



**CALIFORNIA STATE SCIENCE FAIR  
2016 PROJECT SUMMARY**

<b>Name(s)</b> <b>Aaron J. Wolf</b>	<b>Project Number</b> <b>J1225</b>
<b>Project Title</b> <b>The Boy Who Cried WHAT?</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> The objective of this study was to determine what gender (at an adolescent age) developed better hearing during the past few millions of years of evolution.</p> <p><b>Methods/Materials</b> Computer, multiple audio tracks, some quiet voices, some loud crowded rooms, headphones, adolescent humans, equal number in each gender.</p> <p><b>Results</b> one by one, each adolescent was placed in a pitch black room in which five recordings were played to them, one was to test what the maximum frequency they could hear at was. Then the following two recordings were of one female and one male narrating the same book in different locations played quietly every time the subject hears a word that they recognize, they draw a line on the paper. After those two recordings are over, the next two play, the test how well they react to the "Cocktail Party Effect", which tests ones ability to single out words in a crowded room. After they finished these two recordings, they are let out, the results are tallied, and are placed on a graph along with many other subject's results.</p> <p><b>Conclusions/Discussion</b> After giving the experiment to a number of adolescents, organized by vocabulary level, I review the results to find that none other than the female adolescents heard better than the male adolescents.</p>	
<b>Summary Statement</b> As measured by the amount of words recognized at an adolescent age, I was able to come to the conclusion that female adolescents can hear better than male ones.	
<b>Help Received</b> I designed the experiment myself, acquired the audio tracks after an internet search on "Hearing tests", and having my project advisor review them to authenticate them as useable material.	