



**CALIFORNIA STATE SCIENCE FAIR  
2003 PROJECT SUMMARY**

<b>Name(s)</b> <b>Kristin Breeden; Sarah Luksik</b>	<b>Project Number</b> <b>J0604</b>
<b>Project Title</b> <b>Is the Weatherman Reliable?</b>	
<b>Abstract</b> <b>Objectives/Goals</b> We are comparing the observed temperature, barometric pressure, precipitation, and humidity from our personal weather stations to what was predicted in our local newspapers which were based on computer modeling. Everyday we wrote down the observations from our weatherstations. We cut out, from the newspaper, the predictions for that day. We then compared on a line graph the actual values to the predicted ones. We assumed that the predictions were going to be wrong and that they would be off of the line of the observed values. Precise weather prediction is important to many people. Weather has a strong impact on agriculture, science, transportation, and our daily lives. <b>Methods/Materials</b> Newspaper weather forecasts, home weather stations and monitors, journals. Daily comparisons of forecasts versus actual observations. <b>Results</b> Based on our findings by looking at our graphs and analyzing the data, our hypothesis that the predicted forecast is not truly reliable was proven correct. The graphs show the comparisons between the predicted temperatures and the actual daily temperatures. <b>Conclusions/Discussion</b> We found that predicting the weather is difficult because it involves human interpretation of computer data. Our results supported our hypothesis.	
<b>Summary Statement</b> Assessing the accuracy of weather predicting.	
<b>Help Received</b> Gary G. Love and Jason Nachamkin of the Meteorology Div. Naval Research Lab. Dan Luksik and Kay Breeden.	