Project: Instrumentation to Study the Startle Response in Primates

Week: 26 (4/18/01-4/25/01)
Client: Andy Roberts
Advisor: Willis Tompkins
Team Members: David Schmidt, Braden Rudolph, Matt Delise, Corey Arnold

PROBLEM STATEMENT: To design and construct a cage mount device for quantitation of both fast (startle), general motion, and activity of the rhesus monkey.

**RESTATEMENT OF TEAM GOALS:**

**Entire Team**

**Mechanical Team** Dave, Braden

1. Pick up baseboard and transfer to Primate Center
2. Drill holes and begin attachment process
3. Turn in ME shop waiver sheets to Bill Hagquist

**Software Team** Corey, Matt

1. Continue work with software and webpage

**SUMMARY OF ACCOMPLISHMENTS:**

**Entire Team:**

**Mechanical Team** Dave, Braden

1. Picked up aluminum plate
2. checked over plate for accuracy
3. discussed attachment procedure and further work needed to be done on force plate

**Software Team** Corey, Matt,

1. Continued work with software

**Other Individual Accomplishments:**

**STATEMENT OF TEAM GOALS:**

**Entire Team**

**Mechanical Team** Dave, Braden

1. Drill holes in baseboard
2. Put attachment mechanism together

**Software Team** Corey, Matt

1. Continue work with software

**PROJECT SCHEDULE:**

Week 15: Redo drawings
Week 16: put drawings into AutoCAD
Week 17: AutoCAD
Week 18: java improvements
Week 19: java improvements
Week 20: mid-semester presentation
Week 21: Continued consultation with Bill Hagquist
Week 22: Build Aluminum baseboard, work on java applet
Week 23: Build attachment mechanism
Week 24: Continue building attachment mechanism,
Week 25 and onward: wait for force platform to arrive….

**DIFFICULTIES:**

Our aluminum platform did not arrive until Tuesday. It proved to be very heavy and awkward and was difficult to transport.

**ACTIVITIES**

Corey: work with software (1 Hour)
Dave: picked up aluminum plate, discussed some of the attachment applications and finishing of platform, wrote progress report (2.5 Hours)
Matt: work with software, discussion of summer timetable (1 Hour)
Braden: picked up platform, discussed attachment applications and platform finishing, (2 hours)