

*Pressure Systems.*—As regards the type of weather experienced, the month may be divided into three distinct periods. During the first, conditions were similar to those which prevailed during the greater part of April, pressure being continuously high over Australia. From the 3rd to the 6th the weather was unsettled while a complex westerly depression moved across the Tasman Sea and southern New Zealand. The main portion passed on the 5th, and from then on south-westerly winds predominated in most districts. By the 7th barometers had become very high in eastern Australia and the south-westerlies thoroughly established in New Zealand. They continued without intermission until the 12th. Throughout this period cold, squally, and showery weather was experienced, especially in districts with a westerly aspect. The 8th was a particularly unpleasant day. South-westerly or southerly gales and hailstorms occurred at many places, while snow fell on the high levels of the South Island. On the 6th and 7th, also, there were heavy snowfalls on the ranges. Eastern districts did not fare so badly during this first part of the month, being protected by the ranges from much of the bad weather.

On the 13th an anticyclone passed from Australia on to the north Tasman Sea, and a fresh type of weather was introduced. From the 14th till the 18th westerlies prevailed. Western and far southern districts again recorded heavy rains. In Southland rivers were high for much of the first half of the month, and some local flooding occurred.

The third type of weather began to set in on the 19th, and still held at the end of the month. Winds at most places developed an easterly component. A series of cyclones developed in the Tasman Sea and passed slowly across the Dominion. From the 20th onwards dull and misty weather was practically continuous. Rain was widespread on most days, and the dry spell experienced for so long in many eastern districts was finally broken. A deep cyclone which passed by the northern extremity of the Dominion on the 25th caused very heavy rain east of the main range in the North Island between the 25th and the 28th. Severe floods occurred in the Poverty Bay and Hawke's Bay Districts, and the Manawatu River also overflowed its banks. At Gisborne 5.63 inches of rain fell on the 26th, the heaviest fall in twenty-four hours yet recorded there.

From the 28th onward the heaviest rains occurred farther southward, and the situation in Hawke's Bay, which had become alarming, was gradually relieved.

EDWARD KIDSON, Director.

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

Altitude above Sea-level.	Name of Station and Observer.	Extremes.					Altitude above Sea-level.	Name of Station and Observer.	Extremes				
		Mean Temp. Air in Shade.	Mean Max. Temp.	Mean Min. Temp.	Total Rainfall (100 Points to the Inch).	Days with Rain († Point or more).			Mean Temp. Air in Shade.	Mean Max. Temp.	Mean Min. Temp.	Total Rainfall (100 Points to the Inch).	Days with Rain († Point or more).
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.		
200	TE PARI, TE HAPUA .. R. J. Harrison	58.2	63.2	53.1	564	24	NELSON .. O. B. Pemberton	50.8	58.8	42.8	274	12	
225	WAIPOUA, DONNELLY'S CROSSING A. Bodle	55.5	63.2	47.8	1000	25	57 APFLEBY, NELSON .. W. J. Biggar	50.4	58.4	42.5	288	11	
110	RIVERHEAD .. J. Johnson	55.4	61.7	49.1	938	24	.. BLENHEIM .. P. J. Galliers	50.1	59.0	41.2	240	9	
160	AUCKLAND .. S. M. Yallop	57.6	62.5	52.7	642	24	860 WAIHOPAI, BLENHEIM .. J. Stanwell	47.8	56.2	39.5	269	11	
404	WAIHI .. M. F. Haszard	54.3	60.5	48.1	879	26	800 GOLDEN DOWNS, NELSON Forest Ranger	45.3	54.7	35.9	280	7	
46	TE AROHA .. C. E. Christensen	56.7	63.6	49.8	496	24	1225 HANMER SPRINGS .. H. Roche	44.2	53.7	34.7	228	13	
100	TAURANGA .. Miss K. Butcher	55.2	62.5	47.8	542	17	743 BALMORAL, CULVERDEN .. J. E. Fletcher	45.7	53.1	38.3	202	12	
131	R U A K U R A F A R M, HAMILTON EAST G. K. McPherson	54.0	62.2	45.9	634	24	12 HOKITIKA .. J. A. Chesney	48.0	55.2	40.8	1074	19	
230	CAMBRIDGE .. H. McArthur	54.3	62.3	46.3	615	21	1220 LAKE COLEBRIDGE .. H. E. M. Hart	44.4	53.1	35.7	225	12	
925	ROTORUA .. W. E. Penno	52.2	58.6	45.7	600	17	1200 "RUDSTONE," METHVEN James Carr	45.4	51.3	39.4	229	10	
1000	ROTORUA NURSERY, WHAKAREWAREWA W. T. Morrison	50.7	59.8	41.6	628	18	22 CHRISTCHURCH .. H. F. Skey	46.6	53.9	39.2	328	14	
617	ONGARUE .. D. J. Gardiner	49.6	59.3	40.0	644	21	36 LINCOLN .. E. W. Hullett	46.5	54.8	38.2	223	11	
60	NEW PLYMOUTH .. G. H. Dolby	54.6	59.8	49.4	936	25	2510 THE HERMITAGE, MOUNT COOK C. Elms	39.4	45.6	33.3	1589	16	
3670	CHATEAU TONGARIRO, NATIONAL PARK W. J. Stevens	41.2	46.7	35.7	1522	25	323 ASHBURTON .. H. P. Clayton	45.2	53.8	36.7	197	12	
2125	KARIOI .. L. H. Bailey	45.0	53.5	36.4	537	20	2350 LAKE TEKAPO .. Miss D. C. Trott	40.2	46.6	33.9	96	9	
5	NAPIER .. T. R. Hutton	52.8	60.6	45.0	719	11	1000 FAIRLIE .. C. Searle	..	..	..	..	..	
45	HASTINGS .. H. N. Fowler	50.8	61.7	39.8	852	12	56 TIMARU .. A. W. Anderson	45.2	53.1	37.2	109	7	
2157	TAIHAPE .. A. R. Fannin	46.7	52.4	41.0	411	20	200 WAIMATE .. F. Akhurst	45.4	54.1	36.7	67	12	
8	TANGIMOANA .. G. W. Braddell	51.2	58.1	44.3	481	17	1110 QUEENSTOWN .. F. W. Bailey	43.8	50.2	37.3	286	13	
100	PALMERSTON NORTH .. E. J. Werry	50.8	57.5	44.2	470	20	1000 OPHIR .. Rev. A. Don	41.0	49.0	33.1	102	8	
110	MASSEY AGR. COL., PALMERSTON NORTH Meteorological Observer	51.0	57.0	45.1	462	20	1550 SANATORIUM, WAIPIATA .. Dr. A. Kidd	41.4	49.2	33.7	109	14	
384	PAHIATUA .. A. W. Hamilton	49.5	57.0	42.0	670	20	520 ALEXANDRA .. Geo. Smith	43.0	50.7	35.2	93	7	
44	KAPITI ISLAND .. A. S. Wilkinson	52.2	56.7	47.8	428	13	2448 MANORBURN DAM .. S. Wragge	37.6	44.1	31.2	276	11	
387	MASTERTON .. Miss R. Robinson	49.2	57.8	40.7	476	21	240 DUNEDIN .. D. Tannock	45.8	51.8	39.9	386	19	
415	WELLINGTON ..	50.7	55.7	45.6	584	17	245 GORE .. A. T. Newman	44.0	51.2	36.7	466	20	
							12 INVERCARGILL .. L. Lennie	44.7	51.2	38.2	488	22	
							230 CAMBRIDGE— LATE RETURNS.						
							March, 1933 ..	62.0	74.7	49.3	227	7	
							April, 1933 ..	57.4	68.0	46.8	485	14	
							GORE— March, 1933 ..	55.3	68.1	42.5	276	6	