THE SYNCHROTRON CREW: BISHOP GRANDIN HIGH SCHOOL GOES TO THE « TOON »

Early in March, a group of Physics 30 students along with Mr Smith and Mrs. Czentye visited the city of Saskatoon to work on a research project in collaboration with Dr Robert Blyth and Tracy Walker of the Canadian Light Source.

These students and their teacher began the work for this trip long before the actual three days spent at the CLS (Canadian Light Source). However, the pinnacle of the project was using the SGM beam line to investigate the mineral content of a commercial supplement and that of fruit. The purpose of the research project was to see if the synchrotron could identify

minerals and through analysis, do some comparative work with the natural vs. artificial sources.

Arriving at the CLS they spent the first day becoming familiar with the operation of the facility and discussing with Dr Blyth what samples to use in their experiment. Day two was one of testing samples and looking at the results obtained. On the third and final day the students gave a presentation to the facility members of the institute on the results of their experiment. Among the audience members were a range of

graduate students, physicists, teachers and none other then the director of the institute who was very impressed with the work the students did and the quality of their presentation.

The three days spent in Saskatoon were very busy but there was time for a bit of leisure as well; braving -35^{0} C temperature for two of the three days, we had the opportunity to visit the local eateries, challenge our bowling skills, shop the "extensive" mall and go to a movie.

We would like to thank Dr. Blyth and Tracy Walker for time and help they provided so our group could partake in this "opportunistic experience". These seven young ambassadors were some of Bishop Grandin High School's most diligent, cooperative and dedicated students. Thanks and congratulations to Rachel Feddema, Jeremy Gosselin, Glenn Hamonic, Erin Kelly, Alex Mulvenna, Thomas Russell, and Evan Stack.