HAM Meeting Notes 2/25/15

* Ideally get processor with more pins than needed
	+ Experiment with putting two I2C on same pins
* Accelerometer constantly running or sampling every second? -> power draw
	+ Pick largest value from a buffer
* Use power supply to power board without regulator and measure current for a measurement cycle
	+ Secondary oscillator as clock source instead of crystal/primary oscillator
		- Would slow down writes to memory
	+ If using regulator with battery fine
* Data analysis and output
	+ Can get idea of what they want from data
	+ Ask Dr. Rollings
* Microcontroller
	+ More pins are better
* Packaging
	+ Light sensor placement in order to get light
		- Light pipe?
		- Necessary material
		- Recalibrate at end
* Work with Real Time Clock
	+ Turn on /check secondary oscillator
* Power testing
* Eagle Design
* EAGLE Part
* Stretch pins a little longer to make easier to sauter
* Packages are common; harder part
* Looking at right view (top vs bottom)

Data Output Mode

* Need way to check if data collection or data output mode
* Check transmit buffer
* Lower baud rate to help check to see if too slow or too fast