



22 JUL 1984

SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 12 JULY 1984

Published by Authority

WELLINGTON: MONDAY, 16 JULY 1984

CLIMATOLOGICAL TABLE

FOR MAY 1984

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for May 1984

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres				Bright Sunshine	
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs			
Cape Reinga	191	18.0	12.2	15.1	+0.2	21.7	11	8.5	21	83	21	-16	36	23	..
Kaitaia Airport	80	17.7	11.3	14.5	+0.0	20.7	6	7.5	28	97	17	-42	41	9	142
Aupouri Forest	69	18.0	12.0	15.0	-0.3	20.9	12	8.9	21	90	11	-26	39	10	..
Kaitaia	8	18.8	9.6	14.2	..	22.1	6	4.9	29	72	13	..	32	9	..
Kerikeri M A F	79	17.7	10.1	13.9	..	21.4	10	5.2	18	166	19	..	81	23	..
Kerikeri Downs	79	17.4	10.6	14.0	..	20.7	10	6.3	29	155	19	..	74	23	..
Kerikeri Aerodrome	150	17.3	9.8	13.6	..	21.5	10	6.0	29	96	17	..	26	23	..
Umawera	9	18.6	7.9	13.3	+0.0	21.5	5	2.0	18	82	15	-62	34	9	..
Kaikohe	204	16.0	10.2	13.1	-0.5	19.5	10	6.4	21	122	17	-87	43	23	115
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	17.4	9.4	13.4	+0.2	21.1	6	4.1	22	113	21	-53	40	9	..
Dargaville	20	17.6	9.6	13.6	+0.0	22.1	7	4.4	18	99	16	-27	38	9	110
Waitangi Forest	55	18.0	10.7	14.4	+0.0	21.4	10	6.4	18	133	16	-5	53	23	116
Glenbervie Forest	107	17.1	8.1	12.6	+0.3	20.9	16	0.0	18	267	19	+91	99	23	..
Whangarei Airport	37	17.3	10.5	13.9	-0.3	20.9	7	5.9	18	160	19	+13	70	23	..
Whangarei	29	17.9	10.1	14.0	+0.0	21.5	6	4.4	18	137	17	..	45	23	101*
Marsden Power Stn.	3	18.2	10.9	14.6	+0.1	21.7	7	5.7	18	133	18	+30	45	23	..
Poua	97	16.5	11.0	13.8	..	21.5	7	6.4	21	126	18	..	49	9	..
Leigh	27	17.4	12.7	15.1	+0.4	20.9	7	7.5	21	78	11	-27	34	9	133
Warkworth	72	16.6	8.8	12.7	-0.3	21.2	7	3.9	22	119	12	-32	33	9	..
Oyster Point	0	17.2	8.9	13.1	-0.3	21.0	7	2.4	17	138	16	+43	53	9	..
Woodhill Forest	30	16.9	9.3	13.1	-0.2	21.4	7	1.3	21	102	18	-37	39	9	..
Riverhead Forest	28	16.5	7.9	12.2	-0.5	22.3	7	-0.3	21	99	10	-49	47	9	..
Kumeu	32	17.1	7.8	12.5	-0.1	21.8	7	-1.2	21	102	15	..	39	9	..
Whenuapai	26	16.9	8.4	12.7	-0.3	21.4	7	1.4	22	95	14	-43	46	9	..
Albert Park Auckland	49	17.1	10.8	14.0	-0.3	20.7	7	5.6	21	100	15	-24	58	9	146*
Owairaka, Auckland	41	16.8	9.5	13.2	-0.2	20.7	7	3.9	21	109	14	-25	55	9	..
Port Fitzroy	4	18.2	11.5	14.9	+0.4	21.0	7	6.5	17	195	20	-2	68	23	..
Little Barrier Is	2	17.5	12.3	14.9	..	20.5	7	8.8	22	120	13	-30	43	9	..
Rotorua Is	30	16.5	11.9	14.2	..	20.0	7	7.2	31	70	7	..	53	9	..
Manukau Heads	244	15.2	10.1	12.7	..	20.2	7	4.2	21	103	13	+4	31	9	..
Coromandel	43	17.4	9.2	13.3	..	21.1	7	1.0	21	156	15	..	84	23	..
Whangapoua Forest	4	17.8	9.1	13.5	+0.5	21.2	10	2.6	17	124	13	-53	51	9	..
Thames	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tairua Forest	3	..	8.5	..	..	..	..	-0.3	21	144	11	-40	51	23	..
Ngatea	15	17.3	6.5	11.9	..	20.7	8	-3.0	21	112	12	..	53	9	..
Paeroa	4	17.3	7.2	12.3	+0.4	21.2	7	-2.2	21	86	14	-38	41	9	..
Waihi	91	15.8	7.3	11.6	-0.2	20.5	7	-2.3	21	186	12	-20	88	23	107
Te Aroha	18	17.1	7.8	12.5	+0.1	20.6	8	-0.6	21	107	11	-43	47	9	..
Katikati	2	16.9	7.5	12.2	..	21.2	10	-0.4	21	93	8	..	40	9	..
Waharoa	60	16.2	6.1	11.2	..	20.2	10	-2.6	21	80	11	..	35	9	..
Whakamarama I	360	13.3	7.5	10.4	..	17.3	10	2.0	31	139	11	..	45	23	134
Tauranga	2	16.7	9.3	13.0	-0.1	21.0	10	3.1	21	86	8	-46	38	9	..
Tauranga Airport	4	16.7	7.7	12.2	-0.2	21.0	10	1.7	31	83	7	-47	36	9	139
Te Puke	91	16.2	6.2	11.2	-0.7	19.9	10	-0.2	31	90	7	-114	37	9	148
Rotochu Forest	72	16.2	4.3	10.3	-0.5	19.7	7	-1.7	21	63	6	-96	34	9	..
Whakatane Airport	6	16.3	5.1	10.7	-0.5	20.2	10	-0.8	31	52	8	-55	26	9	156
Te Kaha	6	17.8	9.4	13.6	..	19.6	8	4.0	31	69	7	..	39	9	..
Port Ohope	9	16.9	8.7	12.8	+0.0	20.5	10	3.8	31	35	8	..	20	9	164
Kinleith	383	13.4	5.3	9.4	-0.2	17.5	7	-1.9	31	111	14	-36	55	25	..
Tikitere	338	13.9	6.4	10.2	-0.4	17.0	10	-0.1	31	66	7	..	25	9	..
Kawerau	30	16.8	5.9	11.4	-0.6	21.5	14	-2.0	31	61	7	-113	26	9	..
Te Teko	8	17.5	5.3	11.4	-0.5	21.8	6	-0.2	21	51	6	-103	28	9	151
Rotorua Airport	287	14.4	5.3	9.9	-0.5	17.1	7	-2.1	21	67	8	-70	29	25	142
Waiotapu Forest	435	13.4	3.8	8.6	-0.6	17.9	15	-2.8	18	64	10	-65	18	24	..
Atiamuri Power Stn	253	14.6	4.5	9.6	-0.4	17.7	14	-1.2	22	96	15	-20	38	25	..
Kaingaroa Forest	544	12.4	2.9	7.7	-1.0	15.4	8	-3.1	18	63	11	-77	23	25	..
Murupara	198	15.0	3.5	9.3	-0.3	18.0	8	-3.2	18	44	7	-76	16	25	..
Wairapukao Forest	437	12.9	1.6	7.3	-0.7	15.8	8	-4.6	17	68	10	-62	25	25	..
Taupo	376	13.6	4.3	9.0	-0.6	16.2	10	-2.7	21	73	12	-29	20	24	121
Wairakei Power Stn	342	14.2	4.2	9.2	-0.5	17.2	10	-3.5	21	75	11	-32	23	24	..
Wairakei Research Stn	402	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Minginui Forest	366	13.7	3.1	8.4	-0.1	17.1	12	-4.0	31	89	8	-44	41	25	..
Taupo Airport	407	13.1	4.1	8.6	-0.7	16.0	7	-4.2	31	63	11	-20	17	24	..
Waimihia Forest	743	10.1	3.0	6.6	-0.3	13.0	12	-3.0	31	88	12	-68	27	25	..
Opotiki	6	16.8	7.1	12.0	-0.3	20.7	10	-0.1	31	51	8	-79	30	9	154
Waimana	37	16.4	4.2	10.3	-0.5	19.8	10	-1.8	31	58	8	-112	31	9	..
Mangere Auckland	4	17.0	9.6	13.3	-0.1	21.2	7	2.5	21	85	14	-38	44	9	138
Otara Auckland	12	17.0	8.6	12.8	-0.1	21.1	7	0.2	21	93	13	-25	55	9	..
Auckland Airport	8	16.6	9.5	13.1	-0.3	20.9	7	3.1	21	77	15	-34	44	9	145
Ardmore	30	17.0	7.7	12.4	-0.1	21.0	7	0.5	21	103	18	-23	61	9	..
Pukekohe	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maioro Forest	52	17.0	9.0	13.0	-0.2	21.0	7	0.4	21	86	13	-50	20	8	..
Hunua	122	16.2	6.6	11.4	..	20.1	7	-1.2	21	99	14	..	60	9	..
Maramarua Forest	38	16.6	6.3	11.5	-0.2	21.3	7	-2.1	21	93	12	-28	53	9	..

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		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs	
Te Kauwhata	32	16.5	7.1	11.8	-0.4	20.5	7	-0.5	21	89	17	-30	30	9	119
Huntly	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taupiri	23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruakura Hamilton	40	16.3	6.4	11.4	+0.0	20.1	7	-1.4	17	47	11	-69	14	9	123
Whatawhata	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rukuhia	66	16.3	6.4	11.4	-0.3	19.4	7	-1.5	21	79	15	-34	26	25	103
Hamilton Airport	50	16.4	5.1	10.8	-0.1	19.9	10	-3.7	21	73	14	-38	30	25	..
Cambridge	76	15.7	6.3	11.0	-0.2	19.2	8	-3.7	21	51	14	-46	14	25	..
Port Taharoa	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohakatino Stn Mokau	46	15.5	8.6	12.1	-0.5	18.5	10	2.1	31	147	17	-26	38	25	..
Arapuni Power Stn	123	15.7	5.3	10.5	-0.6	20.0	13	-2.0	21	85	13	-48	25	25	..
Waikeria	46	15.8	5.3	10.6	+0.1	19.5	13	-5.2	21	93	11	..	50	25	..
Te Kuiti	61	15.8	5.8	10.8	-0.3	20.3	10	-2.0	21	87	21	-72	28	25	102
Wairere	122	15.1	5.4	10.3	..	19.8	10	-3.5	21	109	16	-72	25	25	..
Pureora Forest	549	11.8	4.5	8.2	-0.2	15.9	10	-4.6	21	113	17	-65	25	1	..
Mangakahu Valley	397	13.3	4.8	9.1	..	17.3	10	-3.0	21	67	16	..	15	24	..
Taumarunui	171	15.4	3.1	9.3	-0.9	19.9	10	-3.6	1	113	19	-36	25	25	91
Tokirima	152	15.3	4.0	9.7	..	18.4	8	-5.7	21	118	16	..	34	25	..
Omata	61	15.8	9.9	12.9	-0.3	17.7	8	4.0	21	140	18	-18	29	8	..
New Plymouth	55	15.8	8.4	12.1	-0.3	18.6	12	2.4	31	136	17	-24	33	8	..
New Plymouth Airport	27	15.5	7.7	11.6	-0.4	18.5	8	-0.6	21	111	16	-56	26	8	139
North Egmont	955	9.8	3.0	6.4	..	13.5	7	-1.4	20	569	20	..	126	9	..
Te Wera Forest	180	14.6	3.8	9.2	-0.5	18.0	8	-4.0	21	127	19	-60	50	25	..
Lower Retaruke	223	14.5	4.5	9.5	-0.2	18.0	10	-4.0	21	149	15	+4	68	25	..
Turangi	366	13.4	3.3	8.4	-0.9	16.9	10	-4.2	22	95	15	-79	21	9	158
Chateau, Mt Ruapehu	1097	9.0	1.7	5.4	..	12.6	11	-5.4	31	241	..	..	..	..	..
Hukanui	235	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Res	305	13.4	5.0	9.2	+0.3	19.5	8	0.2	29	181	15	-66	62	24	..
Waingawa Masterton	114	14.9	4.9	9.9	-0.3	21.0	5	0.5	4	86	17	-10	26	24	119
Kopua	311	13.2	5.6	9.4	-0.3	18.9	8	-0.2	17	86	16	-11	43	24	..
Waipukurau	137	14.6	4.4	9.5	-0.6	19.5	8	-3.0	18	56	13	-9	32	24	134*
Dannevirke	207	13.8	6.1	10.0	-0.2	18.6	8	-0.6	17	62	12	-37	28	24	108
Porangahau	8	15.7	6.8	11.3	..	20.4	8	0.2	17	48	18	..	21	24	..
Castlepoint	3	15.3	9.9	12.6	+0.1	20.3	8	4.5	29	71	15	-30	26	9	..
Ngauumu Forest	244	14.0	4.3	9.2	-0.1	20.5	8	-2.3	17	113	16	-15	47	24	..
Tauherenikau, Alloa	43	15.3	5.1	10.2	-0.5	21.2	5	0.2	29	105	15	+1	38	24	..
Waiorongomai	21	13.9	6.6	10.3	-0.3	17.4	1	1.7	4	179	18	+11	31	24	..
Cape Palliser	10	14.6	9.1	11.9	-0.7	19.0	5	5.0	29	171	18	+60	73	24	..
East Cape	17	17.0	10.2	13.6	-0.4	19.5	7	6.0	31	89	16	-45	30	23	..
Ruatoria	61	17.5	7.2	12.4	-0.2	20.9	7	2.1	18	179	12	-14	62	24	..
Mangatu Forest	182	16.5	5.8	11.2	+0.0	20.4	14	1.2	31	46	11	-60	11	23	..
Manutuke Gisborne	9	17.0	5.4	11.2	-0.7	21.8	7	0.3	18	40	15	-50	7	23	..
Gisborne Airport	4	16.9	6.5	11.7	-0.4	21.6	8	1.3	5	51	17	-41	12	24	167
Onepoto, Waikaremoana	643	11.6	5.3	8.5	-0.8	17.5	8	0.2	31	128	13	-54	27	24	..
Wharerata Forest	439	13.8	6.2	10.0	..	19.3	8	1.5	31	147	..	..	26	24	..
Esk Forest	427	13.4	5.9	9.7	-0.3	19.7	7	-0.5	31	141	13	+0	36	24	..
Ngamatea	885	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaweka Forest	414	13.4	6.5	10.0	-0.4	18.9	7	1.8	31	116	13	+15	39	24	..
Napier Airport	2	16.2	6.4	11.3	-0.4	22.5	1	1.0	31	49	10	-22	26	24	..
Napier	2	16.5	7.1	11.8	-0.3	21.6	1	-0.2	31	57	11	-10	30	24	154
Hastings	16	16.7	5.0	10.9	..	21.0	1	-0.5	18	55	11	..	31	24	..
Whakatu	6	16.2	4.8	10.5	..	20.8	1	-1.4	18	49	10	..	30	24	..
Gwavas Forest	335	13.5	3.7	8.6	-0.5	19.2	8	-1.7	31	94	15	+2	39	24	..
Makaretu	335	14.2	4.6	9.4	-0.3	19.2	8	-0.7	31	86	21	-1	38	24	..
Mohaka Forest	286	14.4	6.1	10.3	-0.5	19.8	7	-1.2	31	90	12	-34	31	10	..
Frasertown, Wairoa	8	16.2	6.3	11.3	-0.7	22.0	7	1.4	31	101	15	-28	35	10	..
Wairoa	20	16.2	6.3	11.3	-0.4	21.1	7	0.1	31	79	11	-39	26	10	152
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	14.5	6.8	10.7	-0.5	18.2	9	-0.7	23	72	15	-37	25	9	141
Flockhouse Bulls	9	15.1	6.4	10.8	-0.2	18.6	7	-3.7	21	67	13	-23	14	24	..
Ohakea	48	14.8	6.9	10.9	-0.4	19.0	9	-0.2	22	64	16	-22	17	18	133
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston N	15	15.0	6.0	10.5	-0.1	18.9	9	-4.7	21	61	15	-29	23	25	129
Palmerston N Airport	45	15.0	6.8	10.9	+0.3	19.0	9	-1.8	31	73	17	-13	19	24	..
Palmerston N D S I R	34	14.6	7.5	11.1	-0.1	18.8	9	-1.1	21	96	16	+3	32	25	107
Tiritea	100	..	7.5	..	..	..	..	-0.4	31	96	16	..	34	25	..
Waitarere Forest	3	15.0	6.5	10.8	+0.0	19.0	9	-2.8	21	39	12	-54	11	24	..
Levin	46	14.8	7.1	11.0	-0.2	19.1	9	-0.9	21	74	16	-41	15	9	127
Titahi Bay	31	14.6	7.5	11.1	..	18.0	1	1.0	23	85	13	..	20	9	..
Avalon, Lower Hutt	15	..	7.1	..	..	..	..	-0.2	23	93	16	-65	28	9	..
Highland Park	154	..	..	..	..	..	..	..	..	89	13	..	33	9	..
Kelburn, Wellington	125	13.5	7.8	10.7	-0.5	17.3	1	2.5	23	89	12	-47	25	9	141
Somes Is	43	13.8	8.6	11.2	-0.3	17.5	1	4.0	23	69	12	-53	25	9	..
Gracefield Lower Hutt	34	14.3	7.6	11.0	-0.4	18.5	1	2.0	23	86	13	-67	31	9	..
Wainuiomata	82	13.7	5.6	9.7	-0.7	16.6	15	-0.6	23	89	14	-110	26	9	..

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		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm	Hrs		
Wellington Airport	6	14.5	8.7	11.6	-0.2	18.6	1	1.4	23	71	12	-43	23	9	..
Rimutaka Forest	37	14.2	6.0	10.1	..	17.6	15	-1.4	23	92	14	..	30	9	..
Kaitoke	223	13.3	5.1	9.2	-0.1	18.0	9	-1.5	4	141	17	-83	45	25	102
Wallaceville	56	14.3	5.2	9.8	-0.3	17.6	9	-1.3	23	85	19	-53	22	9	111
Cape Egmont	8	15.5	9.3	12.4	-0.4	18.0	12	-0.4	22	112	23	-31	29	8	..
Stratford Mtn House	846	9.8	3.3	6.6	-0.2	15.5	16	-1.1	22	400	15	-250	92	9	..
Stratford Dem Farm	311	13.5	5.2	9.4	-0.7	16.4	8	-2.3	22	107	13	-95	22	24	133
Kapuni	173	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manaia Dem Farm	98	14.7	6.9	10.8	-0.5	18.6	9	-2.3	22	66	17	-71	12	24	..
Normanby	122	14.4	6.6	10.5	+0.1	18.1	7	-2.5	22	44	22	..	9	24	..
Patea	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ohakune Junction	629	11.4	3.3	7.4	-0.1	16.4	9	-3.2	22	119	16	-37	31	25	..
Karioi	648	11.6	..	..	..	19.8	9	..	..	100	14	-21	27	25	..
Waiouru	823	10.8	2.9	6.9	+0.1	15.5	9	-4.5	31	83	17	-24	23	1	..
Waiouru Military Camp	823	10.2	2.6	6.4	-0.2	14.9	9	-4.8	31	78	18	-39	15	1	..
Ahu Ahu Valley	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taihape	433	13.3	3.5	8.4	-0.1	18.2	9	-4.1	22	94	18	+1	26	1	..
Kahui, Taihape	518	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wanganui	22	15.3	7.6	11.5	-0.4	19.9	9	-0.2	22	40	14	-45	13	24	127
Wanganui Airport	9	15.4	7.4	11.4	..	19.9	9	-0.5	23	44	14	-40	13	24	..
Farewell Spit	3	15.7	7.4	11.6	-0.1	18.5	7	2.9	16	87	13	-56	29	8	..
Totaranui	10	15.2	6.1	10.7	..	19.6	7	2.2	2	155	10	+15	64	8	..
Westport Airport	2	14.0	6.9	10.5	-0.4	17.5	10	1.2	20	169	18	-51	32	9	109
Cobb Dam	823	10.6	1.3	6.0	-0.3	15.5	7	-4.5	22	166	15	-81	35	24	..
Arapito	20	15.2	6.0	10.6	..	20.1	9	-0.5	20	167	18	..	26	8	108
Lake Rotoroa	443	10.7	1.7	6.2	..	14.7	6	-3.5	21	152	19	..	23	1	..
Lake Rotoiti	634	10.4	0.7	5.6	-0.6	14.7	5	-5.7	21	100	19	-51	32	8	..
Hokitika Airport	39	13.5	4.7	9.1	-0.8	18.5	9	-1.5	22	164	17	-107	35	8	118
Punakaiki	4	14.4	8.7	11.6	..	18.6	9	4.9	20	166	21	..	25	13	..
Reefton	198	11.1	2.7	6.9	-1.2	15.9	10	-4.2	21	139	18	-61	22	1	..
Barrytown	30	14.2	8.1	11.2	..	18.7	9	4.5	2	208	19	-20	33	18	..
Totara Flat	77	12.7	3.0	7.9	-0.7	17.0	10	-5.5	22	112	19	-82	26	18	..
Greymouth	4	13.2	5.5	9.4	-1.2	18.0	9	-0.2	2	160	19	-66	31	18	90
Otira Substation	383	10.4	2.4	6.4	-1.1	12.5	6	-2.5	21	268	18	-212	53	18	..
Springs Junction	421	9.7	..	..	..	13.8	7	..	..	150	19	-116	32	18	..
Pukekura	86	13.3	2.1	7.7	..	18.9	9	-2.5	22	170	18	..	58	8	..
Hari Hari	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Okarito	10	..	..	..	..	..	..	..	..	189	15	..	49	8	..
Franz Josef	155	13.2	4.4	8.8	..	19.5	9	-0.6	2	253	14	..	56	18	103
Fox Glacier	152	13.3	3.4	8.4	-0.5	19.2	9	-1.7	2	197	14	-193	39	8	..
Milford Sound	3	11.1	2.6	6.9	-1.6	14.2	9	-1.2	3	386	15	-138	106	5	..
Puyssegur Point	43	11.3	6.4	8.9	..	16.2	4	2.0	2	132	22	-79	23	13	..
Stephens Is	187	13.2	9.2	11.2	-0.5	16.0	7	5.2	20	92	15	+8	32	9	..
Riwaka Motueka	8	14.8	3.5	9.2	-0.9	18.7	1	-2.1	21	136	8	-15	65	8	179
Tapawera	146	14.2	1.1	7.7	..	19.2	7	-4.6	22	96	10	..	33	8	..
Crail Bay Pelorus Sd	13	14.5	8.5	11.5	..	20.1	1	2.5	31	118	11	..	41	8	..
Appleby	17	14.7	4.3	9.5	-0.9	19.2	5	-0.6	21	81	6	-24	33	8	..
Nelson Airport	2	14.2	3.8	9.0	-0.8	17.8	1	-1.5	21	80	10	-31	32	8	191
Rai Valley	79	14.7	3.0	8.9	-0.6	19.5	7	-3.5	22	170	9	-41	90	8	..
Moutere Hills	110	14.3	6.6	10.5	-0.4	18.4	5	1.8	20	88	8	-19	39	8	..
Blenheim Airport	27	14.6	4.1	9.4	-0.5	20.7	5	-2.1	31	58	9	-24	20	24	..
Brancott Valley	64	14.9	3.4	9.2	..	20.6	5	-3.0	31	56	7	..	20	8	..
Blenheim	4	15.3	4.0	9.7	-0.7	20.7	5	-2.6	31	56	9	-16	23	24	182
Wither Hills Blenheim	32	14.9	4.3	9.6	-0.8	21.0	5	-2.0	21	58	8	-13	28	24	..
Waihopai Power Stn	262	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vernon Lagoons	2	15.0	3.6	9.3	-0.6	20.2	1	-3.4	31	49	8	-16	19	24	..
Lake Grassmere	2	14.4	5.7	10.1	-0.6	20.0	1	0.2	21	68	11	+6	30	24	168
Cape Campbell	3	14.3	8.4	11.4	-0.1	18.7	15	4.5	2	67	13	-7	27	24	..
Boyle River Lodge	600	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hanmer Forest	387	11.3	-0.1	5.6	-1.7	17.6	5	-5.5	21	48	12	-67	15	9	107
Molesworth	893	10.6	-1.2	4.7	-0.4	20.9	5	-7.1	21	48	6	-21	19	8	..
Kaikoura Flats	24	13.6	4.3	9.0	..	19.6	15	-0.3	22	138	11	..	77	24	..
Kaikoura	108	12.8	7.0	9.9	-0.6	18.0	14	3.4	29	71	13	-26	33	24	147
Arthurs Pass	738	8.1	-0.4	3.9	..	11.5	5	-6.0	22	200	15	-183	42	8	..
Culverden	174	11.8	-0.3	5.8	..	17.8	18	-7.0	22	36	6	..	12	24	..
Balmoral Forest	198	12.4	0.3	6.4	-1.4	17.5	13	-6.0	22	34	13	-26	10	24	..
Waiau	137	13.1	0.1	6.6	..	20.4	5	-6.5	21	38	11	..	14	9	..
Cheviot	85	13.4	1.7	7.6	..	20.1	13	-5.3	21	93	13	..	46	24	118
The Hermitage Mt Cook	765	9.0	0.4	4.7	-0.9	14.7	3	-4.1	21	160	18	-189	45	18	84
Mt John	1027	7.4	0.5	4.0	-0.9	15.5	5	-4.0	2	25	6	-32	12	8	..
Craigieburn Forest	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Coleridge	364	11.7	0.2	6.0	-1.4	18.3	13	-4.5	22	31	8	-53	13	8	..
Highbank Power Stn	336	10.9	2.9	6.9	-1.6	17.8	13	-2.0	21	44	12	-42	12	9	133
Hororata Substation	192	12.4	0.5	6.5	-1.4	20.2	13	-5.9	22	50	15	-22	16	8	125
Winchmore	160	12.0	2.3	7.2	-0.7	20.5	13	-3.5	23	48	10	-21	17	24	..

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for May 1984—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres				Bright Sunshine Hrs	
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Peel Forest	274	12.1	0.4	6.3	-0.9	19.5	5	-5.0	21	50	17	-10	13	8	..
Ashburton	101	12.9	2.2	7.6	-1.0	20.7	13	-3.8	23	45	10	-24	16	24	141
Waipara	64	12.8	2.8	7.8	-1.6	19.1	13	-3.2	21	53	15	-4	16	24	..
Ashley Forest	107	12.2	3.8	8.0	-1.4	20.0	13	-1.5	20	68	9	-6	24	9	132
Rangiora	46	12.6	2.1	7.4	-1.4	20.6	13	-4.4	23	71	15	+4	29	24	..
Darfield	195	13.0	2.4	7.7	-0.7	21.5	4	-3.3	23	61	14	-18	18	24	..
Eyrewell Forest	158	12.1	1.4	6.8	-1.3	19.5	13	-4.8	22	57	13	-23	17	24	..
Christchurch Airport	30	12.7	1.9	7.3	-1.6	19.6	13	-4.5	22	49	13	-18	22	24	145
Templeton	46	12.5	2.5	7.5	-1.4	19.5	13	-4.5	22	43	8	..	22	24	..
Christchurch	7	..	3.3	..	..	..	..	-3.0	22	35	13	-39	11	8	..
Bromley Christchurch	9	12.3	4.3	8.3	-1.4	18.8	13	-1.7	22	54	14	-20	21	24	..
Mt Pleasant	137	12.5	6.5	9.5	-1.0	20.0	13	2.7	21	70	14	-16	26	24	..
Lincoln	11	12.6	2.2	7.4	-1.4	19.6	13	-5.1	22	43	11	-25	15	8	135
Quail Island	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Akaroa	3	14.1	3.9	9.0	-0.9	20.0	14	-2.0	23	145	15	..	62	24	..
Lake Tekapo	683	8.8	0.3	4.6	-1.4	17.5	5	-5.5	21	28	6	-32	15	8	..
Lake Pukaki	556	9.1	0.9	5.0	-1.3	16.2	5	-4.0	22	36	7	-20	25	8	..
Fairlie	304	12.5	-1.2	5.7	..	20.6	5	-8.0	21	33	6	..	17	8	..
Twizel	457	9.9	-1.6	4.2	-1.3	16.5	5	-8.0	21	30	9	-28	18	8	..
Ikawai	70	12.4	1.7	7.1	-0.7	18.0	14	-5.5	22	61	6	+20	29	24	..
Geraldine	119	12.9	1.6	7.3	-0.8	19.1	4	-4.0	22	39	8	-26	15	8	..
Orari Estate	81	12.4	1.5	7.0	-0.7	18.2	4	-4.2	22	44	12	-17	14	8	..
Temuka	24	13.1	1.6	7.4	-0.7	19.5	4	-3.7	23	43	7	-5	15	8	..
Timaru Airport	26	12.7	1.6	7.2	-0.6	18.8	18	-4.5	23	41	8	-6	15	8	..
Adair	85	12.3	4.1	8.2	-0.6	17.9	5	-1.0	22	44	9	-3	16	24	..
Timaru	17	11.9	3.1	7.5	-1.1	16.8	18	-1.9	23	41	9	-8	15	24	134
Waimate	61	13.2	3.3	8.3	-0.9	19.3	13	-3.0	21	59	8	+4	30	24	..
Aviemore	241	11.5	3.2	7.4	..	16.6	5	-2.9	22	38	9	+1	15	8	..
Kurow	207	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru Airport	30	12.1	3.0	7.6	-0.5	17.4	4	-2.8	21	60	9	+14	22	24	123
Knobs Flat	360	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tara Hills Omarama	488	9.6	-0.4	4.6	-1.0	16.5	5	-6.8	22	38	9	-11	20	8	133
Lake Hawea	350	10.5	1.0	5.8	-1.5	16.0	5	-3.2	23	55	9	-22	21	8	..
Wanaka	296	11.2	0.0	5.6	-1.3	17.7	5	-4.5	23	52	9	-15	19	8	..
Queensberry	277	10.5	0.5	5.5	..	18.5	5	-5.8	23	27	9	..	11	8	..
Bendigo	200	11.6	-0.5	5.6	..	18.8	15	-6.4	23	24	9	..	10	8	..
Naseby	607	9.3	-0.4	4.5	..	17.4	5	-5.9	22	54	10	..	17	5	..
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ranfurly	427	9.3	..	..	..	15.6	5	..	..	23	8	-9	13	5	82
Herbert Forest	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston	21	12.7	2.1	7.4	-0.2	19.7	4	-7.4	23	82	9	+26	49	24	119
Cherry Farm Hospital	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taiaroa Head	72	11.0	5.8	8.4	-0.8	16.4	14	2.1	16	75	14	+5	16	5	..
Invermay, Taieri	30	11.8	3.0	7.4	-0.5	18.0	13	-6.0	21	71	22	-10	16	5	86
Berwick Forest	18	11.2	1.9	6.6	-1.0	16.3	14	-5.7	22	102	15	+31	26	1	..
Dunedin Airport	1	11.6	2.3	7.0	-0.5	18.6	4	-7.5	23	70	16	+11	16	5	88
Musselburgh Dunedin	2	11.1	5.1	8.1	-1.0	17.3	14	-1.2	23	83	16	+3	23	24	90
Te Anau	215	10.0	1.9	6.0	-0.9	15.6	4	-2.5	20	108	12	+7	26	14	90
West Arm, Manapouri	232	7.7	3.5	5.6	-0.9	13.3	4	-1.0	23	280	17	-105	57	4	..
Borland Burn	183	9.7	0.4	5.1	-1.5	15.9	4	-3.6	23	97	16	-34	25	14	..
Queenstown	329	10.8	2.4	6.6	-0.5	17.3	4	-1.7	23	64	12	-22	15	18	77
Queenstown Airport	349	9.7	0.8	5.3	-0.8	16.4	4	-4.7	23	56	9	-14	23	18	..
Otama	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell Sub Stn	213	10.9	-0.6	5.2	..	17.9	5	-7.0	23	19	5	-12	5	18	..
Cromwell	213	10.9	-0.8	5.1	-1.5	18.3	5	-7.1	23	21	9	-16	7	8	126
Northburn	210	11.0	0.2	5.6	..	16.3	14	-5.0	23	23	10	..	8	8	..
Lauder	370	10.1	-1.1	4.5	..	17.1	5	-7.6	23	25	13	..	9	5	..
Clyde Dam	160	10.5	0.1	5.3	..	16.7	5	-5.5	24	24	14	..	8	18	..
Ophir	305	..	-2.5	..	..	..	..	-10.0	22	21	7	-14	7	5	..
Moa Creek	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clyde	171	10.2	-0.7	4.8	..	16.4	14	-8.2	23	21	14	..	8	5	..
Alexandra	141	10.8	-0.9	5.0	..	17.5	13	-6.5	22	15	8	..	8	4	98
Roxburgh Power Stn	110	10.8	1.8	6.3	-1.4	17.0	14	-5.0	21	54	11	+11	9	18	..
Ettrick	83	11.6	0.8	6.2	..	16.5	14	-6.5	22	73	13	..	13	5	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	10.5	1.5	6.0	..	15.7	14	-5.0	23	195	20	+87	56	1	..
Mahinerangi Dam	396	8.3	1.5	4.9	-1.2	13.7	13	-4.8	22	124	17	+20	26	2	..
Tapanui	226	9.9	2.1	6.0	-1.5	14.0	14	-4.2	22	100	18	+1	17	2	..
Taieri Mouth	15	10.9	3.6	7.3	-1.0	16.2	14	-2.6	23	96	17	+16	21	1	..
Tuatapere	27	11.2	3.2	7.2	..	17.4	13	-2.2	22	151	20	..	20	4	..
Otautau	55	10.6	1.5	6.1	-1.3	17.3	4	-5.4	22	181	18	+55	39	1	50
Winton	44	10.8	2.0	6.4	-1.2	16.8	13	-5.0	22	105	16	+14	18	1	76
Gore	123	9.7	2.7	6.2	-0.9	14.8	4	-4.8	22	120	19	+33	26	1	73
Hokonui Forest	46	10.7	2.7	6.7	-1.0	16.5	4	-5.2	22	131	18	+25	36	1	..

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for May 1984—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres					Bright Sunshine
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs			
Woodlands	47	10.6	2.6	6.6	-0.9	15.7	4	-4.1	21	98	24	-12	16	28	..
Invercargill Airport	0	11.0	2.8	6.9	-0.6	16.3	4	-4.5	22	106	21	-1	18	14	68
Tiwai Point, Bluff	5	11.1	4.6	7.9	-0.6	16.8	27	-1.3	22	107	17	+3	30	14	..
Stewart Is	3	10.8	4.1	7.5	-0.6	16.4	4	-1.2	23	128	28	+12	27	14	..
Milton	18	10.8	1.7	6.3	-1.0	16.0	14	-7.0	23	75	16	-3	17	1	..
Clinton School	120	10.0	2.0	6.0	..	15.4	13	-6.2	22	170	19	..	39	2	..
Finegand Balclutha	6	10.9	2.9	6.9	-0.9	15.0	14	-4.0	22	58	14	-6	10	1	80
Owaka	5	11.2	2.9	7.1	-0.6	15.6	13	-6.0	23	122	20	+45	35	1	..
Nugget Point	129	9.9	4.8	7.4	-0.7	14.6	17	0.4	2	108	19	+19	26	1	..
Tautuku	61	10.7	3.8	7.3	-0.8	15.5	4	-1.6	21	141	22	+14	23	29	..
Nadi Airport Fiji	19	29.8	21.2	25.5	+0.5	31.8	22	17.0	10	288	17	+209	90	27	137
Rarotonga Airport	7	26.5	20.7	23.6	-0.1	28.5	4	17.4	28	143	11	-40	96	6	162
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	21.2	16.7	19.0	+0.2	24.7	20	13.4	1	118	10	-24	43	15	113
Campbell Is	15	7.9	4.0	6.0	+0.1	10.5	4	-1.5	2	102	30	-32	14	14	12
Waitangi, Chatham Is	44	12.4	7.2	9.8	-0.5	15.9	25	2.0	31	73	25	-41	9	20	89
Scott Base Antarctica	16	-15.8	-26.7	-21.3	-5.9	-6.7	17	-39.3	12	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Umawera 04/1984	9	21.7	8.8	15.3	-1.0	25.0	3	3.0	20	52	7	-70	18	3	..
Dargaville 04/1984	20	20.3	10.3	15.3	-0.6	24.0	5	3.2	22	59	9	-35	16	28	175
Whangapoua Forest 04/1984	4	21.3	9.6	15.5	-0.1	24.0	1	3.9	30	43	8	-127	14	2	..
Port Ohope 04/1984	9	20.5	11.5	16.0	+0.2	23.0	2	6.1	10	20	4	..	9	28	225
Huntly 03/1984	34	23.1	15.0	19.1	..	26.6	3	11.1	25	110	16	..	50	5	..
Huntly 04/1984	34	20.2	10.3	15.3	..	23.4	1	5.9	12	43	10	..	8	26	..
Port Taharoa 03/1984	27	23.6	15.5	19.6	+0.8	..	..	..	..	154	17	+70	45	30	..
Port Taharoa 04/1984	27	19.7	12.0	15.9	-0.6	24.6	3	7.4	30	105	12	-13	58	28	..
Hukanui 04/1984	235	17.0	8.0	12.5	..	19.8	1	1.0	30	77	13	-52	16	27	..
Waingawa Masterton 04/1984	114	18.8	7.9	13.4	+0.3	24.7	1	0.7	30	31	11	-50	6	26	170
Kopua 04/1984	311	16.7	8.0	12.4	-0.1	23.4	1	1.4	10	27	11	-64	9	8	..
Waipukurau 04/1984	137	18.6	6.7	12.7	-0.4	25.9	1	-1.2	10	15	9	-57	5	20	176*
Wharite Peak 12/1983	914	12.9	5.9	9.4	-0.8	23.9	8	2.0	27	143	20	-64	19	16	..
Mania Dem Farm 03/1984	98	21.2	12.7	17.0	+1.0	25.6	2	6.0	25	132	16	+46	29	5	152
Mania Dem Farm 04/1984	98	17.4	9.4	13.4	-0.3	20.7	4	1.6	30	64	13	-35	28	26	174
Kahui, Taihape 04/1984	518	16.7	6.3	11.5	-0.6	21.5	1	1.4	30	51	9	-29	13	4	..
Westport Airport 04/1984	2	16.8	9.1	13.0	-0.3	18.9	1	3.5	30	124	12	-76	31	25	162
Hari Hari 04/1984	45	16.8	5.9	11.4	-0.4	19.8	21	-1.5	9	230	13	-62	46	27	..
Puysseg Point 04/1984	43	..	9.9	..	..	..	..	6.2	29	201	25	-15	42	5	..
Waihopai Power Stn 04/1984	262	18.1	6.3	12.2	-0.2	23.8	1	0.8	30	18	5	-61	9	28	..
Ashley Forest 03/1984	107	19.9	11.2	15.6	+0.8	27.8	28	4.5	24	169	11	+90	51	12	130
Ashley Forest 04/1984	107	17.6	7.2	12.4	+0.0	24.5	4	1.5	29	11	6	-65	7	28	188
Eyrewell Forest 04/1984	158	18.3	6.2	12.3	+0.8	25.0	4	-1.0	23	13	8	-58	7	28	..
Knobs Flat 04/1984	360	..	..	..	..	..	..	..	..	214	19	-17	43	30	..
Naseby 04/1984	607	15.6	3.3	9.5	..	20.5	24	-2.4	29	21	6	..	12	28	..
Windsor 02/1984	88	20.4	9.3	14.9	..	29.6	24	2.0	19	12	7	..	6	18	..
Windsor 03/1984	88	19.5	10.6	15.1	..	26.6	2	2.2	23	49	16	..	14	6	..
Oamaru 04/1984	5	17.0	7.5	12.3	..	25.5	7	3.2	9	14	5	..	9	28	..
Taiaroa Head 04/1984	72	15.4	9.1	12.3	+0.9	23.0	7	1.0	9	11	9	-51	5	30	..
Moa Creek 04/1984	427	16.5	0.7	8.6	-0.1	20.2	7	-5.5	11	14	5	-20	8	27	..
Totokoitu, Rarotonga 04/1984	9	28.9	23.0	26.0	+0.9	30.8	7	20.0	24	294	14	..	153	10	..

The "normal" refers to the present site of the instruments. Standard period for normals is 1951-1980. No normals are available for stations with only short records.

*Indicates that the sunshine recorder is not located at the station but is in the near vicinity.

A rainy day is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall have occurred more than once during the month, the date of the first occurrence is given.

THE WEATHER IN NEW ZEALAND IN MAY 1984

General—May was cool and dry over most of New Zealand.

Winds in the north were very close to normal for May, the only notable point being a slight increase in winds from the easterly quarter. In the south there were significantly fewer north-westerly winds than usual and more light winds than normal for May.

High winds in the Bay of Plenty and Hawkes Bay region on the 1st and 2nd caused some kiwifruit and apple losses, and caused extensive power cuts and minor damage in the Thames area on the 24th.

Pressures were higher than normal over the whole country this month.

Most farmers reported excellent stock health and good growth until the end of the month when extensive frosts slowed growth considerably.

Rainfall—Most of the country was drier than usual this month. The only areas to have average or above average rainfall were isolated coastal areas in Northland and Gisborne in the North Island, and some eastern coastal areas, Otago and Southland in the South Island. These areas generally had between normal and 150 percent of normal rainfall.

The Bay of Plenty region was quite dry with many stations recording less than half their normal rainfall, while the rest of the North Island had between about 50 percent and 80 percent of normal rainfall. In the South Island most stations also recorded between 50 and 80 percent of normal rainfall.

Temperatures—May was a cool month. Mean temperatures were about 0.5°C cooler than usual for the time of year.

Canterbury, Central Otago and parts of Westland and Fiordland were particularly cool, with mean temperatures between 1°C and 2°C, and mean minimum temperatures up to 3°C, cooler than usual for May. North Island temperatures were closer to normal with southern Bay of Plenty and Rotorua about 1°C cooler than usual but the rest of the Island up to 0.5°C cooler than normal.

Anticyclonic conditions brought calm, clear weather and heavy frosts to many parts of the country between the 20th and 23rd. These were particularly severe in many parts of the South Island and some central areas of the North Island. During this period record air minima for May were established at several stations, including Christchurch (-4.5°C), Milton (-7.0°C) and New Plymouth (-0.6°C). Other sites with near-record minimum temperatures were: Dunedin airport (-7.5°C), Tokirima (-5.7°C), Waikeria (-5.2°C) and Hokitika (-1.5°C).

Sunshine—Sunshine hours were close to normal over most of the country this month. Central New Zealand and eastern areas recorded about 25 hours more than usual for May, while other areas had down to 20 hours less.

Among those stations recording greatest departures from normal were: Gisborne (+26 hours), Kelburn (+26 hours), Nelson (+29 hours), Timaru (+21 hours), Invercargill (-20 hours) and Rotorua (-14 hours).

THE WEATHER SEQUENCE, MAY 1984

1-7 May

At the beginning of the month an anticyclone lay centred over south-eastern Australia and a strong south-westerly flow covered New Zealand. A front travelling within this flow brought showers to most areas as it crossed the country to lie to the east on the 2nd.

By the 3rd the anticyclone had moved eastward and was centred close to Lord Howe Island. Fine weather prevailed except in some isolated areas of Southland and South Otago. The anticyclone had moved to lie centred over Northland by the 5th and a front within the westerly flow to the south began to approach the South Island. Rain fell in the south and west on the 5th and there were light falls in other areas on the 6th and 7th as the front crossed the country and the anticyclone moved away to the east.

8-14 May

During the 7th a small depression began to develop off the east coast of Australia and by the 8th this lay in the mid-Tasman Sea. Its associated frontal system brought rain to western and central areas on the 8th and rain spread to most parts of New Zealand on the 9th. The depression became stationary to the west of the country and weakened slightly during the 10th and the rain cleared from most districts. A complex trough crossed the South Island and fronts within this brought rain to western areas on the 13th and 14th.

15-21 May

A ridge from an anticyclone centred over eastern Australia extended over Northland during the 15th. The weather was generally cool and clear until the 17th, although a few showers remained in some isolated areas of the South Island. On the 17th a trough began to approach the South Island and rain fell in western and southern areas. By the 18th the rain had become widespread in the south and west of both islands as the trough began to cross the South Island. Temperatures were very cool. Although showers remained in some eastern areas on the 20th the weather was generally fine but cool on the 20th and 21st as an anticyclone, centred south-west of New Zealand extended a ridge over the country.

22-31 May

Although the ridge still covered New Zealand on the 22nd a small depression began to develop to the east of the North Island and there were showers in Northland on the 22nd and in most parts of the North Island on the 23rd. The depression became part of an eastward moving trough and as this complex trough moved on to New Zealand rain became widespread. The trough became slow moving over the country and associated cold fronts brought rain to many areas, especially in the North Island, until the 28th. By the 28th the trough lay well to the east and a cool, south-west airflow, associated with an extensive anticyclone centred near Tasmania, covered the country. The weather was generally fine and cool until the 30th, although fronts travelling within the flow brought showers to many districts at times during the last 3 days of the month.

PROPOSED DISCONTINUATION OF THE WEATHER SEQUENCE

Daily weather information, including maps, is now available through various media. The Meteorological Service is therefore proposing to discontinue publishing the Weather Sequence as above, though the Climatological Table and written summary will continue in the Supplement to the *New Zealand Gazette*.

People having a special need for the Weather Sequence as currently published are invited to write to—

The Director,
New Zealand Meteorological Service,
P.O. Box 722,
Wellington,
by 30 September 1984.

J. S. HICKMAN, Director.

