CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for November 1956—continued

Milford Sound	Station		of Station	Air Temperatures in Degrees (Fahrenheit)								Rainfall in Inches					
Lake Coleridge				Means of							Total	No. of		Maximum Fall		Sun-	
Lake Coleridge				A Max.		and	From		Date		Date		Rain	From	Amount	Date	
Franz Josef							, -										Hrs.
Eyrewell		1,				53.3	$-1\cdot 2$						19	-2.78	1		
Ashley Forest		••					•••						29		1		• •
Darfield 640 65-2 45-7 55-4 +0-4 76-2 19 32-0 8 5-09 16 +2-66 1-76 5  Harewood 94 65-1 47-1 65-1 75-6 17 32-7 8 5-04 13 0.99 5 20.  Christchurch 22 66-5 48-3 57-4 +1-1 76-5 17 32-7 8 2-7 8 8 -0-96 1.30 5  Wigram 74 65-4 48-2 56-8 +0-44 75-2 30 32-0 8 2-75 10 +1-03* 1-18 5  Akaroa 150 65-5 49-3 57-4 +0-3 76-0 30 32-0 8 2-75 10 +1-03* 1-18 5  Karoa 150 65-5 45-1 55-3 +0-2 73-5 30 30 -1 8 3-96 14 +1-68* 1-35 5 198  Lincoln 36 65-5 45-1 55-3 +0-2 73-5 30 30 -1 8 3-96 14 +1-68* 1-35 5 198  Lincoln 36-65-6 44-1 55-3 +0-2 73-5 30 30 -1 8 3-96 14 +1-68* 1-35 5 198  Lincoln 36-65-6 45-1 55-3 +0-2 73-5 30 30 -1 8 3-96 14 +1-68* 1-35 5 198  Lincoln 36-65-6 45-1 55-3 +0-2 73-5 30 30 -1 8 3-96 14 +1-68* 1-35 5 198  Lincoln 36-65-6 45-1 55-3 +0-2 73-5 5 30 30 -1 8 3-96 11 +1-59 1-63 5 212  Highbank 1,102 62-4 47-1 54-8 74-3 4 35-2 7 7-37 17 1-65 5 175  The Hermitage 2,510 56-8 40-9 48-8 -2-6 67-0 17 31-0 8 3-91 11 +1-59 1-42 24  Haast 15 60-7 47-3 54-0 +0-0* 65-5 11 39-0 8 18-8 68 24 +5-79* 3-94 30 116  Ashburton 323 66-8 47-0 56-9 +1-2 76-6 3 31-8 8 4-47 10 +2-02 1-48 5 170  Fairlie 1,004 63-0 42-6 52-8 73-9 17 32-1 13 3-63 18 0-96 30  Timaru 56 66-8 48-2 57-5 42-0 79-8 30 36-2 8 1-29 14 -0-66 0-29 5,28 16  Adair 200 62-7 48-0 55-4 1-4 77-4 30 37-2 8 11-89 17 -0-17* 0-59 5  Tara Hills, Omarama 1,600 63-0 42-6 52-8 73-9 17 32-1 13 3-63 18 0-96 30  Waimate 200 64-9 48-0 56-4 +1-0 78-4 30 35-4 8 2-68 19 +0-51 0-89 8 14  Nasseby 2,300 60-4 38-6 49-5 69-5 30 25-1 1-7 1-7 2-2 1-7 1-7 2-2 1-7 1-7 2-2 1-7 1-7 2-2 1-7 1-7 2-2 1-7 1-7 2-2 1-7 1-7 2-2 1-7 1-7 2-2 1-7 1-7 2-2 1-7 2-7 2-7 3-7 3-7 3-7 1-7 1-7 1-7 1-7 2-7 3-7 3-7 3-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1		•••					0.0*										
Harewood 94 65:1 47:1 56:1 75:6 17 32:7 8 2.46 13 0.99 5 202 Christchurch 22 66:5 48:3 57:4 1:1. 76:5 17 33:6 8 2.78 8 0.99 5 5 202 Christchurch 22 66:5 48:3 57:4 1:1. 76:5 17 33:6 8 2.78 8 0.99 6.73 1:18 5 Wigram 74 65:4 48:2 56:8 0.44 75:2 30 32:0 8 2.75 10 0.11:03* 1:18 5 Migram 74 65:5 49:3 57:4 0.24 75:2 30 37:0 8 2.75 10 0.11:03* 1:18 5 Migram 74 65:5 49:3 57:4 0.24 75:2 30 37:0 8 2.75 10 0.11:03* 1:18 5 Migram 74 65:5 49:3 57:4 0.24 75:2 30 37:0 8 2.75 10 0.11:03* 1:18 5 Migram 15:0 65:5 49:3 57:4 0.2 73:5 30 37:0 8 3.49 13 0.15 1:18 5 16:0 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.														+2.6/*			•••
Christchurch  22 66-5 48-3 57-4 +1-1 76-5 17 33-6 8 2-78 8 +0-9-6 1-30 5  Wigram  74 65-4 48-2 56-8 +0-4 75-2 30 30 32-0 8 3-96 14 +1-68* 1-18 5  Akaroa  150 65-5 49-3 57-4 +0-3 76-0 30 37-0 8 3-96 14 +1-68* 1-18 5  Akaroa  150 65-5 49-3 57-4 +0-3 76-0 30 37-0 8 3-96 14 +1-68* 1-18 5  Akaroa  150 65-5 49-3 57-4 +0-3 76-0 30 37-0 8 3-96 14 +1-68* 1-18 5  Akaroa  150 65-5 49-1 55-3 +0-2 73-5 30 30-1 8 3-96 14 +1-68* 1-18 5  The Hermitage  2510 65-8 40-9 48-8 -2-6 67-0 17 31-0 8 3-96 14 +1-69* 1-18 15 5  The Hermitage  2510 65-8 40-9 48-8 -2-6 67-0 17 31-0 8 3-99 17 31-1 19 1-159* 1-42 24  Winchmore  2510 65-8 40-9 48-8 -2-6 67-0 17 31-0 8 3-99 17 31-1 19 19 19 2-0 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	II amarria a d						+0.4							+2.00			
Wignam    74   65-4   48-2   56-8   +0-4*   75-2   30   32-0   8   2-75   10   +1-03*   1-18   5	Olamintalassmala						11.1							10.06			202
Akaroa   150   65-5   49-3   57-4   +0-3   76-0   30   37-0   8   3-96   14   +1-68*   1-35   5   198   Lincoln   36   65-5   49-3   57-4   +0-3   76-0   30   30-1   8   3-96   14   +1-68*   1-35   5   128   Lincoln   36   65-5   49-3   55-3   +0-2   73-5   30   30-1   18   3-96   14   +1-68*   1-35   5   128   Lincoln   36   65-5   49-3   55-3   +0-2   73-5   30   30-1   12   12   12   10   1-159*   1-63   5   212   Lighbank   1,102   62-4   47-1   54-8     74-3   4   35-2   7   7-37   17     1-65   5   173   Lincoln   37-6   48     49-2   173   31-0   8   3-99   11   1-1-59*   1-42   24   Lincoln   37-6   48     49-2   17   31-0   3   31-5   8   3-93   11   +1-59*   1-42   24   Lincoln   37-6   48     49-2   17   31-0   3   31-5   8   3-93   11   +1-59*   1-42   24   Lincoln   37-6   48   3-93   11   +1-59*   1-42   24   Lincoln   37-6   38   3-96   18   3-93   11   +1-59*   1-42   24   Lincoln   48-2   49-2   17   31-0   3   31-5   8   3-93   11   +1-59*   1-42   24   Lincoln   48-2   49-2   17   31-1   3-10   3-3   31-5   8   3-93   11   +1-59*   1-42   24   Lincoln   48-2   49-2   17   31-1   3-10   3-3   31-5   8   3-93   11   +1-59*   1-42   24   Lincoln   48-2   49-2																	
Lincoln		••															100
Highbank		1															
The Hermitage		1					±0.7							1.73			
Winchmore   525   63-1   45-4   54-2   -0-1 **   71-0   3   31-5   8   3-93   11   +1-59*   1-42   24   14aast   15   60-7   47-3   54-0   +0-0*   65-5   11   39-0   8   18-68   24   +5-79*   3-94   30   11   14abhurton   323   66-8   47-0   56-9   +1-2   76-6   3   31-8   8   4-47   10   +2-02   1-48   5   170		2.					_2:6							2:06			175
Haast		,															•••
Ashburton																	116
Fairlie		1															
Timaru		1					112							12 02			170
Adair							+2:0							-0.66			169
Tara Hills, Omarama																	
Milford Sound		14															142
Waimate   200   64-9   48-0   56-4   +1-0   78-4   30   35-4   8   2-68   19   +0-51   0-89   8   144   Naseby   2,300   60-4   38-6   49-5     69-5   30   25-1   5   2-43   16     0-41   28     200   2		1 1					+1.1	65.8					22	+2.05			
Naseby   2,300   60-4   38-6   49-5     69-5   30   25-1   5   2-43   16     0-41   28     Queenstown   1,100   63-0   44-7   53-8   -0-1   70-3   20   34-2   8   4-92   17   +2-20   2-20   30   159   Cromwell   720   66-9   45-4   56-2   40-8*   75-8   20   21-5   8   3-86   16   +2-64*   1-87   30     Cromwell   720   66-9   45-4   56-2   40-8*   75-8   20   21-5   8   3-86   16   +2-64*   1-87   30     Cromwell   1,000   64-6   43-5   54-0   -0-2   74-0   19   28-0   8   4-33   16   +3-00   1-65   21     Cromwell   500   67-0   43-7   55-4   -0-3*   76-8   19   30-0   8   4-33   12   +3-30*   1-64   30     Cromwell   1,550   60-6   41-8   51-2   -1-1   69-5   19   29-6   8   3-35   20   +1-80   0-88   30   166   Alexandra     520   67-6   46-1   56-8   +0-4   79-3   19   32-0   8   3-76   13   +2-68   1-60   20   154   Amanorburn Dam†     2,448   57-5   39-0   48-2   +0-1   67-5   19   26-0   7   2-54   15   +0-72   0-84   30     Garston     1,009   63-3   43-0   53-2     73-0   19   28-0   8   4-31   17     1-49   30     Roxburgh Hydro     350   67-2   46-4   56-8     79-0   19   32-0   8   4-51   18   +2-74   1-36   30     Moa Flat, West Otago     1,345   60-2   41-9   51-0     67-7   19   28-9   8   3-95   18     1-14   30     Moasburn     961   62-0   42-7   52-4     68-2   17   31-5   25   3-35   15     1-10   30     1-30											8						144
Queenstown   1,100   63-0   44-7   53-8   -0-1   70-3   20   34-2   8   4-92   17   +2-20   2-20   30   159   Cromwell   720   66-9   45-4   56-2   +0-8*   75-8   20   21-5   8   3-86   16   +2-64*   1-87   30		i a	.300	60.4	38.6				30	25.1		2.43	16		0.41	28	
Cromwell          720         66-9         45-4         56-2         +0-8*         75-8         20         21-5         8         3.86         16         +2-64*         1.87         30            Ophir          1,000         64-6         43-5         54-0         -0-2*         74-0         19         28-0         8         4-33         16         +3-00         1-65         21            Earnscleugh          500         67-0         43-7         55-4         -0-3*         76-8         19         30-0         8         4-33         16         43-3         164         30            Waipiata          1,550         60-6         41-8         51-2         -1-1         69-5         19         29-6         8         3-36         13         +2-68         1-60         20         154           Manorburn Dam†         2,448         57-5         39-0         48-2         +0-1         67-5         19         26-0         7         2-54         1-49         30            Garston         1,009         63-3         43-0         53-2          73-0 <td></td> <td>14</td> <td>100</td> <td>63.0</td> <td>44.7</td> <td>53 · 8</td> <td>-0.1</td> <td></td> <td>20</td> <td>34.2</td> <td>8</td> <td>4.92</td> <td>17</td> <td>+2.20</td> <td>2.20</td> <td>30</td> <td>159</td>		14	100	63.0	44.7	53 · 8	-0.1		20	34.2	8	4.92	17	+2.20	2.20	30	159
Earnscleugh   500   67·0   43·7   55·4   -0·3*   76·8   19   30·0   8   4·38   12   +3·30*   1·64   30     Waipiata   1,550   60·6   41·8   51·2   -1·1   69·5   19   29·6   8   3·35   20   +1·80   0·88   30   166   Alexandra   520   67·6   46·1   56·8   +0·4   79·3   19   32·0   8   3·76   13   +2·68   1·60   20   154   Manorburn Dam†   2,448   57·5   39·0   48·2   +0·1   67·5   19   26·0   7   2·54   15   +0·72   0·84   30     Garston   1,009   63·3   43·0   53·2     73·0   19   28·0   8   4·31   17     1·49   30     Mid Dome   1,252   62·1   42·9   52·5     70·7   19   28·9   8   3·95   18   +2·74   1·36   30     Mos Flat, West Otago   1,345   60·2   41·9   51·0     67·7   19   31·0   7   3·78   15   +0·79*   1·35   30     Mossburn   961   62·0   42·7   52·4     68·2   17   31·5   25·3   35·15     1·10   30     Taieri   80   63·8   45·6   54·7   +1·3*   76·8   3   30·3   8   3·52   18   +1·24*   0·72   30   131   Musselburgh, Dunedin   5   62·3   49·0   55·6   +1·0*   72·2   14   34·8   8   3·23   16   +0·72   0·88   30   152   138   139   139   139   139   130	Cromwell	- 1	720	66.9	45.4	56.2	+0.8*	75.8	20	21.5	8	3.86	16	+2.64*	1.87	30	
Waipiata 1,550 60.6 41.8 51.2 -1.1 69.5 19 29.6 8 3.35 20 +1.80 0.88 30 166 Alexandra 520 67.6 46.1 56.8 +0.4 79.3 19 32.0 8 3.76 13 +2.68 1.60 20 154 Manorburn Dam† 2,448 57.5 39.0 48.2 +0.1 67.5 19 26.0 7 2.54 15 +0.72 0.84 30 Garston 1,009 63.3 43.0 53.2 73.0 19 28.0 8 4.31 17 1.49 30 Roxburgh Hydro 350 67.2 46.4 56.8 79.0 19 32.0 8 4.50 18 +2.74 1.36 30 Mid Dome 1,252 62.1 42.9 52.5 70.7 19 28.9 8 3.95 18 1.14 30 Moa Flat, West Otago 1,345 60.2 41.9 51.0 67.7 19 31.0 7 3.78 15 +0.79 1.35 30 Mossburn 961 62.0 42.7 52.4 68.2 17 31.5 25 3.35 15 1.10 30 Musselburgh, Dunedin 5 62.3 49.0 55.6 +1.0* 72.2 14 34.8 8 3.23 16 +0.72 0.88 30 152  Tapanui 550 64.9 43.7 54.3 84.5 11 32.6 7 3.55 15 1.65 30 East Gore 240 65.7 44.9 55.3 +1.8* 76.0 19 31.0 8 3.45 16 +0.24* 1.33 30 162 Otautau 180 62.5 44.1 53.3 +1.2* 72.1 16 29.2 8 2.91 16 -0.60* 0.68 30 145 Pebbly Hills 150 64.1 44.0 54.0 73.5 16 29.0 8 3.89 18 +0.34* 1.01 30 Invercargill South 8 63.5 47.4 55.4 +2.4 73.1 3 32.8 8 4.54 19 +0.81 1.04 8  Wallaceville, October, 1956 2.930 55.4 37.5 46.4 +0.2* 67.0 19 30.0 12 2.51 17 +0.13* 0.46 3  LATE RETURNS  Wallaceville, October, 1956 2.930 55.4 37.5 46.4 +0.2* 67.0 19 30.0 12 2.51 17 +0.13* 0.46 3	Ophir	1,	,000	64.6	43.5	54.0	-0.2	74.0	19	28.0	8	4.33	16	+3.00	1.65	21	
Alexandra   520   67-6   46-1   56-8   +0-4   79-3   19   32-0   8   3-76   13   +2-68   1-60   20   154   Manorburn Dam†   2,448   57-5   39-0   48-2   +0-1   67-5   19   26-0   7   2-54   15   +0-72   0-84   30     Rosburgh Hydro	Earnscleugh		500	67.0		55.4	-0.3*		19				12	+3.30*			
Manorburn Dam†	Waipiata	$\dots   1,$	,550	60.6	41 · 8						8				0.88		166
Garston	Alexandra										8						154
Roxburgh Hydro	Manorburn Dam†						+0.1							+0.72			
Mid Dome		$\dots   1,$					• •								1 1		
Moa Flat, West Otago   1,345   60·2   41·9   51·0     67·7   19   31·0   7   3·78   15   +0·79*   1·35   30     Mossburn   961   62·0   42·7   52·4     68·2   17   31·5   25   3·35   15     1·10   30     Taieri   80   63·8   45·6   54·7   +1·3*   76·8   3   30·3   8   3·52   18   +1·24*   0·72   30   131   Musselburgh, Dunedin .   5   62·3   49·0   55·6   +1·0*   72·2   14   34·8   8   3·23   16   +0·72   0·88   30   152   152   153   153   154							••,							+2.74	1		
Mossburn   961   62 \cdot 0   42 \cdot 7   52 \cdot 4     68 \cdot 2   17   31 \cdot 5   25   3 \cdot 35   15     1 \cdot 10   30   Taieri							• •				8			0.50			• •
Taieri							• •				25			+0.79*			••
Musselburgh, Dunedin							1 2*				25			1.04*			121
Tapanui 550 64.9 43.7 54.3 84.5 11 32.6 7 3.55 15 1.65 30 East Gore 245 66.7 44.7 55.7 $+2.6$ 77.0 3 32.0 8 3.67 18 $+0.46$ 1.53 30 Gore 240 65.7 44.9 55.3 $+1.8*$ 76.0 19 31.0 8 3.45 16 $+0.24*$ 1.33 30 162 Otautau 180 62.5 44.1 53.3 $+1.2*$ 72.1 16 29.2 8 2.91 16 $-0.60*$ 0.68 30 145 Pebly Hills 150 64.1 44.0 54.0 73.5 16 29.0 8 3.89 18 $+0.34*$ 1.01 30 Invercargill South 8 63.5 47.4 55.4 $+2.4$ 73.1 3 32.8 8 4.54 19 $+0.81$ 1.04 8 Invercargill Airfield 0 61.7 45.3 53.5 $+1.7$ 71.0 3 29.4 8 4.77 20 $+1.13$ 1.22 8 155 $+0.85$ Observations for 26 days.  Wallaceville, October, 1956 195 62.1 47.4 54.8 $+3.0*$ 70.9 28 35.6 17, 18 3.12 18 $-1.89*$ 1.17 10 132 Molesworth, October, 1956 2,930 55.4 37.5 46.4 $+0.2*$ 67.0 19 30.0 12 2.51 17 $+0.13*$ 0.46 3																	
East Gore							+1.0.							+0.12	1		132
Gore   240   65 · 7   44 · 9   55 · 3   $+1 \cdot 8*$   76 · 0   19   31 · 0   8   3 · 45   16   $+0 \cdot 24*$   1 · 33   30   162 Otautau   180   62 · 5   44 · 1   53 · 3   $+1 \cdot 2*$   72 · 1   16   29 · 2   8   2 · 91   16   $-0 \cdot 60*$   0 · 68   30   145 Pebbly Hills   150   64 · 1   44 · 0   54 · 0     73 · 5   16   29 · 0   8   3 · 89   18   $+0 \cdot 34*$   1 · 01   30   Invercargill South   8   63 · 5   47 · 4   55 · 4   $+2 \cdot 4$   73 · 1   3   32 · 8   8   4 · 54   19   $+0 \cdot 81$   1 · 04   8   Invercargill Airfield   0   61 · 7   45 · 3   53 · 5   $+1 \cdot 7$   71 · 0   3   29 · 4   8   4 · 77   20   $+1 \cdot 13$   1 · 22   8   155   $+1 \cdot 7$   Observations for 26 days.  Wallaceville, October, 1956   195   62 · 1   47 · 4   54 · 8   $+3 \cdot 0*$   70 · 9   28   35 · 6   17, 18   3 · 12   18   $-1 \cdot 89*$   1 · 17   10   132 Molesworth, October, 1956   2,930   55 · 4   37 · 5   46 · 4   $+0 \cdot 2*$   67 · 0   19   30 · 0   12   2 · 51   17   $+0 \cdot 13*$   0 · 46   3		ł					13.6							10.46			
Otautau																	162
Pebbly Hills $150$ $64 \cdot 1$ $44 \cdot 0$ $54 \cdot 0$ $73 \cdot 5$ $16$ $29 \cdot 0$ $8$ $3 \cdot 89$ $18$ $+0 \cdot 34 \cdot 1 \cdot 01$ $30$ Invercargill South $8$ $63 \cdot 5$ $47 \cdot 4$ $55 \cdot 4$ $+2 \cdot 4$ $73 \cdot 1$ $3$ $32 \cdot 8$ $8$ $4 \cdot 54$ $19$ $+0 \cdot 81$ $1 \cdot 04$ $8$ Invercargill Airfield $0$ $61 \cdot 7$ $45 \cdot 3$ $53 \cdot 5$ $+1 \cdot 7$ $71 \cdot 0$ $3$ $29 \cdot 4$ $8$ $4 \cdot 77$ $20$ $+1 \cdot 13$ $1 \cdot 22$ $8$ $155$ $†$ Observations for 26 days.  LATE RETURNS  Wallaceville, October, $1956$ $195$ $62 \cdot 1$ $47 \cdot 4$ $54 \cdot 8$ $+3 \cdot 0 \cdot 10 \cdot 10$ $28$ $35 \cdot 6$ $17 \cdot 18$ $3 \cdot 12$ $18$ $18$ $18$ $18$ $19$ $19$ $19$ $19$ $19$ $19$ $19$ $19$		1													1		
Invercargill South   8   63.5   47.4   55.4   $+2.4   73.1   3   32.8   8   4.54   19   +0.81   1.04   8  Invercargill Airfield   0   61.7   45.3   53.5   +1.7   71.0   3   29.4   8   4.77   20   +1.13   1.22   8   155$		1					T1.7.		1,10								
Invercargill Airfield 0 61·7 45·3 53·5 $+1·7$ 71·0 3 29·4 8 4·77 20 $+1·13$ 1·22 8 155 $+$ Observations for 26 days.  LATE RETURNS  Wallaceville, October, 1956   195   62·1   47·4   54·8   $+3·0*$   70·9   28   35·6   17, 18   3·12   18   $-1·89*$   1·17   10   132 Molesworth, October, 1956   2,930   55·4   37·5   46·4   $+0·2*$   67·0   19   30·0   12   2·51   17   $+0·13*$   0·46   3							+2.4										
† Observations for 26 days.  LATE RETURNS  Wallaceville, October, 1956   195   62·1   47·4   54·8   +3·0*  70·9   28   35·6   17, 18   3·12   18   -1·89*  1·17   10   132   18   Molesworth, October, 1956   2,930   55·4   37·5   46·4   +0·2*  67·0   19   30·0   12   2·51   17   +0·13*  0·46   3									3								155
Wallaceville, October, $1956 \mid 195 \mid 62 \cdot 1 \mid 47 \cdot 4 \mid 54 \cdot 8 \mid +3 \cdot 0^* \mid 70 \cdot 9 \mid 28 \mid 35 \cdot 6 \mid 17, 18 \mid 3 \cdot 12 \mid 18 \mid -1 \cdot 89^* \mid 1 \cdot 17 \mid 10 \mid 132 \mid 18 \mid 195 \mid 195$	Invereargin Annoid	••	Ü	51 /	. 10 0		•				0			:		3	
Wallaceville, October, $1956 \mid 195 \mid 62 \cdot 1 \mid 47 \cdot 4 \mid 54 \cdot 8 \mid +3 \cdot 0^* \mid 70 \cdot 9 \mid 28 \mid 35 \cdot 6 \mid 17, 18 \mid 3 \cdot 12 \mid 18 \mid -1 \cdot 89^* \mid 1 \cdot 17 \mid 10 \mid 132 \mid 18 \mid 195 \mid 195$					• .	•											
Molesworth, October, 1956   2,930   55·4   37·5   46·4   +0·2*   67·0   19   30·0   12   2·51   17   +0·13*   0·46   3	Wallaceville October 1	956	195	62 · 1	47.4	54.2				35.6	17 18	3.12	18	-1.80*	1.17	10	132
														+0.13*			132
																	173

Note—At stations where departures from normal have an asterisk, the temperature record has been maintained for less than ten years, the rainfall record for less than twenty years. Rainfall normals have been revised and now refer to the standard period 1921–50. Where observations are not available for the whole period, or where the site of the rain gauge has been changed, the normals are partly interpolated.

## Notes on the Weather for November 1956

General: November was a month of unsettled weather. For most of the country the combination of adequate rain and warm temperatures proved favourable for growth, but in some inland districts of the South Island it was too wet. Shearing and haymaking have been delayed in many districts of both islands.

A small local tornado passed over Roto-o-Rangi, near Cambridge, on the 6th

on the 6th.

Rainfall: Rainfall was more than 50 per cent above normal over most of the provinces of Taranaki, Canterbury, and Otago. The interior of Canterbury and North Otago received mainly two to three times as much rain as usual.

The only substantial area with rainfall appreciably below normal

was southern Hawke's Bay.

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A number of severe thunderstorms with hail were reported in Taranaki and the National Park - Taihape area on the afternoon of the 26th. In New Plymouth 1.75 inches of rain fell in just under an hour, flooding many streets and causing considerable damage. Another thunderstorm downpour affected New Plymouth in the early hours of December 1st, again causing flooding.

It has been an unusually wet year in the North Island. In the northern half of Northland the rainfall to date already exceeds any previous totals for the whole year.

Temperature: Mean temperatures were a degree above normal over most of Southland, in coastal districts of Otago and South Canterbury, also in southern and eastern districts of the North Island. The Palmerston North - Napier area was two degrees warmer than usual.

In the interior of the South Island temperatures were below normal by a degree.

Sunshine: Sunshine was below normal, except in parts of Northland and Taranaki and in the Wellington - Palmerston North area. In some western and inland districts of the South Island the deficiency amounted to 2–3 hours per day. For Lake Tekapo, Alexandra, and Queenstown it was the cloudiest November in 25–30 years of record years of record.

Weather Sequence: On the 1st a deep depression from the Tasman Sea moved across the South Island, bringing rain to the whole country. For the next two days fair weather prevailed under the influence of a ridge of high pressure extending from an anticyclone to the north.

From the 4th to the 7th two more depressions crossed the South Island. The weather was unsettled in most districts and temporarily much colder, with snow well down on the Southern Alps. For the next five days an anticyclone was centred near the Chatham Islands, and at first a depression was stationary off the Westland coast. Later a deeper depression passed close to Southland. It was a period of unsettled weather, except in eastern areas from Canterbury to Gisborne. On the 8th and 9th a number of thunderstorms with hail

On the 13th a ridge of high pressure brought fair weather, but on the 13th a ridge of high pressure brought fair weather, but on the following day there was rain in Otago and Southland with the passage of a weak trough. From the 15th to the 18th the weather was fair and at times rather warm over the greater part of the country of the was fair and at times rather warm over the greater part of the country, under the influence of an anticyclone centred near the Chatham Islands. However, the presence of a depression over the central Tasman Sea caused rain on the West Coast; and a deep depression of tropical origin to the north brought showers to Northland. By the 19th the first of these two depressions covered New Zealand, with centres east and west of the South Island. For the next three days showery conditions predominated, with some severe thunderstorms in parts of Otago and Canterbury on the 20th. On the 23rd and 24th a depression moved down the east coast of the North Island, bringing rain to the Auckland Province, while a trough of low pressure affected most of the South Island.

For the remaining six days of the month westerly conditions prevailed as two depressions in succession passed to the south of the South Island. Unsettled weather prevailed, especially in western districts. Some severe thunderstorms were reported in the Taranaki-National Park - Taihape area on the 26th and in parts of the South Island on the 27th.

Island on the 27th.

M. A. F. BARNETT, Director.

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