

Storm Systems.—The only storm of note occurred at the beginning of the month. At this time a depression was crossing the Dominion, and on the morning of the 2nd a deep cyclone centre developed over the Cook Strait area. Rain was practically general, and in the western and central districts there were many heavy falls. Flooding occurred in Taranaki, southern Wellington, Marlborough, and North Canterbury. On the 1st northerly gales raged at many places from Nelson and Marlborough northwards, and the Wairarapa experienced the most destructive gale in its history. The reason why this wind was so damaging is not very clear since, in the higher levels and at Wellington, for instance, stronger blows have been recorded. It must, however, have descended with unusual force to the low levels after crossing the Tararua Ranges. Such a descent is favoured if the ground is unusually warm, and the fact that the night of the 30th September to 1st October was unusually warm at Wellington while a very high maximum temperature was recorded at Masterton is in accordance with this. A strong southerly wind and a sharp cold snap followed on the 2nd October, and snow fell to low levels on the ranges.

A moderate westerly depression which passed on the 9th was also responsible for a fresh fall of snow on the ranges, but the precipitation caused by it was far from general.

On the 12th another depression moved on to the country, and, its further movement being checked by an intense anti-cyclone to the eastward, did not disappear until the 16th. During this time rain fell in all parts but was particularly heavy on the mountains and in western districts.

Several other depressions passed during the month but none were very boisterous or productive of general rain. Associated with one of these there were some severe thunder and hail storms in western districts of the North Island on the 31st.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM CHIEF STATIONS.
October, 1934.

Altitude above Sea-level.	Name of Station and Observer.	Extremes.				Total Rainfall (100 Points to the Inch.)	Days with Rain (½ Point or more).	Altitude above Sea-level.	Name of Station and Observer.	Extremes.				Total Rainfall (100 Points to the Inch.)	Days with Rain (½ Point or more).
		Mean Temp. Air in Shade.	Mean Max. Temp.	Mean Min. Temp.	Deg.					Deg.	Deg.	Points.	Mean Temp. Air in Shade.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.		Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.			
200	TE PAKI, TE HAPUA .. R. J. Harrison	55.6	62.2	49.1	489	14	24	NELSON .. O. B. Pemberton	54.0	61.0	46.9	620	13		
225	WAIPOUA, DONNELLY'S CROSSING A. D. McKinnon, B.Sc.	55.7	63.6	47.8	365	17	57	APPLEBY, NELSON .. W. J. Biggar	54.0	60.8	47.2	559	13		
110	RIVERHEAD .. J. Johnson	54.6	65.3	44.0	104	11	60	BLLENHEIM .. P. J. Galliers	54.8	63.8	45.9	437	15		
160	AUCKLAND .. S. M. Yallop	57.9	64.1	51.7	217	14	860	WAIHOPAI, BLENHEIM .. J. Stanwell	52.4	60.8	43.9	834	14		
404	WAIHI .. M. F. Haszard	55.6	63.9	47.3	347	9	800	GOLDEN DOWNS, NELSON Forest Ranger	51.0	60.2	41.7	529	10		
46	TE AROHA .. C. E. Christensen	57.9	67.0	48.8	344	18	1225	HANMER SPRINGS .. H. Roche	50.2	62.1	38.3	502	10		
100	TAURANGA .. Miss K. L. Butcher	55.8	65.1	46.4	323	13	743	BALMORAL, CULVERDEN .. J. E. Fletcher	52.0	62.3	41.8	335	10		
131	R U A K U R A F A R M, HAMILTON EAST G. K. McPherson	54.8	66.2	43.4	318	17	12	HOKITIKA .. J. A. Chesney	52.6	58.9	46.2	1062	19		
230	CAMBRIDGE .. W. A. Wilkinson	..	..	..	..	..	1220	LAKE COLERIDGE .. H. E. M. Hart	52.1	60.8	43.4	332	12
925	ROTORUA .. W. E. Penno	54.3	63.4	45.2	442	17	22	"RUDSTONE," METHVEN James Carr	50.8	58.7	42.8	290	11		
1000	ROTORUA NURSERY, WHA- KAREWAREWA W. T. Morrison	53.4	63.5	43.4	469	15	36	CHRISTCHURCH .. H. F. Skey	52.2	60.3	44.1	96	10		
60	NEW PLYMOUTH .. G. H. Dolby	55.5	61.7	49.3	694	17	2510	LINCOLN .. M. C. Franklin, M.Sc., A.I.C., Ph.D.	52.4	61.8	43.1	90	6		
3670	C H A T E A U TONGARIRO, NATIONAL PARK W. J. Stevens	..	..	..	..	..	323	THE HERMITAGE, MOUNT COOK C. Elms	45.8	55.3	36.3	2553	16
2125	KARIOI .. L. H. Bailey	48.0	58.7	37.3	420	15	2350	ASHBURTON .. H. P. Clayton	50.8	60.5	41.2	219	12		
5	NAPIER .. T. R. Hutton	56.0	64.3	47.7	167	13	1000	LAKE TEKAPO .. Miss D. C. Trott	49.3	58.1	40.5	451	10		
45	HASTINGS .. H. N. Fowler	55.2	67.1	43.3	154	13	56	FAIRLIE .. C. Searle	49.6	62.0	37.3	423	12		
2157	TAIHAPE .. A. R. Fannin	50.8	59.0	42.5	239	17	200	TIMARU .. A. W. Anderson	51.4	60.1	42.6	292	10		
8	TANGIMOANA .. G. W. Braddell	54.2	62.3	46.2	444	15	1110	WAIMATE .. F. Akhurst	49.9	59.4	40.4	295	12		
100	PALMERSTON NORTH .. E. J. Werry	55.3	63.4	47.2	309	19	1000	QUEENSTOWN .. F. W. Bailey	50.1	60.0	40.2	236	7		
110	MASSEY AGRIC. COL., PAL- MERSTON NORTH Meteorological Observer	54.9	62.9	46.9	314	17	1550	OPHIR .. H. J. Sandle	49.1	59.6	38.6	207	10		
384	PAHIATUA .. A. W. Hamilton	..	..	..	..	..	520	SANATORIUM, WAIPIATA .. Dr. A. Kidd	51.8	63.1	40.5	72	5
44	KAPII ISLAND .. R. J. Wilkinson	55.2	60.3	50.1	769	16	2448	ALEXANDRA .. Geo. Smith	44.4	53.9	34.9	112	10		
387	MASTERTON .. Miss R. Robinson	54.0	65.3	42.7	204	10	240	MANORBURN DAM .. S. Wragge	51.7	60.7	42.7	183	12		
415	WELLINGTON ..	53.4	59.6	47.1	685	14	245	DUNEDIN .. D. Tannock	..	..	..	..	..
							12	GORE .. A. T. Newman	..	..	..	..	..
								INVERCARGILL .. L. Lennie	50.4	59.5	41.4	179	17		