Minutes for **24January, 2012** Team Silent Rave

Team Leader: **Eric Nolan**
Secretary: **Michael Sizemore**

Team members in attendance:
Michael Sizemore, Mark Wurzelbacher, Sara Taylor, Eric Nolan

Review of Last Meeting

Review of completed works
Unresolved issues

Meeting Summary

Resolution of last week's issues

- Resolved microphone selection: we will use the smaller mics but
- 3D printer available? One exists at ND at least in industrial design, perhaps to create a case that would clip on to an ipod
- Rich Strebbinger in mechanical engineering can point us in the right direction
- We will not use a microcontroller for interface
- Will use I2C
  - make sure you have the pull ups and that the addressing makes sense
- Batteries
  - we though cell phone batteries might be suitable in price and power
  - Should we go with 3.7 V battery
    - the max of our chips is 5 V
    - look at discharge characteristics to ensure our battery choice will work for a long time.
  - Match the charging circuit to battery chemistry
- Recharging
  - Use USB port to recharge battery
  - They probably make external chargers for cell phone batteries, likely use micro-USB connection but will require charging circuitry. Can you use the product while it's charging?
- Quick prototyping headphones
  - how pricey?
  - how accessible are the signals?

        - If those are fine then go for it
    - DSP programming environment
        - Schafer will contact Johannes
    - Website information?
        - Yakov was going to make a template, Schafer will check with him again
    - Board will be here on Thursday, Jan 26th
    - External A/D doesn't have a development board
        - Schafer might have an adaptive board
    - Don't forget about mounting holes!
    - Check to make sure of restrictions for running signals under packages

Work to be completed

- Start work on board design
- select charging circuitry and battery
- figure out if prototyping headphones can be used for our purposes

New issues

Unresolved Issues

See above
Weekly assignments

Schafer: - contact Johannes about installing DSP programming environment
- check with Yakov about web site template

Team: - send Schafer the spec sheet on the external A/D