

in the same parallels with Maine, Vermont, New Hampshire, and nearly the whole of New York and Massachusetts on the east, and with Michigan on the west. Our north-eastern border, moreover, adjoins Labrador, and extends far into the Hudson's Bay Territory. We therefore meet in the western part of the province many plants having decidedly a southern character, and some of a peculiarly western type; while on Anticosti and the neighboring shores are found alpine species till recently unobserved south of the Labrador coast.

While the remarkable natural extension of our boundaries has the effect of including within our limits many interesting plants, other causes have also exerted their influence. Apart from the characters of soils, as their looseness and temperature, there is one cause—the chain of great lakes—which must exert a very considerable influence upon the vegetation of Canada. These bodies of water, on account of their great extent and depth, have an equalizing effect upon the temperature of the air near their shores, the water not being subject to those sudden extremes of heat and cold which we observe in the atmosphere. The great amount of evaporation, constantly taking place over the broad surface of each lake, also tends to make the neighboring air more moist than in inland localities. A similar effect being produced upon the sea-coast, instances of alpine and sub-alpine plants occurring far down on the coast-line are not rare.

In taking a general view of the distribution of the various species of plants which occur in Canada,—excluding mosses, lichens, and lower forms,—I think that the following types will be readily recognized :

- I. CANADIAN TYPE.—Species generally distributed through the whole or greater part of the province.
- II. ERIE TYPE.—Species chiefly restricted to the district bordering Lake Erie.

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NOTE.—In addition to published catalogues of plants, I have to acknowledge having received much valuable information from lists made at the following places :—Newfoundland, J. Richardson of Geol. Survey, coll. in herb. Bot. Soc. Can.; Gaspé, J. Bell, B.A.; Quebec, J. Richardson, coll. in herb. Bot. Soc. Can.; L'Original, J. Bell, B.A.; Carleton Place, J. Bell, B. A.; Ramsay, Rev. J. K. McMorine, M.A.; Brockville, R. Jardine, B.A.; Belleville, J. Macoun. My own collections have been chiefly made at Montreal, among the Thousand Islands, at Kingston, Stone Mills, Cobourg, Collingwood, Niagara Falls, London, and Port Stanley.—A. T. D.