**Gore Bio-Electric Staff Meeting – September 20, 2017**

**Meeting started at 5:30 pm**

**Members Present**

Tim O’Rourke

Bray Moll

Andrew Mullen

Justin Havely

Zaoyi Chi

Ariel Autrand

Diego Garcia

Qingkun Liu

**Members Not Present**

**Research Review**

* We have narrowed down the generation methods to piezoelectric and inertial generation as they seem to be the most promising.

**Team Member Updata**

* **Ariel:** Start loooking into super capacitors as a way to manage the power output
* **Zaoyi:** Look into batery charging cycles and methods
* **Quinkun:** Designed a rectifier chip that could be used to convert an AC sygnal to DC
* **Justin:** Define how big of a reservoir we would need and how big a capacitor we would need. (The number 360-720 microwatt hours was thrown out as an initial value)
* **Andrew:** Looked into medical applications that use naturally piezoelectric materials in the body and did not find any
* **Tim:** Looked into the piezoelectric properties of bones
* **Bray:** Found that thermoelectric was most likely unfeasible for the power requirements that are desired
* **Diego:** Looked into piezoelectric manufactures.
* The report is due Friday November 10
* The Preliminary Presentation is due Wednesday November 8, 2017

**Meeting Adjourned at 5:50 pm.**

Meeting minutes Prepared by Bray Moll