

## CALIFORNIA STATE SCIENCE FAIR 2004 PROJECT SUMMARY

Name(s)	Project Number	
Nathan Bales; Daniel Trubey	S0701	
Project Title		
Earthquake Precursor Detection		
Objectives/Goals Abstract		
We are trying to see if we can build a radio receiver sensitive end which is know to contain earthquake precursors.	ough to detect in the DC-30 Hz range	
Methods/Materials We built an inductor coil as our antenna, a receiver circuit, power digital converter to connect it all to a PC. We used an oscilloscop to eventually use a program that came with the ADC to plot the d	pe to take measurements and are planning	
<b>Results</b> When we hooked the receiver, antenna, and power supply up to c what looks like to be the right kind of signals coming out of the r	our oscilloscope we found that we got	
Conclusions/Discussion We conclude that the receiver is sensitive enough to detect in the	DC-30 Hz radio wave range.	
Summary Statement		
We are testing the ability of a receiver to detect earthquake precu	rsors.	
Help Received		
<ul><li>Richard Trubey helped with general electronics questions.</li><li>Bruce Mount helped with more in-depth electronics questions that Charlie Plyler made the schematics we used for the receiver circuit</li></ul>		