



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2001 PROJECT SUMMARY

Your Name (List all student names if multiple authors.) Brenee S. King	Science Fair Use Only S1817
Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9) The Influence of Familiarity on Mate Selection Preferences in Poecilia	Division <u>S</u> Junior (6-8) <u>S</u> Senior (9-12)
Preferred Category (See page 5 for descriptions.) 18 - Zoology	
Abstract (Include Objective, Methods, Results, Conclusion. See samples on page 14.) Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.	
<p>Mollies (Poecilia) were used to determine if familiarization had an effect on mating preferences in females as well as males. Mollies were obtained from two separate stores and were placed in separate holding tanks where familiarization was allowed to occur. The male/female pairs were prevented from actual physical contact by using window screening as barriers during a specified amount of time. The male/female pairs were then placed into an observation tank along with an unfamiliar molly (either a male or female to create male-male-female or female-female-male groups) to see who would mate with whom. Statistics showed that there was a difference in the influence of familiarization in mate selection. Females chose to mate with unfamiliar males while males chose to mate with familiar females.</p>	
Summary Statement (In one sentence, state what your project is about.) The goal of my project was to see if the influence of familiarization had an effect on mate selection preferences in mollies (Poecilia).	
Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4.	