



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) John P. German	Project Number J2007
Project Title Let the Bird Fly Faster!	
Abstract Objectives/Goals My goal of this project is to see if a single homing pigeon will fly faster in cooler morning conditions or in warmer late afternoon conditions. Methods/Materials The materials in which I used for this project were; one homing pigeon, a timer, a thermometer, a tablet and pencil, two cell phones, a basket to carry the bird in. The method in which I used was; take the same homing pigeon in a basket 5 miles away from its loft while another person stays there with a timer, a thermometer, and a cell phone. Call the other person at the loft to start the timer at the same time the bird is let go. Time the bird untill it lands on the roof of the loft. Record the time and temperature when the bird lands on the roof for record keeping. Gather this data in the early morning and late afternoon for 4 consecutive days and present it on a graph. Results The homing pigeon consistantly demonstrated faster flight in the warmer late afternoon than in the cooler early morning. The temperature did seem to affect the flight speed of this bird. Conclusions/Discussion If a single homing pigeon is flown in the late afternoon when it is warmer, then it will fly faster than if it is flown in the early morning when it is cooler.	
Summary Statement My project is about demonstrating that a single homing pigeon will fly faster in warmer afternoon temperatures rather than in cooler morning temperatures.	
Help Received Mother helped type report; Father helped make graphs on board; Mother and Father helped me by driving to and from bird loft and also by calling me and letting pigeon go.	