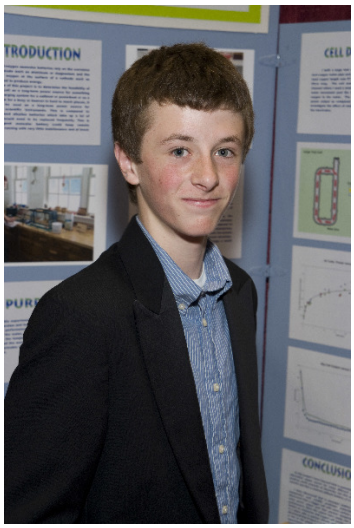
CWSF 2008 - Ottawa, Ontario



Simon Trivett

Ocean Power

Division: Health Sciences / Environmental Innovation
Category: Junior
Region: Prince Edward Island
City: Stratford, PE
School: Stonepark Intermediate School

Abstract: In this project I designed a seawater battery to test its feasibility as a long-term alternate power source. I built two small cells using aluminum and copper, a large cell with copper and magnesium. I tested the effects of the water's salinity, temperature,and electrolysis at the surface. I discovered that water temperature affects performance marginally more than the salinity and electrolysis has no effect

Biography

I am 13 years old and attend grade eight at Stonepark Intermediate School in Charlottetown, PEI. I enjoy mountain biking and am a member of the Ridged Riders mountain bike team. Last fall I won the final season race called the "8 Hour Grunt." I also enjoy running and last fall I was a member of the Stonepark cross-country team. I came 4th place in the provincial meet and I will hope to compete in the upcoming Track and Field team for my school. I have been playing the double bass for 3 ½ years now and I am currently a member of the Senior Singing Strings Orchestra. This summer I will be attending an international youth orchestra festival in Italy and touring other parts of Europe. I also enjoy doing anything outside and I love to kayak, sail, and swim. For a future career I would like to either be an engineer or architect.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: University of Western Ontario	$1 000
Bronze Medal - Engineering - Junior Sponsor: Youth Science Foundation Canada	$300
Total	$1 300