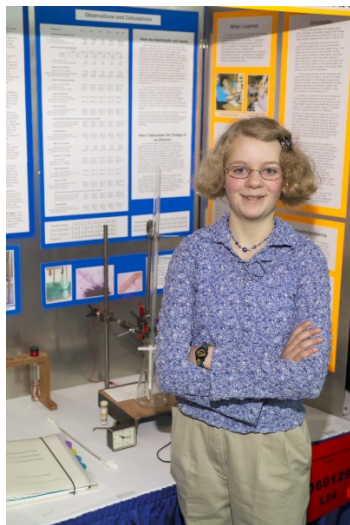


# CWSF 2005 - Vancouver, British Columbia



## Alice Jourmel

### Measuring the Charge of Electrons

**Division:** Physical & Mathematical Sciences

**Category:** Junior

**Region:** Vancouver Island

**City:** Duncan, BC

**School:** George Bonner Middle School

**Abstract:** An electrolytic cell was used to produce hydrogen gas from an electrolyte and positive copper ions. The volume of the gas produced and the current flow was measured and then calculations using Avogadro's Law, Avogadro's number, and Faraday's Law were done to determine the charge.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Physical & Mathematical Sciences - Junior Sponsor: Encana Corporation	\$300
Total	\$1 300