

CONTRIBUTIONS TO THE CLIMATOLOGY OF BRITISH NORTH AMERICA.

REMARKS ON THE PROGRESS OF CLIMATOLOGICAL ENQUIRY IN CANADA DURING THE YEARS 1869-70, WITH SUGGESTIONS FOR ITS FURTHER ADVANCEMENT.

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In the *Year-Book* for 1870, I gave a general sketch of the objects to be sought and the means to be employed in prosecuting climatological enquiries, and accompanied that sketch by a few facts chiefly deduced from the Toronto observations. In the present article I purpose to give a brief account of the progress that has been made during the past year in collecting meteorological data from stations previously existing, and in organizing new points of observation. I shall also give a few deductions from documents that have been placed at my disposal, and make such remarks regarding future operations as have been suggested by the experience of the past year.

My report of the progress made in the collection of meteorological data will be chiefly confined on the present occasion to a simple enumeration of the previously existing stations that have been brought into systematic communication with the Toronto observatory, and of the new stations that have been started since the *Year-Book* for 1870 was printed, with an accompanying statement of the nature and extent of the observations made, and of sundry circumstances that have attended their establishment.

In the following list the class of observations made at a station are indicated by the numerals I, II, III, IV:—

At stations marked I., observations are made of rain and snow only.

At stations marked II., observations are made of rain and snow with two daily readings of the thermometer.

At stations marked III., observations are made of rain and snow, with observations three times daily of temperature, cloud, and wind, with or without readings of self-registering thermometers.

At stations marked IV., all, or nearly all, the ordinary observations are made at least three times each day.

Stations that were in operation prior to 1869 are indicated by an asterisk (*)

METEOROLOGICAL STATIONS in correspondence with the Magnetic Observatory, Toronto:—

Station.	Class of observations.	Observer.	Station.	Class of observations.	Observer.
<i>Ontario.</i>			<i>Quebec.</i>		
North Gwillimbury, Lake Simcoe	III.	Rev. Canon Ritchie.	Montreal*	IV.	Dr. Smallwood.
Georgina, Lake Simcoe	I	Capt. Sibbald, R.N.	Quebec, Citadelle*		Captain Ashe, R.N.
Weston, Cy. of York	I.	Rev. W. F. Checkley.	Quebec, R. A. Officers' Mess Room*	IV.	Lieut. Murray, R.A.
Collingwood, Georgian Bay	I.	Mr. Parlane.	Quebec, St. John's Suburbs	I.	School of C. Brothers
Markham	I.	Mr. J. H. Hughes.	Huntingdon, County of Huntingdon*	III.	Dr. Sheriff.
Stayner, H. R'y Station	III.	Mr. R. J. Cole.	Rimouski	IV.	Mr. W. B. Owen.
Bramley, N. Railway Station	III.	Mr. J. Hill.	<i>Nova Scotia.</i>		
Aurora, N. R'y Station	III.	Mr. S. Fry.	Halifax*	IV.	Mr. F. Allison.
Widder, County of Lambton	II.	Rev. P. Goodfellow.	Truro	III.	Mr. H. A. Grey.
Woods.ock, C. L. Institute	I	Mr. J. Montgomery.	Windsor, Hants.	IV.	Mr. W. Bowman.
Thornhill, N. Railway Station	II	Mr. J. Duncan.	Sydney, Cape Breton.	III.	Mr. T. C. Hill.
Albion, County of Peel	III.	Dr. Hickman.	Glace Bay, C. Breton*	IV.	Mr. H. Poole.
Dundas, G. W. Railway Station	II.	Mr. J. Geddes.	Amherst, Cape Breton	II.	Mr. J. A. Black.
Glencoe, G. W. Railway Station	II	Mr. Wm. Hayden.	Rawdon, Hants.	II.	Rev. C. Bowman.
Fitzroy Harbour, Upper Ottawa	III.	Rev. J. Tait.	Pictou	IV.	Mr. H. A. Bayne.
Ingersoll, G. W. Railway Station	II.	Mr. J. Lewis.	Yarmouth	IV.	Mr. H. C. Creed.
Paris, G. W. Railway Station	II.	Mr. H. C. Wynn.	Digby	III.	Mr. H. H. Taylor.
Sneddie, Cy. of Grey	III.	Dr. A. C. Sloane.	<i>New Brunswick.</i>		
Kincardine, L. Huron	III.	Dr. DeWitt Martyn.	St. John's*	IV.	Mr. G. Murdoch.
			Bass River, Kent*	III.	Rev. J. Fowler.

From the stations named in the foregoing list, returns, with occasional interruptions, are transmitted every month to the Toronto observatory, and remain there for future reference. In addition to