

The first of the cyclones passed the northern extremity of the North Island on the 3rd. There were heavy rains in the far North as it passed and south-easterly gales followed it.

Between the 14th and the 17th a complex depression crossed the South Island. Practically all districts recorded heavy rain, many of the falls being of exceptional severity. Floods occurred in Taranaki, Westland, and the Mackenzie Country in western South Canterbury. The fall of the 14th, which in many places exceeded 2 in., was quite an unusual one for the district last mentioned. Snow fell in the same area on several days and was widespread on the ranges generally.

A third cyclone, which crossed the tip of the Auckland Peninsula on the 22nd, also caused general rains. Southerly gales blew after the centre had passed, and there was further snow on the ranges.

Stormy weather with north-east or northerly gales prevailed during the last two days of the month, while a cyclone, which had caused heavy floods in New South Wales, was advancing across the Tasman Sea.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM CHIEF STATIONS.
July, 1933.

Altitude above Sea-level.	Name of Station and Observer.	Mean Temp. Air in Shade.	Extremes.			Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more).	Altitude above Sea-level.	Name of Station and Observer.	Mean Temp. Air in Shade.	Extremes.			Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more).
			Mean Max. Temp.	Mean Min. Temp.	Deg.						Deg.	Deg.	Points.		
NORTH ISLAND.															
200	TE PAKI, TE HAPUA .. R. J. Harrison	52.7	58.0	47.4	1125	23	SOUTH ISLAND.								
225	WAIPOUA, DONNELLY'S CROSSING A. Bodle	48.0	55.4	40.5	1030	18	24	NELSON .. O. B. Pemberton	46.6	54.0	39.3	421	9		
110	RIVERHEAD .. J. Johnson	49.0	57.2	40.9	546	15	57	APPLEBY, NELSON .. W. J. Biggar	45.4	53.3	37.4	459	10		
160	AUCKLAND .. S. M. Yallop	51.8	57.0	46.6	503	12	..	BLenheim .. P. J. Galliers	44.3	53.4	35.2	172	8		
404	WAIHI .. M. F. Haszard	47.5	55.6	39.4	1045	14	860	WAIHOPAI, BLENHEIM .. J. Stanwell	43.2	51.9	34.5	235	10		
46	TE AROHA .. C. E. Christensen	49.8	58.1	41.4	470	11	800	GOLDEN DOWNS, NELSON Forest Ranger	41.8	52.1	31.5	563	9		
100	TAURANGA .. Miss K. Butcher	48.7	56.8	40.6	676	10	1225	HANMER SPRINGS .. H. Roche	..	..	..	..	..
131	RUAKUBA FARM, HAMILTON EAST G. K. McPherson	47.8	56.7	38.8	420	12	743	BALMORAL, CULVERDEN .. J. E. Fletcher	41.5	49.9	33.1	110	9		
230	CAMBRIDGE .. H. McArthur	..	..	..	..	..	12	HOKITIKA .. J. A. Chesney	45.6	54.1	37.0	2173	15
925	ROTORUA .. W. E. Penno	46.2	54.1	38.3	508	10	1220	LAKE COLERIDGE .. H. E. M. Hart	40.1	49.0	31.2	410	13		
1000	ROTORUA NURSERY, WHAKAREWAREWA W. T. Morrison	45.9	55.0	36.8	512	8	1200	"RUDESTONE," METHVEN James Carr	42.1	47.7	36.5	291	11		
617	ONGARUE .. D. J. Gardiner	44.3	54.6	34.0	515	12	22	CHRISTCHURCH .. H. F. Skey	42.3	48.9	35.7	155	12		
60	NEW PLYMOUTH G. H. Dolby	50.0	55.5	44.5	746	12	36	LINCOLN .. E. W. Hullett	42.4	49.1	35.7	254	15		
3670	CHATEAU TONGARIRO, NATIONAL PARK W. J. Stevens	37.6	44.1	31.0	791	11	2510	THE HERMITAGE, MOUNT COOK C. Elms	35.1	42.0	28.2	1398	12		
2125	KARIOI .. L. H. Bailey	40.4	49.3	31.4	399	15	323	ASHBURTON .. H. P. Clayton	40.8	48.7	32.8	283	15		
5	NAPIER .. T. R. Hutton	46.9	53.3	40.5	434	16	2350	LAKE TEKAPO .. Miss D. C. Trott	35.5	41.7	29.3	359	9		
45	HASTINGS .. H. N. Fowler	46.9	54.1	39.7	288	17	1000	FAIRLIE .. C. Searle	38.0	48.9	27.0	303	10		
2157	TAHARU .. A. R. Fannin	42.4	47.8	36.9	242	13	56	TIMARU .. A. W. Anderson	40.8	48.6	33.0	155	7		
8	TANGIMOANA .. G. W. Braddell	46.0	53.5	38.6	311	12	200	WAIMATE .. F. Akhurst	41.0	49.3	32.6	171	12		
100	PALMERSTON NORTH E. J. Werry	47.6	54.2	40.9	317	13	1110	QUEENSTOWN .. F. W. Bailey	39.6	46.8	32.3	211	5		
110	MASSEY AGRIC. COL., PALMERSTON NORTH Meteorological Observer	..	..	..	..	..	1000	OPHIE .. Rev. A. Don	36.0	43.4	28.6	90	8
384	PAHIATUA .. A. W. Hamilton	..	..	..	..	..	1550	SANATORIUM, WAIPIATA .. Dr. A. Kidd	37.7	45.6	29.8	93	10
44	KAPITI ISLAND A. S. Wilkinson	48.5	52.2	44.8	500	10	520	ALEXANDRA .. Geo. Smith	37.4	44.2	30.7	60	5		
387	MASTERTON .. Miss R. Robinson	44.6	51.3	38.0	411	17	2448	MANOBUEN DAM .. S. Wragge	32.9	40.5	25.3	74	7		
415	WELLINGTON ..	46.4	50.4	42.5	600	19	240	DUNEDIN .. D. Tannock	42.6	48.9	36.2	221	11		
							245	GORE .. A. T. Newman	39.4	47.6	31.3	136	9		
							12	INVERCARGILL .. L. Lennie	41.8	49.8	34.2	173	14		
							1000	FAIRLIE— April, 1933 ..	51.2	66.4	36.0	166	10		

LATE RETURN.