

## **Meeting December 2, 2006**

Begins at 10:05

Members Present:

Dr. Wilson, Pablo Orpin, Dan Sewell, Paul Elliot, Erin Fulks, Brett Keller, Sarah Christensen, Megan Bush, Stephen Wagner, and Aaron Howell

Supplies that have been purchased:

1. A rocket that will serve as Dr. Wilson's level one. We can use it because it is small enough to fly on a level G motor. We should do that first thing in January.
2. We used a new hybrid motor system. If we like the motor system we can order a bigger one for the USLI

Megan reads PDR notes and Brett writes a list of what we specifically need to do.

Brett explains the difference of risks, failures, and hazards.

We all need to review the PDR and CDR. We all need to be able to write in a reasonable easy to understand manner. It will help you in more ways than just this Project. This is very important.

We are going to do our experiment with the hybrid motor system to see if we can get it off the ground some time soon in January.

We all need to go through the PDR and understand it. It is on the website:

<http://www.harding.edu/engineering/pages/USLI.html>

Brett plans to go to Westside elementary school (5<sup>th</sup> grade) to show some Rockets. It should be around 10 to 11:30. They will time how long the rocket stays in the air.

Outreach will be done in January and February after finals.

Once you do the CDR we can't change things. So it is similar to the PDR but after we do the CDR we have to stick to it.

Dr. Wilson will email Al and ask him about which rods will be available in Huntsville. Also He needs to check about Pablo since he lacks US citizenship.

Dan Sewell changes his contact information: [dksewell@gmail.com](mailto:dksewell@gmail.com)

Team nominates team names.

Flying Bison

Team Harding

The Plume Bothers

HURT

Harding Rocketeers  
Bison Mile  
Jacob's Ladder

\*Flying Bison wins.

We need some one to work on a logo and we also need t-shirts (\*ASGC, USLI, and NASA must be on the rockets. The T-Shirts need to include all three)

\*Logo must include ASGC

If your hometown newspaper includes the rocket story email the link or citation to Sarah, Paul, and/or Dr. Wilson.

This week:

Work on website- Aaron/Erin/Pablo

T-Shirts/Logo- Paul/Megan/Ed

Read PDR

- I. Design and Verification: Brett
  - a. Recovery System- Dan
  - b. Mission Performance- Pablo
  - c. Payload- Stephen
  - d. Launch Concerns- Aaron
  - e. Safety and Environment- Sarah (ground test)
- II. Testing and Design- Dan
  - a. Payload Concept- Stephen/ Pablo
  - b. Science Value- Sarah/ Ed
  - c. Safety and Environment- Aaron
- III. Activity Plan- Megan/ Erin
- IV. Summary- Brett

Do these things and then email to Sarah. If it doesn't make sense have ti explained to you because we want it to be as clear as possible. We need to know what is going on before we start building.

These changes will help us with the CDR

Set concrete date for going to Candice's class.

Send all stuff to Sarah before 5 on Friday

Meeting dismisses 11:25