Government Meteorological Observatory.

METEOROLOGICAL Observations at Kelburn, Wellington, for the Month of May, 1940. Observations taken at 9 a.m. Altitude of Observatory, 415 ft.

		Temperature (° F.) from Observations at 9 a.m.						Wind.			(100	Hours	at		
÷.	erika kecilik dibi. Kabupatèn jiya Calibat	f	and Standard	In Screen.					Grass.	Beaufort Scale.		Anemo- meter.	Points Inch.)		(Symbols)
Date, I ul. é. é. é. e.		e, in evel ar ity.	At 9 a.m.			Maxi- mum.	Mini- 8	nc.		n 24 8.	5	Sunshine Tenths.			
			Pressure, in Sea-level s Gravity.	Dry.	Wet.	Humid- ity.	Dry.	Dry.	Minimum on	Dfrection.	Force.	Run in Hours.	Rainfall, Points	Bright and	Weather 9 a.m.
1			1018-2	51 · 1	48.9	85	58.5	48.0	46.2	Calm		47	Trace	2.5	oz
2	·		$1020 \cdot 7$	$52 \cdot 1$	$51 \cdot 2$	94	58.0	48.7	39.0	Calm	٠.	118	2	0.3	idoz
3		٠	$1022 \cdot 2$	58.0	$52 \cdot 7$	68	63 . 9	47.2	41.0	NNW	2	31	1	7.8	e
4			1011 · 1	59.0	55.8	81	63.5	54.7	46.4	NNW	4	133	30	0.4	$_{ m oir}$
5			1002 · 1	52.8	$51 \cdot 4$	90	53 · 4	51.9	51.4	S	4	233	78	0.0	\mathbf{or}
6	• • • • • • •		1003 · 3	$47 \cdot 0$	43.0	70	$50 \cdot 2$	42.2	$37 \cdot 9$	SE	4	221	Trace	6.6	0
7	• • • • •		999.5	$48 \cdot 2$	45.0	76	52.5	42.0	31.6	SE	5	139	Trace	4.5	0
3	• • • • • •	• •	996.3	$50 \cdot 0$	$47 \cdot 3$	81	51.0	45.7	$42 \cdot 4$	S	1	221	24	2.6	oujp
9			997.8	$49 \cdot 9$	49.8	98	$50 \cdot 9$	43.8	31.0	SSE	5	75	139	0.0	odr
)	• • • • •	• • •	1002 · 2	48.6	46.8	86	$50 \cdot 2$	46.8	46.0	S	7	413	3	0.0	$_{ m oir}$
L	• • • • • • • • • • • • • • • • • • • •	٠	$1011 \cdot 2$	50 · 1	45.3	66	52.9	46.1	42.9	S	4	401	• • •	$ 6 \cdot 3 $	be
2	••	• •	1013 · 7	45.8	44 8	92	56.6	40.5	34.7	Calm	• :	104	·:	5.7	be
3	•• , • ••	• •	1007.9	50.8	48.0	80	58.8	43.0	32.2	NNE	2	42	5	$ 9\cdot0 $	bw
1		• .•	1012.0	46.6	45.3	91	48.7	42.1	32.6	SSE	3	87	Trace	3.1	\mathbf{or}
5		. • •	1013 · 2	48.7	46.7	85	56.2	37.8	30.0	N	3	69	• •	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	О
3		• .•	1009 3	56.2	$52 \cdot 2$	75	60.8	45.2	36.1	N	3	86		7.8	0
7	• • • • • • • • • • • • • • • • • • • •	• •	1012 6	54·5 53·8	51.7	81	57.2	50.0	44.8	NW	5	144	Trace	$2 \cdot 0$	oq
3	• • • • •	• •	1009 1	52.8	$\begin{array}{c c} 51 \cdot 8 \\ 52 \cdot 5 \end{array}$	87 98	54.8	51.6	49.7	NW	4	386	45	0.0	$_{ m ojp}$
	• • • • • • • • • • • • • • • • • • • •	• •	993.3				53.2	49.0	48.7	NE	1	260	53	0.0	op
0	••	• •	996.2	44.2	40.2	, 68	47.2	42.2	40.8	SSE	5	302	Trace	$5 \cdot 1$	0
2	••	• •	$992.7 \\ 994.4$	45·4 50·4	$43.5 \\ 47.0$	85	$51 \cdot 4$ $53 \cdot 0$	42.1	39.8	Calm	٠.	129		1.6	0
3		• •	994.4	45.8	45.4	76 97	54.1	$44 \cdot 3 \\ 41 \cdot 2$	38·5 38·3	NW	$\frac{2}{1}$	112	95	2.1	b
5 1		• •	1008.4	48.3	$ \begin{array}{c} 45 \cdot 4 \\ 47 \cdot 9 \end{array} $	97	$54 \cdot 1$ $53 \cdot 7$	$\begin{array}{c c} 41 \cdot 2 \\ 43 \cdot 7 \end{array}$	38·3 43·0	S		31	42	2.8	0
± 5	••		1011 1	53.7	51.0	82	58 4	43.7	35·1	N N	4	$\frac{126}{155}$	Trace	$\begin{bmatrix} 0.6 \\ 7.5 \end{bmatrix}$	op
3	•••	• • •	996.0	52.9	$51.0 \\ 51.9$	93	53.1	50.8	30·1 46·4	NNW	6	_317	$\begin{vmatrix} 4\\22 \end{vmatrix}$	1.4	c
7	••	• •	1000.0	45.4	45.3	99	46.4	45.2	40.4	ININ W	2	297	30	0.0	or
3	••		1015.6	43.7	40.0	70	46.0	$\begin{array}{c c} 45 \cdot 2 \\ 41 \cdot 1 \end{array}$	38.3	S	3	318	40	5.0	op
9	••	• •	1013.6	45 4	42.5	76	49.2	39.1	39.0	ssw	5	338		$6 \cdot 2$	ojp
0	••	• •	1025.0	44.9	42.5	80	50.1	38.4	31.3	Calm	-	95		8.2	o . b -
ì	••	• • •	1020 2	45.3	43.4	84	$50.1 \\ 52.2$	38.4	31.1	NE	3	51	Trace	6.3	oz
	Means, &c		1007 · 6	49.7	47.4	84	53.7	44.7	39.6		2.9	177	613	110.0	

Mean earth temperature at 1 ft., 50.5°; and at 3 ft., 53.6°. Number of rain days, 16. Total rainfall, 50 per cent. above normal. Sunshine, 36 per cent. of the possible. Mean dewpoint at 9 a.m., 44.8°; mean vapour pressure, 0.296 in.

DIRECTION OF WIND.

Gale (force	Forces	N.	N.E.	$\mathbf{E}.$	S.E.	S.	S.W.	w.	N.W.	Calm.
8 or more).	4 to 7.									
	13	5	$2\frac{1}{2}$		$3\frac{1}{2}$	10	$\frac{1}{2}$	٠	$4\frac{1}{2}$	5

Note.—A thunderstorm, lasting about twenty minutes, was experienced on the 9th. Light hail showers were frequent during the 28th.

Notes on the Weather for May, 1940.

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General Notes.—During May, as in the months preceding, temperatures were cold. Skies were dull and rain fell frequently in most parts, but there was a fortunate lack of continued strong winds. Although there were several gales they did not persist for any considerable time. The ground is now well soaked and, while some pasture growth has been maintained in the north, it has almost ceased in the south. Widespread frosts at the close of the month will have checked the growth still further. Animals are in a healthy condition, but some stock were lost in the Otago floods.

Rainfall.—In spite of the large number of rain days, the total falls were somewhat below normal in several regions—viz., the Waikato, King-country, North Taranaki, and Poverty Bay, as well as in Nelson and Westland provinces. Rainfall was in excess in most other districts, the percentage excesses being greatest in Canterbury and Otago, where many stations had over double the normal amount, chiefly as the result of the continuous rains from the 4th to the 8th, when many floods occurred. Thunderstorms were numerous, some being accompanied by sharp hail-showers.

Temperatures.—The milder spells were brief and the colder more prolonged. Mean temperatures from Canterbury northwards were about 2° below normal, while southwards the departures were smaller. There were numerous frosts, and on several occasions considerable amounts of snow fell on the ranges.

Sunshine.—Some stations, such as Auckland and Napier, had values noticeably above the average, but most places had less sunshine than is usual in May. The southern half of the South Island suffered most in this respect.

Weather Sequences.—An anticyclone over New Zealand gave three days of fair, mild weather, but on the evening of the 3rd a vigorous depression approaching from the Central Tasmah Sea caused rain in Westland, and heavy rains began to extend from the north over most of the North Island. Some very large falls were recorded in the far north, while in s

A complex depression crossing the country on the 26th resulted in another unsettled spell when snow fell on the ranges, strong southerly gales being experienced on the east coast. From the 28th onward the arrival of a new anticyclone produced better weather but nights were very frosty in both Islands. On the last day of the month pressure was falling in the south and scattered rains occurred in the west and in the far north and south. Elsewhere it was fair and rather milder.