Weekly reports are to be emailed to atbecker@uh.edu by 5:00pm on Tuesdays. The purpose of a weekly report is to: (1) give you text and images for your papers, thesis, and dissertation, (2) document progress, (3) identify if you are stuck or need resources.

Weekly report

1. **My *Goals* from last week**
   - Connecting the net to the rest of the circuit, record a zapping moment
   - Finishing building of the net (fiber glass rods and adding in all the screws)
   - Taking our first flight test
2. **My *Accomplishments* this week**
   a. Project 1: Mosquitos vs. Drones
      - deliverable 1. *Connected the net to the converter circuit to electrify the net and recorded the spark*
        - The spark was as bigger than the spark observed with the executioner racket used previously
          - https://youtu.be/rATlM6YIREU → link to video of zap testing
      - deliverable 2. *Finishing the build of the net*
        - The net has been put together and ready to be to fly, however the weight of the net got surprisingly heavy
        - Total weight of the net: 2.09 lbs, total weight of old net: 4.26 lbs
          - I believe the weight can be reduced by not using Epoxy as a bonding element – using nylon screws to hold the net and frame together might give better results
      - deliverable 3. *Taking our first flight*
        - Ran into issues with the net and strike counts. The net can get electrified, but there were issues with the program being able to count the strikes properly
        - After 2-3 zaps, the program is throwing an I/O error
          - Possible problems: Wiring, bad connections, or EMI
3. **My *Goals* for next week**
   - Readjust the corner piece for more optimization
   - Build a control box to house all the electrical components
   - Have a successful flight test, while successfully logging strikes and GPS
   a. Meeting with Dr. Becker on Thursday, August 3rd at 3pm
4. **What I need Dr. Becker to do:**
   a. Help brainstorming solutions for the possible EMI problem.