

**Group: May 1738**

**Project: Flying flashlight**

**Advisor: Professor Gary Tuttle**

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

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○ **Weekly Summary**

For the third week of the semester we continued progress on PCB design as well as Xbee communication. While we have established communication, we are not content with the speed of communication with the command station and the quadcopter itself. Also, there seemed to be an issue with the Arduino when it actually receives the data. This is being investigated further.

○ **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Peter	Continue Updating Communication processes and protocols with Xbee	3	52
Brady	PCB Design	2	44
Scott	Flight Testing	2	43
Sebastian	PCB Design	6	45
Joe	Flight Testing	2	43

○ **Plan for coming week**

Sebastian and Brady have finished the PCB design and compiled a parts list. The design will be sent and reviewed by Professor Tuttle and Lee Harker. Solidworks drum design and parts need to be designed and ordered.

○ **Pending issues**

Slip rings will be needed for the drum/winch system and being able to find a motor or servo with enough torque to hold the tether against the quad copters tension.

○ **Summary of weekly advisor meeting**

There was no meeting with advisor this week.