

IV. Monthly Report on Meteorology of the Province of Ontario.

I. ABSTRACT OF MONTHLY METEOROLOGICAL RESULTS, compiled from ten Grammar School Stations, for October, 1870.

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Table with columns: STATION, BAROMETER AT TEMPERATURE OF 32° FAHRENHEIT, TEMPERATURE OF THE AIR, TENSION OF VAPOUR. Includes data for Pembroke, Cornwall, Barrie, Peterborough, Belleville, Goderich, Stratford, and Windsor.

Approximation. a On Lake Simcoe e Near Lake Ontario on Bay of Quinte. f On St. Lawrence. g On Lake Huron. h On Lake Ontario. i On the Ottawa River. j Close to Lake Erie. m On the Detroit River. k Inland Towns.

Table with columns: STATION, HUMIDITY OF AIR, WINDS, NUMBER OF OBSERVATIONS, ESTIMATED VELOCITY OF WIND, AMOUNT OF CLOUDINESS, RAIN, SNOW, AURORA S. Includes data for Pembroke, Cornwall, Barrie, Peterborough, Belleville, Goderich, Stratford, and Windsor.

Where the clouds have contrary motions, the higher current is entered here. Velocity is estimated, 0 denoting calm or light air; 10 denoting very heavy hurricanes. At Goderich, on Sunday, 30th October, at 9 P.M., the Barometer stood 28.505, and the range from 9 P.M., 29th, to 9 P.M., 30th, was .984. At Stratford, on Sunday, 23rd October, at 10 A.M., the Barometer stood 29.148, and the range from 9 P.M., 29th, to 5 P.M., 30th, was .607. At Simcoe, on Sunday, 30th October, at 5 P.M., the Barometer stood 28.387.

REMARKS.

Pembroke.—On 18th, mountains north of the Ottawa white with snow some hours in forenoon. 20th, smart shock of earthquake felt at 10.50 A.M., accompanied by a rumbling sound; duration about thirty seconds; extent of vibration on second flat about two inches; direction E.-W. 31st, a few sleighs running. Lightning and thunder, with rain, 27th. Wind storms, 18th, 23th. Fog, 7th. Snow, 18th, 29th, splendour; melted away in WH at midnight; this aurora was of an 1st, 3rd, 4th, 11th, 13th, 15th, 17th, 18th, 20th, 21st, 25th, 27th, 31st.