



SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

WEDNESDAY, 7 APRIL 1982

Published by Authority

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CLIMATOLOGICAL TABLE FOR FEBRUARY 1982

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for February 1982—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.			Maxi- mum	Date	Mini- mum	Date				Amount		Date
				°C	°C					°C	°C	°C			
Ruakura, Hamilton	40	25.4	14.0	19.7	+1.6	29.7	9	3.7	7	80	5	-1	26	19	197
Whatawhata	104	24.9	14.2	19.6	+1.4	30.0	9	6.0	7	96	7	-16	30	23	185
Rukuhia	66	25.9	14.3	20.1	+1.5	30.5	12	6.1	7	67	5	-19	22	24	185
Hamilton Airport	50	26.2	12.5	19.4	+1.3	31.0	9	0.5	7	73	5	-8	26	24	..
Cambridge	76	26.0	13.6	19.8	..	30.5	9	3.2	7	95	6	..	53	23	..
Port Taharoa	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohakatino Station Mokau	46	22.7	15.5	19.1	+1.1	26.6	23	6.8	7	97	7	-22	32	19	..
Arapuni Power Station	123	26.2	13.5	19.9	+1.2	30.4	9	4.0	7	83	5	-16	35	23	..
Waikeria	46	26.3	13.0	19.7	..	30.3	2	1.6	7	66	6	..	28	23	..
Te Kuiti	61	25.8	13.6	19.7	+1.4	30.0	9	3.8	7	84	7	-10	39	24	173
Wairere	122	25.0	13.0	19.0	..	30.2	9	5.2	7	80	7	-24	31	24	..
Pureora Forest	549	22.1	9.5	15.8	+0.5	28.4	9	0.0	7	219	11	+97	83	24	..
Taumarunui	171	26.3	12.2	19.3	+1.0	32.5	9	1.5	7	77	10	-22	36	24	199
Omata	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Plymouth	55	23.6	14.4	19.0	..	29.4	23	5.1	7	102	8	..	40	18	..
New Plymouth Airport	27	23.5	14.1	18.8	+1.5	28.6	23	5.5	7	88	10	-14	21	25	232
Tikorangi	77	23.9	12.6	18.3	..	..	..	4.4	7	160	12	..	47	25	..
North Egmont	955	18.8	10.0	14.4	..	24.6	9	3.6	7	398	10	..	113	24	..
Te Wera Forest	180	23.6	10.5	17.1	+1.0	29.2	9	1.1	7	100	8	-19	28	25	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	24.4	11.9	18.2	+1.3	30.9	9	5.0	7	179	5	..	84	24	205
Chateau, Mt Ruapehu	1119	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mangamutu, Pahiatua	116	23.8	9.9	16.9	+0.2	32.2	9	0.5	7	84	7	-2	24	23	..
Mt Bruce Reserve	305	23.3	10.8	17.1	+1.4	31.0	9	1.6	14	117	10	..	37	23	..
Waingawa, Masterton	114	25.5	12.1	18.8	+1.5	32.5	9	4.0	7	102	8	+44	38	25	225
Kopua	311	23.6	12.0	17.8	+1.1	31.0	9	2.9	7	85	6	+6	26	23	..
Waipukurau	137	25.6	12.3	19.0	+1.4	31.8	9	4.3	14	122	8	+61	36	25	176*
Dannevirke	207	24.1	12.4	18.3	+1.3	33.1	9	2.7	7	45	9	-21	11	24	200
Porangahau	8	23.9	14.3	19.1	..	29.3	15	6.6	7	45	9	..	13	22	..
Castlepoint	3	22.9	15.8	19.4	+2.0	29.4	18	9.3	14	43	6	-15	19	22	..
Ngaumu Forest	244	24.7	11.2	18.0	+2.0	30.2	9	2.1	7	65	8	-1	19	23	..
Tauherenikau, Alloa	43	26.3	11.8	19.1	+1.7	34.0	9	5.1	7	144	10	+78	56	25	..
Gladstone, Arahura	116	24.8	11.5	18.2	+1.3	31.6	9	2.5	7	62	7	+9	25	25	..
Waiorongomai	21	23.8	12.3	18.1	+1.3	32.6	9	4.1	7	109	8	+10	38	18	..
Cape Palliser	10	24.0	15.2	19.6	+2.3	30.2	18	8.9	14	28	6	-41	18	22	..
East Cape	17	22.0	16.4	19.2	+0.0	27.8	18	10.5	8	132	11	+33	38	22	..
Ruatoria	61	24.1	14.4	19.3	+0.4	32.4	15	6.9	8	248	13	+113	62	23	..
Mangatu Forest	182	24.1	12.9	18.5	+0.2	31.2	18	5.6	7	110	9	+26	31	20	..
Manutuke Gisborne	9	24.1	13.4	18.8	+0.3	31.1	17	7.6	7	114	11	+53	23	23	..
Gisborne Airport	4	24.4	14.0	19.2	+0.5	32.4	17	7.4	8	98	12	+37	21	22	179
Onepoto, Waikaremoana	643	21.3	10.9	16.1	+0.0	28.8	18	5.5	14	162	13	+22	38	22	..
Wharerata Forest	439	20.3	13.0	16.7	..	29.0	19	7.8	7	285	14	..	68	23	..
Esk Forest	427	22.6	12.4	17.5	+0.9	29.0	18	2.7	7	101	13	-1	57	22	..
Kaweka Forest	414	23.4	12.9	18.2	+1.0	30.5	19	6.7	7	133	11	..	53	23	..
Napier Airport	2	23.4	13.9	18.7	..	34.4	19	6.2	7	44	11	-17	26	22	..
Napier	2	..	14.5	..	..	..	..	6.5	7	44	8	-14	23	22	177
Hastings	12	25.0	13.5	19.3	..	34.6	19	5.4	7	41	7	..	21	22	..
Havelock North	9	24.6	11.3	18.0	+0.2	33.2	19	4.9	14	38	6	-20	19	22	170
Gwas Forest	335	24.1	10.6	17.4	+1.4	30.5	19	1.3	7	134	8	+35	49	23	..
Makaretu	335	24.6	10.7	17.7	+0.9	31.6	9	1.7	7	82	8	..	26	22	..
Mohaka Forest	286	23.3	12.3	17.8	+0.7	29.9	15	4.4	7	207	14	+56	50	26	..
Frasertown, Wairoa	8	24.6	13.7	19.2	+0.4	31.0	10	6.8	7	123	11	+32	35	2	..
Wairoa	20	24.1	13.7	18.9	+0.2	30.0	19	7.1	7	89	11	..	22	2	172
Portland Island	78	20.8	15.2	18.0	-0.4	27.9	18	12.0	6	71	12	+20	13	22	..
Kapiti Island	16	22.5	15.2	18.9	+1.8	24.9	22	10.0	7	86	7	+10	50	25	..
Paraparaumu Airport	7	22.0	13.7	17.9	+0.8	27.5	23	4.3	7	100	9	+26	58	25	229
Flockhouse, Bulls	9	22.9	13.0	18.0	+0.8	28.2	24	3.0	7	48	8	-13	19	25	..
Ohakea	48	23.3	13.9	18.6	+0.8	28.2	24	7.1	7	53	9	-11	23	25	233
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston North	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston North Airport	45	23.7	13.2	18.5	+1.3	34.2	12	3.0	7	70	8	+9	19	25	..
Palmerston North D S I R	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Foxton	3	..	..	..	..	..	..	..	..	49	8	-12	17	25	..
Waitarere Forest	3	22.2	12.3	17.3	+0.3	28.5	24	3.0	13	65	7	+4	29	24	..
Levin	46	22.3	13.2	17.8	+0.6	28.0	24	5.9	7	90	8	+14	36	24	202
Titahi Bay	31	22.4	14.0	18.2	..	26.5	9	6.1	7	45	7	..	18	25	..
Taita, Lower Hutt	65	22.9	13.2	18.1	+1.2	30.3	9	5.4	7	79	9	-15	28	25	234
Avalon, Lower Hutt	15	23.1	13.9	18.5	+1.4	30.0	9	6.7	7	65	9	-14	22	18	..
Kelburn, Wellington	125	22.0	14.1	18.1	+1.4	30.1	9	8.0	7	49	8	-35	14	25	241
Somes Island	43	22.0	15.0	18.5	..	28.5	9	9.0	7	57	7	..	18	24	..
Gracefield, Lower Hutt	34	22.8	14.4	18.6	+1.4	30.0	9	6.6	7	46	8	-35	13	25	..
Wainuiomata	82	23.0	12.9	18.0	+1.6	30.0	9	5.0	7	68	9	..	20	25	..
Wellington Airport	6	22.8	15.1	19.0	+1.7	30.6	9	9.8	7	44	8	-22	12	25	..
Kaitoke	223	22.2	11.2	16.7	+1.4	30.4	9	0.2	7	161	12	+9	91	25	218
Wallaceville	56	23.6	12.2	17.9	+1.3	30.5	9	3.0	7	102	7	+11	40	18	227
Cape Egmont	8	22.2	14.4	18.3	+0.9	28.0	23	6.7	7	95	8	+4	27	22	..
Stratford Mountain House	846	19.7	8.8	14.3	+1.4	27.1	9	1.1	7	349	9	-88	101	24	..

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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			
Stratford Dem. Farm	311	..	..	..	..	..	..	..	..	..	..	..	..	..
Manaia Dem. Farm	98	..	..	..	..	..	..	..	..	..	..	..	..	..
Normanby	122	..	12.7	..	..	..	5.5	7	62	10	..	18	22	..
Patea	43	21.8	14.4	18.1	+0.9	29.5	1	7.5	8	84	8	+12	18	25	
Ohakune Junction	629	22.1	10.1	16.1	..	29.0	9	1.5	7	60	8	..	20	24	
Karioi	648	22.8	9.1	16.0	+1.1	29.6	9	0.9	8	60	8	-21	18	24	
Waiouru	823	21.1	8.3	14.7	+1.3	30.5	9	-1.5	7	67	8	-14	27	24	
Waiouru Military Camp	823	20.5	8.4	14.5	+1.4	28.1	9	-0.6	7	68	7	-8	29	24	
Ahu Ahu Valley	85	25.6	11.9	18.8	..	31.2	9	6.2	8	58	9	..	14	19	
Taihape	433	24.8	9.7	17.3	+0.7	35.5	9	0.5	7	64	9	..	27	24	
Kahui, Taihape	518	23.6	10.9	17.3	+0.7	31.8	9	3.2	7	65	8	..	29	24	
Wanganui	22	23.6	14.9	19.3	+1.3	30.0	23	7.7	7	47	7	-17	17	25	
Wanganui Airport	9	23.2	13.8	18.5	..	30.2	23	7.8	7	53	6	..	23	25	
Farewell Spit	3	22.9	13.1	18.0	+1.0	28.0	8	6.8	14	84	7	+5	31	23	
Totaranui	10	23.5	12.9	18.2	..	28.3	2	7.5	6	133	5	..	62	23	
Westport Airport	2	20.3	12.9	16.6	+0.6	24.0	23	7.4	7	164	13	-4	48	25	
Cobb Dam	823	20.7	8.8	14.8	+1.0	26.8	9	1.5	7	248	11	+118	125	23	
Arapito	20	21.5	12.5	17.0	..	24.5	23	8.0	6	175	10	..	87	18	
Lake Rotoroa	443	22.7	9.8	16.3	..	28.8	9	4.5	6	120	10	..	37	18	
Lake Rotoiti	634	22.1	8.9	15.5	+1.0	29.3	9	1.7	6	124	11	+17	53	18	
Hokitika Airport	39	19.7	12.2	16.0	+0.6	26.0	23	6.4	6	142	13	-109	25	25	
Reefton	198	23.1	11.6	17.4	+1.0	28.3	9	6.4	6	112	10	-40	34	23	
Barrytown	30	20.6	13.4	17.0	..	24.0	23	8.0	7	144	11	..	22	17	
Totara Flat	77	23.0	11.0	17.0	+1.0	26.4	25	4.6	7	86	12	-59	25	23	
Greymouth	4	19.8	12.8	16.3	+0.4	24.2	23	7.0	6	150	12	-53	48	26	
Otira Substation	383	20.8	10.5	15.7	..	25.4	9	3.6	6	317	14	-100	76	26	
Springs Junction	421	22.2	9.5	15.9	..	28.3	9	1.5	7	110	9	-60	28	18	
Hari Hari	45	21.3	11.4	16.4	+1.0	26.5	25	3.6	6	352	13	-32	67	18	
Franz Josef	122	..	..	..	..	..	..	..	..	..	..	..	..	..
Fox Glacier	152	20.2	10.7	15.5	..	26.2	23	4.1	6	414	13	-31	93	27	
Milford Sound	3	19.0	9.1	14.1	-0.4	24.0	23	4.2	6	850	16	+281	249	1	
Puysegur Point	43	16.5	10.8	13.7	..	20.0	16	8.0	11	141	21	-60	34	4	
Stephens Island	187	19.5	14.0	16.8	..	..	..	10.2	12	49	10	-4	26	25
Riwaka, Motueka	8	24.6	12.1	18.4	+1.2	29.0	16	5.5	7	149	8	+50	81	23	
Tapawera	146	25.8	10.6	18.2	..	32.4	8	4.3	7	125	7	..	59	23	
Appleby	17	23.8	13.3	18.6	+1.1	31.2	8	7.9	7	86	7	+20	42	23	
Nelson Airport	2	23.6	13.2	18.4	+1.3	30.1	8	7.0	6	66	8	-8	34	23	
Rai Valley	79	24.7	10.7	17.7	+1.3	31.9	15	2.6	16	180	9	+53	61	18	
Moutere Hills	110	24.1	14.3	19.2	+1.5	30.8	15	8.6	7	83	7	+7	39	23	
Blenheim Airport	27	25.3	12.5	18.9	+1.5	33.4	18	6.9	14	57	7	+9	44	23	
Brancott Valley	64	25.4	11.6	18.5	..	32.6	18	6.0	14	49	5	..	35	23	
Blenheim	4	25.2	13.2	19.2	+1.5	31.6	18	6.8	14	43	8	+0	33	23	
Waihopai Power Station	262	25.7	..	..	..	33.0	9	..	..	66	9	+2	47	23
Vernon Lagoons	2	24.2	11.9	18.1	+1.5	33.3	18	5.3	14	37	6	..	30	23	
Lake Grassmere	2	22.5	14.4	18.5	+1.3	32.7	17	7.5	7	34	3	-4	30	23	
Cape Campbell	3	21.0	14.7	17.9	+1.5	27.2	17	10.7	7	39	2	-4	35	23	
Hanmer Forest	387	24.9	9.1	17.0	+1.3	34.0	9	1.4	13	18	7	-63	7	23	
Molesworth	893	23.4	6.9	15.2	+1.3	30.6	16	0.1	7	22	6	-24	11	23	
Kaikoura Flats	24	22.7	10.6	16.7	..	32.0	15	5.8	15	25	6	..	20	23	
Kaikoura	108	21.6	13.2	17.4	+1.1	27.7	17	8.9	6	24	5	-40	18	23	
Arthurs Pass	738	18.5	8.6	13.6	..	25.2	9	1.2	6	..	..	..	..	..
Balmoral Forest	198	25.1	10.7	17.9	+1.6	34.4	9	3.5	6	16	5	-35	13	23	
Hawarden	244	25.3	10.7	18.0	..	32.7	15	3.0	6	20	4	..	11	23	
Waiau	137	26.8	10.9	18.9	..	36.2	9	3.5	7	11	3	..	9	23	
The Hermitage, Mt Cook	765	21.2	10.1	15.7	+1.7	28.5	16	0.5	6	324	13	-67	81	18	
Mt John	1027	21.3	10.1	15.7	+2.2	28.0	15	1.0	6	25	5	-21	11	28	
Craigieburn Forest	914	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Coleridge	364	23.5	10.0	16.8	+1.3	32.1	15	3.2	6	38	9	-23	11	5	
Highbank Power Station	336	22.7	10.4	16.6	+1.2	33.0	15	4.8	21	39	10	-42	10	23	
Hororata Substation	192	25.6	9.4	17.5	+1.4	36.2	15	1.4	6	19	14	-47	8	23	
Winchmore	160	23.9	11.0	17.5	+1.9	36.3	15	3.6	21	32	9	-32	16	5	
Peel Forest	274	23.8	9.3	16.6	..	35.8	15	1.4	6	49	13	..	13	5	
Ashburton	101	25.1	11.4	18.3	+1.7	38.5	15	3.7	6	36	8	-30	20	5	
Waipara	64	26.1	12.2	19.2	..	35.6	9	5.1	6	15	4	..	13	23	
Ashley Forest	107	24.0	11.4	17.7	+1.5	35.8	15	5.1	6	20	5	-46	15	23	
Rangiora	46	24.2	10.2	17.2	+1.1	36.3	15	5.2	6	23	6	-28	19	23	
Darfield	195	25.7	10.6	18.2	+1.7	35.8	15	3.5	6	17	8	-49	9	23	
Eyrewell Forest	158	24.5	10.0	17.3	+1.2	36.2	15	..	..	20	6	-54	14	23
Christchurch Airport	30	23.9	11.3	17.6	+1.1	36.9	15	2.8	6	24	5	-19	21	23	
Templeton	46	24.0	11.0	17.5	..	36.6	15	3.2	6	14	3	..	13	23	
Christchurch	7	23.9	12.1	18.0	+1.2	37.0	15	4.2	6	29	4	-17	18	23	
Bromley, Christchurch	9	23.1	13.3	18.2	+1.7	34.5	15	6.0	6	24	4	-22	20	23	
Mt Pleasant	137	23.0	13.6	18.3	+1.8	33.5	15	5.8	6	27	4	-21	23	23	
Lincoln	11	23.7	11.0	17.4	+1.0	37.0	15	2.7	6	16	5	-40	12	23	
Akaroa	3	23.9	11.7	17.8	..	32.5	1	5.0	13	28	3	..	20	23	
Lake Tekapo	683	22.5	10.1	16.3	+1.1	30.0	15	2.5	6	19	5	-24	8	28	
Lake Pukaki	556	23.2	10.6	16.9	+1.2	30.8	15	1.3	6	30	8	..	13	28	

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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			
Fairlie	304	24.3	8.9	16.6	..	38.5	15	3.3	6	27	5	..	14	5	..
Twizel	457	24.4	9.3	16.9	+1.8	31.7	15	-0.8	6	29	8	..	12	28	..
Ikawai	70	22.6	10.0	16.3	+1.7	35.0	15	3.0	6	32	5	..	17	28	..
Geraldine	119	24.8	10.9	17.9	..	36.4	15	3.0	6	44	8	..	24	5	..
Orari Estate	81	24.4	10.7	17.6	+2.3	37.0	15	2.9	6	34	7	-40	17	5	..
Temuka	24	23.6	10.6	17.1	+1.7	37.4	15	3.3	6	33	7	-31	13	5	..
Timaru Airport	26	23.7	10.4	17.1	+1.7	37.7	15	3.0	6	32	9	-26	10	28	..
Adair	85	23.2	11.2	17.2	+1.8	36.9	15	5.3	6	47	10	-11	19	28	..
Timaru	17	22.4	11.8	17.1	+1.4	36.6	15	3.7	6	41	8	-17	16	28	195
Waimate	61	22.9	11.2	17.1	+1.2	36.5	15	4.2	6	60	9	-4	33	28	..
Kurow	207	24.5	11.2	17.9	..	34.8	15	5.7	6	26	8	..	11	5	..
Oamaru Airport	30	21.6	11.0	16.3	+1.6	34.3	15	5.5	6	17	6	-36	7	5	185
Tara Hills, Oamarua	488	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Hawea	350	21.7	10.8	16.3	-0.4	27.1	15	3.7	6	62	11	+1	14	5	..
Wanaka	296	24.2	10.6	17.4	+0.8	29.5	15	3.2	6	70	10	+17	13	5	..
Queensberry	277	24.7	11.7	18.2	..	31.1	15	2.4	6	37	8	..	13	18	..
Bendigo	200	25.7	11.8	18.8	..	33.4	15	4.2	6	27	9	..	10	18	..
Naseby Forest	610	22.6	7.8	15.2	+1.8	29.9	15	-0.3	13	41	6	-20	23	5	..
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ranfurlly	427	23.7	9.4	16.6	..	31.5	15	0.6	13	21	5	..	12	5	206
Herbert Forest	61	22.0	9.9	16.0	+1.7	31.8	15	3.1	6	34	9	-18	13	28	..
Palmerston	21	21.7	10.1	15.9	+2.0	31.3	17	3.9	6	34	7	..	14	28	172
Cherry Farm Hospital	6	21.0	10.2	15.6	+1.4	30.0	17	4.5	6	41	11	-2	19	28	..
Taiaroa Head	72	18.3	11.7	15.0	+1.1	27.6	17	8.2	21	44	10	-2	13	18	..
Invermay, Taieri	30	21.3	10.1	15.7	..	30.7	15	3.9	21	47	12	..	10	1	185
Berwick Forest	18	21.3	10.3	15.8	+1.4	30.7	9	3.0	21	40	9	-21	14	1	..
Dunedin Airport	1	21.5	9.2	15.4	+1.0	30.4	15	1.1	13	50	10	+2	17	1	175
Musselburgh, Dunedin	2	20.0	11.9	16.0	+1.0	28.6	15	6.7	21	48	11	-13	11	1	164
Te Anau	215	19.8	9.4	14.6	+0.7	25.0	23	3.1	3	132	11	+48	29	28	195
West Arm, Manapouri	232	18.4	9.5	14.0	+0.1	23.0	24	5.0	3	358	15	..	61	8	..
Borland Burn	183	20.3	7.9	14.1	..	26.0	17	1.5	13	119	16	..	23	9	..
Queenstown	329	22.8	10.5	16.7	+1.1	29.7	15	4.5	6	106	9	+40	28	1	208
Queenstown Airport	349	21.1	9.3	15.2	+0.6	27.9	15	3.0	13	81	7	+24	24	1	..
Otama	183	20.6	9.3	15.0	..	27.2	9	3.0	13	104	12	+38	42	1	..
Cromwell	213	25.4	11.6	18.5	+1.3	32.8	15	4.1	6	31	11	-5	13	18	244
Northburn	210	25.1	11.3	18.2	..	32.0	15	3.9	6	29	9	..	13	18	..
Lauder	370	24.1	9.6	16.9	..	31.4	15	1.9	6	25	9	..	12	5	..
Clyde Dam	160	24.8	11.2	18.0	..	32.8	15	6.2	13	29	9	..	12	18	..
Ophir	305	24.3	9.0	16.7	+1.2	31.1	15	0.5	6	24	5	-19	11	18	..
Moa Creek	427	23.9	7.6	15.8	+1.5	31.0	15	0.1	6	30	8	-11	12	5	..
Earnsclough	152	25.4	10.2	17.8	+1.9	35.2	15	2.3	13	24	8	-14	10	18	..
Alexandra	141	24.7	11.4	18.1	+1.3	33.4	15	5.0	13	19	9	-19	9	18	238
Roxburgh Power Station	110	24.5	9.2	16.9	+0.9	34.0	15	4.5	3	30	8	-13	9	5	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	22.5	9.2	15.9	..	30.2	9	3.0	13	61	14	-10	16	1	..
Mahinerangi Dam	396	19.4	8.1	13.8	+0.9	26.6	15	2.0	13	67	9	-12	22	1	..
Tapanui	226	20.6	9.0	14.8	+0.5	27.5	9	2.4	13	83	12	+12	25	1	..
Taiari Mouth	15	19.5	9.9	14.7	+1.3	29.1	9	3.3	13	47	9	-19	19	1	..
Tuatapere	27	20.3	8.7	14.5	..	26.0	9	3.2	13	107	12	..	21	4	..
Otautau	55	20.4	8.4	14.4	+0.5	26.9	16	2.8	3	104	13	+23	20	9	191
Winton	44	20.1	8.4	14.3	-0.1	26.5	26	1.6	13	96	10	+35	22	9	193
Gore	123	20.0	9.4	14.7	+0.3	27.0	9	2.5	13	117	13	..	37	1	187
Hokonui Forest	46	21.0	8.5	14.8	+0.3	27.0	26	0.9	13	101	11	+20	30	1	..
Woodlands	47	20.1	8.8	14.5	+0.4	25.7	26	1.5	13	92	21	..	19	1	..
Invercargill Airport	0	19.3	9.2	14.3	+0.8	26.1	9	2.1	13	83	14	+4	20	9	188
Tiwai Point, Bluff	5	18.4	10.9	14.7	+0.2	25.6	27	5.4	13	66	13	..	16	9	..
Stewart Island	3	17.9	10.0	14.0	..	25.8	9	4.2	13	89	22	..	30	8	..
Milton	18	21.4	9.4	15.4	+0.9	29.4	9	1.0	13	57	11	-1	24	1	..
Finegand, Balclutha	6	20.8	9.9	15.4	+1.1	29.9	9	3.4	13	82	10	..	41	1	181
Owaka	5	19.6	8.7	14.2	..	28.8	9	1.0	13	93	14	..	44	1	..
Nugget Point	129	17.9	9.7	13.8	+0.6	28.2	9	5.5	13	91	22	+25	39	1	..
Tautuku	61	19.0	9.6	14.3	..	28.6	9	3.5	13	88	17	..	27	1	..
Nandi Airport, Fiji	19	31.5	22.8	27.2	+0.0	34.0	13	20.4	21	203	20	..	68	11	196
Rarotonga Airport	7	29.5	23.1	26.3	+0.3	31.6	22	19.8	14	234	17	+26	42	24	209
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Island	38	25.5	21.2	23.4	+1.0	27.8	14	17.6	18	242	22	+87	69	1	128
Campbell Island	15	12.0	6.9	9.5	+0.3	16.4	27	1.4	18	141	25	+27	23	16	78
Waitangi, Chatham Island	44	17.9	12.2	15.1	+0.3	21.0	1	7.0	22	39	13	-25	18	6	146
Scott Base, Antarctica	16	-6.4	-13.2	-9.8	+0.8	+0.4	3	-26.3	28	..	..	..	..	..	..

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for February 1982—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	°C	mm	mm	mm	mm	Hrs		
LATE RETURNS AND CORRECTIONS															
Waiotemarama 01/1982	229	22.5	13.8	18.2	..	25.1	31	10.2	21	29	6	..	15	23	..
Dargaville 01/1982	20	24.3	13.6	19.0	+0.7	28.0	17	7.1	21	33	7	-33	15	23	275
Warkworth 01/1982	72	24.3	13.4	18.9	+0.8	27.9	27	8.8	21	56	10	..	38	3	..
Opotiki 01/1982	6	23.1	13.8	18.5	+0.3	25.5	28	6.7	25	25	8	-64	8	1	262
Port Taharoa 01/1982	27	23.0	15.8	19.4	+0.9	25.6	14	10.6	8	58	..	..	..	..	..
Mangamutu, Pahiatua 12/1981	116	22.0	12.0	17.0	+1.5	27.0	27	5.4	13	119	15	-5	37	31	..
Mangamutu, Pahiatua 01/1982	116	21.6	9.9	15.8	-0.9	27.9	17	3.6	20	88	11	-6	46	22	..
Ngamu Forest 01/1982	244	22.6	10.6	16.6	+0.7	30.2	12	4.0	29	34	6	-40	18	7	..
Tauherenikau, Alloa 01/1982	43	23.2	12.1	17.7	+0.5	30.8	12	6.0	21	37	12	-39	11	19	..
Whararata Forest 01/1982	439	21.7	12.2	17.0	..	30.8	13	6.8	21	112	10	..	49	19	..
Frasertown, Wairoa 01/1982	8	26.1	13.7	19.9	+1.1	34.5	13	8.2	21	48	4	-54	40	19	..
Kapiti Island 09/1981	16	13.8	8.3	11.1	+0.1	15.8	25	5.4	1	55	14	-29	16	24	..
Kapiti Island 10/1981	16	..	..	..	..	..	..	..	..	94	15	-5	25	24	..
Kapiti Island 11/1981	16	17.6	11.1	14.4	+0.4	21.4	29	7.4	11	77	14	-7	39	7	..
Kapiti Island 12/1981	16	20.1	14.5	17.3	+1.4	24.7	30	11.6	19	72	13	-14	12	19	..
Kapiti Island 01/1982	16	21.1	14.5	17.8	+0.8	24.2	15	11.7	10	12	6	-59	4	7	..
Kairanga Palmerston North 12/1981	15	21.9	12.8	17.4	+1.6	25.6	30	4.6	12	86	12	..	29	31	182
Kairanga Palmerston North 01/1982	15	22.1	11.9	17.0	+0.0	26.9	17	3.8	20	47	11	..	18	22	222
Gracefield, Lower Hutt 01/1982	34	21.0	14.3	17.7	+0.7	24.6	12	9.1	29	18	6	-63	4	7	..
Kahui, Taihape 12/1981	518	21.6	11.7	16.7	+2.4	25.9	26	6.2	4	96	10	..	26	21	..
Kahui, Taihape 01/1982	518	21.1	10.3	15.7	-0.3	26.9	12	4.6	20	33	8	..	9	22	..
Wanganui Airport 01/1982	9	22.2	13.7	18.0	..	25.6	27	7.2	29	37	10	..	24	22	..
Hari Hari 01/1982	45	19.4	10.2	14.8	-0.2	23.6	12	3.1	24	645	14	+305	233	26	..
Puysgur Point 01/1982	43	15.5	10.2	12.9	..	19.0	31	6.5	5	285	27	+89	74	13	..
Tapawera 01/1982	146	23.9	9.8	16.9	..	31.2	12	4.2	8	40	10	..	27	22	..
Waihopai Power Station 01/1982	262	24.3	10.3	17.3	+0.2	31.1	13	4.0	25	46	8	-23	20	22	..
Craigieburn Forest 11/1981	914	15.6	4.6	10.1	+0.6	21.6	5	0.3	9	134	19	-6	20	19	..
Craigieburn Forest 12/1981	914	19.0	8.5	13.8	+2.2	24.5	14	1.5	12	118	21	-1	33	9	..
Craigieburn Forest 01/1982	914	19.5	6.4	13.0	-0.1	27.8	17	2.2	7	149	18	+47	44	3	..
Ashley Forest 01/1982	107	22.1	11.3	16.7	+0.5	32.3	13	7.1	21	26	5	-38	12	7	215
Eyrewell Forest 01/1982	158	23.6	10.5	17.1	+0.9	32.4	13	5.3	21	23	7	-53	12	7	..
Moa Creek 01/1982	427	..	..	..	..	..	..	..	..	34	9	-19	6	21	..
Nandi Airport, Fiji 01/1982	19	31.6	23.1	27.4	+0.3	34.4	14	20.4	5	545	21	..	88	29	171
Totokoitu, Rarotonga 01/1982	9	29.6	23.6	26.6	..	31.0	22	21.0	29	99	15	..	26	14	..
Campbell Island 01/1982	15	11.9	6.0	9.0	-0.3	14.2	4	0.9	6	162	27	+38	30	12	113

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 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 NEW ZEALAND WEATHER IN FEBRUARY 1982

General—February was a warm, dry month with close to average sunshine.

In the north of the country, north-easterly winds were most frequent, which is usual for February, though the winds were generally lighter than normal. North-westerly winds predominated in the south, which had more strong winds than usual. Pressures were slightly higher than average except in the north of the North Island.

Farmers in many areas suffered feed shortages and began feeding out early due to drought or near-drought conditions in areas of low rainfall this month. Although rainfall at the end of the month eased these conditions, rising facial eczema spore counts began causing some concern, particularly in areas which were affected last year. A frost in some inland areas of the North Island on the 7th caused local crop damage.

The low rainfall and high temperatures led to many scrub and bush fires this month and extensive fire bans were imposed.

Rainfall—Most of the country was drier than normal this month, with eastern areas north of Dunedin in the South Island and central areas in the North Island being particularly dry. Areas having rainfall totals above normal this month were Northland, Coromandel, Bay of Plenty, East Cape, Gisborne, Manawatu and south Wairarapa in the North Island and Blenheim, south Westland, Fiordland, Southland and parts of Otago in the South Island.

During the first 18 days of this month much of New Zealand had little or no rainfall and, following the generally dry conditions of January, extensive areas with drought or near drought conditions developed. This included many of those areas that showed near or above normal totals by the end of the month as a consequence of heavy rainfalls from the 18th onwards. Many parts of the country had little significant rain between late December and the falls on the 18th or 22nd–23rd of February.

Temperature—The effects of the lack of rainfall this month were accentuated by temperatures that were, on average, 1°C above normal over the whole country.

Some high temperatures were recorded in central and southern parts of the North Island on the 9th. These included 32.8°C at Palmerston North and 30.4°C in Waiouru, (respectively the highest temperatures since recording began in 1962) 29.6°C at Karioi Forest (the second highest since 1930) and 30.1°C in Kelburn, Wellington—a temperature only equalled once and exceeded once, since 1870.

Temperatures above 30.0°C were recorded in many parts of the South Island on several days this month, but particularly high temperatures were reached in parts of Otago and Canterbury on the 15th. These included 38.5°C at Ashburton 37.7°C at Timaru Airport, 37.4°C at Temuka, 36.9°C at Christchurch Airport, 36.3°C at Winchmore and 35.2°C at Earnscleugh. In many cases these temperatures have only been exceeded by the record temperatures of February 1973.

There was a cold spell on the 5th and 6th, with frost recorded in some central North Island areas and fresh snow to 1500 m on Mt Egmont and 1000 m on some South Island ranges.

Sunshine—Sunshine totals were close to normal this month for most of the country. Those areas with greatest departures were: Christchurch Airport (+40 hours), Wellington (+39 hours), Timaru (+31 hours), Gisborne (–29 hours), and Rotorua (–16 hours).

THE WEATHER SEQUENCE, FEBRUARY 1982

1st–7th February

During the first week of February the weather was strongly influenced by the passage of a series of anticyclones across the country, bringing fine weather to most districts through most of the week. Eastern areas had rain at times between the 2nd and 4th as a deep depression, formerly tropical cyclone "Hettie", moved south-eastwards down the coast of New Zealand. On the 5th a front within a trough crossed the country and brought rain to most districts, with some heavy falls in the north and north-east of the North Island and south of the South Island. This had cleared from most areas by the 6th and an anticyclone in the western Tasman Sea began to extend a ridge over the country bringing settled weather to most districts on the 7th.

8th–14th February

The anticyclone which lay in the Tasman Sea at the end of the first week moved slowly eastward onto the country between the 8th and 10th, bringing fine warm weather, with temperatures above 30°C in many places on the 9th. There were showers at times in southern and south-western areas as a front within a westerly flow passed to the south of the country. This had moved away by the 12th and a belt of high pressure lay across the country, with centres to the east and west. The whole country had warm, dry weather for the last two days of this week.

15th–21st February

The anticyclone remained over New Zealand and fine, warm conditions continued, although a cold front associated with a depression near Macquarie Island brought rain to Westland and Fiordland on the 17th. The anticyclone weakened and moved east on the 18th and a cold front moved onto the country bringing rain to western and southern areas of both Islands. Rain became more widespread as a series of fronts within a trough moved across the country. By the 20th rain had cleared from most areas except the north and east of the North Island. Temperatures were cool. On the 21st an anticyclone moved onto southern New Zealand bringing fine but cool weather to most districts, although parts of the north and east of the North Island had light rain due to the cold front which remained to the north-east.

22nd–28th February

The cold front to the north-east intensified during the 22nd, bringing heavy rain to much of the North Island. A depression developed on this front, which, by the 23rd, covered much of the North Island and rain became widespread, apart from southern and western areas, over the next two days. An intensive anticyclone developed near Chatham Island during the 24th, maintaining a northerly flow over the country. The frontal system continued to develop within this flow, with most parts of the country having rain at times until the 27th, when there was a general clearance in the weather. There were some showers in Fiordland and Southland on the 27th as a front associated with a depression in the Southern Tasman Sea lay off Westland. Showers spread northward as this front moved onto the South Island during the 28th.

J. S. HICKMAN, Director.

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

