

and both drum and cone together when it is thought that the storm will be heavy; the apex of the cone downwards indicates southerly and easterly directions, and upwards northerly and westerly.

Each morning some 85 copies of the weather chart are made by means of a duplicating machine, the Mimeograph, and supplied to the Toronto newspapers, to the Board of Trade, and to such business people who will engage to post them where they will be seen by the Public.

Arrangements have also been made with the G.N.W. Telegraph Company whereby a more comprehensive weather bulletin than is issued to the majority of places should be published each forenoon simultaneously at Quebec, Montreal, Ottawa, Hamilton and London, containing the same information as had for some time previously been published in Toronto, St. John and Halifax. This bulletin in my opinion fills all actual requirements as regards supplying such meteorological information as is possible in the present state of the science of Meteorology.

As regards the usefulness of the Service, first in importance are the warnings issued to Lake and Ocean Shipping of the approach of gales. This work is considered of great value at all fishing points, so much so that few fishermen will now take the risk of going to sea when the signals are displayed, although when the Service was first started the mariner thought himself the best weather prophet until he learnt otherwise from experience.

The long period forecasts covering two or three days and given gratis to all who ask for them, are perhaps the most useful branch of the Service. Shippers of perishable goods, wines, ales &c., are constant enquirers as are also large slaughter and packing houses.

The bi-daily forecasts issued at 10 a.m. and 10 p.m. and published in all the newspapers as well as at all Telegraph Offices from Manitoba to the Maritime Provinces are a very important branch