

## **Progress Report: Device for the Presentation of Olfactory Stimuli to Monkeys**

**Names:** Sarah Kolpin, Heather Shaner, Kevin Campbell, and Wyatt Potter

**Clients:** Goran Hellekant (AHABS), Thomas Roberts, Vicktoria Danilova

**Advisor:** Professor John Webster

**Date:** April 3 - April 9, 2002

**Problem Statement:** We need to build a device to assist in research comparing the ability of young and aging monkeys to select specific odors and tastants. The apparatus should provide quickly interchangeable pairs of stimuli and provide a reward for the correct solution. Apparatus should be readily moveable from cage to cage; a simpler design is preferable.

### **Summary of Accomplishments:**

- \* Wyatt began the process of getting us into the machine shop (to build a prototype there).
- \* Professor Webster suggested that we build first using wood, and soon after move onto metal (since wood is easier to work with).
- \* We got in touch with Thomas, who offers his help on building our device.

### **Restatement of Team Goals:**

- \* Again, evaluate the mid-semester presentation.
- \* Meet with our clients Goran and Thomas to discuss the project and its future.
- \* Work on the design!

### **Statement of Team Goals:**

- \* Refine and finalize design to the point where we can create a detailed "blueprint"
- \* Get materials to build a prototype.
- \* Receive machine shop clearance to build the said prototype.

### **Project Schedule:**

#### **Week: Date: Activities**

1	25	January	form teams, select project, contact client
2	1	February	literature search; meet with client
3	8	February	develop understanding of project; develop PDS
4	15	February	brainstorm
5	22	February	brainstorm; evaluate designs
6	1	March	evaluate designs; decide on final design
7	8	March	work on design
8	15	March	<b>Mid-semester presentation</b>
9	22	March	work on design
10	29	March	<b>SPRING BREAK</b>
11	5	April	work on design

12	12	April	work on design
13	19	April	work on design
14	26	April	work on design
15	3	May	prepare poster
16	10	May	<b>Final Poster Presentation</b>
17	13-17	May	final meetings with advisors

**Difficulties:**

Sarah and Heather were unable to attend class, due to a weekend track competition.

**Hours:**

Sarah - 1.0 hours (Progress report)	Total = 33.0 hours
Kevin - 2.0 hours (class)	Total = 31.0 hours
Heather -0.5 hours	Total = 25 hours
Wyatt -- 3.0 hours (class, machine shop)	Total = 31 hours