



SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 27 JANUARY 1983

Published by Authority

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CLIMATOLOGICAL TABLE FOR NOVEMBER 1982

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for November 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	Hrs	
Taupiri	23	20.3	10.8	15.6	..	26.6	28	2.7	30	48	13	..	24	11	..
Ohote	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruakura, Hamilton	40	20.2	10.5	15.4	+1.0	24.4	10	2.3	30	32	8	-59	16	11	177
Whatawhata	104	18.8	11.8	15.3	+0.8	22.7	28	5.2	30	34	10	-85	14	11	166
Rukuhia	66	20.5	10.5	15.5	+0.8	24.8	7	3.5	30	38	11	-61	17	11	167
Hamilton Airport	50	20.4	9.6	15.0	+0.9	25.0	7	0.7	30	30	11	-61	18	11	..
Hautapu	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cambridge	76	20.4	10.4	15.4	..	25.8	7	3.0	30	27	10	..	17	11	..
Port Taharoa	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohakatino Station Mokau	46	17.2	12.4	14.8	+0.4	19.5	28	5.8	30	69	13	-78	28	28	..
Arapuni Power Station	123	20.9	10.3	15.6	+0.7	26.5	10	2.5	14	24	11	-93	14	11	..
Waikeria	46	20.4	9.8	15.1	..	25.9	7	1.4	14	30	6	..	23	11	..
Te Kuiti	61	19.9	..	..	..	24.7	7	..	..	55	15	-64	29	11	134
Wairere	122	18.6	10.7	14.7	..	22.6	7	2.9	14	50	16	-82	17	11	..
Pureora Forest	549	16.5	8.4	12.5	+1.0	23.4	7	-0.5	14	82	20	-73	27	11	..
Taumarunui	171	19.9	10.9	15.4	+0.8	26.6	7	2.6	14	62	15	-62	13	11	129
Omata	61	17.2	10.7	14.0	-0.3	19.5	10	6.9	30	81	12	..	23	28	..
New Plymouth	55	17.5	11.7	14.6	..	19.9	11	6.1	16	81	17	..	24	28	..
New Plymouth Airport	27	17.5	11.9	14.7	+1.0	19.5	11	5.6	16	59	17	-58	14	11	137
Tikorangi	77	17.4	11.1	14.3	..	20.4	18	5.0	14	74	22	..	18	26	..
North Egmont	955	13.1	6.0	9.6	..	21.3	7	0.1	30	479	21	..	100	27	..
Te Wera Forest	180	17.5	9.7	13.6	+0.8	23.4	7	2.3	14	123	13	-34	34	11	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	19.2	9.7	14.5	+1.2	26.7	7	-0.5	14	56	11	..	28	11	173
Chateau, Mt Ruapehu	1119	13.7	4.3	9.0	+0.9	20.6	7	-2.8	14	209	17	-53	29	28	..
Mt Bruce Reserve	305	16.9	10.0	13.5	+1.5	21.2	11	1.5	14	207	18	..	36	26	..
Waingawa, Masterton	114	19.7	10.6	15.2	+1.6	23.8	11	4.0	22	52	12	-17	12	29	..
Kopua	311	19.2	11.2	15.2	+2.0	25.4	7	2.0	14	51	10	-20	13	12	..
Waipukurau	137	21.6	10.8	16.2	+2.3	27.6	26	1.3	14	40	7	-13	19	11	180*
Dannevirke	207	19.0	11.5	15.3	+1.7	24.9	11	2.4	14	72	14	-14	16	11	163
Porangahau	8	21.6	12.7	17.2	..	28.1	26	5.0	14	47	7	..	19	11	..
Castlepoint	3	19.5	12.8	16.2	+1.5	24.0	26	6.0	22	32	8	-21	17	12	..
Ngaumu Forest	244	19.5	9.4	14.5	+1.9	28.0	7	2.1	22	38	6	-33	13	29	..
Tauherenikau, Alloa	43	19.8	10.5	15.2	+1.3	23.0	27	1.5	14	64	11	-17	13	18	..
Gladstone, Arahura	116	19.3	9.7	14.5	+1.2	22.5	7	1.8	15	31	7	-27	8	12	..
Waiorongomai	21	17.2	11.4	14.3	+0.8	20.4	18	4.1	22	138	14	+24	33	27	..
Cape Palliser	10	19.9	13.1	16.5	+2.2	26.1	7	6.0	14	49	9	-9	20	11	..
East Cape	17	21.2	13.1	17.2	+1.3	29.1	8	5.6	14	62	6	-22	23	29	..
Ruatoria	61	24.5	11.8	18.2	+2.5	32.5	8	2.8	14	21	6	-93	6	11	..
Mangatu Forest	182	22.5	11.4	17.0	+2.0	31.7	7	2.3	14	40	6	-57	23	29	..
Manutuke Gisborne	9	23.6	11.2	17.4	+2.2	31.7	7	2.6	14	27	6	-34	15	29	..
Gisborne Airport	4	24.2	12.1	18.2	+2.6	32.3	7	4.1	14	38	7	-20	20	29	246
Onepoto, Waikaremoana	643	19.8	9.5	14.7	+2.2	28.0	7	3.0	30	64	7	-83	33	29	..
Wharerata Forest	439	20.8	..	..	..	29.9	8	..	..	74	6	..	45	29	..
Esk Forest	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaweka Forest	414	20.9	11.9	16.4	+2.6	28.0	8	4.5	14	87	8	..	53	29	..
Napier Airport	2	24.0	12.5	18.3	..	31.4	7	3.5	14	40	5	-8	22	12	..
Napier	2	23.7	13.8	18.8	+2.8	31.2	7	4.3	14	42	4	-1	25	12	211
Hastings	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Havelock North	9	23.5	10.5	17.0	+2.5	29.9	7	1.3	14	30	5	-16	14	12	197
Whakatu	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gwavas Forest	335	21.2	9.7	15.5	+2.6	26.6	10	0.2	14	68	7	-8	24	11	..
Makaretu	335	21.1	10.9	16.0	+2.7	27.4	7	0.5	14	48	11	..	15	12	..
Mohaka Forest	286	22.2	11.2	16.7	+2.5	29.8	7	5.0	14	58	6	-39	29	29	..
Frasertown, Wairoa	8	23.7	12.4	18.1	+2.3	31.0	8	6.5	13	67	6	-24	53	29	..
Wairoa	20	23.4	12.0	17.7	+1.9	31.0	8	4.6	14	66	4	..	51	29	235
Kapiti Island	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	16.9	11.9	14.4	+0.6	19.7	11	5.5	14	80	13	-4	36	27	135
Flockhouse, Bulls	9	18.0	11.7	14.9	+1.0	23.1	26	4.8	30	72	12	+1	22	28	..
Ohakea	48	18.3	11.5	14.9	+0.6	23.6	26	4.6	30	59	14	-10	15	28	191
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston North	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston North Airport	45	18.4	..	..	..	24.0	26	..	..	58	11	-16	22	26	..
Palmerston North D S I R	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tiritia	100	17.7	11.0	14.4	..	23.0	26	4.9	14	67	13	..	17	28	..
Waitare Forest	3	17.1	12.2	14.7	+0.5	20.5	26	5.6	14	45	8	-24	14	28	..
Levin	46	16.8	11.6	14.2	+0.3	20.0	26	5.1	30	65	13	-19	23	27	97
Titahi Bay	31	16.5	12.1	14.3	..	19.5	18	6.0	22	69	11	..	18	27	..
Taita, Lower Hutt	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Avalon, Lower Hutt	15	16.8	11.9	14.4	+0.4	19.7	18	5.5	22	109	13	+15	26	11	..
Kelburn, Wellington	125	16.1	11.0	13.6	+0.2	19.2	24	6.0	22	83	10	-1	25	11	161
Somes Island	43	16.2	11.1	13.7	..	18.4	18	8.0	14	87	10	..	29	11	..
Gracefield, Lower Hutt	34	16.5	11.9	14.2	+0.2	19.3	18	7.0	14	96	9	+2	26	27	..
Wainuiomata	82	16.5	11.0	13.8	+0.5	19.1	3	4.7	22	102	12	..	24	27	..
Wellington Airport	6	17.9	12.1	15.0	+0.6	21.0	24	7.4	30	56	9	-13	25	11	..
Rimutaka Forest	40	16.3	10.6	13.5	..	19.3	18	5.4	3	58	9	..	24	11	..
Kaitoke	223	15.7	9.9	12.8	+0.8	19.4	3	2.0	3	227	17	+57	75	27	115

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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	Hrs			
Bromley, Christchurch	9	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Pleasant	137	20.4	10.5	15.5	+1.8	27.6	8	3.2	22	44	6	-2	13	28	
Lincoln	11	21.3	8.8	15.1	+2.0	28.2	25	0.2	22	52	7	-1	17	28	
Akaroa	3	21.4	9.4	15.4	..	27.2	8	1.0	22	68	6	..	19	21	
Lake Tekapo	683	16.8	7.1	12.0	+0.5	23.3	7	0.0	13	92	12	+41	39	18	
Lake Pukaki	556	18.0	7.2	12.6	+0.8	26.0	7	-0.5	30	98	12	..	22	18	
Fairlie	304	20.7	5.9	13.3	..	28.1	10	-1.3	22	100	9	..	40	28	
Twizel	457	18.6	6.6	12.6	+1.3	26.5	7	-1.3	22	86	12	..	19	18	
Ikawai	70	19.9	6.5	13.2	+0.9	28.0	10	-0.5	22	41	8	..	19	28	
Geraldine	119	21.1	7.6	14.4	..	29.5	25	0.2	22	58	9	..	24	28	
Orari Estate	81	20.8	7.4	14.1	+1.0	31.2	25	0.0	22	52	10	-19	20	28	
Temuka	24	20.4	7.5	14.0	+1.2	29.5	25	1.0	21	88	8	+24	25	28	
Timaru Airport	26	20.3	7.4	13.9	+1.4	29.8	25	0.9	22	63	8	+10	23	28	
Adair	85	19.9	8.3	14.1	+1.4	28.4	10	2.6	22	71	9	+15	28	28	
Timaru	17	19.9	8.9	14.4	+1.2	28.9	25	1.7	22	64	8	+6	24	28	
Waimate	61	19.9	8.0	14.0	+0.7	28.9	25	0.1	22	40	9	-24	16	28	
Kurov	207	19.8	8.4	14.1	..	26.2	17	1.7	30	55	10	..	17	28	
Oamaru Airport	30	19.0	7.5	13.3	+1.3	27.5	25	1.1	22	22	6	-31	9	28	
Tara Hills, Oamarua	488	18.7	6.8	12.8	+0.9	25.3	7	-0.2	22	106	14	+58	31	28	
Lake Hawea	350	15.9	7.5	11.7	-1.2	20.2	7	1.2	29	133	14	+62	24	27	
Wanaka	296	18.1	8.2	13.2	+0.2	24.0	7	1.5	22	138	16	+77	25	10	
Queensberry	277	18.8	8.3	13.6	..	25.4	7	1.9	30	140	14	..	36	10	
Bendigo	200	19.7	8.5	14.1	..	26.1	7	2.6	30	74	12	..	19	10	
Naseby Forest	610	..	..	..	..	..	..	..	..	..	..	..	..	..
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru	5	18.5	8.7	13.6	..	28.0	25	1.7	22	17	4	..	12	28	
Ranfurly	427	17.9	5.4	11.7	..	23.9	17	-1.0	22	54	9	..	19	28	
Herbert Forest	61	19.5	5.8	12.7	+1.2	29.7	25	0.0	28	39	12	-48	19	28	
Palmerston	21	19.2	6.5	12.9	+1.2	27.0	25	-0.3	30	28	9	..	20	28	
Cherry Farm Hospital	6	19.2	6.7	13.0	+1.1	26.0	10	0.0	22	37	16	-21	19	28	
Taiaroa Head	72	..	7.8	..	..	..	..	1.0	22	27	15	-39	8	26
Invermay, Taieri	30	18.7	6.2	12.5	..	25.4	10	0.8	30	52	20	..	18	28	
Berwick Forest	18	18.7	6.2	12.5	+0.5	25.6	16	0.4	12	76	15	+7	16	20	
Dunedin Airport	1	18.2	5.9	12.1	+0.2	24.8	10	-0.4	12	51	14	-7	9	20	
Musselburgh, Dunedin	-2	17.6	8.2	12.9	+0.4	26.0	10	4.0	30	42	16	-29	8	12	
Te Anau	215	15.1	6.5	10.8	-0.3	20.0	7	-0.7	30	232	17	+135	43	10	
West Arm, Manapouri	232	12.8	6.0	9.4	-1.0	18.8	7	0.5	30	884	28	..	113	10	
Borland Burn	183	15.4	4.8	10.1	..	22.0	7	-1.0	12	262	28	..	66	10	
Queenstown	329	17.8	7.5	12.7	+0.4	26.2	7	3.4	12	191	17	+115	43	10	
Queenstown Airport	349	16.7	7.0	11.9	+0.3	24.8	7	1.4	12	133	14	+79	35	10	
Otama	183	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell	213	19.8	7.4	13.6	-0.2	26.7	7	1.7	30	66	13	+30	14	25	
Northburn	210	19.4	7.7	13.6	..	26.0	7	2.0	30	51	12	..	13	25	
Lauder	370	17.8	6.8	12.3	..	24.5	7	-0.1	22	63	13	..	16	28	
Clyde Dam	160	19.8	7.9	13.9	..	25.0	17	2.2	30	89	12	..	16	10	
Ophir	305	..	..	..	..	..	..	..	..	..	..	..	..	..
Moa Creek	427	..	..	..	..	..	..	..	..	..	..	..	..	..
Earnsclough	152	20.5	6.8	13.7	+0.8	27.4	17	-0.5	30	66	12	+33	13	25	
Roxburgh Power Station	110	..	..	..	..	..	..	..	..	..	..	..	..	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	18.6	5.5	12.1	..	24.0	10	-0.5	12	77	17	-14	21	20	
Mahinerangi Dam	396	15.2	4.0	9.6	-0.5	21.5	10	-0.5	12	74	14	-15	15	20	
Tapanui	226	16.0	5.2	10.6	-1.2	21.3	16	1.1	12	64	18	-17	18	6	
Taieri Mouth	15	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuatapere	27	16.0	5.8	10.9	..	23.0	16	0.1	30	161	22	..	39	10	
Otautau	55	16.1	5.6	10.9	-0.5	21.2	9	-1.0	30	118	18	+27	20	20	
Winton	44	16.1	6.0	11.1	-0.8	21.7	9	1.6	30	82	15	+11	17	6	
Gore	123	16.0	5.8	10.9	-0.7	21.3	7	1.0	30	83	21	..	20	6	
Hokonui Forest	46	16.5	5.9	11.2	-0.8	21.4	9	1.1	12	86	16	-11	19	6	
Woodlands	47	15.5	6.1	10.8	-0.6	21.4	9	0.6	12	136	25	..	24	6	
Invercargill Airport	0	15.0	6.6	10.8	-0.4	21.8	9	0.2	30	120	20	+26	25	20	
Tiwai Point, Bluff	5	14.0	7.9	11.0	-1.0	20.9	9	3.8	12	142	23	..	32	6	
Stewart Island	3	13.7	7.0	10.4	..	21.6	16	1.0	30	260	30	..	34	10	
Milton	18	17.7	5.8	11.8	-0.2	24.2	10	0.0	30	54	15	-15	12	6	
Finegand, Balclutha	6	18.0	6.8	12.4	+0.6	23.8	16	0.0	12	43	18	..	9	6	
Owaka	5	16.5	6.1	11.3	..	21.8	9	1.2	12	83	18	..	19	6	
Nugget Point	129	15.5	6.2	10.9	+0.2	21.0	25	2.0	22	71	21	-8	14	6	
Tautuku	61	16.1	6.4	11.3	..	22.9	9	1.4	12	132	19	..	31	6	
Nandi Airport, Fiji	19	31.7	22.1	26.9	+0.9	34.1	15	17.5	19	71	9	..	23	16	
Rarotonga Airport	7	26.7	20.0	23.4	-0.6	28.7	24	15.9	15	13	16	-139	4	27	
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Island	38	22.2	16.2	19.2	+0.4	24.2	28	13.2	1	120	7	+39	64	30	
Campbell Island	15	8.6	3.1	5.9	-1.3	10.8	17	0.0	21	148	28	+41	16	27	
Waitangi, Chatham Island	44	15.1	9.9	12.5	+0.9	17.8	26	3.5	8	92	12	+31	53	29	
Scott Base, Antarctica	16	-6.4	-14.6	-10.5	+1.5	-0.1	27	-24.5	2	

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		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs			
LATE RETURNS AND CORRECTIONS															
Oyster Point 10/1982	0	16.6	8.6	12.6	..	19.2	21	2.4	21	120	19	..	19	18	..
Tarawera Forest 09/1982	61	16.5	3.8	10.2	-0.2	20.5	24	-3.1	3	107	13	-53	28	8	..
Huntly 10/1982	34	16.0	8.2	12.1	..	19.9	30	4.7	21	113	21	..	33	18	..
Ohote 08/1982	40	..	..	..	..	..	..	..	..	55	23	..	16	5	..
Ohote 09/1982	40	..	..	..	..	..	..	..	..	49	14	..	8	4	..
Ohote 10/1982	40	..	..	..	..	..	..	..	..	122	20	..	47	18	..
Hautapu 08/1982	60	..	..	..	..	..	..	..	..	44	13	..	12	5	..
Hautapu 09/1982	60	..	..	..	..	..	..	..	..	59	12	..	15	25	..
Port Taharoa 09/1982	27	15.7	9.2	12.5	+0.2	19.0	21	2.9	3	98	..	..	..	..	..
Te Kuiti 10/1982	61	15.9	6.1	11.0	-1.8	21.2	30	1.2	21	117	24	-35	28	18	137
Ruatoria 10/1982	61	17.7	6.5	12.1	-1.7	22.3	11	1.1	4	159	16	+17	62	18	..
Wharerata Forest 10/1982	439	14.0	3.4	8.7	..	22.6	31	-0.2	7	204	14	..	69	2	..
Hastings 10/1982	16	17.3	5.7	11.5	..	25.3	31	1.4	8	26	15	..	7	27	..
Wharite Peak 09/1982	914	7.0	2.4	4.7	-0.1	10.5	25	-0.8	3	122	24	-20	17	26	..
Wharite Peak 10/1982	914	7.4	1.4	4.4	-2.0	14.0	21	..	..	147	24	-33	63	9	..
Cape Egmont 10/1982	8	15.2	9.0	12.1	-1.0	17.0	15	5.0	19	107	22	-23	20	2	..
Ohakune Junction 10/1982	629	11.7	3.9	7.8	..	17.0	30	-1.4	21	162	19	..	29	25	..
Totara Flat 09/1982	77	14.1	3.9	9.0	-0.5	17.4	21	-1.3	28	165	15	-3	35	4	..
Springs Junction 09/1982	421	13.1	1.0	7.1	..	16.8	24	-4.4	16	197	..	-9	..	..	..
Springs Junction 10/1982	421	..	..	..	..	..	..	..	..	224	..	+16	..	..	..
Franz Josef 10/1982	122	13.2	3.4	8.3	-2.1	20.0	27	-0.5	17	279	19	-209	42	14	..
Craigieburn Forest 10/1982	914	11.1	0.5	5.8	-1.9	18.4	31	-4.4	3	107	22	-28	17	22	..
Darfield 10/1982	195	15.8	3.7	9.8	-1.5	24.5	31	-1.3	3	107	12	+41	25	26	..
Lincoln 10/1982	11	15.6	4.3	10.0	-1.2	24.0	31	-1.0	3	88	14	+40	19	26	184
Ikawai 10/1982	70	15.5	4.1	9.8	-0.6	25.0	31	-3.5	3	51	8	..	15	24	..
Wanaka 10/1982	296	15.3	2.5	8.9	-1.6	19.5	31	-2.9	7	60	8	+2	27	14	..
Naseby Forest 10/1982	610	12.3	0.5	6.4	-2.2	19.7	31	-5.1	3	109	10	+53	28	23	..
Windsor 10/1982	88	14.8	5.1	10.0	..	25.6	31	0.0	3	57	13	..	13	14	..
Herbert Forest 10/1982	61	15.1	3.3	9.2	-0.9	24.8	13	-0.9	3	104	13	+52	46	24	..
Ophir 10/1982	305	14.5	2.2	8.4	-1.9	20.4	30	-5.0	3	51	7	+10	16	14	..
Moa Creek 09/1982	427	..	..	..	..	..	..	..	..	13	5	-10	4	25	..
Moa Creek 10/1982	427	..	..	..	..	..	..	..	..	37	8	+1	11	14	..
Roxburgh Power Station 10/1982	110	15.4	4.3	9.9	-1.6	23.0	30	-1.0	3	74	11	+36	26	24	..
Deep Stream 09/1982	396	12.4	0.6	6.5	..	21.9	23	-6.4	16	30	11	..	13	1	..
Deep Stream 10/1982	396	12.6	2.1	7.4	..	20.0	30	-4.4	20	161	19	..	69	24	..
Nandi Airport, Fiji 10/1982	19	30.2	21.1	25.7	+0.4	33.4	28	18.5	1	57	11	..	16	6	173
Totokoitu, Rarotonga 10/1982	9	25.3	18.5	21.9	..	28.3	28	15.2	30	37	9	..	13	15	..
Raoul Island 09/1982	38	19.0	13.4	16.2	-0.1	22.5	30	10.0	17	81	17	-36	45	26	156
Campbell Island 08/1982	15	8.0	2.6	5.3	+0.3	9.9	3	-1.7	18	143	30	+34	20	13	29
Campbell Island 09/1982	15	8.3	3.7	6.0	+0.5	10.0	9	-0.4	30	94	27	-8	17	7	24
Campbell Island 10/1982	15	8.3	3.5	5.9	-0.3	10.7	22	-0.5	12	113	24	-4	14	8	76

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 WEATHER IN NEW ZEALAND IN NOVEMBER 1982

General—November was a mild, windy month. The winds this month were mainly westerly, a pattern which, although normal for November, was more pronounced than usual. Southern New Zealand had its highest frequency, 21 days, of north-westerlies since November 1958, while northern areas had south-westerlies on 20 days, the highest frequency since September 1981. The westerlies had a pronounced effect on temperatures in eastern districts of both Islands. Gale force winds damaged buildings and trees in Canterbury on the 8th, central and southern areas of the country on the 18th and 19th, the east of the North Island on the 22nd and Canterbury and Kaikoura on the 25th and 26th. During this last storm gusts to 96 knots were recorded at Mount John and 110 knots at Mount Hutt.

Many farmers in both Islands reported poor grass growth this month due to a combination of winds and generally low rainfall. Low sunshine in central and western area has not suited young stock.

A severe hailstorm in Canterbury on the 21st caused extensive damage to soft fruit crops and market gardens, particularly around Ashburton, while the accompanying thunderstorm caused widespread powercuts.

Rainfall—All of the North Island and the north of the South Island had below normal rainfall this month, with the exception of parts of Wellington which had rainfalls slightly above average. Northland and some central areas of the North Island had less than 25 percent of their usual rainfall, while the Waikato and Bay of Plenty areas had between 30 percent and 40 percent of average rainfall. The south and west of South Island, with the exception of some coastal areas of Otago, had above normal rainfall. Totals for the month in excess of 200 percent of normal were recorded in inland areas of Otago, Southland, Fiordland and Canterbury and led to storage lake levels becoming very high.

Temperature—Apart from South Westland, Fiordland and Southland, temperatures were above normal over the whole country. Temperatures were particularly high in eastern areas due to the frequent foehn effect induced by the high frequency of westerly winds. In many eastern areas mean temperatures were between 2°C and 3°C above average. The mean temperature at Napier was the highest for November since the station opened in 1870, and among other stations recording record mean temperatures for November were (with starting dates for records in brackets): Gisborne Airport (1937), Blenheim Airport (1941), Kaikoura (1953), and Christchurch (1953).

For the rest of the country mean temperatures were generally between 0.5°C and 1.5°C above average, while in the west and south of the South Island they were between average and 1°C below average.

There were several very warm spells this month mainly affecting eastern areas. On the 7th and 8th temperatures of between 30°C and 32°C were recorded at several east coast stations in the North Island and on the 25th eastern stations on both Islands recorded maximum temperature of 30°C.

There was a very cold spell during a period of southerly winds on 29th and 30th. Mean temperatures were between 5°C and 7°C below average in the South Island and 2°C to 4°C below average in the North Island on the 29th and between 5°C and 10°C below average for the whole country on the 30th.

Sunshine—Sunshine hours were generally average or above average in northern and eastern areas of both Islands and below average in areas to the south and west. Among those areas with the greatest departures from normal this month were: Christchurch (+41 hours), Timaru (+37 hours), Gisborne (+35 hours), Hokitika (-51 hours), Taumarunui (-51 hours), and Wellington (-50 hours).

THE WEATHER SEQUENCE, NOVEMBER 1982

1-7 November

An anticyclone lay over the North Island on the 1st, while a south-westerly airstream covered the South Island. A slow moving front lay across the north of the South Island and there were light showers in some western areas. A belt of high pressure had developed between the anticyclone over northern New Zealand and a second over south Australia by the 2nd, with a westerly flow to the south. Dry, mild weather prevailed in most districts during the 2nd and 3rd. During the 3rd a small depression developed in the North Tasman Sea and this brought showers to Northland on the 4th, while a series of fronts in the westerly flow across the South Island brought rain to southern and western areas of the South Island between the 4th and 7th. High temperatures were recorded in eastern districts, particularly in the North Island, during this time.

8-14 November

The belt of high pressure remained established across the north of the country until the 11th, while strong westerly winds continued to affect the south of the North Island and the South Island. There were moderate to heavy falls of rain in Westland and Fiordland each day between the 8th and 11th and in Southland on the 10th. Light rain fell in other western areas and about Cook Strait at times but the south and east of the South Island and the North Island were otherwise fine and mild. A cold front associated with a deep depression near Fiordland moved onto the country on the 11th and rain became widespread on the 11th and on the 12th as a second front followed rapidly. By the 13th the rain had cleared from most areas but temperatures remained cool, becoming fine and mild on the 14th as an anticyclone began to move onto the country.

15-21 November

The anticyclone continued to spread onto the country bringing fine weather to all districts between the 15th and 17th, apart from Westland and Fiordland on the 16th and 17th and Southland on the 17th. The centre of the anticyclone lay close to Cape Reinga by the 18th and a front, moving within the resulting north-westerly flow over the South Island, brought widespread rain to the South Island and south of the North Island on the 18th. Subsequent disturbances in the flow brought further rain to western and southern areas between the 19th and 21st. Northern and eastern districts continued to have fine, mild weather.

22-30 November

There were further showers in western areas of both Islands and isolated inland areas of the North Island between the 22nd and 24th as a strong westerly to south-westerly airstream continued to flow over the country. Temperatures were warm in eastern areas. An anticyclone centred near Lord Howe Island began to move onto the north of the North Island during the 24th and by the 25th the weather in the North Island was fine and mild. However a front associated with a deep depression to the south of the South Island brought heavy rain to western, southern, and central areas of the South Island. The front moved slowly across the country during the next 3 days bringing rain to the south and west of the South Island on the 26th and rain to most of the country on the 27th and 28th. By the 29th an anticyclone had moved into the south Tasman Sea area, with a strong southerly flow developing over New Zealand. There were showers in most parts of the country on the 29th and 30th and temperatures were cold.

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

J. S. HICKMAN, Director.

