

Team America

2/1/2011

Leader: Mike McSorley

Minutes: Billy Parker

### Minutes for Meeting #2

- Finalize MOSFET and high voltages for board.
- Discuss current and power values for surface mount resistors. Recommended to use 0805 parts.
- Decide where to put high voltage sensors such as ultracaps and generator output
  - Use voltage divider
  - Op-Amp Unity gain buffer should be used to present high impedance and give a clean signal.
  - 12 bit signal on the PIC18L6722 A/D converter is adequate and will be used.
- Find better connectors between boards.
- Brush up on current sensors, and decide where they will be going and how they will connect with the microcontroller.
- Test signals coming from the generator outlet before the generator turns on, there might be some signal that the starter may output that doesn't necessarily mean that the generator is on.
- Look at the GPS board that has already been made by Dr. Schafer.
- Consider using LCD for simple calculations on the subsystem demonstration.
- Meet with Dr. Bauer to discuss specifications and other items to add/subtract from project.