

and southern Wellington. The amount of damage to telephone and telegraph services was almost unprecedented. Power-lines, also, suffered considerably. At one place in North Canterbury several horses were killed. The Waimakariri River was in flood, and the west coast rivers were high.

There was an interruption to the westerly weather from the 19th to the 22nd while a depression of cyclonic form developed in the Tasman Sea and crossed the South Island. But on the 23rd the westerlies again took charge and continued until the 26th. Rivers once more became high on the west coast, and on the night of the 24th to the 25th severe thunderstorms were again experienced.

From the 18th onward conditions were disturbed in the Pacific Islands, and by the 25th a cyclone was moving southward through the Tonga Group. This cyclone led to an interruption of the westerly type of weather, and on the 28th a secondary cyclone developed just north of the Auckland Peninsula. Heavy rain fell on this day in the east coast districts of the North Island and in the far North.

Thunderstorms have already been mentioned several times, and numbers occurred on the last two days of the month. On the 27th one did considerable damage in North Auckland. There were few days, indeed, that were entirely free from thunderstorms. Small tornadoes occurred, also, at several places.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.  
MEANS AND TOTALS FROM CHIEF STATIONS  
February, 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.		
	<b>NORTH ISLAND.</b>	Deg.	Deg.	Deg.	Points.			<b>SOUTH ISLAND.</b>	Deg.	Deg.	Deg.	Points.			
200	TE PAKI, TE HAPUA ..	..	..	..	..	..	24	NELSON ..	63-2	71-5	55-0	278	11		
	B. H. Morrison							O. B. Pemberton							
225	WAIPOUA, DONNELLY'S CROSSING	65-5	74-3	56-7	618	20	57	APPLEBY, NELSON ..	62-8	71-0	54-6	167	11		
	A. Bodle							W. J. Biggar							
110	RIVERHEAD ..	65-8	73-4	58-2	980	18	..	BLENHEIM ..	65-6	75-6	55-5	170	10		
	J. Johnson							P. J. Galliers							
160	AUCKLAND ..	68-9	74-8	63-0	775	19	860	WAIHOPAI, BLENHEIM ..	61-4	69-9	53-0	294	13		
	S. M. Yallop							J. Stanwell							
404	WAIHI ..	66-3	74-5	58-1	938	19	800	GOLDEN DOWNS, NELSON	58-8	68-1	49-5	524	10		
	M. F. Haszard							Forest Ranger							
46	TE AROHA ..	69-2	77-9	60-4	753	17	1225	HANMER SPRINGS ..	59-8	70-4	49-3	399	11		
	C. E. Christensen							H. Roche							
100	TAURANGA ..	66-8	74-4	59-1	804	17	743	BALMORAL, CULVERDEN ..	62-0	73-1	51-0	136	9		
	Miss K. Butcher							J. E. Fletcher							
131	R U A K U R A F A R M , HAMILTON EAST	66-6	76-6	56-7	702	18	12	HOKITIKA ..	60-8	67-2	54-4	1268	18		
	G. K. McPherson							J. A. Chesney							
230	CAMBRIDGE ..	67-0	76-4	57-6	772	16	1220	LAKE COLERIDGE ..	59-0	68-2	49-7	207	10		
	H. McArthur							H. E. M. Hart							
925	ROTORUA ..	65-5	72-9	58-1	738	17	22	"RUDSTONE," METHVEN	59-5	68-0	51-0	113	9		
	W. E. Penno							James Carr							
1000	ROTORUA NURSERY, WHAKAREWAREWA	64-6	74-4	54-7	738	18	36	CHRISTCHURCH ..	62-9	73-2	52-6	14	8		
	W. T. Morrison							H. F. Skey							
617	ONGARUE ..	64-3	74-0	54-6	668	19	2510	LINCOLN ..	62-9	74-1	51-7	14	3		
	D. J. Gardiner							E. W. Hullett							
60	NEW PLYMOUTH ..	64-9	71-3	58-5	411	21		THE HERMITAGE, MOUNT COOK	53-0	61-0	45-0	2856	19		
	G. H. Dolby							C. Elms							
3670	CHATEAU TONGARIRO, NATIONAL PARK	52-6	59-8	45-5	1069	22	2350	ASHBURTON ..	61-2	72-2	50-1	28	6		
	F. B. Duff							H. P. Clayton							
2125	KARIOI ..	58-4	68-3	48-6	467	17	1000	LAKE TEKAPO ..	54-9	65-5	44-3	100	7		
	L. H. Bailey							Miss D. C. Trott							
5	NAPIER ..	69-2	77-5	61-0	219	9	56	FAIRLIE ..	..	..	..	..	..		
	T. R. Hutton							C. Searle							
45	HASTINGS ..	68-6	80-1	57-2	192	8	200	TIMARU ..	61-3	71-3	51-3	44	6		
	H. N. Fowler							A. W. Anderson							
2157	TAHARU ..	60-8	68-6	52-9	592	18	200	WAIMATE ..	60-0	71-8	48-2	71	8		
	A. R. Fannin							F. Akhurst							
8	TANGIMOANA ..	64-8	72-2	57-3	403	15	1110	QUEENSTOWN ..	58-7	67-8	49-6	331	14		
	G. W. Braddell							F. W. Bailey							
100	PALMERSTON NORTH ..	65-6	73-3	58-0	297	14	1000	OPHIR ..	60-0	71-3	48-8	245	12		
	E. J. Werry							Rev. A. Don							
110	MASSEY AGRIC. COL., PALMERSTON NORTH	64-7	72-4	57-0	259	14	1550	SANATORIUM, WAIPIATA	58-6	70-2	47-1	113	9		
	Meteorological Observer							Dr. A. Kidd							
384	PAHIATUA ..	63-8	71-8	55-7	359	14	520	ALEXANDRA ..	61-5	71-9	51-1	182	13		
	A. W. Hamilton							Geo. Smith							
44	KAPIKI ISLAND ..	63-4	68-8	58-1	219	12	2448	MANORBURN DAM	53-6	63-7	43-4	165	12		
	A. S. Wilkinson							S. Wragge							
387	MASTERTON ..	64-5	73-9	55-1	280	13	240	DUNEDIN ..	58-4	67-1	49-6	195	12		
	Miss R. Robinson							D. Tannock							
415	WELLINGTON ..	62-1	67-3	56-9	375	10	245	GORE ..	57-1	69-7	44-5	451	17		
								A. T. Newman							
							12	INVERCARGILL ..	57-0	65-5	48-4	671	19		
								L. Lennie							