



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2001 PROJECT SUMMARY

Your Name (List all student names if multiple authors.) Anthony L. Merz	Science Fair Use Only <h1 style="margin: 0;">J1617</h1>
Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9) The Stressed Radish	Division <input checked="" type="checkbox"/> Junior (6-8) <input type="checkbox"/> Senior (9-12)
Preferred Category (See page 5 for descriptions.) 16 - Plant Biology	
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>The problem is, "Does Air Pressure Affect the Way Radish Seeds Grow?" It is hypothesized that Radish seeds grown in a high air pressure situation will grow faster than those in a low air pressure situation. A brief procedure of the experiment is as follows.</p> <ol style="list-style-type: none"> 1.add 2 cups of potting soil & 1 cup of water to each of the 9 soda bottles 2.add 20 radish seeds to each of the 9 bottles 3.drill 3/8# hole in each of 3 soda bottle lids. Insert a tire stem in each of the 3 lids 4.screw the 3 lids on the 3 bottles 5.label High pressure & pump up to 24psi 6.put 3 of the bottles in the pan of hot water 7.cap of the bottle and put in a pan of cold water 8.label Low pressure 9.leave the last three bottles with no lids on 10.label room pressure (control) 11.place in sunny spot 12.take daily observations <p>The results of this experiment were not conclusive and but seem to support the hypothesis.</p>	
Summary Statement (In one sentence, state what your project is about.) This project tests the affects air pressure has on radish seed growth.	
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. I received help on my project from my father, my science teachers - Mrs. Stanley and Mr. Hodges and a friend, Mr. Riel.	