CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY

Name(s)
Dave C. Andersen

Project Number
22896

Project Title
Non-Chemical Methods of Sterilizing Water

Abstract

Objectives/Goals
My experiment tested the effectiveness of non-chemical water sterilization processes. I believed that non-chemical methods could be just as effective as the standard methods (chlorine).

Methods/Materials
I sterilized samples of lake water using the various non-chemical methods, then I streaked them into petri dishes.

Results
I discovered that most of the methods were sucsessful in killing bacteria

Conclusions/Discussion
My hypothesis was correct becuase several of the methods were sucsessful in killing bacteria. If i did this experiment again I would also test chlorine.

Summary Statement
My project tested the effectiveness of non-chemical methods of water sterilization

Help Received
Used vacuum chamber and pressure shamber at Northrop Grumman