

# CWSF 2006 - Saguenay, Québec



## Christopher Syposz

### Nitrogen Lasers

**Division:** International

**Category:** Intermediate

**Region:** Northwestern Ontario

**City:** Thunder Bay, ON

**School:** St. Patrick H.S.

**Abstract:** This project deals with the effect of various variables including electrode design, on efficiency, power output, and other characteristics of a homemade Transverse Atmospheric Discharge nitrogen laser powered by a Van De Graff generator. It also looks at the feasibility of a nitrogen laser with a resonant cavity.

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 - Intermediate Sponsor: Encana Corporation	\$300
Total	\$1 300