

principally those dealing with aeronautics and aircraft, although many other investigations are made, such as wind pressures on buildings, stacks and other structures, draught in chimneys, ventilators, etc. The Toronto Wind Channel is four feet square in section and speeds of from sixty to seventy miles per hour may be secured.

From its inception there has been very close co-operation maintained between the Laboratory and the Canadian Air Board and later the Royal Canadian Air Force of the Department of National Defence. Investigations and tests have been carried out for the Air Force, and researches made at its suggestion. Problems peculiar to Canada are dealt with principally. Work has also been done for other Government Departments, notably a very extensive study of wind velocity meters in co-operation with the Meteorological Service. In addition, the laboratory may be used, as time permits, for tests and investigations for manufacturers and others.

Since the Laboratory is the only one of its kind in Canada, its importance as a national asset, rendering Canada independent in this respect, is obvious.