



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Alison R.M. Richins	Project Number 22276
Project Title The Self-Sipper	
Abstract Objectives/Goals The goal of my invention was to create a cup for people who have difficulty drinking liquids due to permanent or temporary disabilities. Methods/Materials After visiting a hospital I saw patients who required assistance drinking and some who had liquid tea-spooned into their mouths. At my school, there are students who need assistance drinking. I wanted to think of a way to foster independence of patients and students with limited abilities and allow them to drink on their own. Also I noticed that some patients could not suck liquids through a straw due to surgery or stroke. I had to think of a way to get liquid into the mouth without sucking and without spilling. Results My finished product, "The Self-Sipper," is a device that allows a patient to drink with one hand and push a button to syphon liquids into their mouth. With the use of one hand, a person can syphon liquid into their mouth without on their own. Conclusions/Discussion The "Self-Sipper" can be used for home or hospital use. It fosters independence in patients and is	
Summary Statement A one-handed, self syphoning cup for people with limited abilities.	
Help Received Interviewed neighbor about cups used at the Stanford Stroke Center. Mother helped get supplies.	