remained off the east coast until the 15th, when it gradually moved away. Southerly winds set in on the 10th, and continued in most districts for the remainder of the spell. Very wet weather prevailed throughout the whole period, especially from the 9th to the 14th. On the 9th heavy rain was very general. A very severe hailstorm occurred on the 11th in the Napier district, and did serious damage to fruit crops and trees on a narrow line extending from Eskdale through Greenmeadows to Parkowhai. At some places stones up to an inch and a half in diameter were observed. On the 13th, when the cyclone became very intense, southerly gales were experienced at some places, temperatures dropped and snow fell on the mountain tops in both Islands. The period was reminiscent of that between the 12th and the 19th of last December when, however, the cyclones were centred further eastward. Last year, also, the southerly winds were more severe and temperatures lower. A rather intense depression moving from the westward caused northerly gales in Cook Strait and rain from Taranaki and Wellington southwards on the 19th. The second cyclone, which, however, was of only slight intensity, developed in the northern portion of this depression on the 20th.

The third cyclone followed the passage of a southern depression on the 24th. Its centre was in the far northern portion of the Tasman Sea, and did not pass away to the eastward until the 29th. This storm was responsible for very wet weather during the holiday season. Heavy and general rains were experienced in almost all districts, especially on the 25th or 26th and the 28th. Low-pressure waves of the westerly type kept the weather unsettled, especially in the South Island, until the end of the month.

the end of the month.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM CHIEF STATIONS.

December, 1928.

Altitude above Sea-level.	Name of Station and Observer.	e g			fa.ll	tain ore).	940		p.	Extremes.		fall o the	ain ore
		Mean Temp. Air in Shade	Mean Max, Temp.	Mean Min. Temp.	Total Bainfall (100 Points to the Inch).	Days with Rain	Altitude above Sea-level.	Name of Station and Observer.	Mean Temp. Air in Shade.	Mean Max. Temp.	Min. Temp.	Total Rainfall (100 Points to the Inch).	Days with Rain
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	ļ	Ft.	South Island.	Deg.	Deg.	Deg.	Points.	
225	Waipoua, Donnelly's Crossing	61.8	70.4	53.2	682	17		Nelson O. B. Pemberton	60.9	67.9	53.9	869	15
65	E. Newton RIVERHEAD	60.5	70.3	50.7	493	15	743	Balmoral, Culverden D. D. Dunn	57.6	68.0	47.3	581	15
152	W. J. McKibbon AUCKLAND	64.0	70.4	57.6	600	15	1220	Hanmer Springs W. Montgomery	56.2	66.5	46.0	941	16
131	H. M. Vincent RUAKURA FARM,	61.3	71.9	50.7	496	15	25	CHRISTCHURCH H. F. Skey	58.0	64.6	51.4	600	14
	Hamilton East A. Stuart				200	7.	42	Lincoln D. J. Sidev	57.9	66.0	49.9	754	15
••	CAMBRIDGE H. Sturgeon	61.7	72.4	51.0	437	14	1220	Lake Coleridge H. E. M. Hart	58.6	68-1	49.1	474	14
211		61.3	72.3	50.4	636	13	1200	"Rudstone," Methven	55.9	64.7	47.2	817	16
46	TE AROHA	64.4	75.2	53.7	500	12	323	James Carr ASHBURTON	٠.,	*	49.7	679	14
340	C. E. Christensen Waihi	61.6	70.9	52.3	1403	13	1000	H. P. Clayton	57.4	67.7	47.2	644	17
100		60.9	71.6	50.2	892	16	2510	J. Fraser THE HERMITAGE,					
925	Miss K. Butcher ROTORUA	61.0	69.9	52.1	515	13		MOUNT COOK C. C. Woolley					
1000	G. R. Ewing ROTORUA NURSERY,	58.8	72.0	45.6	607	14	2350	LAKE TEKAPO R. R. Beauchamp	54.7	65.4	44.1	304	8
	WHAKAREWAREWA W. T. Morrison						56	Timaru Caretaker of Domain	57.9	65.2	50.7	423	17
60	New Plymouth G. H. Dolby	60.4	67.6	53.3	810	15	200	WAIMATE F. Akhurst	56.4	63.9	49.0	368	13
2125	Karioi H. E. Fache	53.7	65.4	42.0	549	13	1550	SANATORIUM, WAIPIATA Dr. A. Kidd	55.9	67.2	44.7	452	12
2080	TAIHAPE A. R. Fannin	57.3	65.7	48.9	610	18	1000	OPHIR Rev. A. Don	58.7	70.8	46.7	200	14
100	PALMERSTON NORTH J. A. Colguboun	61.2	69-6	52.9	421	11	••	Manorburn Dam J. C. Buchanan	52.4	62.7	42.1	213	11
••	Massey Agri. Col., Palmerston N.	60.9	69.1	52.8	491	.18	520	ALEXANDRA		70.8	*	190	10
0	I. P. E. Sulser	61.0	5 0.0	F2.4	400	14	300	Geo. Smith DUNEDIN	56.8	64.9	48.8	388	16
8	E. Belworthy	61.3	70.2	52.4	406		245	D. Tannock Gore	• •	}			
119	CENTRAL DEVELOPMENT FARM, WERAROA	61.1	69.1	53.2	629	17	12	A. T. Newman Hokitika	58.9	მ5∙8	52 0	887	19
5		63.4	69.5	57.3	4.82	15	12	J. A. Chesney INVERCARGILL	55.5	63.7	47-3	343	17
45		61:7	70.1	53.4	414	13		L. Lennie		<u> </u>	·		
384	H. N. Fowler MANGAMUTU,	30.8	70.5	51.2	487	18							
	Pahlatua A. W. Hamilton							EI	RRATA	۸.			
377		60.4	70.3	50.6	644	16	340	WAIHI					Ī
186		60.3	70.2	50.5	729	15	5	September, 1928	53.5	• •	46.2		
415	WELLINGTON	58 1	63.9	52.3	819	15	9	March, 1928	64.2	70.6	57.8	. ••	١.,

^{*} Thermometer out of order.