A

TORNADO PROJECT SUMMARY SHEET

F = 1 plotted ONT

1. DATE AND TIME 26. 5. 1860

2. LOCATION OR PATH (attach map) VCNTY AURORA TO GORMLEY

3. PATH LENGTH ☐ NOT KNOWN ☐ <1 mi; ☒ 4 1-4mi; ☐ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF>50mi

4. PATH WIDTH 100 RODS 5. TORNADO PART OF SQUALL LINE? ☐ YES; ☐ NO; ☑ UNKNOWN:

6. ANY UNUSUAL COLORATION? ☐ YES; ☐ NO; ☑ UNKNOWN

7. ANY UNUSUAL SOUND? ☐ YES; ☐ NO; ☑ UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE;

9. LIST ANY ASSOCIATED PHENOMENA (Such as hail, vivid lightning heavy rain, no rain, etc.) HAIL 3.5 inches diameter.

10. TOTAL DAMAGE ESTIMATE $UNKNOWN 11. TOTAL DEATHS 3 CATTLE.

12. TOTAL INJURED NONE 13. TOTAL HOMELESS SEVERAL

14. LIST ALL REFERENCES

COLONIST, DATELINE UNKNOWN

NEWMARKET NEW ERA, DATELINE UNKNOWN.

(Date obtained from Globe, Toronto, Tue May 29, 1860

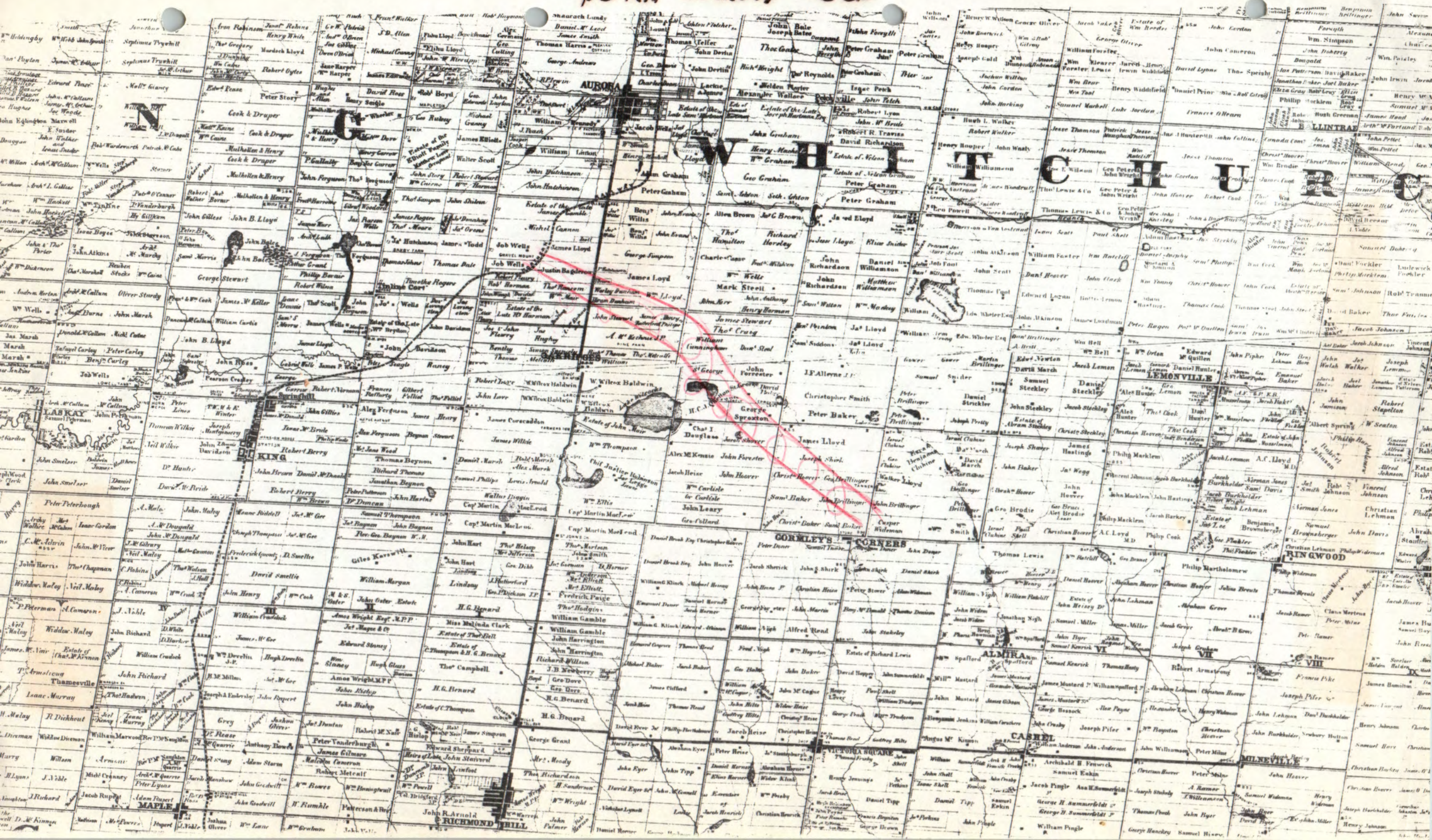
15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

(a) FROM NEWMARKET, ABOUT 5 MILES AWAY THE TORNADO LOOKED LIKE A WATER-SPOUT AND WAS PLAINLY VISIBLE.

(b) HOUSES DEMOLISHED AND HUGE TIMBERS TWISTED ABOUT LIKE PLAYTHINGS. CATTLE LIFTED INTO THE AIR AND THE WATER SUCKED OUT OF LAKE WILCOX, 2 CHILDREN NEARLY CARRIED AWAY. BUSH AND ORCHARDS COMPLETELY FLATTENED.


NOTTAWASAGA BAY
SIMCOE
LAKE SIMCOE
718'
SIMCOE
DUFFERIN
PEEL
HALTON
YORK
METROPOLITAN TORONTO
ONTARIO
COLLINGWOOD
STAYNER
NOTTAWASAGA
SUNNIDALE
BARRIE
ORILLIA
MIDLAND
PENETANGUISHENE
MEDONTE
TINY
TAY
FLOS
ORO
VESPRA
ESSA
INNISFIL
TOSORONTIO
MULMUR
MELANCTHON
OSPREY
CLEARVIEW
NEW TECUMSETH
ADJALA
GEORGINA
BROCK
SCUGOG
UXBRIDGE
PICKERING
AURORA
NEWMARKET
WHITCHURCH-STOUFFVILLE
MARKHAM
RICHMOND HILL
VAUGHAN
SCARBOROUGH
NORTH YORK
ETOBICOKE
MISSISSAUGA
BRAMPTON
CALEDON
ALBION
CHINGUACOUSY
ERIN
ESQUESING
NASSAGAWEYA
PUSLINCH
GUELPH
CAMBRIDGE
BURLINGTON
OAKVILLE
MILTON
GEORGETOWN
ERAMOSA
EAST GARAFRAXA
AMARANTH
MONO
MELANCTHON
MULMUR
TOSORONTIO
ESSA
INNISFIL
BARRIE
ORILLIA
MATCHEDASH
GEORGIAN BAY ISLANDS NATIONAL PARK
CRAIGLEITH PROV. PARK
WASAGA BEACH PROV. PARK
DEVIL'S GLEN PROV. PARK
SPRINGWATER PROV. PARK
EARL ROWE PROV. PARK
BASS LAKE PROV. PARK
SIX MILE LAKE PROV. PARK
SIBBALD POINT PROV. PARK
MARA PROV. PARK
Collingwood
Wasaga Beach
Stayner
Alliston
Beeton
Tottenham
Orangeville
Shelburne
Newmarket
Aurora
Uxbridge
Stouffville
Markham
Pickering
Ajax
Whitby
Oshawa
Brampton
Georgetown
Milton
Oakville
Mississauga
Etobicoke
Toronto
Scarborough
Port Credit
Streetsville
Bradford
Barrie
Orillia
Midland
Penetanguishene
Gravenhurst
Bracebridge
Huntsville
Parry Sound
Lake Simcoe
Georgian Bay
Nottawasaga Bay
Kempenfelt Bay
Cook Bay
Matchedash Bay
Thunder Bay
Christian Island
Beausoleil Island
Fesserton
Victoria Harbour
Port McNicoll
Martyrs' Shrine
Sturgeon Bay
Coldwater
Waubaushene
Port Severn
Severn Falls
Swift Rapids
Muldrew Lake
Kilworthy
Kahshe Lake
Sparrow Lake
Port Stanton
Lovering
Mount Stephen
Maple Valley
Hampshire Mills
Buena Vista Park
Cumberland Beach
Uhthoff
Foxmead
Medonte
Orr Lake
Hobart
Creighton
Carley
Mount St. Louis
Hillsdale
Elmvale
Allenwood
Wyevale
Waverley
Bluewater Beach
Deanlea Beach
Wendake Beach
Woodland Beach
Allenwood Beach
New Wasaga Beach
Lafontaine
Wymbolwood Beach
Nottawaga Beach
Cawaja Beach
Balm Beach
Ossossane Beach
Wahnekewaning Beach
Perkinsfield
Wyebridge
Elliotts Corners
Melduf
Moonstone
Eady
Fair Valley
Warminster
Marchmont
Brices Corners
Parkside Beach
Barrillia Park
Oro Beach
Oro Station
Guthrie
Midhurst
Crown Hill
Oakland Hills
Shanty Bay
Kempenfelt
Big Bay Point
Minet Point
Ferndale
Grenfell
Painswick
Sandy Cove
Glenwood Beach
Bon Secours
Alcona Beach
Nantyr Park
Snake I.
Crescent Beach
Island Grove
Eastbourne
Roches Point
Orchard Beach
Belhaven
Baldwin
Keswick
Indianola Beach
Elmhurst Beach
Beverley Hills
Ravenshoe
Mount Pleasant
Brown Hill
Cedarbrae
Udora
Vallentyne
Cedarhurst Beach
Thorah Beach
Maple Beach
Georgina Island
Duclos Point
Jacksons Point
Franklin Beach
Briars Point
Virginia Beach
Virginia
Pefferlaw
Wilfrid
Derryville
Sutton
Georgina
Bell Ewart
Churchill
Lefroy
Killarney Beach
Bayview Beach
Gilford Beach
Fennell
Deerhurst
Coulson's Hill
Nicolston
Randall
Pinkerton
West Gwillimbury
Bradford
River Drive Park
Queensville
Holland Landing
Sharon
Ansnorveldt
Cedar Valley
Vivian
Siloam
Pine Orchard
Pleasantville
Bogartown
Armitage
Glenville
Dunkerron
Penville
Tottenham
Beeton
Bond Head
Tecumseth
Alliston
Beeton
Honeywood
Redickville
Black Bank
Terra Nova
Everett
Cookstown
Elmgrove
West Essa
Mansfield
Horning's Mills
Corbetton
Melancthon
Riverview
Primrose
Violet Hill
Rosemont
Thompsonville
Shelburne
Jessopville
Granger
Relissey
Sheldon
Adjala
Loretto
Kerrsanville
Athlone
Hockley
Colgan
Crombie
Mono Centre
Camilla
Whittington
Woodside
Glen Cross
Lucille
Connor
Ballycroy
Laurel
Amaranth
Dufferin
Orangeville
Waldemar
Palgrave
Mono Mills
Hockley
Melville
The Maples
Alton
Caledon
Caledon East
Caledon Village
Mono Road Station
Reading
Mayville
Cataract
Belfountain
Erin
Cedar Valley
Hillsburgh
Orton
Simpsons Corners
Inglewood
Terra Cotta
Ospringe
Ballinafad
Eramosa
Speedside
Ennotville
Everton
Barrie Hill
Brucedale
Centre Inn
Crewsons Corners
Limehouse
Norval
Stewarttown
Huttonville
Churchville
Meadowvale
Derry West
Malton
Brampton
Glen Williams
Bramalea
Castlemore
Tullamore
Claude
Campbells Cross
Victoria
Mayfield
Cheltenham
Brisbane
Shiloh
Mimosa
Chinguacousy
Snelgrove
Woodhill
Graham's Ville
Claireville
Elder Mills
Dam Pine Grove
Woodbridge
Edgeley
Concord
Vellore
Maple
Carrville
Richvale
Teston
Kleinburg
Purpleville
Nashville
Coleraine
Wildfield
Sandhill
Kalmanagh
Sligo
Forks of the Credit
Brimstone
Simpsons Corners
Orton
Hillsburgh
Belfountain
Cedar Valley
Erin
Mimosa
Brisbane
Shiloh
Cheltenham
Victoria
Mayfield
Claude
Campbells Cross
Tullamore
Castlemore
Toronto Gore
Ebenezer
Humber
Clairville
Woodhill
Graham's Ville
Snelgrove
Chinguacousy
Erin
Esquesing
Rockwood
Dam
Acton
Norval
Stewarttown
Huttonville
Churchville
Meadowvale
Derry West
Malton
Brampton
Glen Williams
Bramalea
Castlemore
Tullamore
Claude
Campbells Cross
Victoria
Mayfield
Cheltenham
Brisbane
Shiloh
Mimosa
Chinguacousy
Snelgrove
Woodhill
Graham's Ville
Claireville
Elder Mills
Dam

York County 1860


NEWMARKET
WHITCHURCH
AURORA
KING
Springhill
LASKAY
Thornhill
Thornhill
Thornhill

(19)
MAY 24 1860

SINGULAR PHEMOMENA.

The accounts which we have received of the freaks perpetrated by the hurricane which devastated the country in the neighbourhood of Aurora, on Saturday last, are almost past belief. The course of the tornado, though generally from the northward to the south-east, was most erratic, taking the character of a whirlwind rather than of anything else. From many places which it did not visit, its course was visible by the commotion which it created in the heavens, in some places having the appearance of a distant waterspout, in others that of a violent storm of rain or hail. In some places hail fell with tremendous violence, in others the wind was the chief cause of disturbance. Persons living at Lloydtown say that they saw traces of it in the sky, apparently over the township of Essa, from whence it passed over into Whitchurch. At Newmarket the storm was very violent and alarming, though not destructive, with very heavy hail. Near Aurora it overthrew a house at the toll-gate, and passing south, it appears to have spent its chief fury over Mr. St. George's farm, on the shores of Lake Wilcox. Mr. St. George's house, a large frame building, it very materially injured. His barn it carried away altogether, besides destroying several head of cattle. Very fortunately, no one happened to be in the house at the time, or serious injury to life or limb must have been the consequence. Descending upon the lake, it is said to have raised masses of water bodily up, distributing it again over the surrounding fields, and leaving the lake half empty. It is stated that a gentleman who resides on the other side of the lake, and who was watching the scene from his verandah, was compelled to hold fast by a post to avoid being carried away, while his dog was lifted bodily up and thrown down in the lake. His house happily escaped without injury. Cattle on the farm, it is said, were raised up in the air, a large grove of valuable pine laid as prostrate as a field of wheat which has just been reaped, and, in short, a variety of incidents are related, which would tax the credulity of our readers, but which are fully equalled by well authenticated instances of a similar nature which have occurred elsewhere. How much further this storm extended its ravages we have been unable to learn, but we shall probably hear of it much further south than the Oak Ridges.—*Colonist.*

1

THE LATE TORNADO.

OF MAY 19 1860

(From the Newmarket New Era.)

Some portions of King and Whitchurch townships were visited, on Saturday last, with the most fearful tornado ever witnessed in this section of the country. Houses were demolished, and huge timbers twisted about like playthings —cattle killed—fences blown hither and thither, and acres of wood levelled to the ground. The storm appears to have commenced its fury at the gravel pit on the Northern R. R., between two and three miles below Aurora, in King, and proceeded east to the second concession of Whitchurch; thence south-east to the fourth, where the winds seems to have parted and the fury abated. Hail of almost incredible size, some say measuring 12 inches in circumference, fell during a portion of the storm—in Newmarket, hailstones measuring five inches and a quarter in circumference, were picked up. The disastrous effects of the storm, in so far as the destruction of property was concerned, was confined to a width of about 100 rods.

The first sufferer was a widow woman named Mrs. Stocks, who had her house destroyed, together with considerable loose property about the premises.

Mr. Allan her next neighbour had his barn unroofed and loose property scattered over his fields.

Mrs. Mooney's house was next unroofed, and the building otherwise shattered.

Mr. Dunham, Yonge street, had all his buildings unroofed, and other damage done by the falling timbers.

r. John Steward's farm came next in the way, who had his barn injured, thence passing over his bush of about 40 acres, only leaving two trees standing. Some of the trees of immense size were removed several rods. He also had one cow killed, and the calf which was along with her at the time has not since been heard of.

Mr. Phillips, a piano-forte manufacturer, was the next sufferer. His house was completely demolished, and furniture and clothing nearly all destroyed. A piano almost finished was carried several rods and broken to pieces in an adjoining field.

James Steward had his stable unroofed, and other damrge done to loose property.

Thos. Craig had his barn unroofed, and implements scattered over his fields.

Wm. Cunningham had his barn unroofed, and badly damaged: two sheds racked, and one of them shifted about twenty feet. He also suffered other damages.

H. Q. St. George sustained damages to his buildings estimated at $2,500. His woods, too, suffered disastrously, and also a portion of his orchard.

George Sproxton had his barn partly unroofed, and his stables and sheds rendered almost useless. His new brick house was also badly injured and a splendid orchard all destroyed. Trees were shifted several rods. A large stone, after the storm, was found near his dwelling, never seen before.

Jacob Shaffer had one building unroofed, and other damage done to loose property.

The storm then proceeded southerly and destroyed about 25 acres of bush for Mr. Jas. Lloyd, and also injured several of his sheep and cattle.

John Brillinger had his woods partly levelled —barn unroofed—one cow killed, and suffered other damages.

We find it impossible to give anything like an idea of the spectacle presented the following morning. Hundreds of acres lying waste —fences completely blown down and the rails scattered all over the various farms over which the tornado passed. Families were obliged to take shelter under the temporary structures; but strange to say, no human lives were lost,—and so far as we could learn, no one was injured. In one place, three or four children playing in the open field were nearly carried away—two having been held to the ground by an older brother—but no injury was sustained. Of course, many females were nearly frightened out of their senses; but on the whole, the escape of lives appears to have been almost miraculous. We understand subscriptions have been started to assist some of the needy sufferers,—and we hope the charitably disposed will lend a helping hand. At this distance, some five miles off, the tornado looked like a water-spout, and was plainly visible. The total damage has not been estimated; but many thousands would not cover the loss.

$C = 2\pi r$

$\frac{C}{\pi} = d.$

MONTHLY METEOROLOGICAL REGISTER, AT THE PROVINCIAL MAGNETICAL OBSERVATORY, TORONTO, CANADA WEST—MAY, 1860.

Latitude—43 deg. 39.4 min. North. Longitude—5 h. 17 min. 33 sec. West. Elevation above Lake Ontario, 108 feet.

Days.	Barom. at temp. of 32°. 6 A.M.	2 P.M.	10 P.M.	MEAN.	Temp. of the Air. 6 A.M.	2 P.M.	10PM	ME'N	Excess of mean above Average	Tens. of Vapour. 6 A.M	2 P.M	10 P.M.	M'N	Humidity of Air. 6 A.M.	2 P.M.	10 P.M.	M'N	Direction of Wind. 6 A.M.	2 P.M.	10 P.M.	Resultant Direction.	Velocity of Wind. 6 A.M	2 P.M	10PM	Result.	ME'N	Rain in Inches.	Snow in Inches.
1	.574	29.693	29.811	29.7163	44.6	42.8	37.8	41.30	− 5.12	.235	.190	.183	.201	.80	.69	.80	.77	N N W	N W	N W b N	N 56 W	9.4	16.8	8.2	11.65	11.82	0.003	...
2	.871	.848	.800	.8357	35.6	54.7	49.3	46.90	+ 0.18	.186	.337	.270	.260	.89	.78	.77	.79	N b W	S S W	N b W	N 30 W	13.6	6.0	10.0	4.40	7.40	...	...
3	.794	.708	.661	.7140	42.8	59.4	54.7	53.58	+ 6.53	.213	.297	.262	.258	.77	.58	.60	.63	N N W	S b W	N W	S 63 W	0.5	6.5	7.0	1.19	3.50	0.015	...
4	.651	.655	.614	.6327	49.7	65.0	54.7	56.92	+ 9.50	.278	.350	.357	.318	.77	.58	.78	.69	N N W	S S W	W b N	S 37 W	0.2	7.5	3.2	2.20	3.90	...	...
5	.639	.614	.620	.6282	53.5	66.1	48.9	56.13	+ 8.40	.299	.254	.298	.289	.72	.38	.86	.66	Calm.	S	S	S 43 W	0.0	4.6	1.5	1.67	2.03	...	...
6	.616	.530	—	—	49.3	66.3	—	—	—	.293	.419	—	—	.85	.64	—	—	W	W E b N	E b S	N 80 E	0.5	8.2	3.5	4.39	5.34	.	...
7	.515	.497	.506	.5078	51.1	73.2	63.0	62.02	+13.60	.309	.541	.409	.449	.82	.65	.71	.79	N b E	S S W	N W	N 63 W	0.8	3.2	5.2	2.96	3.82	0.080	...
8	.529	.536	.440	.5153	60.5	62.7	59.8	59.78	+11.00	.408	.454	.428	.421	.77	.79	.83	.82	E N E	E	N E b N	N 9 E	6.4	4.0	12.0	3.53	7.86	0.935	...
9	.400	.340	.414	.3832	55.8	60.1	57.2	57.02	+ 7.85	.422	.402	.439	.414	.95	.77	.94	.89	E N E	E b N	S b W	S 68 E	16.5	12.5	8.5	6.40	9.41	0.205	...
10	.486	.552	612	.5625	52.6	60.5	51.8	54.30	+ 4.80	.386	.408	.363	.381	.97	.77	.94	.90	N E	E	N E b N	N 61 E	3.8	9.0	4.2	4.98	5.77	0.035	...
11	.673	.730	.757	.7248	52.2	61.6	56.5	57.03	+ 7.13	.358	.417	.402	.391	.92	.76	.88	.84	N E b N	E N E	N E	N 49 E	6.5	10.4	10.5	8.89	9.11	..	...
12	.798	.768	.712	.7515	54.7	62.7	56.9	58.45	+ 8.28	.380	.414	.408	.408	.89	.72	.88	.83	N N E	E b N	N E b E	N 52 E	6.2	11.6	10.5	8.64	9.32	...	...
13	.677	.662	—	—	56.5	65.4	—	—	—	.368	.418	—	—	.80	.66	—	—	N N E	E b S	N W	N 59 E	5.5	13.0	4.0	3.65	5.57	...	...
14	.624	.576	.586	.5920	55.4	67.0	54.9	61.18	+10.30	.405	.435	.249	.363	.93	.65	58	.67	N N W	S E b S	N E b E	S 82 E	2.2	8.0	4.0	1.15	4.70	...	...
15	.654	.683	.642	.6618	55.4	59.8	50.9	56.12	+ 4.83	.371	.281	.209	.353	.85	.54	.53	.63	N N E	E	E S E	N 75 E	4.2	4.6	3.5	2.75	4.80	...	...
16	.653	.646	.695	.6678	55.4	65.9	54.4	59.42	+ 7.83	.265	.312	.287	.295	.67	.49	.67	.59	N N W	S S E	E	N 65 E	5.5	6.2	10.2	5.46	7.32	...	...
17	.757	.731	.687	.7205	50.6	59.0	54.4	55.03	+ 3.05	.215	.291	.385	.296	.57	.57	.91	.68	N E b E	E N E	N W	N 56 E	10.6	18.2	5.2	8.28	9.68	0.052	...
18	.571	.447	.308	.4257	51.1	60.1	50.4	54.05	+ 1.77	.342	.436	.340	.370	.91	.84	.93	.88	N N E	E	N E	N 64 E	3.0	8.8	3.6	4.06	4.97	0.147	...
19	.180	.088	.178	.1600	51.1	60.1	49.0	52.25	− 0.37	.347	.402	.236	.308	.92	.77	.67	.76	N W b N	W b S	N W	N 72 W	4.2	20.5	22.5	15.78	16.52	0.095	...
20	.439	.517	—	—	37.4	39.9	—	—	—	.163	.252	—	—	.72	.70	—	—	N W b N	S b W	N	N 36 W	16.0	12.6	4.0	4 56	10.54	0.015	...
21	.468	.407	.416	.4188	41.4	41.7	42.1	41.50	−11.82	.195	.237	.223	.224	.75	.89	.83	.85	N E b E	N E b E	N E b E	N 55 E	14.5	19.5	7.8	11.49	11.77	0.135	...
22	.466	.565	.674	.5807	44.6	60.1	47.5	51.43	− 2.27	.264	.401	.255	.301	.90	.77	.77	.78	N W	S S W	N b W	S 12 W	1.8	4.2	12.4	5.37	8.22	...	...
23	.790	.802	.742	.7732	43.5	58.0	45.4	50.83	− 3.13	.250	.271	.272	.276	.89	.56	.90	.75	N b W	S b W	S S W	S 27 E	2.5	4.4	1.5	1.14	3.37	...	...
24	.740	.689	.659	.6857	47.2	58.0	54.0	54.58	+ 0.30	.287	.304	.282	.297	.89	.62	.67	.70	N W	E S E	E	N 59 E	1.2	8.0	5.0	3.89	4.89	...	...
25	.627	.550	.445	.5303	56.7	68.8	57.6	61.43	+ 6.75	.278	.304	.428	.328	.60	.42	.90	.62	N E b E	E b N	N E	N 57 E	4.2	12.5	8.5	7.23	7.76	0.013	...
26	.401	.242	266	.3013	51.8	67.3	61.2	59.40	+ 4.42	.343	.377	.375	.416	.89	.86	.69	.80	N N W	E S E	N W	N 1 W	1.5	9.4	18.5	4.59	8.83	0.010	...
27	.391	.396	—	—	55.4	65.2	—	—	—	.340	.370	—	—	.76	.59	—	—	N W b W	W b N	N	N 55 W	5.2	10.6	1.5	4.78	6.17	...	...
28	.484	.524	.600	.5397	48.6	64.1	53.3	57.02	+ 1.37	.292	.373	.344	.342	.85	.62	.84	.74	N	S S W	W	S 82 W	4.5	6.8	1.0	1.95	4.56	...	...
29	.630	.605	.562	.5725	52.2	66.6	55.4	59.47	+ 3.52	.327	.344	.371	.352	.83	.52	.85	.71	N N W	N E b E	N E b E	N 57 E	2.2	8.2	11.5	8.28	8.97	0.005	...
30	.376	.263	.319	.3196	54.7	69.5	64.1	62.95	+ 6.70	.403	.507	.487	.451	.94	.70	.81	.79	E b N	S	W b N	S 17 W	10.2	12.5	1.0	2.70	6.57	inap.	...
31	.320	.329	.420	.3570	58.0	62.7	57.2	59.15	+ 2.60	.417	.477	.404	.450	.86	.84	.86	.85	S W b W	W S W	N W	N 76 W	5.5	7.5	5.5	5.30	7.79	0.020	...
M	29.5804	29.5585	29.5610	29.5639	50.77	61.39	53.42	55.53	+ 4.05	.315	.371	.331	.338	.83	.67	.79	.76					5.45	9.54	6.95	.....	7.17	1.815	...

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR MAY.

Highest Barometer ..... 29.886 at 8 a. m., on 2nd } Monthly range = 0.798 inches
Lowest Barometer ..... 29.088 at 2 p. m. on 19th }

Existing Phenom. — Maximum Temperature ..... 74°5 on p. m. of 30th } Monthly range = 42°0
Minimum Temperature ..... 32°5 on a. m. of 2nd }

Mean maximum Temperature ..... 63°97 } Mean daily range = 16°18
Mean minimum Temperature ..... 47°79 }

Self-Registering Thermom. — Greatest daily range ..... 24°6 from a. m. to p. m. of 6th.
Least daily range ..... 5°2 from a. m. to p. m. of 1st.

Warmest day..... 30th ... Mean temperature..... 62.95 }
Coldest day..... 1st ... Mean temperature..... 41°30 } Difference = 21°65.

Maximum { Solar..... 92°0 on p. m. of 7th } Monthly range = 70°5.
Radiation. { Terrestrial..... 21°5 on a. m. of 2nd }

Aurora observed on 7 nights, viz., on 11th, 12th, 14th, 18th, 23rd, 24th and 27th.
Possible to see Aurora on 19 nights; impossible on 12 nights.
Raining on 16 days,—depth 1.815 inches; duration of fall 36.1 hours.
Mean of cloudiness = 0.57.
Most cloudy hour observed, 2 p. m., mean = 0.64; least cloudy hour observed, 10 p. m., mean, = 0.50.

Sums of the components of the Atmospheric Current, expressed in miles.

North.	South.	East.	West.
2441.17	659.28	2304.80	1441.04

Resultant direction N. 26° E.; Resultant Velocity 2.66 miles per hour.
Mean velocity..... 7.17 miles per hour.
Maximum velocity ..... 29.8 miles, from 11 p. m. to midnight on 19th.
Most windy day ..... 19th.....Mean velocity 16.52 miles per hour. } Difference = 14.49 miles.
Least windy day ..... 5th.....Mean velocity 2.03 ditto. }
Most windy hour... 1 to 2 p. m..... Mean velocity 9.53 ditto. } Difference = 4.61 miles.
Least windy hour... 4 to 5 a. m. ..... Mean velocity 4.94 ditto. }

2nd. Hoar Frost at 6 a. m.—4th. Corona round the Moon at 10 p. m. and midnight.—7th. Thunderstorm from 8 to 9 a. m. and 3 to 4 p. m.—8th, Heavy Thunderstorm. Lightning, Rain and large Hailstones, from 9 p. m. to midnight.—10th. Dense Fog from 6 to 8 a. m.—12th. Imperfect Rainbow at 6.50 p. m.—17th. Thunderstorm 8.30 to 10.20 p. m.—18th. Distant Thunder and slight Rain from 3 to 5 p. m.—19th. Sheet Lightning in S. W. at 8.30 p. m.—24th. Distant Thunder 2.30 and 3 p. m.—25th. Thunderstorm from 8.30 to midnight.—26th. Thunderstorm, noon to 3.45 p. m. and Faint Rainbow. 4 to 5 p. m.—28th. Distant Thunder 7.30 p. m.—29th. Thunderstorm, 10 p. m. to midnight.

Heavy Dew recorded on 8 mornings during this month.

The Resultant Direction and Velocity of the Wind for the month of May, from 1848 to 1860 inclusive, were respectively N 6° E, and 1.47 miles.

The month of May, 1860, was warm, dry, and windy.
The Mean Temperature having been 3°95 above the average, was only once previously equalled in 21 years.
The depth of rain recorded is 1.419 inches less than the average. This is only a little more than half the mean amount.
The Mean Velocity of the Wind was 0.75 miles per hour above the average of 13 years.

COMPARATIVE TABLE FOR MAY.

YEAR.	Temperature. M'n.	Diff. from Aver.	Max ob'd.	Min. ob'd.	Range.	Rain. No. of days.	Rain. Inch's.	Snow. No. of days.	Snow. Inch's.	Wind. Resultant Direction.	Resultant V'y.	Mean Force or Velocity.
1840	53.8	+2.2	74.5	30.8	43.7	9	4.150	...	not record.	...	...	.....
1841	50.5	−1.1	76.2	26.6	49.6	11	2.350	1	not record.	...	...	0.35 lbs.
1842	49.1	−2.5	74.3	30.0	44.3	7	1.275	...	not record.	...	...	0.53
1843	49.1	−2.5	79.6	28.9	50 7	5	1.570	...	...	...	...	0.52
1844	53.6	+2.0	77.7	29.0	48.7	14	5.670	...	...	...	...	0.30
1845	49.6	−2.0	76.6	29.4	47.2	8	2 300	...	...	...	...	0.55
1846	55.5	+3.9	78.1	34.3	43.8	9	4.375	...	...	...	...	0.46
1847	54.4	+2.8	72.5	27.8	44.7	12	2.040	...	...	...	...	0.29
1848	54.1	+2.5	78.5	31.9	46 6	13	2.520	...	...	N 40° W	1.31	4.93 mls.
1849	48.0	−3.6	72.5	32.7	39.8	16	5.115	...	...	N 51° E	1.97	5.33
1850	47.6	−4.0	76.3	31.1	45.2	7	0.545	1	Inapp	N 64° E	2.05	6.32
1851	51.3	−0.3	73.2	28.7	44.5	12	2.950	1	0.5	N 32° W	1.59	6.34
1852	51.4	−0.2	73.3	34.5	38.8	7	1.125	1	Inapp	S 82° W	0.99	4.00
1853	50.9	−0.7	78 4	38.4	40.0	17	4.420	1	Inapp	N 2° W	0.83	5.16
1854	52.2	+0.6	69.0	27.6	41.4	11	4.630	...	...	E	0.40	5.38
1855	53.1	+1.5	74.8	33.9	40.9	6	2.565	2	0.9	N 1° W	2.76	5.93
1856	50.5	−1.1	80.1	35.5	44.6	14	4.580	1	Inapp	N 4° E	3.99	9.81
1857	48 9	−2.7	72.5	27.9	44.6	15	4.145	1	Inapp	N 23° W	1.14	8.13
1858	48.9	−2.7	66 0	35.0	31.0	17	6.367	...	...	N 42° E	3.33	9.30
1859	53.2	+3.6	76.2	41.5	34.7	11	3.410	...	...	N 72° E	1.59	5.70
1860	55.5	+3.9	73.2	35.6	37.6	16	1.815	...	...	N 26° E	2.66	7.17
M	51.58	...	74.93	31.96	42.97	11.3	3.234	0.4	6.08	.....	...	6.42 Mls.

MAGNETIC OBSERVATORY, TORONTO

GENERAL METEOROLOGICAL ABSTRACT.—MAY, 1860.

Days.	DAILY MEANS. Temperature of the Air.	Pressure of Vapour.	Relative Humidity.	Barometric Pressure.	Pressure of Dry Air.	Clouded Sky.	WIND. Resultant Direction.	Resultant Velocity.	Mean Velocity.	EXTREMES OF TEMPERATURE. Maximum.	Minimum.	Difference.	RAIN. Depth in inches.	RAIN. Approximate duration in hours.	SNOW. Depth in inches.	SNOW. Approximate duration in hours.	RAIN AND MELTED SNOW. Depth in inches.	RAIN AND MELTED SNOW. Approximate duration in hours.
	°							Miles.	Miles.	°	°	°						
1	41.30	0.201	77	29.710	29.510	0.98	N 36 W	11.65	11.82	47.2	42.0	5.2	0.033	2.0	...	...	0.033	2.0
2	46.90	.260	79	.836	.576	0.45	N 30 W	4.40	7.40	57.0	32.5	24.5	...	...	...	...	...	...
3	53.58	.258	63	.714	.456	0.47	S 63 W	1.19	3.50	63 8	40.2	23.6	.015	2 5	...	...	.015	2.5
4	56.92	.318	69	.640	.322	0.12	S 37 W	2.20	3.90	69.0	47.8	21.2	...	...	...	...	...	...
5	56.13	.289	66	.628	.339	0.65	S 43 W	1.07	2.03	67.2	48 0	19.2	...	...	...	...	...	...
6	...	...	...	...	...	...	N 80 E	4.39	5.34	68.8	44.2	24.6	...	...	...	...	...	...
7	62.02	.449	79	.508	.059	0 73	N 63 W	2.96	3 82	73.2	50.3	22.9	.080	1.0	...	...	.080	1.0
8	59.78	.421	82	.515	.095	1.00	N 9 E	3.53	7.86	64.5	56 2	8.3	.935	6.0	...	...	.935	6.0
9	57 02	.414	89	.383	28.969	1.00	S 68 E	6.40	9 41	63.2	54.2	9.0	.205	4.3	...	...	.205	4.3
10	54.30	.381	90	.562	29.181	1.00	N 61 E	4.98	5.77	63 0	52.0	11.0	.055	5.8	...	...	.055	5.8
11	57.03	.391	84	.725	.334	0.93	N 49 E	8.89	9.11	62.5	50.8	11.7	...	...	...	...	...	...
12	58.45	.408	83	.752	.344	0.72	N 52 E	8.64	9.32	65.0	52.0	13.0	...	...	...	...	...	...
13	...	...	...	...	...	...	N 59 E	3.65	5.57	68.8	53 2	15.6	...	...	...	...	...	...
14	61.18	.366	67	.592	.226	0.15	S 82 E	1.15	4.70	70.0	52.4	17.6	...	...	...	...	...	...
15	56.12	.285	63	.662	.377	0.00	N 75 E	2.75	4.80	63.2	52 2	11.0	...	...	...	...	...	...
16	59.42	.295	59	.668	.372	0.00	N 65 E	5.46	7 32	67.0	46.6	20.4	...	...	...	...	...	...
17	55.03	.296	68	.720	424	0.43	N 56 E	8.28	9.68	60.0	49.0	11.0	.052	1.8	...	...	.052	1.8
18	54.05	.370	88	.426	.056	0.63	N 64 E	4.06	4 97	61.8	48.5	13.3	.147	1.3	...	...	.147	1.3
19	52.25	.308	76	.160	28.852	0.72	N 72 W	15.78	16.52	60.1	49.0	11.1	.095	1.8	...	...	.095	1.8
20	...	...	...	...	...	...	N 36 W	4 56	10.54	53.0	37.0	16.0	.015	1.5	...	...	.015	1.5
21	41.50	.224	85	.419	29.195	1.00	N 55 E	11.49	11.77	44.6	38.8	5.8	.135	4.5	...	...	.135	4.5
22	51.43	.301	78	.581	.280	0.27	S 12 W	5.37	8.22	63.0	40.8	22.2	...	...	...	...	...	...
23	50.83	.276	75	.773	.498	0.05	S 27 E	1.14	3.37	61.8	41.0	20.8	...	...	...	...	...	...
24	54 58	.297	70	.686	.389	0.55	N 59 E	3.89	4.89	62.0	44.4	17.6	...	...	...	...	...	...
25	61.43	.328	62	.530	.202	0 53	N 57 E	7.23	7.76	69.2	52.0	17.2	.013	0.2	...	...	.013	0.2
26	59.40	.416	80	.301	28.885	0.42	N 1 W	4.59	8 83	71.0	49.8	21.2	.010	0.3	...	...	.010	0.3
27	...	...	...	...	...	...	N 55 W	4.78	6.17	65.6	50.2	15.4	...	...	...	...	...	...
28	57.02	.342	74	.540	29.197	0.27	S 82 W	1.95	4.56	67.5	47.0	20.5	...	...	...	...	...	...
29	59.47	.352	71	.572	.220	0.85	N 57 E	8.28	8.97	68.6	49.5	19.1	.005	0.3	...	...	.005	0.3
30	62 95	.451	79	.319	28.868	0.60	S 17 W	2 70	6 57	74.5	53.5	21.0	*	0.1	...	...	*	0.1
31	59.15	.430	85	.357	28.927	1.00	N 76 W	5.30	7.79	67.0	56.5	10.5	.020	2.7	...	...	.020	2.7
	55.53	0.338	76	29.566	29.228	0.57	N 26 E	2.66	7.17	63.97	47.79	16.18	1.815	36.1	...	...	1.815	36.1

* Inappreciable.

THE LATE TORNADO. (FROM THE NEWMARKET NEWS[redacted]ERA)

(1)

STORM DATE. SATURDAY MAY 19TH. 1860.

Some portions of KING and WHITCHURCH TOWNSHIPS were visited, on Saturday last, with the most fearful tornado ever witnessed in this section of the country. Houses were demolished, and huge timbers twisted about like play-things--cattle killed--fences blown hither and thither, and acres of wood levelled to the ground. The storm appears to have commenced its fury at the gravel pit on the NORTHERN RAILROAD., between two and three miles below AURORA, in KING, and proceeded East to the 2ND. CONCESSION of WHITCHURCH; thence South-East to the fourth, where the winds seems to have parted and the fury abated. Hail of almost incredible size, some say measuring 12 inches in circumference, fell during a portion of the storm--in NEWMARKET, hailstones measuring five inches and a quarter in circumference, were picked up. The disastrous effects of the storm, in so far as the destruction of property was concerned, was confined to a width of about 100 rods.

The first sufferer was a widow woman named Mrs. STOCKS, who had her house destroyed, together with considerable loose property about the premises.

Mr. ALLAN her next neighbour had his barn unroofed and loose property scattered over his fields.

Mrs. MOONEY'S house was next unroofed, and the building otherwise shattered

Mr. DUNHAM, YONGE STREET, had all his buildings unroofed, and other damage done by the falling timbers.

Mr. JOHN STEWARD'S farm came next in the way, who had his barn injured, thence passing over his bush of about 40 acres, only leaving two trees stand-ing. Some of the trees of immense size were removed several rods. He also had one cow killed, and the calf which was along with her at the time has not since been heard of.

Mr. PHILLIPS, a piano-forte manufacturer, was the next sufferer. His house was completely demolished, and furniture and clothing nearly all destroyed. A piano almost finished was carried several rods and broken to pieces in an adjoining field.

JAMES STEWARD had his stable unroofed, and other damage done to loose property.

THOMAS CRAIG had his barn unroofed, and implements scattered over his fields.

WILLIAM CUNNINGHAM had his barn unroofed, and badly damaged: two sheds racked, and one of them shifted about twenty feet. He also suffered other damages.

CONTINUATION. AURORA TORNADO.SATURDAY MAY 19TH. 1860.

H. QUETTON ST. GEORGE sustained damages to his buildings estimated at $2,500. His woods, too, suffered disastrously, and also a portion of his orchard.

GEORGE SPROXTON had his barn partly unroofed, and his stables and sheds rendered almost useless. His new brick house was also badly injured and a splendid orchard all destroyed. Trees were shifted several rods. A large stone, after the storm, was found near his dwelling, never seen before.

JACOB SHAFFER had one building unroofed, and other damage done to loose property.

The storm then proceeded southerly and destroyed about 25 acres of bush for Mr. JAMES LLOYD, and also injured several of his sheep and cattle.

JOHN BRILLINGER had his woods partly levelled—barn unroofed—one cow killed, and suffered other damages.

We find it impossible to give anything like an idea of the spectacle presented the following morning. Hundreds of acres lying waste—fences completely blown down and the rails scattered all over the various farms over which the tornado passed. Families were obliged to take shelter under the temporary structures; but strange to say, no human lives were lost—and as far as we could learn, no one was injured. In one place, three or four children playing in the open field were nearly carried away—two having been held to the ground by an older brother—but no injury was sustained. Of course, many females were nearly frightened out of their senses; but on the whole, the escape of lives appears to have been almost miraculous. We understand subscriptions have been started to assist some of the needy sufferers—and we hope the charitably disposed will lend a helping hand. At this distance, some five miles off, the tornado looked like a water-spout, and was plainly visible. The total damage has not been estimated; but many thousands would not cover the loss.

THE COLONIST. THURSDAY MAY 24TH. 1860.

STORM DATE. SATURDAY MAY 19TH. 1860.

SINGULAR PHENOMENA

The accounts which we have received of the freaks perpetrated by the hurricane which devastated the country in the neighbourhood of AURORA, on Saturday last, are almost passed belief. The course of the tornado, though generally from the northward to the south-east, was most erratic, taking the character of a whirlwind rather than od anything else. From many places which it did not visit, its course was visible by the commotion which it created in the heavens, in some places having the appearance of a distant waterspout, in others that of a violent storm of rain or hail. In some places hail fell with tremendous violence, in others the wind was the chief cause of disturbance Persons living at LLOYDTOWN say that they saw traces of it in the sky, apparently over the TOWNSHIP of ESSA, from whence it passed over into WHITCHURCH. At NEWMARKET the storm was very violent and alarming, though not destructive, with very heavy hail. Near AURORA it overthrew a house at the TOLL-GATE, and passing south, it appears to have spent its chief fury over Mr. St. GEORGE'S farm, on the shores of LAKE WILCOX. Mr. St. GEORGE'S house, a large frame building, it very materially injured. His barn it carried away altogether, besides destroying several head of cattle. Very fortunately, no one happened to be in the house at the time, or serious injury to life or limb must have been the consequence. Descending upon the lake, it is said to have raised masses of water bodily up, distributing it again over the surrounding fields, and leaving the lake half empty. It is stated that a gentleman who resides on the other side of the lake, and who was watching the scene from his verandah, was compelled to hold fast by a post to avoid being carried away, while his dog was lifted bodily up and thrown down in the lake. His house happily escaped without injury. Cattle on the farm, it is said, were raised up in the air, a large grove of valuable pine laid as prostrate as a field of wheat which has just been reaped, and, in short, a variety of incidents are related, which would tax the credulity of our readers, but which are fully equalled by well authenticated instances of a similar nature which have occurred elsewhere. How much further this storm extended its ravages we have been unable to learn, but we shall probably hear of it much further south than the OAK RIDGES.

THE DAILY GLOBE, TORONTO. TUESDAY MAY 29TH. 1860.

STORM DATE. SAT. MAY 26TH. 1860.

The storm of which we had a brief visit in TORONTO on Saturday afternoon, we learn was of a much more violent character to the northward. In WHITCHURCH, we are informed, barns were blown down, and large quantities of growing timber levelled to the ground by a furious hurricane.