



SUPPLEMENT
TO THE
NEW ZEALAND GAZETTE
OF
THURSDAY, 14 JUNE 1984

Published by Authority

WELLINGTON: TUESDAY, 19 JUNE 1984

CLIMATOLOGICAL TABLE
FOR APRIL 1984

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for April 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	mm	mm	Hrs		
Cape Reinga	191	20.2	13.6	16.9	+0.0	22.2	5	9.2	30	34	11	-63	15	28	..
Kaitaia Airport	80	20.5	11.9	16.2	-0.7	23.4	4	6.7	20	55	8	-55	24	26	210
Aupouri Forest	69	20.4	12.7	16.6	-0.9	22.8	17	8.5	30	37	7	-53	12	26	..
Kaitaia	8	21.6	10.8	16.2	..	24.2	4	5.1	20	48	5	..	19	28	..
Kerikeri M A F	79	20.8	11.1	16.0	..	23.6	1	7.1	30	79	12	..	44	3	..
Kerikeri Downs	79	20.4	11.5	16.0	..	23.5	1	7.0	30	76	12	..	42	3	..
Kerikeri Aerodrome	150	20.5	10.8	15.7	..	24.8	1	6.6	30	34	9	..	11	3	..
Umawera	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaikohe	204	19.1	11.1	15.1	-0.7	22.3	3	6.5	30	45	10	-88	19	3	179
Waiootemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	19.7	9.9	14.8	-0.7	23.1	4	4.8	23	49	8	-88	17	28	..
Dargaville	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waitangi Forest	55	21.0	11.4	16.2	-0.7	24.0	6	7.4	30	56	9	-61	20	3	186
Glenbervie Forest	107	19.9	8.4	14.2	-0.5	24.1	1	2.0	20	23	9	-143	7	26	..
Whangarei Airport	37	20.0	11.1	15.6	-0.9	24.1	1	6.6	30	28	10	-98	8	3	..
Whangarei	29	20.5	10.7	15.6	-0.7	24.4	1	5.9	23	31	11	..	6	26	190*
Marsden Power Stn	3	20.7	..	..	..	25.0	1	..	..	21	9	-122	10	3	..
Pouto	97	19.2	13.0	16.1	..	21.8	5	8.8	30	87	11	..	38	28	..
Leigh	27	19.8	13.8	16.8	-0.2	22.9	1	9.8	30	10	10	-99	3	3	209
Warkworth	72	19.8	9.9	14.9	-0.6	22.7	1	4.0	30	33	12	-120	7	3	..
Oyster Point	0	20.0	10.0	15.0	-0.7	22.7	17	4.8	23	65	9	-41	33	28	..
Woodhill Forest	30	19.8	10.1	15.0	-0.7	22.8	5	4.9	23	65	10	-53	34	28	..
Riverhead Forest	28	20.3	9.3	14.8	-0.5	23.8	5	5.2	12	70	9	-54	28	28	..
Kumeu	32	20.2	8.4	14.3	-0.8	23.2	1	3.0	20	62	9	..	34	28	..
Whenuapai	26	20.0	9.8	14.9	-0.6	22.8	1	5.7	23	53	12	-70	21	28	..
Albert Park Auckland	49	20.4	12.9	16.7	-0.2	23.8	5	8.3	30	37	10	-80	16	28	193*
Owairaka, Auckland	41	19.8	11.4	15.6	-0.4	23.0	1	7.2	30	48	10	-75	26	28	..
Port Fitzroy	4	20.5	11.7	16.1	-0.7	23.0	5	8.7	30	58	13	-110	13	28	..
Little Barrier Is	2	19.9	13.5	16.7	..	22.9	1	10.0	30	29	9	-109	8	16	..
Rotorua Is	30	19.2	14.0	16.6	..	21.6	1	10.0	30	12	6	..	5	2	..
Manukau Heads	244	18.2	12.5	15.4	..	21.8	5	7.4	30	66	14	-24	29	28	..
Coromandel	43	20.7	10.3	15.5	..	24.0	1	5.0	22	28	8	..	10	2	..
Whangapoua Forest	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thames	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tairua Forest	3	20.4	9.3	14.9	-0.5	25.1	1	4.7	10	25	7	-130	10	28	..
Ngatea	15	21.0	7.2	14.1	..	24.8	5	1.0	20	37	9	..	8	26	..
Paeroa	4	21.0	8.2	14.6	-0.4	25.2	1	2.8	20	40	10	-73	12	8	..
Waihi	91	19.7	8.8	14.3	-0.4	25.0	1	4.1	12	31	8	-150	8	8	185
Te Aroha	18	20.6	9.5	15.1	-0.4	24.4	1	2.4	20	49	8	-85	16	26	..
Katikati	2	21.5	9.4	15.5	..	25.5	1	4.3	30	17	6	..	6	28	..
Waharoa	60	20.0	7.4	13.7	..	23.4	5	0.8	20	25	8	..	6	27	..
Tauranga	2	20.3	11.4	15.9	+0.1	23.5	2	5.6	30	15	5	-93	5	8	..
Tauranga Airport	4	20.2	10.0	15.1	-0.2	23.0	1	4.1	30	18	8	-89	5	28	221
Te Puke	91	20.0	8.6	14.3	-0.6	23.2	1	3.2	30	19	8	-126	6	8	197
Rotoehu Forest	72	20.0	6.4	13.2	-0.8	23.4	2	1.3	10	19	5	-109	9	28	..
Whakatane Airport	6	20.5	7.8	14.2	-0.2	24.1	17	1.6	10	34	6	-53	22	28	227
Te Kaha	6	20.9	11.4	16.2	..	23.3	23	6.5	30	51	6	..	27	26	..
Port Ohope	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kinleith	383	17.3	7.6	12.5	-0.3	20.8	3	1.0	30	73	9	-41	35	26	..
Tikitere	338	17.7	9.2	13.5	-0.2	22.0	2	3.9	30	26	7	..	9	28	..
Kawerau	30	21.1	9.1	15.1	-0.2	25.0	1	2.0	10	20	6	-111	13	28	..
Te Teko	8	22.4	8.4	15.4	+0.3	27.5	2	3.2	28	31	6	-93	26	28	202
Rotorua Airport	287	18.4	8.2	13.3	-0.2	22.9	2	2.6	10	29	7	-90	10	2	204
Waiootapu Forest	435	17.3	6.4	11.9	-0.4	21.5	2	0.5	20	22	8	-96	11	26	..
Atiamuri Power Stn	253	18.5	6.9	12.7	-0.3	23.0	2	1.7	10	41	10	-63	15	26	..
Kaingaroa Forest	544	16.3	5.4	10.9	-0.8	21.0	2	-1.0	10	28	7	-97	12	26	..
Murupara	198	19.3	7.1	13.2	+0.1	24.0	1	-0.4	10	17	6	-84	6	28	..
Wairapukao Forest	437	17.1	4.4	10.8	-0.5	21.8	1	-2.6	10	31	6	-78	14	26	..
Taupo	376	17.5	6.4	12.0	-0.8	20.8	23	0.5	20	25	7	-62	7	26	170
Wairakei Power Stn	342	18.0	6.5	12.3	-0.6	22.2	2	-1.5	10	22	7	-65	9	26	..
Wairakei Research Stn	402	18.8	5.0	11.9	-0.3	24.0	2	-1.2	20	25	5	-61	10	26	..
Minginui Forest	366	17.8	6.1	12.0	+0.2	22.4	5	-2.1	10	31	6	-83	14	26	..
Taupo Airport	407	17.0	5.8	11.4	-1.1	20.3	3	-1.1	30	25	6	-59	8	26	..
Waimihia Forest	743	13.9	5.4	9.7	-0.3	17.5	2	-1.5	10	52	6	-75	15	26	..
Opotiki	6	20.2	9.8	15.0	-0.2	23.7	2	3.9	10	49	6	-66	19	28	205
Waimana	37	20.9	7.5	14.2	+0.0	26.1	17	0.9	10	36	7	-85	29	28	..
Mangere Auckland	4	19.9	11.0	15.5	-0.5	22.6	1	7.1	12	45	11	-70	21	28	198
Otara Auckland	12	20.1	9.7	14.9	-0.6	23.1	1	5.1	30	39	9	-67	17	28	..
Auckland Airport	8	19.5	11.5	15.5	-0.7	22.4	1	7.6	30	57	9	-48	18	28	205
Ardmore	30	20.1	8.8	14.5	-0.9	23.0	1	4.1	30	50	10	-66	19	28	..
Pukekohe	82	19.3	10.4	14.9	-0.4	22.7	1	5.8	30	55	11	..	23	28	155
Maioro Forest	52	19.9	11.0	15.5	-0.3	23.4	17	6.7	30	84	11	-26	33	28	..
Hunua	122	19.4	7.8	13.6	..	22.7	1	2.5	30	41	11	..	12	28	..
Maramarua Forest	38	20.1	7.3	13.7	-0.8	24.2	1	2.2	19	41	8	-61	12	7	..
Te Kauwhata	32	19.9	8.8	14.4	-0.8	24.9	5	4.0	30	46	15	-53	13	8	165

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for April 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				
Huntly	34	..	..	..	..	..	..	..	..	..	..	..	..	..
Taupiri	23	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruakura Hamilton	40	20.0	7.5	13.8	-0.6	22.8	1	1.4	22	35	9	-65	14	26	183
Whatawhata	104	19.4	8.0	13.7	-1.0	22.4	23	3.4	20	59	10	-70	17	26	166
Rukuhia	66	20.2	8.3	14.3	-0.4	23.3	5	1.8	30	51	12	-48	29	26	185
Hamilton Airport	50	20.3	6.7	13.5	-0.5	23.0	3	0.0	20	56	7	-41	28	26	..
Cambridge	76	19.6	7.8	13.7	-0.4	23.2	1	1.0	30	65	10	-31	29	8	..
Port Taharoa	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohakatino Stn Mokau	46	18.4	11.3	14.9	-0.3	23.2	3	5.5	30	155	14	+28	70	26	..
Arapuni Power Stn	123	19.7	7.6	13.7	-0.7	22.8	3	1.5	30	56	10	-53	14	26	..
Waikeria	46	20.0	6.4	13.2	-0.9	23.6	1	-0.2	22	47	8	..	17	26	..
Te Kuiti	61	19.4	8.0	13.7	-0.5	23.3	3	1.9	30	92	12	-20	41	28	155
Wairere	122	18.6	7.1	12.9	..	22.1	3	1.5	30	93	11	-35	27	28	..
Pureora Forest	549	15.7	5.3	10.5	-0.8	19.5	2	-1.5	30	87	12	-34	30	28	..
Mangakahu Valley	397	16.7	..	..	..	21.0	3	..	..	93	12	..	29	28	..
Taumarunui	171	19.0	6.3	12.7	-1.0	23.6	3	0.3	19	106	12	+4	44	28	125
Tokirima	152	19.0	5.4	12.2	..	23.1	3	-2.0	22	109	12	..	39	26	..
Omata	61	18.8	11.9	15.4	-0.1	22.2	3	5.0	30	110	15	-32	45	26	..
New Plymouth	55	19.0	10.2	14.6	-0.2	22.9	3	3.0	30	81	13	-58	28	26	..
New Plymouth Airport	27	18.5	10.0	14.3	-0.2	21.3	17	3.2	30	101	15	-23	38	26	187
North Egmont	955	13.3	5.1	9.2	..	18.2	20	0.3	30	240	13	..	75	26	..
Te Wera Forest	180	..	6.4	..	..	..	..	-0.8	30	118	9	-23	64	26	..
Lower Retaruke	223	18.3	6.1	12.2	-0.9	23.4	3	0.1	22	114	9	+8	45	26	..
Turangi	366	17.3	6.1	11.7	-0.9	20.9	2	0.1	30	65	7	-46	23	28	179
Chateau, Mt Ruapehu	1097	12.6	2.6	7.6	..	16.4	1	-2.2	10	178	..	..	63	26	..
Hukanui	235	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Res	305	17.2	7.3	12.3	+0.4	21.5	5	0.0	20	81	13	-105	17	26	..
Waingawa Masterton	114	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kopua	311	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipukurau	137	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dannevirke	207	17.6	7.9	12.8	-0.3	23.2	1	1.4	20	36	11	-54	11	26	145
Porangahau	8	19.4	9.1	14.3	..	27.4	1	3.3	11	27	10	..	13	20	..
Castlepoint	3	18.4	12.5	15.5	+0.9	23.2	1	7.3	10	23	9	-62	6	20	..
Ngaumu Forest	244	18.1	6.9	12.5	+0.5	23.5	1	0.3	20	24	9	-74	6	26	..
Tauherenikau, Alloa	43	19.3	7.3	13.3	-0.2	23.1	5	1.0	30	15	5	-72	6	26	..
Waiorongomai	21	17.8	8.9	13.4	+0.4	20.4	4	2.9	30	37	9	-87	15	28	..
Cape Palliser	10	17.9	11.9	14.9	+0.0	22.1	1	7.8	24	44	13	-48	11	16	..
East Cape	17	19.6	12.9	16.3	+0.0	22.1	1	6.8	10	89	14	-35	18	18	..
Ruatoria	61	20.6	10.0	15.3	+0.0	25.9	6	2.0	10	72	13	-94	13	17	..
Mangatu Forest	182	19.5	8.9	14.2	+0.1	26.1	5	1.2	10	78	12	-33	19	2	..
Manutuke Gisborne	9	20.0	8.7	14.4	-0.2	24.0	1	0.1	10	25	8	-58	9	2	..
Gisborne Airport	4	19.9	9.4	14.7	-0.1	24.1	1	2.1	10	35	11	-58	9	16	194
Onepoto, Waikaremoana	643	15.9	8.2	12.1	-0.1	21.5	1	3.4	10	114	14	-76	35	2	..
Wharerata Forest	439	16.0	9.6	12.8	..	20.6	1	3.2	10	109	15	..	26	21	..
Esk Forest	427	17.2	8.4	12.8	+0.1	22.0	1	1.9	10	41	11	-114	15	2	..
Kaweka Forest	414	17.2	9.1	13.2	+0.2	23.6	1	5.1	30	31	11	-84	14	2	..
Napier Airport	2	19.6	9.1	14.4	-0.1	26.0	1	2.6	10	21	7	-53	5	2	..
Napier	2	20.0	9.7	14.9	-0.1	26.1	1	1.9	10	60	8	-10	42	2	179
Hastings	16	20.0	8.8	14.4	..	25.7	1	0.4	10	17	7	..	7	20	..
Whakatu	6	19.5	8.4	14.0	..	25.9	1	-0.7	10	21	7	..	8	20	..
Gwavas Forest	335	17.6	6.3	12.0	+0.1	24.7	1	0.2	10	12	8	-91	4	28	..
Makaretu	335	18.0	7.0	12.5	+0.0	24.6	1	-0.5	10	21	13	-76	8	2	..
Mohaka Forest	286	18.1	8.2	13.2	-0.3	26.3	1	1.6	10	41	12	-95	14	2	..
Frasertown, Wairoa	8	19.5	9.3	14.4	-0.4	25.8	1	2.4	10	93	16	-54	28	20	..
Wairoa	20	19.3	9.5	14.4	-0.5	26.1	1	2.8	10	76	10	-48	24	20	176
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	17.9	9.7	13.8	+0.0	21.5	17	2.6	30	30	8	-56	13	26	180
Flockhouse Bulls	9	18.6	9.0	13.8	+0.0	21.8	1	1.2	30	60	10	-7	20	26	..
Ohakea	48	18.4	9.6	14.0	-0.3	21.8	4	3.4	30	62	12	-9	18	26	179
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston N	15	18.7	8.6	13.7	+0.2	21.8	1	1.2	30	44	9	-24	16	26	177
Palmerston N Airport	45	18.5	8.8	13.7	+0.1	22.2	1	1.2	30	41	9	-34	11	26	..
Palmerston N D S I R	34	18.4	9.7	14.1	+0.0	21.6	1	3.0	30	39	10	-36	10	26	140
Tiritia	100	17.7	9.9	13.8	..	21.4	2	3.6	30	60	10	..	15	26	..
Waitarere Forest	3	18.3	8.7	13.5	-0.2	21.0	1	-0.6	22	40	9	-27	13	26	..
Levin	46	17.9	9.7	13.8	-0.1	21.2	3	4.4	22	46	12	-38	26	26	165
Titahi Bay	31	18.1	10.8	14.5	..	22.1	3	3.4	30	49	9	..	17	28	..
Avalon, Lower Hutt	15	18.2	9.9	14.1	+0.3	21.8	3	4.0	30	49	10	-60	20	28	..
Kelburn, Wellington	125	17.0	11.2	14.1	+0.4	19.8	3	6.9	30	68	9	-39	30	26	165
Somes Is	43	17.3	11.4	14.4	+0.4	20.2	2	6.0	30	54	8	-53	26	28	..
Gracefield Lower Hutt	34	17.7	10.7	14.2	+0.3	20.0	14	4.9	30	45	8	-73	19	28	..
Wainuiomata	82	17.3	8.8	13.1	+0.0	20.0	3	2.2	30	47	11	-97	15	28	..
Wellington Airport	6	17.8	11.9	14.9	+0.6	20.3	14	5.9	30	59	8	-29	31	26	..
Rimutaka Forest	37	17.7	8.4	13.1	..	20.5	3	2.4	30	69	11	..	23	26	..
Kaitoke	223	16.9	6.9	11.9	+0.0	20.0	14	0.0	20	57	15	-97	24	28	155

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for April 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	mm	mm	mm					
Wallaceville	56	18.2	7.6	12.9	+0.0	20.0	1	1.3	30	39	13	-58	19	28	160
Cape Egmont	8	18.4	11.9	15.2	+0.1	21.5	1	4.8	30	49	16	-76	17	26	..
Stratford Mtn House	846	12.5	4.7	8.6	-0.7	17.5	1	1.0	10	211	12	-310	54	27	..
Stratford Dem Farm	311	17.0	7.1	12.1	-0.4	21.2	3	0.6	30	77	9	-78	39	26	167
Kapuni	173	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manaia Dem Farm	98	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Normanby	122	17.2	8.7	13.0	-0.2	21.2	3	1.4	30	54	14	..	28	26	..
Patea	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruatiti	354	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ohakune Junction	629	15.4	5.3	10.4	-0.2	21.9	1	-0.2	30	87	13	-18	34	28	..
Karioi	648	15.6	5.0	10.3	-0.6	20.5	3	-0.6	10	66	10	-20	22	26	..
Waiouru	823	14.5	4.5	9.5	-0.1	19.6	1	-1.2	20	63	11	-16	23	26	..
Waiouru Military Camp	823	14.0	4.1	9.1	-0.2	19.1	1	-1.8	10	63	12	-26	24	26	..
Ahu Ahu Valley	85	18.9	7.6	13.3	..	23.2	3	1.7	19	94	10	..	47	26	..
Taihape	433	17.4	5.0	11.2	-0.5	22.8	1	-1.1	20	45	12	-26	14	8	..
Kahui, Taihape	518	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wanganui	22	18.6	10.3	14.5	-0.1	23.0	1	4.6	30	73	11	+2	32	26	155
Wanganui Airport	9	18.6	10.1	14.4	..	22.6	1	4.9	30	71	10	+3	33	26	..
Farewell Spit	3	19.0	9.4	14.2	+0.1	21.7	2	3.8	23	40	12	-76	18	26	..
Totaranui	10	18.5	9.2	13.9	..	22.8	1	4.1	9	41	7	-126	22	28	..
Westport Airport	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cobb Dam	823	14.8	4.6	9.7	+0.4	19.6	14	-1.0	30	79	10	-113	23	8	..
Arapito	20	17.6	9.1	13.4	..	20.7	3	2.5	30	172	12	..	45	25	145
Lake Rotoroa	443	15.4	5.0	10.2	..	20.0	20	-1.4	30	96	12	..	21	7	..
Lake Rotoiti	634	15.4	3.9	9.7	+0.2	19.3	20	-3.4	30	154	12	+13	48	1	..
Hokitika Airport	39	16.3	8.0	12.2	-0.3	18.7	1	1.7	9	151	13	-88	25	27	171
Punakaiki	4	17.6	11.3	14.5	..	20.9	21	5.7	30	193	13	..	45	25	..
Reefton	198	16.5	6.7	11.6	+0.0	20.6	17	0.2	30	152	11	-30	39	28	..
Barrytown	30	16.8	10.3	13.6	..	20.0	21	5.0	30	198	15	-45	43	25	..
Totara Flat	77	17.2	6.2	11.7	-0.1	22.8	1	-1.5	30	129	10	-46	26	25	..
Greymouth	4	16.3	8.7	12.5	-0.7	19.5	21	3.3	29	172	15	-62	38	27	143
Otira Substation	383	15.3	6.6	11.0	+0.4	19.3	3	-0.5	9	280	13	-133	62	7	..
Springs Junction	421	15.2	4.5	9.9	-0.3	19.6	3	-2.8	22	175	11	-24	32	28	..
Pukekura	86	16.4	6.0	11.2	..	19.0	4	-0.8	9	190	13	..	37	7	..
Hari Hari	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Okarito	10	16.6	8.3	12.5	..	19.6	2	1.0	9	187	12	..	41	24	..
Franz Josef	155	15.9	7.8	11.9	..	18.9	2	1.7	9	305	13	..	65	27	90
Fox Glacier	152	15.8	7.2	11.5	-0.2	19.7	17	0.1	9	271	14	-98	64	7	..
Milford Sound	3	15.0	6.8	10.9	-0.6	18.7	2	1.2	9	582	17	+6	80	27	..
Puysgur Point	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stephens Is	187	16.3	12.0	14.2	+1.1	18.6	1	8.4	22	34	9	-38	11	26	..
Riwaka Motueka	8	18.8	6.9	12.9	-0.2	24.0	1	0.7	30	19	7	-115	6	8	210
Tapawera	146	19.0	5.2	12.1	..	24.5	1	-1.7	30	44	7	..	16	28	..
Crail Bay Pelorus Sd	13	17.7	10.9	14.3	..	20.2	7	6.2	30	57	6	..	29	25	..
Appleby	17	18.5	8.2	13.4	-0.1	22.5	1	2.4	30	27	5	-64	17	26	..
Nelson Airport	2	18.0	7.1	12.6	-0.4	21.8	1	1.0	30	42	9	-50	20	26	213
Rai Valley	79	..	6.5	..	..	..	..	0.2	30	94	7	-86	39	26	..
Moutere Hills	110	18.2	9.9	14.1	+0.3	22.3	20	4.8	30	22	7	-77	6	26	..
Blenheim Airport	27	19.1	7.1	13.1	-0.1	23.6	1	1.4	30	26	4	-44	11	28	..
Brancott Valley	64	19.3	6.1	12.7	..	24.5	1	0.8	30	19	5	..	9	28	..
Blenheim	4	19.7	7.2	13.5	-0.1	24.9	26	1.2	30	18	4	-45	8	26	207
Wither Hills Blenheim	32	19.6	7.8	13.7	+0.1	24.7	1	1.5	30	17	4	-44	8	26	..
Waihopai Power Stn	262	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vernon Lagoons	2	19.0	6.8	12.9	-0.1	24.7	1	1.0	30	17	3	-42	7	26	..
Lake Grassmere	2	18.5	9.4	14.0	+0.5	24.6	1	2.5	30	11	3	-49	6	28	193
Cape Campbell	3	..	11.5	..	..	..	..	6.7	9	11	5	-51	5	28	..
Boyle River Lodge	600	..	..	..	..	..	..	..	..	87	..	..	..	..	..
Hanmer Forest	387	18.3	3.7	11.0	+0.0	23.0	5	-2.5	30	24	7	-87	13	28	151
Molesworth	893	15.8	1.7	8.8	+0.0	20.4	1	-4.9	30	20	5	-47	10	28	..
Kaikoura Flats	24	17.5	6.3	11.9	..	22.2	7	1.4	30	14	5	..	5	2	..
Kaikoura	108	16.8	10.1	13.5	+0.5	22.0	7	4.7	9	1	5	-88	0	..	201
Arthurs Pass	738	12.7	4.0	8.4	..	16.6	17	-2.7	9	250	11	-111	67	7	..
Culverden	174	18.5	4.1	11.3	..	23.0	12	-3.0	30	4	2	..	3	28	..
Balmoral Forest	198	18.9	4.9	11.9	+0.4	23.5	24	-2.2	30	7	5	-52	4	28	..
Waiau	137	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cheviot	85	18.4	4.6	11.5	..	24.1	24	-1.7	30	8	4	..	3	20	184
The Hermitage Mt Cook	765	15.8	4.5	10.2	+0.9	21.8	14	-2.6	9	255	13	-97	68	7	140
Mt John	1027	14.4	5.3	9.9	+1.2	20.3	12	-2.5	9	29	6	-28	14	27	..
Craigieburn Forest	914	14.9	2.9	8.9	+0.0	20.0	23	-4.0	9	91	14	-54	35	28	..
Lake Coleridge	364	17.9	5.2	11.6	+0.6	24.2	12	-0.6	9	63	11	-22	30	28	..
Highbank Power Stn	336	16.7	6.6	11.7	+0.1	23.1	12	0.5	29	30	9	-72	15	28	170
Hororata Substation	192	18.4	4.3	11.4	+0.0	24.8	4	-2.2	29	22	9	-56	11	28	174
Winchmore	160	17.7	6.2	12.0	+0.7	23.6	7	-0.3	9	22	7	-53	12	28	..
Peel Forest	274	17.5	3.9	10.7	+0.3	24.2	12	-2.3	29	41	15	-43	17	28	..
Ashburton	101	18.4	6.7	12.6	+0.4	26.0	25	-0.5	29	23	7	-49	12	28	151

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for April 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	mm	mm	mm	mm	Hrs				
Waipara	64	..	7.3	..	..	..	-0.5	9	5	5	-56	2	8	..	
Ashley Forest	107	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangiora	46	18.3	5.3	11.8	-0.2	25.2	4	-0.9	29	11	9	-51	5	28	..
Darfield	195	..	6.3	..	..	..	..	-0.4	9	17	6	-59	7	28	..
Eyrewell Forest	158	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Christchurch Airport	30	18.1	6.3	12.2	+0.0	25.3	7	-0.6	9	12	8	-51	5	28	194
Templeton	46	17.8	6.5	12.2	+0.3	24.5	4	-0.5	29	11	6	..	5	28	..
Christchurch	7	18.5	7.9	13.2	+0.6	26.0	7	0.0	9	12	4	-56	6	8	..
Bromley Christchurch	9	17.7	8.8	13.3	+0.5	25.2	7	1.5	29	13	8	-54	7	8	..
Mt Pleasant	137	17.6	10.5	14.1	+0.8	24.5	7	3.7	29	16	6	-52	10	8	..
Lincoln	11	17.5	6.4	12.0	+0.0	24.7	7	-0.5	22	17	8	-48	8	28	179
Quail Island	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Akaroa	3	18.8	7.2	13.0	+0.2	26.1	7	1.0	29	30	6	..	13	8	..
Lake Tekapo	683	16.1	4.3	10.2	+0.2	21.7	12	-2.0	9	27	7	-29	13	27	..
Lake Pukaki	556	16.7	5.5	11.1	+0.7	22.0	12	-1.0	9	25	5	-33	14	27	..
Fairlie	304	17.8	1.9	9.9	..	24.9	12	-4.2	29	21	4	..	18	28	..
Twizel	457	17.7	2.2	10.0	+0.3	22.4	12	-4.5	9	16	8	-42	7	27	..
Ikawai	70	17.7	4.8	11.3	+0.3	25.0	7	-1.0	24	19	3	-31	10	28	..
Geraldine	119	18.1	5.7	11.9	+0.3	25.3	7	-1.5	29	27	7	-65	15	28	..
Orari Estate	81	17.8	5.0	11.4	+0.2	26.1	7	-1.0	29	23	8	-55	13	28	..
Temuka	24	18.1	5.5	11.8	+0.3	26.5	7	-1.7	29	19	6	-44	13	28	..
Timaru Airport	26	17.7	5.0	11.4	+0.3	27.1	7	-0.6	29	16	5	-42	11	28	..
Adair	85	17.2	6.9	12.1	+0.3	25.1	7	1.9	29	29	8	-29	14	28	..
Timaru	17	16.8	6.8	11.8	-0.3	25.8	7	-0.6	29	31	6	-26	14	28	157
Waimate	61	18.0	6.6	12.3	+0.0	26.5	7	-0.3	29	26	6	-36	13	28	..
Aviemore	241	18.5	6.5	12.5	..	22.8	11	2.0	29	6	4	-34	4	28	..
Kurow	207	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru Airport	30	16.9	6.6	11.8	+0.7	25.1	7	1.6	29	17	6	-30	8	28	144
Knobs Flat	360	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tara Hills Omarama	488	17.1	3.1	10.1	+0.3	22.1	12	-2.2	29	16	7	-28	9	28	213
Lake Hawea	350	16.1	5.7	10.9	-0.3	19.6	12	-0.5	9	70	7	+10	37	27	..
Wanaka	296	17.8	4.7	11.3	+0.4	21.0	7	0.0	9	76	7	+20	38	27	..
Queensberry	277	17.4	5.3	11.4	..	21.2	7	-0.7	9	59	10	..	37	27	..
Bendigo	200	18.4	4.6	11.5	..	22.8	7	-0.4	24	16	7	..	7	27	..
Naseby	607	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ranfurly	427	16.9	..	..	..	21.6	24	..	9	6	-32	3	28	167	
Herbert Forest	61	17.9	4.9	11.4	+0.3	26.5	7	0.4	29	26	6	-27	14	28	..
Palmerston	21	17.8	4.5	11.2	+0.8	25.5	7	-2.4	24	11	3	-43	5	28	155
Cherry Farm Hospital	6	17.5	5.8	11.7	+0.6	25.1	7	-0.1	29	13	7	-41	5	30	..
Taiaroa Head	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invermay, Taieri	30	16.6	6.0	11.3	+0.5	22.2	7	0.3	29	30	14	-41	10	30	135
Berwick Forest	18	16.7	5.1	10.9	+0.1	22.3	7	-1.0	29	38	10	-25	14	30	..
Dunedin Airport	1	17.0	5.3	11.2	+0.6	21.5	7	-0.6	23	30	12	-27	11	30	151
Musselburgh Dunedin	2	16.0	8.6	12.3	+0.5	22.2	7	2.2	29	33	12	-39	9	30	130
Te Anau	215	15.1	6.4	10.8	+0.7	18.7	24	-0.8	9	145	13	+47	35	27	126
West Arm, Manapouri	232	12.4	6.6	9.5	+0.2	16.0	3	-2.4	12	516	19	+130	70	25	..
Borland Burn	183	15.6	4.6	10.1	+0.5	19.2	24	-1.1	9	144	15	+45	24	30	..
Queenstown	329	17.0	6.3	11.7	+0.8	20.3	7	2.2	29	67	12	-8	23	27	147
Queenstown Airport	349	15.5	4.5	10.0	+0.2	20.4	7	0.3	29	45	11	-13	12	27	..
Otama	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell Sub Stn	213	18.2	4.4	11.3	..	23.5	7	-1.8	24	17	6	-12	7	27	..
Cromwell	213	18.3	4.0	11.2	+0.2	24.7	7	-1.7	24	17	9	-18	7	27	185
Northburn	210	18.3	5.0	11.7	..	24.0	7	0.1	24	15	6	..	7	27	..
Lauder	370	17.2	3.7	10.5	..	22.0	7	-2.5	11	13	7	..	7	28	..
Clyde Dam	160	18.3	5.3	11.8	..	23.3	7	0.5	11	23	10	..	5	27	..
Ophir	305	17.2	2.3	9.8	+0.0	22.5	7	-3.7	11	16	5	-21	5	7	..
Moa Creek	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clyde	171	18.1	4.5	11.3	..	23.4	7	-1.5	11	19	9	..	4	26	..
Alexandra	141	18.6	3.6	11.1	..	24.2	6	-0.5	10	17	10	..	5	26	155
Roxburgh Power Stn	110	18.0	4.9	11.5	+0.3	24.0	7	-1.0	11	33	11	-7	8	26	..
Ettrick	83	18.2	4.3	11.3	..	24.0	7	-1.5	11	38	8	..	11	29	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	17.1	5.7	11.4	..	23.0	7	1.5	9	82	16	-7	23	8	..
Mahinerangi Dam	396	14.4	5.2	9.8	+0.7	20.0	7	-0.5	9	58	13	-28	19	30	..
Tapanui	226	15.4	5.4	10.4	-0.2	19.0	23	0.0	9	55	11	-23	17	8	..
Taieri Mouth	15	15.6	6.6	11.1	+0.3	21.6	7	0.5	29	35	11	-36	11	12	..
Tuatapere	27	16.3	6.4	11.4	..	20.0	23	2.2	11	127	16	..	26	28	..
Otautau	55	16.1	5.9	11.0	+0.6	20.7	18	1.3	22	159	15	+52	32	8	99
Winton	44	15.9	5.9	10.9	+0.2	21.7	23	1.0	9	104	15	+23	19	8	122
Gore	123	14.9	6.3	10.6	+0.4	18.7	25	1.5	9	73	17	-1	15	7	118
Hokonui Forest	46	16.2	6.8	11.5	+0.7	20.7	23	1.9	9	86	16	-8	16	7	..
Woodlands	47	15.3	6.4	10.9	+0.4	21.0	23	1.5	9	131	24	+32	24	30	..
Invercargill Airport	0	15.3	6.8	11.1	+0.8	19.8	18	1.9	22	127	21	+23	30	30	95

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for April 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				
Tiwai Point, Bluff	5	14.8	8.5	11.7	+0.6	20.0	18	4.0	9	122	22	+17	25	6	..
Stewart Is	3	13.9	7.3	10.6	+0.4	17.5	19	2.1	9	212	27	+74	39	30	..
Milton	18	16.2	4.8	10.5	+0.1	20.9	7	-0.3	23	27	14	-36	7	30	..
Clinton School	120	15.0	5.6	10.3	..	18.9	7	0.5	23	86	16	..	20	30	..
Finegand Balclutha	6	15.9	6.6	11.3	+0.6	20.4	25	2.0	22	25	8	-30	5	7	135
Owaka	5	15.9	5.1	10.5	+0.2	20.4	23	-0.3	22	61	15	-15	16	30	..
Nugget Point	129	14.0	7.6	10.8	+0.3	19.6	7	1.7	9	59	17	-17	14	30	..
Tautuku	61	14.7	7.2	11.0	+0.2	19.4	7	2.6	9	115	21	+7	40	30	..
Nandi Airport, Fiji	19	31.2	22.1	26.7	+0.6	34.2	3	18.8	27	214	14	+39	41	3	196
Rarotonga Airport	7	29.0	23.1	26.1	+0.9	30.3	8	20.2	25	237	14	+35	143	10	168
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	23.7	18.3	21.0	+0.4	26.5	13	15.1	26	133	22	+11	41	11	173
Campbell Is	15	9.7	5.0	7.4	+0.1	14.5	18	-0.4	29	149	29	+31	16	19	40
Waitangi, Chatham Is	44	15.7	10.9	13.3	+0.8	19.3	1	6.3	10	89	14	+5	23	29	90
Scott Base Antarctica	16	-15.5	-25.8	-20.7	+3.4	-7.8	15	-35.7	23	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Kaikohe 03/1984	204	21.3	14.7	18.0	+0.0	23.3	9	11.5	15	238	22	+105	99	29	152
Whangapoua Forest 03/1984	4	22.7	14.9	18.8	+1.0	25.0	9	9.8	22	176	24	+28	26	7	..
Whakatane Airport 03/1984	6	22.3	13.6	18.0	+0.7	23.7	22	6.9	25	155	19	+31	33	7	156
Murupara 12/1983	198	21.5	9.3	15.4	-1.4	24.5	27	3.4	30	101	14	-36	21	9	..
Murupara 01/1984	198	23.6	9.7	16.7	-1.5	28.6	3	3.0	18	99	11	+2	29	11	..
Opotiki 03/1984	6	22.1	14.5	18.3	+0.6	24.1	22	10.0	18	248	15	+116	47	7	164
Pukekohe 02/1984	82	22.9	13.9	18.4	-0.5	25.8	26	10.0	20	135	14	..	54	10	161
Pukekohe 03/1984	82	22.1	14.2	18.2	+0.5	24.8	2	10.0	25	219	19	..	60	5	120
Taupiri 01/1984	23	..	..	..	..	..	..	..	..	146	14	..	39	7	..
Port Taharoa 02/1984	27	..	..	..	..	..	..	..	..	81	5	-2	36	11	..
Lower Retaruke 03/1984	223	22.2	11.4	16.8	+0.7	25.2	1	4.7	25	156	14	+68	42	13	..
Chateau, Mt Ruapehu 03/1984	1097	15.4	7.0	11.2	..	18.3	3	2.0	22	203	15	..	53	5	..
Brancott Valley 02/1984	64	21.7	10.2	16.0	..	28.0	1	5.2	21	73	7	..	25	11	..
Waihopai Power Stn 02/1984	262	21.6	10.1	15.9	-1.3	29.0	14	5.0	1	74	7	+17	28	11	..
Waihopai Power Stn 03/1984	262	21.3	10.8	16.1	+0.6	27.8	21	4.4	23	93	16	+25	21	31	..
Mt John 03/1984	1027	15.7	8.0	11.9	+0.2	21.5	28	3.1	24	34	17	-11	7	9	..
Craigieburn Forest 03/1984	914	16.9	7.7	12.3	+0.5	21.8	29	0.0	24	97	22	+6	27	12	..
Eyrewell Forest 02/1984	158	21.0	9.5	15.3	-1.0	30.0	14	3.0	8	103	8	+51	31	11	..
Eyrewell Forest 03/1984	158	..	10.4	..	..	..	..	0.8	24	154	13	+85	55	13	..
Akaroa 03/1984	3	21.6	11.2	16.4	+0.6	28.0	5	3.8	24	70	11	..	25	17	..
Adair 03/1984	85	18.3	10.8	14.6	+0.4	25.6	28	3.6	26	62	17	+2	16	16	..
Kurow 03/1984	207	19.9	11.0	15.5	..	28.6	2	3.9	23	44	16	..	10	7	..
Knobs Flat 03/1984	360	..	..	..	..	..	..	..	..	161	18	-29	23	27	..
Taiaroa Head 02/1984	72	16.6	11.1	13.9	-0.3	22.5	24	7.5	22	23	12	-18	5	9	..
Queenstown Airport 02/1984	349	21.3	8.6	15.0	+0.0	26.7	13	4.0	19	50	7	+13	22	29	..
Moa Creek 03/1984	427	20.5	6.7	13.6	+1.3	24.8	29	-0.9	24	69	11	+26	27	5	..
Rarotonga Airport 03/1984	7	28.8	23.5	26.2	+0.3	30.8	24	20.9	23	196	20	-59	68	2	174
Totokoitu, Rarotonga 03/1984	9	29.0	23.5	26.3	+0.8	33.5	15	..	..	310	22	..	83	2	..
Raoul Is 01/1984	38	24.0	18.6	21.3	-0.4	26.2	24	15.0	17	117	12	-2	26	12	211
Raoul Is 02/1984	38	24.9	20.8	22.9	+0.4	26.6	11	17.8	21	200	19	+56	56	23	121
Campbell Is 02/1984	15	13.1	7.8	10.5	+1.3	18.3	2	2.6	14	59	17	-48	21	28	73
Campbell Is 03/1984	15	12.3	7.4	9.9	+1.3	16.9	27	1.9	3	39	20	-89	16	30	67

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 rainday 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 APRIL 1984

General—April was a dry, sunny month over most of New Zealand. Pressures were very close to normal over the whole country, with lowest pressures to the south and high pressures to both east and west.

There were more winds from a southerly quarter in the north of the country this month while westerlies were slightly more frequent than usual to the south. There were less strong winds over the whole country than usual for April.

A squall line crossed the Ashburton-Christchurch area on the 8th and produced a small tornado in the Rokeby area. Damage was confined to trees, fences and farm outbuildings although there were some hay losses. Hailstorms accompanied the squall. These particularly affected the Ashburton area, where stones up to 2 cm diameter flattened many gardens.

The dry, sunny conditions suited most farmers, especially in areas where high rainfalls in March had replenished soil moisture. Some footrot and scald were reported in wetter areas to the south. Five Jersey cows were killed by lightning near Collingwood on the 26th.

Rainfall—Rainfall for April was below normal for the whole country except in areas in the far south and south-west of the South Island and some central and western areas of the North Island.

Parts of Bay of Plenty, southern Hawke's Bay and Wairarapa were very dry with many stations recording between 10 percent and 20 percent of their normal rainfall. In the South Island coastal areas to the north of Banks Peninsula were exceptionally dry, with many stations recording less than 10 percent of normal rainfall. Among the drier stations were Culverden (0.2 mm), Kaikoura (1 mm), Kaikoura West (2 mm), Spotswood (4 mm) and Glenallen (4 mm). In each case these are the lowest totals on record for April; records began at Glenallen in 1905, Culverden in 1915, Spotswood in 1918, Kaikoura West in 1928 and Kaikoura in 1945.

Temperatures—Mean daily temperatures were normal or above normal over most of the country this month; temperatures in some eastern and central areas of the South Island were up to 1.5°C warmer than usual. Northern and north-eastern areas of the North Island were about 0.5°C cooler than usual.

The period from the 1st to the 7th was very mild. During this time mean temperatures were about 3°C to 5°C above average and maximum temperatures of between 20°C and 25°C were recorded on several days by stations throughout the country. The 7th was particularly mild in some southern areas of the South Island which recorded their warmest April day for 5 years. However, this was immediately followed by a cool spell from the 8th to the 10th, during which snow fell on some South Island high country. Although night-time temperatures were rather cool at times the weather remained mild until the 29th, although cool southerlies affected some areas between the 21st and 23rd. On the 29th and 30th mean temperatures were generally 3°C to 6°C colder than average.

Sunshine—April was sunnier than normal over the whole country except parts of Southland, where sunshine hours were a little below normal. The north of the North Island and eastern areas were particularly sunny. Kaikoura had 201 hours of sunshine, a record for April since records began in 1960, and a total exceeded only once in March during this time. Kaitaia recorded 210 hours, 47 above normal, making this the sunniest April there since 1965 and the second sunniest on record, while Tauranga had 233 hours, 55 hours above normal, the highest for April since 1958 and second highest since the station opened in 1933.

Among other stations to have high sunshine hours this month were: Auckland 193 hours (+33), Rotorua 204 hours (+33), Hamilton 193 hours (+34), Gisborne 194 hours (+32) and Christchurch 194 hours (+44).

THE WEATHER SEQUENCE—APRIL 1984

1-7 April

A trough of low pressure covered New Zealand at the beginning of April and showery weather affected many areas. Showers remained in eastern areas of the North Island on the 2nd as the trough moved eastward and an extensive anticyclone, centred near Tasmania, began to move on to the country. The anticyclone crossed the country during the 3rd and 4th, bringing fine, mild weather to most districts, although showers persisted in Northland and Fiordland. Rain fell in the west and south of the South Island as a disturbed westerly flow developed on the 5th. Light rain spread to western areas of both Islands during the 6th and 7th as a trough developed in the westerly flow and moved on to the country.

8-14 April

By the 8th the trough covered New Zealand and, apart from some eastern areas, light rain became widespread. Temperatures were cool, particularly in the South Island. The rain cleared but temperatures remained cool on the 9th as the trough and its associated frontal system moved away to the east and a cold southerly airstream spread over the country. A ridge from an anticyclone centred near Tasmania began to move on to the north and west of New Zealand during the 10th and the weather became fine over the whole country. Fine, mild conditions continued as the anticyclone moved slowly eastward and became stationary in the mid-Tasman by the 14th. There were a few showers in parts of Southland on the 14th as a westerly airstream developed over the area.

15-21 April

The anticyclone remained stationary and by the 16th a belt of high pressure covered the Tasman Sea and extended well to the east of New Zealand. The resulting south-easterly winds brought showers to some eastern areas of the North Island but in all other areas fine, mild conditions prevailed until the 19th. By the 19th the anticyclone had moved eastward and the centre lay near the Chatham Islands. A cold front lay to the west of the South Island and rain fell in southern and western areas of the South Island and some areas of the North Island. The front crossed the country during the 20th and by the 21st an anticyclone had moved on to the country. The weather again became fine but cool, apart from some showers in the east of the North Island.

22-30 April

The weather continued to be fine until the 24th apart from showers in the east of the North Island. On the 24th a north-westerly flow developed over the south of the South Island and rain fell in south-western areas. This became widespread over the south and west of both islands on the 25th as a cold front within the flow began to move across the country. A complex trough developed behind the front and rain became widespread on the 26th. Temperatures remained mild but became cool on the 27th. Widespread rain fell on the 27th and 28th as disturbed westerlies developed over the country. By the 29th a trough had moved eastward on to New Zealand. Fronts within this trough brought further rain to some northern and western areas of the North Island and the south and west of the South Island on the 29th and 30th.

J. S. HICKMAN, Director.

(N.Z. Met. S. Pub. 107)

