

CWSF 2006 - Saguenay, Québec



Kathleen Szymanek

Mach 1: The Speed of Sound

Division: International

Category: Intermediate

Region: Central Alberta

City: Eckville, AB

School: Spruce View School

Abstract: The purpose of this project was to calculate the speed of sound in air using the principle of acoustical resonance, a tuning fork, and a pipe with one open and one closed end. The speed of sound was found to be 336.5 meters per second, a very reasonable calculation considering the altitude and the temperature of the room the experiment took place in.