

with alleged victims of chemical weapons use, and a study of the "Yellow Rain" phenomenon. All of these studies have been submitted to the Secretary-General of the United Nations.

Canada is also working to overcome the significant political and technical obstacles to a Comprehensive Test Ban Treaty, not least of which is the verification of an eventual treaty. At present, there is a great deal of disagreement regarding the technical capabilities for detecting and determining the nature of particular seismic events. Canada has been an active participant in the CD's Seismic Experts Group, committing personnel, resources and funding to Energy, Mines and Resources in order to have Canada represented at the Group and to upgrade existing seismic equipment in Canada.

In 1984, Canada participated in a 40-nation International Seismic Data Exchange designed to determine the scope and capability for seismic verification of a CTB. Canada provided 15 percent of the data collected during this exercise. It is widely recognised that Canada has some of the world's leading experts in this field as well as some of the most sophisticated seismological equipment available for this purpose. The ability to verify a CTB is fundamental to the eventual negotiation of a treaty.

Outer space is another major item on the CD's agenda. Commissioned by External Affairs, Spar Aerospace undertook a feasibility study on remote space to space sensing to determine the function of an unknown satellite in space. These findings will significantly assist in determining exactly what sort of verification provisions might be necessary and possible in an eventual treaty prohibiting weapons in outer space.

External Affairs' study of international law relevant to outer space (see "The Future Role of Law" Page 00) will also prove helpful in achieving an outer space agreement.

In addition to its work on these major CD issues, Canada has also undertaken a number of projects relating to the negotiations in Stockholm and Vienna. These include:

- seminars and papers on the general question and concept of arms control verification;
- a Carleton University, Ottawa, "mini-series" of seminars on verification relating to arms control negotiations in Europe;