



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Erika M. Gleim	Project Number J1909
Project Title Determining the Effects of Various Animal Hair and Temperature Variations on Cricket Behavior	
Objectives/Goals My objective was to learn if the crickets were attracted to certine types of hairs in different temperatures. I wanted to see which hairs the crickets was attracted to in warm and room temperature.	
Abstract	
Methods/Materials I used Horse, Wool, Rabbit, Cat, Dog, and Human hair. I put one of the six hairs in one side of the container I used to keep the crickets in. For the room temp. I put the hair in on one side and let the crickets have ten minutes to choose wether they are attracted to that hair or not. Reapeat that process five times for each hair. For the warm temp. you heat the hair to 86 Farinhight and then put that hair in one side of the container. You would reapeat this step five times for each hair.	
Results The crickets was attracted to the control area the most in warm temperature and was repeled to the cat hair. In warm temperature the crickets was attracted to the cat hair and the crickets repeled from the dog hair. I think this happend because of the thickness of the different animal hair and the odor the hairs let out.	
Conclusions/Discussion My hypothesis for the warm temperature was that the crickets was going to be attracted to the horse hair. My hypothesis was wrong. The crickets was attracted to the control area. I think that the crickets was not attracte to the warmth the hairs let out or the odor the hairs let out. My hypotesis for room temp. was that the crickets was going to be attracted to the dog hair. My hypothesis was wrong again. The crickets was attracted to the cat hair. I think this happened because all the other hairs was too thick.	
Summary Statement I was trying to determine which hairs the crickets was attracted to the most in warm and room temperature.	
Help Received Father helped make the container; friend and neighbor helped with giving me the animal hair.	