Meeting Notes:

2/5/13

* Rangefinders:
  + Wide beam rangefinders unavailble in US
  + Switch to narrow beam?
  + Important to have accurate rangefinders- main part of project
  + More costly, but worth the cost
* Lasers
  + Got the ones off amazon.
  + Cheaper. 5mW green
* Sound
  + Need to consider other microcontroller requirements -a to d circuits
    - Second microcontroller by lasers responsible for sensing lasers sending info to main microcontroller
  + Unity gain buffer because of longer board distances
  + Wave tables - to start only save to play one note, work on duration later on
  + How do you store a wave file and send it to speakers
    - break it up in time samples and send to d to a and amplify
    - mp3 require coding and decoding
* Fog machine
  + Will it interfere with sensors?
    - need to test with sensor to find out
  + Shouldn’t set off a smoke alarm
* Next week
  + Test fog machine with sensors
  + Test lasers upon arrival
  + Concrete plan for generating the music notes
* Power source
  + Based on amp
  + Could use a powered amp