



SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 12 MARCH 1981

Published by Authority

WELLINGTON: TUESDAY, 17 MARCH 1981

CLIMATOLOGICAL TABLE FOR JANUARY 1981

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for January 1981—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	Hrs		
Normanby	122	22.3	12.8	17.6	..	25.5	16	4.7	9	48	12	..	13	13	..
Patea	43	21.9	14.6	18.3	+1.2	27.0	19	6.5	9	28	3	-66	15	13	..
Ohakune Junction	629	22.8	..	..	..	25.8	15	..	..	81	11	..	29	15	..
Karioi	648	23.4	10.9	17.2	+2.5	26.7	10	3.6	9	37	9	-37	15	17	..
Waiouru	823	21.7	10.0	15.9	+2.6	25.3	27	0.8	9	84	10	+8	27	12	..
Waiouru Military Camp	823	21.0	10.0	15.5	+2.6	25.5	10	1.9	9	87	12	+8	24	12	..
Taihape	433	24.5	12.2	18.4	+2.0	27.6	10	3.3	9	58	11	..	31	12	..
Kahui, Taihape	518	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wanganui	22	24.1	14.8	19.5	+1.8	28.2	20	7.8	9	41	6	-28	36	12	243
Wanganui Airport	9	23.5	14.3	18.9	..	27.7	20	6.1	9	21	5	..	16	12	..
Farewell Spit	3	22.6	14.0	18.3	+1.6	27.0	26	6.4	9	31	4	-43	11	19	..
Totaranui	10	24.3	13.6	19.0	..	27.9	10	8.5	9	59	5	..	39	20	..
Westport Airport	2	21.2	12.9	17.1	+1.4	25.1	22	7.5	8	72	12	-83	20	19	257
Cobb Dam	823	21.7	9.6	15.7	+2.7	27.0	26	3.2	9	60	6	-57	41	19	..
Arapito	20	21.5	12.4	17.0	..	25.6	19	6.9	11	73	11	..	23	28	235
Karamea	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Rotoroa	443	24.7	10.8	17.8	..	30.1	23	4.4	9	21	9	..	7	19	..
Lake Rototoi	634	24.1	10.0	17.1	+2.8	30.0	16	3.5	9	14	9	-83	3	30	..
Hokitika Airport	39	20.0	11.8	15.9	+0.8	24.8	19	5.7	8	100	13	-131	33	29	261
Reefton	198	25.1	11.5	18.3	+2.1	30.6	18	5.2	9	45	9	-105	11	19	..
Barrytown	30	20.3	13.1	16.7	..	24.0	19	9.0	9	126	12	..	45	29	..
Totara Flat	77	24.4	10.9	17.7	+1.8	29.4	18	3.9	9	59	11	-86	19	20	..
Greymouth	4	20.3	12.5	16.4	+0.7	26.5	13	5.7	8	116	14	-82	53	29	247
Otira Substation	383	22.1	9.4	15.8	..	30.0	18	1.5	8	227	12	-172	80	29	..
Springs Junction	421	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hari Hari	45	22.0	10.7	16.4	+1.4	26.8	19	2.0	8	132	12	-208	39	29	..
Franz Josef	122	21.1	10.9	16.0	+1.2	26.0	18	3.5	8	224	10	-233	46	4	..
Fox Glacier	152	20.6	10.8	15.7	..	25.7	17	3.4	8	194	11	-211	40	20	..
Milford Sound	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puyssegur Point	43	16.1	11.1	13.6	..	22.5	22	8.0	31	86	22	-110	16	4	..
Stephens Island	187	19.3	13.7	16.5	..	23.1	26	10.0	8	39	9	-17	14	12	..
Riwaka, Motueka	8	24.4	13.0	18.7	+1.7	28.6	24	6.9	9	43	5	-31	24	19	280
Tapawera	146	26.9	11.4	19.2	..	32.9	26	5.1	9	13	3	..	8	19	..
Appleby	17	24.2	13.9	19.1	+1.7	29.5	28	7.5	9	28	3	-36	15	20	..
Nelson Airport	2	24.1	14.0	19.1	+2.1	29.1	3	7.8	9	44	4	-30	34	20	286
Rai Valley	79	24.9	11.0	18.0	+1.5	29.5	26	2.7	9	54	5	-81	40	20	..
Moutere Hills	110	25.0	14.8	19.9	+2.6	30.3	24	9.2	9	29	4	-45	13	19	..
Blenheim Airport	27	25.8	13.6	19.7	+2.3	33.4	27	6.1	9	9	4	-44	7	20	..
Blenheim	4	25.8	13.8	19.8	+2.2	33.4	16	6.0	9	9	4	-42	7	20	257
Waihopai Power Station	262	26.5	12.9	19.7	+2.6	34.0	16	5.5	9	25	4	-44	12	20	..
Vernon Lagoons	2	24.7	12.5	18.6	+1.8	32.2	16	5.0	9	7	3	..	6	20	250
Lake Grassmere	2	23.4	14.7	19.1	+2.0	..	..	..	..	4	3	-44	1	30	244
Cape Campbell	3	20.6	14.4	17.5	+1.6	24.0	27	10.2	8	6	4	-42	3	7	..
Hanmer Forest	387	24.9	10.0	17.5	+1.9	31.5	11	1.5	8	11	6	-75	5	30	238
Molesworth	893	24.9	7.9	16.4	+2.3	29.6	11	-0.1	9	5	2	-48	4	20	..
Kaikoura	108	20.9	13.8	17.4	+1.4	30.6	5	8.8	8	27	11	-42	10	30	249
Arthurs Pass	738	20.0	9.0	14.5	..	27.1	18	0.0	8	98	7	-212	33	29	..
Balmoral Forest	198	25.3	12.1	18.7	+2.4	33.0	16	4.0	9	7	6	-39	4	20	..
Hawarden	244	25.2	11.3	18.3	..	33.2	22	3.0	8	5	5	..	2	19	..
Waiau	137	26.4	11.9	19.2	..	35.2	16	4.8	8	18	8	..	4	13	..
The Hermitage, Mt Cook	765	22.0	10.7	16.4	+2.3	27.0	10	1.1	8	155	11	-246	59	4	183
Mt John	1027	21.5	..	..	..	28.3	18	..	..	29	5	-22	21	20	..
Craigieburn Forest	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Coleridge	364	23.8	10.7	17.3	+1.8	31.7	16	3.8	8	36	7	-25	26	20	..
Highbank Power Station	336	22.0	10.1	16.1	+0.7	30.0	11	5.3	8	47	11	-42	17	20	226
Hororata Substation	192	24.8	10.1	17.5	+1.5	34.9	11	4.4	9	39	13	-32	12	20	..
Winchmore	160	23.6	10.0	16.8	+1.2	33.1	11	5.7	8	33	12	-28	11	20	..
Peel Forest	274	22.5	9.9	16.2	..	31.2	11	3.0	8	69	18	..	24	7	..
Ashburton	101	25.1	11.3	18.2	+1.5	34.2	11	6.6	8	30	9	-34	10	12	197
Waipara	64	25.4	12.0	18.7	..	34.5	11	6.2	8	16	7	..	9	7	..
Ashley Forest	107	22.1	11.4	16.8	+0.6	30.7	27	6.3	9	21	6	-43	9	7	235
Rangiora	46	23.0	11.7	17.4	+0.9	32.0	23	5.5	7	33	10	-15	18	20	..
Darfield	195	25.4	11.0	18.2	+1.7	34.5	16	6.2	9	35	9	-34	19	20	..
Eyrewell Forest	158	23.8	11.0	17.4	+1.2	33.6	11	4.0	9	53	9	-23	30	20	..
Christchurch Airport	30	23.6	12.5	18.1	+1.5	33.4	23	7.2	7	14	8	-32	8	20	258
Templeton	46	24.0	11.9	18.0	..	33.0	16	6.5	9	36	7	..	19	20	..
Christchurch	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bromley, Christchurch	9	22.4	13.9	18.2	+1.4	30.5	5	9.0	9	17	9	-31	7	20	..
Mt Pleasant	137	22.0	13.3	17.7	+1.5	29.7	5	7.2	8	25	9	-23	6	20	..
Lincoln	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Akaroa	3	23.6	11.9	17.8	..	30.2	5	7.8	9	23	2	..	17	7	..
Lake Tekapo	683	23.3	10.2	16.8	+1.5	29.5	16	2.0	8	20	4	-31	12	21	279
Lake Pukaki	556	23.5	10.0	16.8	+2.0	30.5	16	2.8	8	22	5	..	13	20	..
Fairlie	304	21.8	8.8	15.3	..	33.2	11	1.9	8	26	8	..	9	29	..
Twizel	457	25.1	8.2	16.7	+1.1	32.0	16	0.0	8	24	5	..	8	20	..
Ikawai	70	22.1	9.9	16.0	+0.9	32.0	11	3.0	8	17	4	..	7	20	..
Geraldine	119	23.0	11.0	17.0	..	33.3	11	4.5	8	44	13	..	12	20	..

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		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Orari Estate	81	22.8	10.7	16.8	+0.8	33.9	27	4.2	8	42	13	-32	16	20	..
Temuka	24	22.4	10.6	16.5	+0.9	34.5	27	5.0	9	31	10	-30	11	20	..
Timaru Airport	26	21.8	10.4	16.1	+0.6	34.7	27	4.2	8	36	11	-22	11	12	..
Adair	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timaru	17	21.8	11.8	16.8	+0.8	34.5	27	5.0	8	42	11	-16	14	29	196
Waimate	61	22.2	11.3	16.8	+0.8	32.3	27	4.9	8	28	9	-33	8	7	..
Kurów	207	24.1	11.0	17.6	..	32.6	11	4.4	8	28	8	..	11	12	..
Oamaru Airport	30	20.9	11.0	16.0	+1.0	32.9	27	2.8	8	16	5	-42	8	7	184
Tara Hills, Omarama	488	24.8	9.6	17.2	+1.4	31.7	16	2.5	8	29	5	-35	14	12	235
Lake Hawea	350	23.0	12.6	17.8	+0.9	28.1	16	4.2	8	37	4	-32	23	20	..
Wanaka	296	25.7	11.8	18.8	+2.1	31.8	16	3.1	8	19	4	-39	10	4	..
Queensberry	277	25.7	12.3	19.0	..	32.1	16	4.2	8	19	7	..	11	4	..
Bendigo	200	26.6	11.9	19.3	..	33.1	16	4.2	8	12	7	..	5	4	..
Naseby Forest	610	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ranfurly	427	23.9	8.3	16.1	..	32.0	11	0.0	8	16	6	..	7	8	186
Herbert Forest	61	21.2	10.0	15.6	+0.8	34.1	27	3.0	8	21	8	-43	8	7	..
Palmerston	21	21.4	9.0	15.2	+0.7	32.0	27	3.5	14	17	7	..	7	7	175
Cherry Farm Hospital	6	20.3	9.2	14.8	+0.4	32.2	27	4.3	8	15	8	-43	5	7	..
Taiaroa Head	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invermay, Taieri	30	20.4	9.3	14.9	..	31.2	27	3.4	14	13	6	..	4	20	172
Berwick Forest	18	21.4	9.3	15.4	+0.8	32.2	27	4.9	14	14	7	-62	5	7	..
Dunedin Airport	1	21.2	8.5	14.9	+0.3	31.5	27	3.5	14	39	7	-22	27	23	179
Musselburgh, Dunedin	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Anau	215	21.0	9.8	15.4	+1.4	29.2	18	1.3	8	57	7	-32	24	4	189
West Arm, Manapouri	232	18.6	9.9	14.3	+0.4	25.0	14	4.0	8	292	15	..	82	27	..
Borland Burn	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	24.4	11.7	18.1	+2.2	29.9	16	4.2	8	30	6	-44	17	4	211
Queenstown Airport	349	23.1	10.5	16.8	+1.4	29.0	16	6.3	8	24	5	-44	15	4	..
Otama	183	21.2	9.7	15.5	..	28.1	27	4.0	8	29	11	-45	6	20	..
Cromwell	213	25.7	12.0	18.9	+1.3	32.5	11	4.0	8	10	4	-33	5	4	242
Northburn	210	25.7	11.6	18.7	..	32.1	18	4.5	8	10	5	..	5	4	..
Clyde Dam	160	25.4	11.5	18.5	..	32.1	16	4.5	8	15	8	..	5	4	..
Ophir	305	24.9	9.0	17.0	+1.1	31.4	16	-0.5	7	8	2	-45	6	20	..
Moa Creek	427	24.8	8.2	16.5	+1.8	30.5	16	-1.5	8	8	2	-45	7	20	..
Earnsclough	152	25.6	10.5	18.1	+1.8	31.7	18	1.7	8	11	6	-35	4	4	..
Alexandra	141	25.2	11.9	18.6	+1.4	31.7	18	4.0	8	13	6	-33	6	12	212
Roxburgh Power Station	110	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mahinerangi Dam	396	19.1	8.1	13.6	+0.5	27.2	27	2.5	8	27	8	-70	13	7	..
Tapanui	226	19.9	8.8	14.4	-0.2	28.5	27	3.5	8	31	8	-58	11	7	..
Rankleburn Forest	255	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taieri Mouth	15	18.7	9.4	14.1	+0.6	31.3	27	4.9	8	16	6	-63	8	7	..
Tuatapere	27	20.5	9.7	15.1	..	27.0	4	4.0	8	40	12	..	10	6	..
Otautau	55	20.2	9.2	14.7	+0.7	26.7	27	3.8	17	49	12	-42	11	6	160
Winton	44	20.3	9.3	14.8	+0.3	26.4	10	4.7	8	35	8	-29	6	27	163
Gore	123	19.2	9.4	14.3	-0.4	26.4	27	5.2	8	35	17	..	7	27	153
Hokonui Forest	46	20.5	8.6	14.6	-0.1	28.5	18	4.4	18	52	13	-34	12	27	..
Woodlands	47	19.6	9.1	14.4	+0.6	26.0	18	3.8	17	73	25	..	13	27	..
Invercargill Airport	0	18.4	9.5	14.0	+0.3	25.2	27	3.8	31	59	15	-30	10	7	162
Tiwai Point, Bluff	5	18.0	10.6	14.3	+0.1	24.7	4	5.2	6	78	16	..	20	5	..
Stewart Island	3	17.1	9.5	13.3	..	23.2	27	..	..	138	21	..	32	25	..
Milton	18	20.4	8.9	14.7	+0.1	30.9	27	3.9	14	7	7	-62	3	2	..
Finegand, Balclutha	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Owaka	5	19.1	9.0	14.1	..	28.7	27	4.0	14	34	13	..	7	5	..
Nugget Point	129	17.4	9.8	13.6	+0.3	28.7	27	5.2	8	32	20	-42	7	20	..
Tautuku	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nandi Airport, Fiji	19	34.5	23.1	27.3	..	34.1	19	20.7	1	595	19	..	118	14	220
Rarotonga Airport	7	28.9	22.3	25.6	-0.2	31.4	10	17.0	26	214	25	-45	67	28	183
Totokoitu, Rarotonga	9	28.2	23.4	25.8	..	29.9	17	19.6	7	269	24	..	81	28	..
Raoul Island	38	24.4	21.1	22.9	+1.3	25.6	15	15.7	1	176	19	+85	83	10	124
Campbell Island	15	11.2	6.4	8.8	-0.5	13.4	19	2.4	13	142	29	+18	29	27	91
Waitangi, Chatham Island	44	19.1	12.1	15.6	+1.2	22.2	30	6.0	9	19	9	-34	9	20	217
Scott Base, Antarctica	16	-1.4	-8.3	-4.9	+0.2	2.5	21	-15.3	30	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Dargaville 12/1980	20	20.7	12.4	16.6	-0.3	26.0	18	6.6	12	133	14	+54	44	26	166
Kumeu 12/1980	32	21.0	12.4	16.7	..	26.1	4	4.6	4	98	14	..	31	22	..
Port Fitzroy 12/1980	4	21.3	13.7	17.5	-0.1	24.4	18	8.1	12	88	15	-26	37	22	..
Opotiki 12/1980	6	20.7	12.3	16.5	-0.3	24.8	28	7.1	3	123	15	+19	39	23	188
Omata 12/1980	61	19.0	12.4	15.7	-0.4	23.7	24	7.2	12	113	16	..	22	24	..
New Plymouth 12/1980	55	19.7	12.2	16.0	..	24.2	24	7.0	12	122	18	..	20	26	..
Lower Retaruke 09/1980	223	14.4	5.5	10.0	+0.2	19.2	25	-0.5	15	189	21	..	26	13	..
Lower Retaruke 10/1980	223	18.5	7.4	13.0	+1.1	26.1	26	-0.7	14	90	14	..	30	17	..
Lower Retaruke 11/1980	223	17.6	7.8	12.7	-1.0	22.8	19	0.1	11	231	21	..	55	4	..
Lower Retaruke 12/1980	223	21.0	9.6	15.3	-0.2	28.3	15	1.3	12	90	15	..	17	22	..
Esk Forest 12/1980	427	18.8	10.4	14.6	-0.4	31.2	15	1.8	7	541	17	+417	121	26	..
Makaretu 12/1980	335	20.1	9.6	14.9	-0.2	27.3	15	1.0	7	254	18	..	63	27	..

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		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount	Date	
		°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs			
LATE RETURNS AND CORRECTIONS															
Wairoa 12/1980	20	..	12.3	..	..	..	6.2	26	246	17	..	57	26	163
Wharite Peak 12/1980	914	12.3	6.9	9.6	-0.5	18.0	18	1.5	12	257	18	+49	57	23	
Foxton 12/1980	3	..	..	..	..	..	..	..	19	13	-62	6	23	..
Hari Hari 12/1980	45	20.2	9.8	15.0	+0.9	27.8	25	3.4	9	187	17	-113	70	18	
Ashley Forest 12/1980	107	19.5	10.1	14.8	+0.0	27.1	15	4.5	10	56	8	-30	35	21	
Christchurch 11/1980	7	18.3	7.6	13.0	-1.0	26.6	20	3.2	10	67	15	+21	12	16	
Christchurch 12/1980	7	21.0	10.7	15.9	+0.4	29.1	19	3.4	10	32	6	-24	18	8	
Lincoln 12/1980	11	20.3	10.5	15.4	+0.5	29.4	19	1.9	10	29	10	-29	12	21	
Ranfurly 12/1980	427	21.0	7.1	14.1	..	27.3	12	1.1	10	20	8	..	7	21	
Herbert Forest 11/1980	61	16.0	5.6	10.8	-0.7	23.4	21	0.4	10	85	16	-2	26	7	
Tapanui 12/1980	226	20.0	7.8	13.9	+0.4	27.6	14	2.3	1	39	13	-40	7	26	
Winton 12/1980	44	19.1	8.8	14.0	+0.6	27.4	14	2.2	9	27	13	-39	5	15	
Nandi Airport, Fiji 12/1980	19	31.9	21.5	26.7	+0.1	33.2	2	18.2	13	74	8	..	38	24	
Totokoitu, Rarotonga 11/1980	9	27.5	21.8	24.7	..	29.5	13	17.1	2	176	13	..	82	6	
Totokoitu, Rarotonga 12/1980	9	27.5	22.1	24.8	..	31.8	27	18.4	9	878	19	..	462	10	
Campbell Island 11/1980	15	9.1	3.1	6.1	-1.1	12.0	3	-3.4	2	134	29	+27	20	19	
Campbell Island 12/1980	15	10.7	6.2	8.5	-0.1	12.9	22	1.6	1	95	25	-7	19	4	

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.

WEATHER NOTES FOR JANUARY 1981

General—January was a warm month with rainfalls below average except in the north. There was an unusually high frequency of north-easterly winds in the north, the highest at Auckland since 1965. Strong south-westerly winds predominated in the south of the country.

Stock health was reported by most farmers to be good. Grass production in northern districts benefited by the wet mild month, but elsewhere the dry sunny conditions have meant little grass growth.

Gale force winds during the 27th in Otago caused some minor damage in Central Otago. Alexandra reported winds to 45 knots, Taiaroa Head 70 knots, and Nugget Point, 80 knots. Power poles were snapped in Cromwell, flying gravel was reported at Middlemarch, and cross winds at Dunedin Airport caused flight delays.

Rainfall—In Northland, Auckland, Bay of Plenty, and northern Gisborne, where rainfall was above average, some Northland areas had over 50 percent of normal. Over the rest of the country dry conditions were experienced and many districts of both islands had less than 50 percent of the normal January rainfall.

A shallow trough of low pressure in the north-easterly airflow over Northland during 19th and 20th brought localized heavy rain to the far north and east. From 9 a.m. on the 19th to 9 a.m. on the 20th, Glenbervie Forest (Whangarei) recorded 96 mm, 63 mm falling between 9 a.m. and 3 p.m. and 39 mm between 12 noon and 3 p.m. Other sites recorded the following amounts indicating the spatial variety of the rainfall during this 24-hour period: Cape Reinga 72 mm, Warkworth 52 mm, Kaikohe 55 mm, Waipapakauri 32 mm, Waimatenui 50 mm, Matapouri 80 mm, Kaitaia 21 mm, Dargaville 10 mm, Waipoua Forest 27 mm, and Waiotemarama 28 mm.

Below normal rainfall over the South Island made some areas the driest for a number of years. At Musselburgh (Dunedin) 17 mm of rainfall indicated the driest January since records started in 1918, while at Invermay only 13 mm of rain were measured making it the driest January since 1973 when 8 mm were recorded.

Temperatures—Mean temperatures were above average by more than 1°C in the North Island and in eastern and northern areas of the South Island. Some inland districts of both islands and about Nelson were warmer by more than 2°C. The highest recorded temperature of 35.7°C occurred on the 27th at Musselburgh (Dunedin). Consequently it was the highest recorded temperature at this site since records began in 1865.

Sunshine—In most areas sunshine hours were above average but in the far north, the Bay of Plenty, Gisborne, and in the far south and south-west they were below.

DAILY WEATHER SEQUENCE FOR JANUARY 1981

A belt of high pressure predominated over New Zealand for the first 4 days of the month bringing dry settled weather to the country apart from some showers to the south-west of the South Island.

A cold front reached Fiordland late on the 4th accompanied by rain. Heavy falls were measured along the West Coast, but the front was very weak by the time it reached the North Island on the 6th. A ridge of high pressure followed the front, spreading on to Central New Zealand by the 7th. The westerly airflow on the southern side of the ridge brought cool showery conditions to the south-west and south of the country. A weak cold front in westerlies moved along the east coast of both islands on the 8th with a few showers, and by the 9th another belt of high pressure covered New Zealand.

A trough of low pressure on the northern side of the high pressure zone lay near Norfolk Island on the 9th and drifted slowly south-south-west to become almost stationary between Cape Reinga and Lord Howe Island on the 12th. The trough then moved slowly west towards Lord Howe Island. Its associated frontal band spread rain over the North Island on the 12th as the high pressure area moved east of the country.

A cold front over the Tasman Sea on the 11th spread on to the South Island during the 12th bringing rain chiefly to the west and south, and during the 13th merged with the front associated with the trough to lie north of the country.

A high pressure belt covered New Zealand from the 14th to 19th and was accompanied by dry warm weather apart from showers in Northland. On the 19th a shallow trough of low pressure lay over the eastern Tasman Sea. It crossed the country during the 20th bringing rain with localized heavy falls to the Bay of Plenty and the West Coast.

A cold front reached the South Island on the 23rd, weakened as it moved north-east over the country and by the 25th lay east of the North Island. The front brought scattered rain chiefly to the west and south of both islands.

High pressures predominated over the country from the 25th to the end of the month accompanied by mostly dry mild conditions, although there were showers in the west and south of New Zealand on the 28th.

J. S. HICKMAN, Director.

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

