



LAW & ORDER

16 APR 1984

## SUPPLEMENT

TO THE

# NEW ZEALAND GAZETTE

OF

THURSDAY, 5 APRIL 1984

*Published by Authority*

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WELLINGTON: MONDAY, 9 APRIL 1984

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# CLIMATOLOGICAL TABLE

## FOR FEBRUARY 1984

NEW ZEALAND METEOROLOGICAL SERVICE

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

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	mm	mm	mm			Hrs
Cape Reinga	191	22.2	15.5	18.9	-0.4	24.7	25	12.5	12	43	14	-36	15	2	..
Kaitaia Airport	80	23.4	14.9	19.2	-0.9	25.7	16	10.5	21	131	14	+20	42	18	202
Aupouri Forest	69	22.9	15.2	19.1	-1.1	25.5	26	12.0	21	55	8	-27	21	10	..
Kaitaia	8	24.5	14.4	19.5	..	27.0	18	9.6	6	126	9	..	41	18	..
Kerikeri M A F	79	23.5	14.4	19.0	..	27.0	17	10.0	21	56	17	..	15	10	..
Kerikeri Downs	79	23.4	14.5	19.0	..	26.0	16	11.2	21	51	15	..	14	10	..
Kerikeri Aerodrome	150	23.1	13.4	18.3	..	27.0	15	9.6	21	42	12	..	15	10	..
Umawera	9	24.3	11.8	18.1	-1.4	27.8	19	7.0	21	63	10	-67	13	10	..
Kaikohe	204	22.2	13.6	17.9	-1.3	26.6	15	10.3	22	55	12	-88	25	10	166
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	23.0	13.3	18.2	-0.4	26.1	26	7.8	23	65	13	-46	16	10	..
Dargaville	20	23.6	14.0	18.8	-0.4	26.5	17	7.0	23	95	12	+4	31	10	169
Waitangi Forest	55	23.6	14.9	19.3	-0.7	26.1	20	10.1	22	58	11	-59	14	5	186
Glenbervie Forest	107	22.6	12.8	17.7	-0.4	25.4	16	4.2	22	54	9	-115	17	11	..
Whangarei Airport	37	23.1	15.0	19.1	-1.0	25.3	5	10.1	22	42	10	-88	19	10	..
Whangarei	29	23.5	14.6	19.1	-0.7	26.0	16	8.7	22	29	8	..	9	25	180*
Marsden Power Stn	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Poua	97	22.5	15.7	19.1	..	25.6	17	12.1	21	95	14	..	43	10	..
Leigh	27	21.7	17.0	19.4	-0.2	26.5	15	13.2	20	31	11	-63	21	10	204
Warkworth	72	22.6	14.3	18.5	-0.2	25.5	15	8.6	20	88	14	-22	39	10	..
Oyster Point	0	23.3	13.8	18.6	-0.4	26.0	17	7.3	20	63	11	-54	23	10	..
Woodhill Forest	30	22.8	13.7	18.3	-0.6	26.1	17	7.9	23	94	11	+3	39	10	..
Riverhead Forest	28	23.2	13.1	18.2	-0.4	26.2	16	7.5	23	94	8	-9	44	10	..
Kumeu	32	23.4	12.9	18.2	-0.4	25.8	16	6.3	23	88	12	..	52	10	..
Whenuapai	26	23.6	14.3	19.0	-0.1	26.6	16	7.1	23	50	10	-54	29	10	..
Albert Park Auckland	49	23.7	16.3	20.0	-0.4	26.1	16	12.7	20	84	12	-12	53	10	220*
Owairaka, Auckland	41	23.1	15.2	19.2	-0.4	25.6	1	11.9	20	65	9	-36	36	10	..
Port Fitzroy	4	23.2	15.7	19.5	-0.1	25.4	18	10.2	23	94	12	-37	71	10	..
Little Barrier Is	2	22.8	15.4	19.1	..	24.8	15	12.4	22	45	9	-59	26	10	..
Rotorua Is	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manukau Heads	244	22.1	14.6	18.4	..	25.7	17	10.6	21	100	9	+35	53	10	..
Coromandel	43	23.7	15.7	19.7	..	26.5	17	10.2	23	131	15	..	70	10	..
Whangapoua Forest	4	23.7	14.7	19.2	+0.3	27.3	15	8.4	21	117	12	-8	62	10	..
Thames	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tairua Forest	3	22.8	15.0	18.9	-0.3	27.7	15	7.3	21	88	13	-35	37	10	..
Ngatea	15	24.8	12.7	18.8	..	27.5	16	6.0	24	84	11	..	37	10	..
Paeroa	4	24.5	14.1	19.3	-0.1	26.8	2	8.6	20	113	14	+24	55	10	..
Waihi	91	23.0	14.1	18.6	-0.3	26.1	2	7.8	23	185	16	+47	48	10	173
Te Aroha	18	24.5	14.3	19.4	-0.6	27.5	26	7.8	21	108	14	+1	49	10	..
Katikati	2	23.9	14.5	19.2	..	28.0	15	7.4	21	102	14	..	44	10	..
Waharoa	60	23.9	12.9	18.4	..	26.5	15	5.0	21	85	13	..	41	10	..
Tauranga	2	22.8	15.6	19.2	-0.3	28.0	15	9.0	21	69	13	-25	26	10	..
Tauranga Airport	4	22.9	14.5	18.7	-0.6	28.2	15	8.0	21	56	14	-34	24	10	201
Te Puke	91	22.5	13.2	17.9	-1.0	29.1	15	6.7	20	73	13	-85	27	10	190
Rotoehu Forest	72	22.7	12.3	17.5	-0.7	29.6	15	3.3	21	107	15	-18	20	10	..
Whakatane Airport	6	23.3	12.9	18.1	-0.7	31.2	15	5.6	20	62	11	-32	39	11	225
Te Kaha	6	22.9	14.6	18.8	..	25.0	15	8.2	20	66	7	..	34	11	..
Port Ohope	9	23.1	14.8	19.0	-0.5	27.2	15	8.6	20	62	9	..	31	11	219
Kinleith	383	22.0	11.7	16.9	-0.5	26.3	15	6.6	20	147	13	+37	42	17	..
Tikitere	338	21.0	12.7	16.9	-0.8	26.5	15	6.6	22	128	13	..	62	10	..
Kawerau	30	24.4	14.0	19.2	-0.5	31.6	15	7.0	22	95	13	-47	35	10	..
Te Teko	8	26.0	13.1	19.6	+0.2	32.3	15	4.4	21	73	13	-56	24	10	213
Rotorua Airport	287	21.7	12.4	17.1	-0.7	28.5	15	5.6	22	124	13	+8	40	10	204
Waiotapu Forest	435	20.9	10.2	15.6	-1.2	27.4	15	4.3	20	146	14	+38	58	10	..
Atiamuri Power Stn	253	23.2	10.9	17.1	-0.9	27.3	15	4.9	20	114	11	+3	34	17	..
Kaingaroa Forest	544	20.4	9.9	15.2	-1.3	26.5	15	2.6	22	149	14	+27	37	11	..
Murupara	198	23.3	12.0	17.7	-0.7	30.4	15	5.9	22	103	12	-14	29	10	..
Wairapukao Forest	437	21.3	9.5	15.4	-1.1	27.8	15	2.1	8	178	12	+73	35	11	..
Taupo	376	22.6	10.4	16.5	-1.0	26.0	7	2.9	20	115	11	+27	31	10	200
Wairakei Power Stn	342	22.4	10.6	16.5	-1.1	27.0	15	2.5	20	132	10	+41	41	18	..
Wairakei Research Stn	402	23.6	9.4	16.5	-0.4	27.9	15	1.2	20	128	10	+42	44	18	..
Minginui Forest	366	21.8	9.8	15.8	-1.2	29.1	15	0.5	20	181	12	+62	71	17	..
Taupo Airport	407	21.4	10.1	15.8	-1.5	24.2	15	1.4	20	90	9	-7	31	10	..
Waimihia Forest	743	18.5	8.7	13.6	-1.1	23.5	15	1.5	20	161	12	+35	36	17	..
Opotiki	6	22.6	13.7	18.2	-0.7	26.2	2	5.9	20	75	6	-27	26	11	..
Waimana	37	23.4	12.5	18.0	-0.8	30.0	15	5.0	20	125	11	-9	61	11	..
Mangere Auckland	4	23.2	14.6	18.9	-0.8	26.2	27	10.0	23	92	9	-3	52	10	204
Otara Auckland	12	23.4	14.2	18.8	-0.4	26.8	26	8.3	20	110	11	+16	39	18	..
Auckland Airport	8	23.3	15.2	19.3	-0.5	26.2	27	11.8	22	97	9	+7	32	2	220
Ardmore	30	23.9	13.4	18.7	-0.2	27.2	26	7.3	20	78	9	-23	24	10	..
Pukekohe	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maio Forest	52	23.3	13.8	18.6	-0.4	27.8	26	8.8	20	130	8	+40	55	10	..
Hunua	122	23.3	12.2	17.8	..	26.4	26	6.6	23	62	11	..	28	10	..
Maramarua Forest	38	23.8	12.2	18.0	-0.6	26.9	26	6.5	23	82	9	-14	27	18	..
Te Kauwhata	32	23.7	13.0	18.4	-1.0	27.1	18	8.0	23	113	16	+29	32	10	200

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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	mm	mm	mm	Hrs				
Huntly	34	..	..	..	..	..	..	..	..	..	..	..	..	..	
Taupiri	23	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ruakura Hamilton	40	23.7	12.5	18.1	-0.4	26.7	1	6.7	23	65	8	-18	27	10	210
Whatawhata	104	23.3	12.0	17.7	-0.8	26.6	26	5.5	20	118	10	+18	45	10	199
Rukuhia	66	23.8	12.8	18.3	-0.7	26.5	2	7.7	21	85	11	+2	26	10	207
Hamilton Airport	50	24.3	11.7	18.0	-0.4	27.1	1	4.5	21	98	9	+9	29	10	..
Cambridge	76	23.8	12.5	18.2	-0.5	26.8	1	6.5	20	126	10	+47	62	10	..
Port Taharoa	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohakato Stn Mokau	46	21.9	14.2	18.1	-0.4	25.1	27	8.8	20	98	7	-4	35	11	..
Arapuni Power Stn	123	24.3	12.2	18.3	-0.7	27.5	1	6.5	20	201	12	+99	65	10	..
Waikeria	46	24.3	12.2	18.3	-0.1	27.1	2	4.8	21	105	7	..	50	10	..
Te Kuiti	61	24.1	12.5	18.3	-0.3	27.3	27	5.8	21	146	11	+58	57	11	189
Wairere	122	23.3	11.7	17.5	..	27.0	27	4.0	21	141	9	+38	52	11	..
Pureora Forest	549	20.5	10.0	15.3	-0.5	23.5	16	1.4	21	122	10	+11	41	10	..
Mangakahu Valley	397	21.8	10.9	16.4	..	25.1	27	5.0	20	126	11	..	36	11	..
Taumarunui	171	24.7	11.7	18.2	-0.5	28.6	27	3.3	21	108	10	+17	35	11	197
Tokirima	152	24.3	10.2	17.3	..	28.6	27	2.5	20	99	7	..	32	10	..
Omata	61	21.6	14.1	17.9	-0.5	24.2	27	9.0	20	114	10	+10	61	10	..
New Plymouth	55	22.4	13.7	18.1	+0.1	25.2	27	9.4	25	98	7	+6	49	10	..
New Plymouth Airport	27	21.6	13.4	17.5	-0.3	24.2	27	8.5	22	103	7	+1	51	11	241
North Egmont	955	17.0	8.5	12.8	..	21.6	15	4.4	21	196	15	..	76	11	..
Te Wera Forest	180	22.4	10.4	16.4	-0.2	27.0	27	4.2	23	114	8	-6	62	10	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	21.9	11.2	16.6	-0.9	27.1	15	5.5	22	161	11	+43	37	11	207
Chateau, Mt Ruapehu	1097	..	6.0	..	..	..	..	0.4	20	182	..	..	..	..	..
Hukanui	235	20.2	10.1	15.2	..	25.0	26	3.0	20	91	9	-9	39	11	..
Mt Bruce Res	305	21.5	9.1	15.3	-0.5	27.8	28	2.5	22	100	9	-4	39	10	..
Waingawa Masterton	114	22.8	10.6	16.7	-0.8	29.0	26	4.2	22	58	12	+7	17	3	181
Kopua	311	20.5	10.9	15.7	-1.0	26.0	26	4.6	22	78	12	+13	33	11	..
Waipukurau	137	22.1	10.9	16.5	-1.3	27.1	26	5.5	22	78	10	+20	38	11	170*
Dannevirke	207	21.8	11.1	16.5	-0.8	27.1	26	3.6	22	73	13	+13	32	3	169
Porangahau	8	21.5	12.5	17.0	..	25.9	14	8.5	22	79	7	..	34	3	..
Castlepoint	3	19.8	14.3	17.1	-1.2	24.6	25	10.6	22	80	9	+31	34	3	..
Ngaumu Forest	244	21.7	9.4	15.6	-0.6	28.0	28	2.4	22	61	9	+9	28	11	..
Tauherenikau, Alloa	43	22.7	11.1	16.9	-0.6	28.2	1	5.7	22	58	10	+1	25	4	..
Waiorongomai	21	20.9	11.5	16.2	-0.7	26.0	1	5.4	22	54	8	-29	24	11	..
Cape Palliser	10	20.5	13.3	16.9	-1.2	26.5	28	8.0	22	39	10	-21	13	11	..
East Cape	17	21.4	15.4	18.4	-0.9	24.6	14	10.6	23	52	11	-39	20	11	..
Ruatoria	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mangatu Forest	182	23.1	11.8	17.5	-0.8	29.2	14	6.3	24	108	15	+20	42	11	..
Manutuke Gisborne	9	22.4	12.4	17.4	-1.2	28.1	26	8.0	24	80	14	+10	34	11	..
Gisborne Airport	4	22.7	12.7	17.7	-1.2	28.0	26	7.4	24	74	16	+3	29	11	172
Onepoto, Waikaremoana	643	19.8	10.2	15.0	-1.3	27.0	26	5.4	20	152	14	-16	28	11	..
Wharerata Forest	459	18.0	11.8	14.9	..	26.1	15	7.9	21	139	16	..	39	11	..
Esk Forest	427	20.0	11.2	15.6	-1.2	26.6	14	4.3	20	169	14	+45	48	18	..
Kaweka Forest	414	20.2	11.3	15.8	-1.5	26.7	14	5.2	20	139	13	+35	27	5	..
Napier Airport	2	21.1	12.4	16.8	-1.8	25.3	4	7.7	24	85	11	+22	29	11	..
Napier	2	22.5	13.3	17.9	-1.3	26.9	15	8.0	22	85	12	+23	35	11	187
Hastings	16	22.2	12.2	17.2	..	27.9	15	7.4	22	89	12	..	38	11	..
Whakatu	6	21.2	12.2	16.7	..	26.0	15	7.7	22	96	12	..	52	11	..
Gwavas Forest	335	20.4	9.7	15.1	-1.1	27.0	15	3.3	22	127	16	+38	41	11	..
Makaretu	335	21.6	10.2	15.9	-1.1	27.8	26	2.9	22	73	16	-1	30	11	..
Mohaka Forest	286	20.8	11.2	16.0	-1.3	28.1	15	6.9	22	177	14	+30	74	18	..
Frasertown, Wairoa	8	22.2	12.7	17.5	-1.5	28.3	15	9.5	9	200	17	+74	82	18	..
Wairoa	20	21.8	12.5	17.2	-1.6	28.8	15	5.5	13	151	13	+56	45	18	170
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	20.8	11.6	16.2	-1.1	23.6	1	6.4	22	52	11	-8	17	11	232
Flockhouse Bulls	9	21.6	11.1	16.4	-1.0	26.0	27	3.6	20	61	9	+6	19	11	..
Ohakea	48	22.1	12.3	17.2	-0.8	27.1	1	5.9	20	71	8	+15	25	11	222
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston N	15	22.3	10.8	16.6	-0.9	28.0	1	1.4	20	55	9	+2	19	11	205
Palmerston N Airport	45	22.3	12.0	17.2	-0.4	27.1	1	2.5	20	54	9	-1	17	3	..
Palmerston N D S I R	34	21.9	12.2	17.1	-1.0	27.0	1	4.0	20	91	11	+33	32	12	189
Tiritea	100	21.4	12.0	16.7	..	26.1	1	5.0	20	84	10	..	29	12	..
Waitare Forest	3	21.0	10.4	15.7	-1.6	23.8	2	2.2	20	66	8	+9	28	11	..
Levin	46	21.2	11.7	16.5	-1.0	24.7	1	5.4	20	71	9	+2	23	11	210
Titahi Bay	31	21.4	12.9	17.2	..	27.4	27	6.1	22	49	9	..	19	11	..
Avalon, Lower Hutt	15	21.3	12.2	16.8	-0.6	25.2	2	6.0	20	64	8	-6	23	4	..
Kelburn, Wellington	125	19.6	13.1	16.4	-0.5	23.9	2	9.1	22	68	9	-6	27	4	234
Somes Is	43	19.6	13.6	16.6	-0.6	24.0	1	9.0	8	71	8	-10	23	4	..
Gracefield Lower Hutt	34	20.3	13.2	16.8	-0.6	24.9	1	7.7	20	67	7	-6	34	4	..
Wainuiomata	82	20.4	11.1	15.8	-0.7	24.5	1	5.0	8	81	10	-15	29	4	..
Wellington Airport	6	20.5	14.3	17.4	-0.1	25.8	2	7.9	8	55	8	-4	23	4	..
Rimutaka Forest	37	20.3	11.0	15.7	..	25.3	1	4.0	8	60	7	..	18	4	..
Kaitoke	223	20.2	9.6	14.9	-0.7	25.7	1	0.8	22	76	10	-40	26	4	198

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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	mm	mm	mm	mm	Hrs			
Wallaceville	56	21.2	10.4	15.8	-0.9	25.2	1	2.5	20	68	9	-2	27	11	218
Cape Egmont	8	21.4	12.9	17.2	-0.6	23.4	27	7.5	22	113	9	+20	78	10	..
Stratford Mtn House	846	17.2	8.0	12.6	-0.7	23.0	15	3.5	22	170	7	-212	73	10	..
Stratford Dem Farm	311	21.2	10.4	15.8	-0.3	24.8	26	5.5	22	99	8	-37	45	11	211
Kapuni	173	20.7	10.4	15.6	..	24.7	28	6.0	7	91	..	..	..	..	..
Manaia Dem Farm	98	20.3	11.4	15.9	-0.9	24.0	29	4.9	22	85	8	+5	40	11	222
Normanby	122	20.7	10.9	15.8	-0.8	24.3	28	5.1	7	84	10	..	39	11	..
Patea	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruatiti	354	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ohakune Junction	629	20.3	9.0	14.7	-0.7	25.0	27	3.6	20	140	12	+60	42	3	..
Karioi	648	20.4	8.3	14.4	-1.1	26.0	27	1.0	20	71	10	-1	17	11	..
Waiouru	823	19.1	7.9	13.5	-0.5	24.2	27	-0.5	20	86	9	+26	20	18	..
Waiouru Military Camp	823	18.4	8.1	13.3	-0.5	23.9	27	-0.6	20	90	9	+24	21	11	..
Ahu Ahu Valley	85	23.4	10.8	17.1	..	28.2	26	3.8	20	85	11	..	27	10	..
Taihape	433	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kahui, Taihape	518	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wanganui	22	21.8	12.8	17.3	-1.0	27.2	10	6.5	20	61	8	+2	19	10	200
Wanganui Airport	9	21.7	12.1	16.9	..	26.1	11	4.3	20	58	5	+5	20	10	..
Farewell Spit	3	21.9	12.4	17.2	-0.3	25.9	15	7.5	22	44	6	-30	33	11	..
Totaranui	10	21.8	12.3	17.1	..	25.5	15	8.8	8	49	6	-136	20	11	..
Westport Airport	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cobb Dam	823	18.0	7.7	12.9	-1.0	24.0	26	2.5	8	80	8	-30	32	11	..
Arapito	20	21.3	12.3	16.8	..	24.5	27	9.3	8	43	7	..	13	3	169
Lake Rotoroa	443	21.8	9.0	15.4	..	27.3	27	4.5	8	59	9	..	20	3	..
Lake Rotoiti	634	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hokitika Airport	39	20.7	12.0	16.4	+0.6	24.2	11	7.8	19	210	13	+0	143	10	188
Punakaiki	4	21.7	14.3	18.0	..	24.2	25	11.9	7	111	11	..	47	10	..
Reefton	198	22.8	11.6	17.2	+0.5	27.6	27	7.0	7	50	7	-68	17	10	..
Barrytown	30	20.9	13.9	17.4	..	23.7	29	12.2	5	102	9	-109	46	10	..
Totara Flat	77	23.4	10.6	17.0	+0.6	27.4	28	5.5	20	49	5	-75	21	10	..
Greymouth	4	20.5	12.8	16.7	+0.5	23.5	11	10.5	16	135	8	-35	65	10	190
Otira Substation	383	21.0	10.3	15.7	+0.6	25.5	26	5.9	7	211	10	-118	120	10	..
Springs Junction	421	22.6	8.6	15.6	+0.2	27.1	26	3.0	20	44	..	-90	..	..	..
Pukekura	86	20.7	10.6	15.7	..	25.1	12	7.1	28	243	12	..	81	10	..
Hari Hari	45	21.1	11.5	16.3	+0.4	27.0	12	6.8	19	237	12	-58	63	10	..
Okarito	10	20.7	12.6	16.7	..	23.1	28	9.6	3	297	8	..	74	14	..
Franz Josef	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fox Glacier	152	20.2	11.4	15.8	+0.9	26.1	12	9.1	24	315	13	-45	152	29	..
Milford Sound	3	20.1	10.4	15.3	+0.4	22.7	11	7.3	19	444	12	-69	125	29	..
Puysegur Point	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stephens Is	187	18.5	13.1	15.8	-0.2	22.0	2	6.2	7	51	9	+2	24	11	..
Riwaka Motueka	8	21.9	11.3	16.6	-0.7	27.1	14	6.8	8	58	8	-23	25	11	223
Tapawera	146	23.4	8.9	16.2	..	28.9	14	3.8	8	53	5	..	28	11	..
Craik Bay Pelorus Sd	13	20.6	13.1	16.9	..	24.5	27	10.0	22	58	6	..	27	11	..
Appleby	17	21.4	12.1	16.8	-0.9	24.9	14	8.6	9	55	6	-3	29	11	..
Nelson Airport	2	21.2	11.9	16.6	-0.8	24.2	14	7.0	8	50	7	-18	21	11	239
Rai Valley	79	22.4	9.5	16.0	-0.7	29.0	14	4.1	22	64	6	-73	28	10	..
Moutere Hills	110	21.6	13.1	17.4	-0.6	27.4	14	9.7	8	68	7	+0	36	11	..
Blenheim Airport	27	22.0	11.3	16.7	-0.9	30.6	26	5.7	20	70	7	+28	25	11	..
Brancott Valley	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blenheim	4	22.2	11.3	16.8	-1.1	28.4	28	5.9	20	55	6	+17	20	11	213
Wither Hills Blenheim	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waihopai Power Stn	262	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vernon Lagoons	2	21.5	10.5	16.0	-0.8	27.6	28	3.1	20	77	6	+46	25	11	206
Lake Grassmere	2	20.1	14.7	17.4	+0.0	24.5	24	10.4	22	65	7	+36	26	11	197
Cape Campbell	3	18.8	13.7	16.3	-0.3	22.0	29	10.5	19	78	8	+44	33	11	..
Boyle River Lodge	600	20.8	7.5	14.2	..	28.3	27	0.5	20	128	..	..	50	11	..
Hanmer Forest	387	21.5	8.5	15.0	-0.8	28.4	28	1.5	20	187	8	+115	93	11	175
Molesworth	893	20.0	5.9	13.0	-1.1	26.6	14	2.1	22	92	8	+48	27	3	..
Kaikoura Flats	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaikoura	108	18.8	12.4	15.6	-0.7	26.5	29	8.6	20	98	9	+45	32	11	200
Arthurs Pass	738	17.8	7.9	12.9	..	23.0	26	2.0	20	168	10	-102	93	10	..
Culverden	174	22.2	9.4	15.8	..	29.5	28	2.8	20	92	6	..	48	11	..
Balmoral Forest	198	22.3	9.9	16.1	-0.5	30.0	13	0.5	8	109	7	+68	66	11	..
Waiau	137	23.3	9.4	16.4	-0.4	31.9	28	2.6	20	90	6	+33	49	11	..
Cheviot	85	21.1	9.3	15.2	..	30.0	14	1.5	20	119	5	..	51	11	203
The Hermitage Mt Cook	765	20.2	9.0	14.6	+0.1	25.8	27	5.5	20	181	11	-122	65	29	165
Mt John	1027	18.8	7.9	13.4	-0.3	25.6	28	3.4	7	28	8	-8	8	9	..
Craigieburn Forest	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Coleridge	364	20.4	9.8	15.1	-0.6	29.4	13	3.8	20	88	10	+40	51	10	..
Highbank Power Stn	336	18.7	9.7	14.2	-1.3	27.5	13	4.5	20	113	10	+40	35	10	167
Hororata Substation	192	21.0	9.1	15.1	-1.2	30.2	28	2.3	20	84	12	+27	24	11	169
Winchmore	160	20.2	10.1	15.2	-0.7	29.0	28	2.8	20	78	11	+23	29	11	..
Peel Forest	274	20.1	8.8	14.5	-0.4	28.4	13	2.5	20	117	19	+42	32	11	..
Ashburton	101	21.7	10.7	16.2	-0.7	30.8	24	3.3	20	69	10	+15	26	11	167

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for February 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	Hrs				
Waipara	64	21.8	10.8	16.3	-0.9	30.3	28	3.5	20	150	7	+104	107	11	..
Ashley Forest	107	19.6	10.4	15.0	-1.2	27.2	1	4.9	20	104	6	+46	55	11	188
Rangiora	46	21.0	10.3	15.7	-0.5	29.0	1	3.6	20	83	8	+36	41	11	..
Darfield	195	21.4	10.0	15.7	-1.0	29.8	28	3.0	20	89	7	+32	40	11	..
Eyrewell Forest	158	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Christchurch Airport	30	20.6	11.6	16.1	-0.6	29.2	29	3.1	20	60	7	+20	22	11	199
Templeton	46	19.7	11.2	15.5	-0.8	28.9	14	3.0	20	75	6	..	35	11	..
Christchurch	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bromley Christchurch	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Pleasant	137	20.0	13.0	16.5	-0.2	28.4	24	8.5	20	32	6	-11	18	11	..
Lincoln	11	20.3	11.1	15.7	-0.9	28.5	29	1.5	20	55	6	+7	20	11	193
Quail Island	75	19.5	12.7	16.1	..	27.5	25	7.5	20	32	7	..	14	11	..
Akaroa	3	21.2	10.3	15.8	-0.8	29.0	24	4.4	20	65	5	..	39	11	..
Lake Tekapo	683	20.1	8.7	14.4	-1.0	27.2	28	3.2	21	34	8	+1	13	9	..
Lake Pukaki	556	20.9	9.7	15.3	-0.8	26.9	28	5.4	20	34	10	-7	8	10	..
Fairlie	304	20.8	8.3	14.6	..	29.2	1	2.8	20	47	8	..	17	11	..
Twizel	457	22.5	7.7	15.1	-0.7	28.7	29	1.3	20	29	10	-21	5	3	..
Ikawai	70	20.2	9.0	14.6	-0.4	27.5	1	2.0	20	11	6	-24	3	13	..
Geraldine	119	21.0	10.1	15.6	-0.2	29.4	13	4.1	20	51	10	-10	13	10	..
Orari Estate	81	20.5	9.8	15.2	-0.5	30.2	1	3.0	20	48	12	-9	15	10	..
Temuka	24	20.1	10.1	15.1	-0.4	30.5	1	3.8	8	38	10	-13	10	10	..
Timaru Airport	26	20.0	9.9	15.0	-0.3	30.3	1	3.6	8	29	9	-17	9	10	..
Adair	85	19.4	10.5	15.0	-0.5	29.4	24	5.9	20	22	11	-26	4	10	..
Timaru	17	19.7	11.3	15.5	-0.7	30.3	29	5.8	20	19	7	-28	8	10	154
Waimate	61	20.4	10.7	15.6	-0.4	28.0	29	5.0	20	17	8	-32	5	10	..
Aviemore	241	22.6	10.0	16.3	..	29.8	13	3.1	19	8	6	-24	5	18	..
Kurow	207	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru Airport	30	19.2	10.2	14.7	-0.2	26.8	29	3.6	20	17	9	-16	3	18	166
Knobs Flat	360	20.6	8.8	14.7	..	24.9	27	3.4	21	163	7	+14	43	29	..
Tara Hills Omarama	488	22.3	8.5	15.4	-0.3	29.0	13	1.7	19	49	8	+10	27	29	205
Lake Hawea	350	21.2	10.5	15.9	-0.9	25.7	26	6.5	19	61	6	+14	27	29	..
Wanaka	296	23.1	9.9	16.5	-0.2	28.7	13	4.4	20	65	6	+22	28	29	..
Queensberry	277	23.1	11.1	17.1	..	29.1	13	4.3	19	40	7	..	22	29	..
Bendigo	200	24.2	10.2	17.7	..	30.2	13	2.6	19	27	6	..	17	29	..
Naseby	607	19.9	6.9	13.4	..	28.0	13	-0.2	19	28	10	..	10	18	..
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ranfurly	427	22.0	7.5	14.8	+0.3	29.1	13	-0.3	19	19	14	-19	5	10	177
Herbert Forest	61	19.7	8.9	14.3	-0.2	25.4	29	3.5	21	20	9	-19	7	16	..
Palmerston	21	20.1	9.1	14.6	+0.5	29.6	24	2.4	20	20	8	-25	6	14	164
Cherry Farm Hospital	6	18.9	9.8	14.4	+0.0	29.0	24	4.1	19	29	12	-15	9	10	..
Taiaroa Head	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invermay, Taieri	30	20.1	9.6	14.9	+0.5	28.4	1	4.6	7	44	13	-12	15	10	162
Berwick Forest	18	20.5	8.9	14.7	+0.1	28.6	1	4.0	21	69	11	+19	16	14	..
Dunedin Airport	1	20.6	9.0	14.8	+0.3	28.7	1	2.5	19	52	12	+8	12	9	152
Musselburgh Dunedin	2	18.4	12.0	15.2	+0.1	26.7	24	6.0	19	22	10	-32	10	10	160
Te Anau	215	20.5	9.3	14.9	+0.6	26.0	27	1.2	19	102	9	+30	37	29	166
West Arm, Manapouri	232	18.9	10.0	14.5	+0.5	24.0	27	6.0	19	303	11	+35	77	13	..
Borland Burn	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	22.8	10.6	16.7	+0.5	27.8	13	5.6	19	65	7	+15	23	29	198
Queenstown Airport	349	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Otama	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell Sub Stn	213	23.7	10.6	17.2	..	29.7	13	4.0	19	33	6	+8	14	10	..
Cromwell	213	24.0	10.5	17.3	-0.1	30.0	13	4.6	19	40	9	+11	14	10	217
Northburn	210	23.8	10.7	17.3	..	29.7	13	3.9	19	34	8	..	14	29	..
Lauder	370	22.9	8.2	15.6	..	29.2	13	1.0	19	29	9	..	13	29	..
Clyde Dam	160	23.3	10.2	16.8	..	30.7	13	4.0	19	41	9	..	17	10	..
Ophir	305	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Moa Creek	427	22.5	8.4	15.5	+1.1	28.2	13	2.1	19	40	8	+6	14	9	..
Clyde	171	23.3	10.1	16.7	..	30.1	13	2.1	19	39	9	..	15	10	..
Alexandra	141	24.7	10.0	17.4	..	32.0	13	2.6	19	27	6	..	11	29	206
Roxburgh Power Stn	110	23.0	8.8	15.9	-0.3	31.6	13	2.0	19	35	8	+1	11	29	..
Ettrick	83	23.4	9.1	16.3	..	32.5	13	1.0	19	53	9	..	13	10	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	21.4	8.8	15.1	..	29.0	13	3.1	19	86	11	+25	35	9	..
Mahinerangi Dam	396	18.2	8.3	13.3	+0.3	26.0	13	1.0	19	55	11	-7	15	10	..
Tapanui	226	20.2	8.2	14.2	-0.3	27.2	28	1.4	19	66	10	+4	21	9	..
Taieri Mouth	15	18.2	9.6	13.9	+0.1	27.8	24	4.4	21	66	10	+14	19	10	..
Tuatapere	27	20.1	9.3	14.7	..	27.3	13	3.0	6	112	16	..	25	9	..
Otautau	55	19.6	8.0	13.8	-0.1	26.2	13	1.4	19	92	13	+22	16	2	161
Winton	44	20.2	8.3	14.3	-0.1	27.1	13	1.6	19	58	12	-5	14	10	166
Gore	123	19.8	8.8	14.3	+0.1	27.0	13	2.0	19	69	13	+10	12	10	161
Hokonui Forest	46	20.8	8.2	14.5	+0.0	27.5	28	0.5	19	77	13	+3	18	9	..
Woodlands	47	19.9	8.0	14.0	+0.2	26.6	28	1.1	19	76	19	+14	14	9	..
Invercargill Airport	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tiwai Point, Bluff	5	18.8	10.2	14.5	+0.1	26.8	28	4.5	19	72	13	-4	15	14	..
Stewart Is	3	17.1	9.6	13.4	+0.4	23.2	24	3.3	19	70	21	-30	18	14	..
Milton	18	20.6	9.0	14.8	+0.2	28.4	1	1.7	19	85	10	+33	26	14	..
Clinton School	120	20.3	8.3	14.3	..	27.7	13	0.3	19	44	9	..	11	10	..
Finegand Balclutha	6	20.6	9.7	15.2	+0.7	27.0	1	3.5	19	46	13	+0	10	9	149

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for February 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	
Owaka	5	19.5	8.0	13.8	+0.3	27.6	13	1.0	19	64	15	+19	13	14	..
Nugget Point	129	17.7	10.5	14.1	+0.5	24.3	1	6.7	19	49	16	-10	11	10	..
Tautuku	61	18.4	9.3	13.9	+0.1	26.7	13	4.2	19	67	14	-14	23	10	..
Nandi Airport, Fiji	19	31.7	23.5	27.6	+0.4	33.1	21	21.4	26	237	20	-70	61	17	179
Rarotonga Airport	7	29.4	24.4	26.9	+0.8	31.4	23	22.5	12	326	21	+127	123	26	135
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	24.9	20.8	22.8	+0.3	26.6	11	17.8	2	200	19	+56	56	23	128
Campbell Is	15	13.1	7.8	10.4	+1.2	18.3	2	2.6	14	59	17	-48	21	28	79
Waitangi, Chatham Is	44	17.7	11.9	14.8	-0.1	21.2	14	6.4	24	37	14	-21	8	12	131
Scott Base Antarctica	16	-9.1	-15.8	-12.4	-1.7	+0.3	2	-29.4	29	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Marsden Power Stn 01/1984	3	23.0	13.0	18.0	-1.8	26.3	18	9.0	3	131	17	+51	60	5	..
Warkworth 01/1984	72	21.8	11.4	16.6	-1.8	24.7	3	6.5	15	79	16	-6	25	11	..
Manukau Heads 01/1984	244	..	..	..	..	..	..	..	..	108	13	+52	30	23	..
Thames 12/1983	3	..	..	..	..	..	..	..	..	127	..	+35	52	3	..
Ngatea 01/1984	15	23.6	9.5	16.6	..	26.8	2	3.5	15	120	15	..	33	19	..
Huntly 01/1984	34	22.6	12.2	17.4	..	25.3	11	9.0	18	122	11	..	35	11	..
Whatawhata 12/1983	104	20.0	11.2	15.6	-0.9	25.3	5	5.6	1	138	16	+8	34	3	192
Whatawhata 01/1984	104	21.8	10.6	16.2	-1.6	29.7	16	4.7	18	129	10	+35	39	11	234
Pureora Forest 01/1984	549	19.2	7.8	13.5	-1.9	24.4	3	1.2	18	100	11	-9	33	11	..
Omata 12/1983	61	18.8	11.7	15.3	-0.9	22.5	6	6.0	1	152	18	+42	26	16	..
Omata 01/1984	61	20.2	12.6	16.4	-1.3	25.2	30	6.8	17	149	11	+55	50	5	..
Hukanui 01/1984	235	19.2	9.3	14.3	..	23.4	31	1.3	15	62	..	-66	..	..	..
Dannevirke 01/1984	207	..	..	..	..	..	..	..	..	16	11	-59	5	5	227
Tauherenikau, Alloa 01/1984	43	21.2	9.2	15.2	-2.2	26.2	22	3.5	8	46	10	-35	15	16	..
Manutuke, Gisborne 01/1984	9	22.4	11.0	16.7	-1.8	28.5	10	5.3	18	61	11	-8	19	6	..
Napier Airport 01/1984	2	22.2	11.3	16.8	-1.7	29.5	26	5.9	17	52	11	-4	16	12	..
Kairanga, Palmerston N 01/1984	15	21.1	10.4	15.8	-1.3	26.5	31	3.9	15	25	10	-49	8	18	219
Palmerston N D S I R 01/1984	34	20.9	11.4	16.2	-1.5	26.1	31	6.4	17	35	12	-42	9	18	198
Kapuni 01/1984	173	19.9	8.8	14.4	..	24.4	30	4.0	18	84	10	..	33	5	..
Manaia Dem Farm 01/1984	98	..	..	..	..	..	..	..	..	..	..	..	..	..	261
Ahu Ahu Valley 01/1984	85	21.6	9.2	15.4	..	25.2	3	4.3	15	47	13	..	15	11	..
Wanganui 01/1984	22	20.5	11.9	16.2	-1.8	25.5	11	7.8	17	42	12	-28	13	11	..
Lake Rototoiti 01/1984	634	18.5	5.6	12.1	-2.3	26.2	3	-0.2	17	106	14	-21	31	11	..
Greymouth 12/1983	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greymouth 01/1984	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Springs Junction 01/1984	421	..	..	..	..	..	..	..	..	108	13	-43	20	11	..
Franz Josef 01/1984	155	17.9	9.0	13.5	..	23.2	31	4.6	17	501	20	..	194	10	125
Boyle River Lodge 01/1984	600	..	..	..	..	..	..	..	..	150	..	..	..	..	..
Mt John 01/1984	1027	17.3	6.3	11.8	-1.8	24.0	3	0.0	29	41	7	-12	16	27	..
Craigieburn Forest 01/1984	914	17.2	4.1	10.7	-2.6	25.2	31	-5.5	25	93	17	-28	21	27	..
Ashley Forest 01/1984	107	19.1	9.2	14.2	-1.9	26.8	27	4.5	14	63	9	-9	23	13	232
Eyrewell Forest 01/1984	158	20.8	8.4	14.6	-1.8	28.1	26	4.2	8	71	10	+2	38	13	..
Fairlie 01/1984	304	21.1	6.2	13.7	..	27.5	9	2.3	15	65	6	..	21	27	..
Knobs Flat 01/1984	360	18.1	6.5	12.3	..	25.6	3	1.4	17	388	16	+213	123	26	..
Windsor 12/1983	88	17.6	7.9	12.8	..	27.5	26	2.3	25	76	17	..	16	9	..
Windsor 01/1984	88	19.4	8.4	13.9	..	27.3	26	4.8	7	42	11	..	18	27	..
Oamaru 12/1983	5	16.9	8.8	12.9	..	24.3	26	4.9	25	87	14	..	19	9	..
Ranfury 12/1983	427	17.8	6.1	12.0	-1.6	25.5	8	0.0	25	56	11	+4	12	8	145
Ranfury 01/1984	427	19.8	6.6	13.2	-1.4	27.6	3	-1.5	17	37	12	-21	11	11	206
Invermay, Taieri 01/1984	30	19.1	8.0	13.6	-1.1	28.4	9	4.6	9	115	21	+42	23	27	167
Alexandra 12/1983	141	20.0	8.9	14.5	..	27.5	6	2.5	15	42	10	..	17	8	203
Alexandra 01/1984	141	22.2	8.9	15.6	..	30.5	3	2.4	17	66	10	..	23	27	211
Deep Stream 12/1983	396	15.5	6.1	10.8	..	25.0	26	0.1	21	68	18	..	10	7	..
Deep Stream 01/1984	396	17.2	5.5	11.4	..	26.9	4	0.2	17	98	17	..	25	27	..
Invercargill Airport 01/1984	0	16.3	9.0	12.7	-1.0	21.9	9	5.6	25	278	..	+182	134	26	134
Rarotonga Airport 01/1984	7	28.7	23.1	25.9	+0.1	29.7	5	20.0	22	188	22	-75	71	20	180
Totokoitu, Rarotonga 12/1983	9	28.0	22.7	25.4	+0.8	31.1	1	18.3	7	338	19	..	144	10	..
Campbell Is 11/1983	15	10.9	5.0	8.0	+0.8	14.1	10	-1.9	25	109	23	+2	33	18	99
Scott Base Antarctica 08/1983	16	-21.4	-36.4	-28.9	+1.9	-7.7	25	-53.2	13	..	..	..	..	..	..
Scott Base Antarctica 09/1983	16	-21.9	-34.5	-28.2	-0.1	-9.6	11	-48.0	30	..	..	..	..	..	..
Scott Base Antarctica 10/1983	16	-15.7	-27.1	-21.4	+1.3	-6.6	25	-44.0	2	..	..	..	..	..	..
Scott Base Antarctica 11/1983	16	-7.8	-15.5	-11.7	+0.2	-4.2	30	-20.0	1	..	..	..	..	..	..
Scott Base Antarctica 12/1983	16	-1.3	-8.8	-5.1	+0.4	6.0	15	-18.5	3	..	..	..	..	..	..
Scott Base Antarctica 01/1984	16	-1.1	-7.7	-4.4	+0.6	5.8	22	-12.1	13	..	..	..	..	..	..

The "normal" refers to the present site of the instruments. Standard period for normals is 1941-1970. 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 NEW ZEALAND WEATHER DURING FEBRUARY  
1984

*General*—February was a sunny but rather cool month, with considerable rainfall variability. Winds were lighter than normal, and there were more north-easterlies, and fewer south-easterlies than usual.

Farmers throughout the country reported good growing conditions in spite of the dry weather during the latter part of the month. Although rain during the first half of the month delayed harvesting, farmers in many parts of the South Island reported high yields.

*Rainfall*—The first half of February was wet in most places but during the second half of the month the weather was settled and dry.

The geographical distribution of the rain was somewhat uneven, with some areas recording very high rainfalls and other places having much less rain than usual. The central North Island, and some western parts of Northland, recorded more rain than normal, as did north-eastern parts of the South Island. Kaikoura and Christchurch recorded about 150 percent of their average rainfalls, giving them their highest February totals since the mid 1970s. Napier also had about 140 percent of its normal February rain. The remainder of the country however was dry, and parts of Northland, the Bay of Plenty, South Canterbury and Otago received less than 50 percent of their usual rain. Timaru recorded only 19 mm, its second-lowest February total since 1933 (the lowest since 1933 is 11 mm, in February 1983).

*Temperature*—Day-time temperatures were generally below average during February, although overall night-time temperatures were a little warmer than usual. Over most of the North Island, and in the east of the South Island, temperatures were between 0.5°C and 1°C cooler than usual while western South Island areas were about 1°C warmer than usual. In the south of the South Island temperatures were about average.

There were long cool periods during February. Maximum temperatures were 6°C to 8°C below average over much of the country between the 5th and 7th and from the 19th to the 21st.

The only days when temperatures were significantly above average were the 27th and 28th when many places, especially in the South Island, recorded maximum temperatures 6°C to 10°C warmer than usual.

*Sunshine*—Eastern areas of both islands were a little cloudier than usual during February, but over most of New Zealand the month's sunshine totals were high (allowing for leap year). Western areas were particularly sunny and Ruakura (Hamilton) recorded its sunniest February since 1973.

## THE WEATHER SEQUENCE—FEBRUARY 1984

## 1-7 February

A ridge of high pressure, extending on to New Zealand from an anticyclone near the Chatham Islands, gradually moved off to the east of the country during the 1st and 2nd. A cold front moved on to the South Island on the 1st, bringing heavy rain to some western areas. During the 2nd and 3rd the front moved across the remainder of New Zealand accompanied by widespread rain and bringing cool temperatures. As the front moved away to the east during the 4th a showery southerly airstream spread over the country. Meanwhile an anticyclone was intensifying in the south Tasman Sea and during the 5th and 6th this spread over New Zealand, and intensified further, bringing generally fine, although cool, weather. However a few showers persisted in the north and east of the North Island.

## 8-14 February

The anticyclone continued to give mainly fine weather during the 8th, but on the 9th moved off to the east, allowing a complex trough of low pressure to move on to New Zealand. This brought widespread rain to the west and south of the South Island during the 9th and to most of the country during the 10th and 11th. The trough developed into a large low which crossed the North Island during the 12th, bringing further rain to most areas. The weather cleared as the low moved away to the east, but a cold front advanced quickly eastwards across the Tasman Sea, bringing further rain to areas about and west of the South Island high country during the 14th.

## 15-21 February

The weather cleared as this front moved off to the east on the 15th, and a large anticyclone spread on to the country. The weather during the 16th and 17th was generally fine and cool, although a weak slow-moving front gave showers to some eastern and central North Island areas. Showers became more widespread during the 18th as the high moved off to the east, allowing a cold front to move quickly across the country. However, another anticyclone spread on to New Zealand behind this front bringing a return to fine weather on the 19th. Although the weather remained fine during the 20th and 21st, temperatures were very cool.

## 22-29 February

Temperatures rose between the 22nd and 25th and the weather remained generally fine and warm for the remainder of the month, although there were showers in the south-west of the South Island as a front crossed the area during the 24th, and fresh easterlies gave a few showers in the far north.

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J. S. HICKMAN, Director.

