of the system as well as the error rate.
- Test the MQ303A's with the 1V source circuit
- Write the receiver side GUI script to display the words entered