Group: May 1738

Project: Flying flashlight

Advisor: Professor Gary Tuttle

Members: Peter Bonnie, Brady Koht, Sebastian Roe, Joseph Wickner, and Scott Melvin

- o **Weekly Summary**

  The 7th week of the semester Peter decided we needed a revamp Arduino controller that we have been using for flight control and PID tuning. Peter replaced the PlayStation Stlye Joystick with a sliding potentiometer that mimics a Radio controlled helicopter transmitter. This has provided better control and coding ability for our purposes. Our PCB was received from Oshpark late in the week. The problem with the receiving end of the XBee has been resolved. It turns out that the receiving data needs to be put through the serial rx pin of the atmega 328. This is contrary to the idea that we thought a digital pin had to be used. There are now no more spikes in the ppm values being sent to the multiiwii.

- o **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Peter	Xbee Controller V2	5	69
Brady	Xbee Controller	2	52
Scott	PCB Soldering	2	51
Sebastian	Website	1	67
Joe	PCB Soldering	2	50

- o **Plan for coming week**

  Our PCB showed up late in the week so we can begin assembling our board and hopefully begin LED control programming and more

- o **Pending issues**

  We realized the MOSFETs for our PCB were not ordered. An order was placed through Digikey.

- o **Summary of weekly advisor meeting**

There was no meeting with advisor this week.