



NEW ZEALAND  
GOVERNMENT GAZETTE  
PROVINCE OF CANTERBURY.

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Published by Authority.

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*All Public Notifications which appear in this Gazette, with any Official Signatures, are to be considered as Official Communications made to those persons to whom they may relate, and are to be obeyed accordingly.*

By His Honor's Command,

EDWARD JOLLIE,

Provincial Secretary.

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VOL. XV.

SATURDAY, APRIL 25, 1868.

No. XIX.

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Superintendent's Office,  
Christchurch, 24th April, 1868.

**I**, WILLIAM SEFTON MOORHOUSE, Superintendent of the Province of Canterbury, do hereby notify that, on behalf of his Excellency the Governor, I withhold my assent to

"The Diversion of Roads Special Bill,  
No. 1, 1868."

W. S. MOORHOUSE,  
Superintendent of Canterbury.

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Provincial Secretary's Office,  
Christchurch, 24th April, 1868.

**H**IS Honor the Superintendent directs it to be notified that he has been pleased to appoint

JOHN MARSHMAN

to be Assistant Provincial Treasurer during the absence of Norman Planta Thompson, on leave.

EDWD. JOLLIE,  
Provincial Secretary.

PROCLAMATION

By His Honor WILLIAM SEFTON MOORHOUSE, Esquire, Superintendent of the Province of Canterbury.

**W**HEREAS by an Ordinance of the Superintendent and Provincial Council of the Province of Canterbury, entitled "The Education Ordinance, 1864," it is among other things enacted that whenever the Board of Education shall call by advertisement a public meeting of owners and occupiers of land and householders in any district, and such meeting shall declare by the votes of the majority of the persons present (being such owners and occupiers of land and householders as aforesaid), that they are willing that the said district be formed into an Educational District under the Provisions of the said Ordinance, and shall declare their willingness to provide the proportion of the annual expenses of an Educational District, the Superintendent shall, as soon as conveniently may be, by Proclamation in the *Provincial Government Gazette*, declare such district to be an Edu-

VOL. XV., No. 19.

cational District under the said Ordinance, and such district shall thereupon become an Educational District accordingly :

And Whereas at a meeting duly called as aforesaid, and held at the Road Board Office, Springston, on Monday the 6th instant, the owners and occupiers of land and householders in the district specified in the Schedule hereunto annexed, did, by the votes of the majority there present, declare that they were willing that the said District should be formed into an Educational District; and further declared their willingness to provide the proportion of the annual expenses of an Educational District as provided in the said Ordinance.

Now therefore I, WILLIAM SEFTON MOORHOUSE, Superintendent of the said Province, in pursuance of the power in me vested by the said in part recited Ordinance, do hereby proclaim that the district specified in the Schedule hereunto annexed shall be an Educational District within the meaning of the said Ordinance.

Given under my hand, at Christchurch, this 22nd day of April, in the year of our Lord One thousand eight hundred and sixty-eight.

W. S. MOORHOUSE,  
Superintendent of Canterbury.

By His Honor's command,  
EDWARD JOLLIE,  
Provincial Secretary.

#### SCHEDULE.

##### SPRINGSTON EDUCATIONAL DISTRICT.

Commencing at the mouth of the L1 river; thence following up that river north-easterly to the western boundary of the Lincoln District; thence northerly along that boundary to the junction of Shand's road with the Lincoln and Coal Tramway road; thence along this latter road to its junction with Weeden and Springs road, and along the latter road to its junction with the road to Selwyn; thence south-westerly along this latter road to its junction with the Swamp road; thence southerly along that road to the river Selwyn; thence following the course of that river to Lake Ellesmere, and following the shores of the lake to the starting point.

Provincial Secretary's Office,  
Christchurch, 23rd April, 1868.

HIS Honor the Superintendent directs it to be notified that he has been pleased to appoint

EDWARD JOLLIE, Esq.,

to be a Commissioner of the Waste Lands Board.

EDWD. JOLLIE,  
Provincial Secretary.

Provincial Secretary's Office,  
Christchurch, 23rd April, 1868.

HIS Honor the Superintendent directs it to be notified that he has been pleased to appoint

DAVID MITCHELL MACKAY  
to be an Immigration Commissioner, vice Richard Ramsay Armstrong, resigned.

EDWD. JOLLIE,  
Provincial Secretary.

Provincial Secretary's Office,  
Christchurch, 23rd April, 1868.

HIS Honor the Superintendent directs it to be notified that he has accepted the service of the

LYTTELTON HOOK AND LADDER COMPANY  
as a duly enrolled Fire Brigade, under the "Fire Ordinance, 1864," and "The Fire Ordinance Amendment Ordinance, 1867."

EDWARD JOLLIE,  
Provincial Secretary.

I, WILLIAM SEFTON MOORHOUSE, Superintendent of the Province of Canterbury, in pursuance of the powers delegated to me under the "Diseased Cattle Act, 1861," and "The Diseased Cattle Act Amendment Act, 1865," do hereby appoint

HENRY HINGE,  
Sergeant GEORGE BEATTY,  
Sergeant CHARLES DAVIES,  
Constable JOSEPH JUDGE,  
Constable JOHN MULLIN,  
Constable ALFRED WALKER,

to be Inspectors under the aforesaid Acts, and under the Regulations published on the 21st instant. These appointments to take effect on and from Wednesday, the 29th instant.

Given under my hand at Christchurch, this twenty-fourth day of April, One thousand eight hundred and sixty-eight.

W. S. MOORHOUSE,  
Superintendent.

# RESULTS OF METEOROLOGICAL OBSERVATIONS

DEDUCED FROM DAILY REGISTERS KEPT AT THE  
GOVERNMENT STATIONS IN CHRISTCHURCH AND BEALEY,  
FOR FEBRUARY, 1868.

CHRISTCHURCH STATION.		BEALEY STATION.†	
Latitude	- 43° 32' 16" S.	-	- 43° 2' S.
Longitude	- 172° 38' 59" E.	-	- 171° 37' E.
Height above Sea	- 21 feet.	-	- 2,100 feet.
Distance from Sea	- 5 miles.	-	- 38 miles (West Coast).

  

		CHRISTCHURCH.	BEALEY.
Barometer corrected and reduced to 32 deg. F.	Mean	29.765	†† 27.60
	Highest in Month	(13th) 30.226	(14th) 29.96
	Lowest in Month	(3rd) 29.096	(3rd) 26.97
Self-registering Thermometers. In Shade, and protected.	Mean Temperature of Atmosphere	59.5	53.7
	Mean of all Highest	67.1	61.9
	Mean of all Lowest	51.9	45.5
	Highest in Month	(20th) 85.3	(1st) 78.0
	Lowest in Month	(21st) 42.2	(26th) 32.0
	Mean Daily Range	15.2	16.5
Self-registering Thermometers. Maximum in Sun.	Mean	97.5	76.7
	Highest	(20th) 131.0	(1st) 111.0
Self-registering Thermometers. Minimum on Grass.	Mean	43.3	33.1
	Lowest	(21st) 26.6	(26th) 14.0
Hygrometer (deductions).	Mean Temperature of Evaporation	55.4	49.7
	Mean Temperature of Dew Point	51.8	45.8
	Mean Tension of Vapour	.385	.308
	Mean Humidity (saturation=100)	76	75
	Mean Weight of a Cubic Foot of Air	530.0 grains	497.6 grains
	Mean Weight of Vapour in a Cubic Foot of Air	4.3 "	3.4 "
	Mean Weight required to saturate a Cubic Foot of Air	1.4 "	1.2 "
Rain.	Total amount collected in Inches	5.664	11.223
	Greatest Fall in one Day	(3rd) 1.503	(3rd) 3.070
	Number of Days it Fell	15	16
Wind.	Mean Velocity in Miles per Day	183	73
	Greatest Velocity in Miles per Day	(12th) 301	(21st) 260
Cloud.	Mean Amount (0=clear, 10=overcast)	4.9	6.8

† Observer at Bealey, JOHN M. MURCK, Esq., Telegraph Manager.

†† By Aneroid.

## REMARKS.

CHRISTCHURCH. The first day of the month was warm and cloudless, with a light easterly breeze, but a sudden change in the weather occurred on the 2nd, which was overcast, cold and gloomy. At 10 p.m. on that day the rain began to fall, at first gently, but very heavy later, and all day on the 3rd until 8 p.m.,

at which hour 2.195 inches had been collected in the previous 22 hours, a quantity which has been exceeded though very seldom in Christchurch, without causing any remarkable flood. The wind which on Sunday the 2nd was S.W., changed at night when the rain began to S.E., from which point it blew steadily for 24 hours, rising to a gale for a short time in the morning, and for some hours in the evening of the 3rd. The Barometer which had been high and steady for a fortnight previous, read 29.996\* on the morning of the 1st, and 29.880 on the morning of the 2nd. It continued to fall steadily on that day; but more rapid as the night approached; at 9.30 a.m. on the 3rd it read 29.424, and at 6.30 p.m. 28.915, the minimum observed. The 4th, 5th, and 6th days of the month were remarkably fine; but on the night of the latter day there was again a heavy fall of rain equal to 0.90 inches in five hours; after which the weather was unsettled until the 11th. From the 12th to the 24th bright weather prevailed, but very hot on the 20th when the thermometer in shade registered 85°.3. Heavy rain fell all day on the 25th and 26th equal to 1.042 inches, and 1.080 inches respectively. The remainder of the month was very fine, with the exception of the evening of the 28th when there was some thunder and vivid lightning, accompanied by a slight shower of rain. The mean temperature of the month was 3° below the average, or 59.5 compared to 62.5. The rainfall was far above, namely 5.664 inches on 15 days, against 1.259 inches on 8 days. There was one gale of wind, as already stated, on the 3rd; and a strong hot northwester on the 20th. Sheet lightning was seen on the evenings of the 6th, 20th, and 21st. The exposed thermometer on grass fell below freezing point on the nights of the 8th, 21st, and 27th. Mean direction of the wind E.S.E. A slight shock of earthquake was felt generally throughout the Province on the morning of the 1st, about 8 o'clock.

Rainfall in January and February each year, as follows:—

1868 ...	10.867 inches on 28 days.
1867 ...	1.501 " 10 "
1866 ...	5.753 " 14 "
1865 ...	1.872 " 10 "
1864 ...	3.442 " 15 "

#### BEALEY.

At this station the weather was very fine on the 1st; but at 11 p.m. on the 2nd a S.W. gale commenced with heavy rain, which continued until the evening of the 4th. The three following days were more or less wet, also the 10th and 11th; but the remaining days until the 19th were in general very fine. A week's broken weather occurred then again, with frequent showers of rain, and a fall of several inches of snow on the 26th. The three last days of the month

N.B.\*—The Barometer readings taken at Christchurch are corrected, and reduced to 32° F. at 25 feet above mean sea level.

were very fine and clear. The heaviest rainfall was 3.070 inches in 24 hours, ending 9.30 a.m. on the 4th. The mean temperature of the month was 53°.7 or 5°.8 below Christchurch. Total rainfall 11.223 inches on 16 days, making the total since January 1st 24.707 inches on 34 days.

The disastrous floods which occurred in the beginning of the month of February throughout the eastern portion of the Province were caused by a tremendously heavy fall of rain on the 3rd, commencing generally an hour before midnight on the 2nd. The heaviest rain appears to have fallen on the eastern slopes of the mountains bordering the plains, and to have extended northwards and southwards into the neighbouring provinces. Near Mount Peel, on the Rangitata, J. B. Acland, Esq., registered the rainfall in that period with the following results. The rain commenced to fall there at midnight on the 2nd, with a southerly wind:—

At 10 a.m., on the 3rd,	2.40 in. were collected
" 4 p.m. "	2.00 "
" 5 " "	0.50 "
" 12 " "	3.18 "

Or a total of †8.08 inches in 24 hours, quite sufficient to account for the destructive and unparalleled floods which followed. Total rainfall at Mount Peel for the month was 11.195 inches on 14 days.

At Nelson, Henry Churton, Esq., Meteorological observer, gives the following particulars of the rainfall on February:—On the 3rd, 1.40 in.; on the 4th, 4.48 in.; and on the 5th, 7.03 in.—or 12.91 in three days; and for the whole month, 19.75 ins. At 9.30, on the morning of the 4th, there was, moreover, a very heavy fall of hail, the pieces of ice measuring 1½ inches by 1 inch, and weighing upwards of two drachms. At that station, the barometer reached its minimum, viz.: 28.682m., at 2 p.m. on the 3rd.

In Southland, at the other extreme of the island, C. R. Morten, Esq., Meteorological Observer, reports a gale from S.E. on the 3rd, but without rain. Barometer, min., 29.32 on the 4th, just before a very severe thunder-storm, which lasted for four hours, but the rainfall on that day was also very slight. At Waikiri, in the same district, there occurred a similar thunder-storm to the Nelson one, when angular pieces of ice the size of walnuts fell, and did much damage. Just the opposite to what prevailed in Christchurch, the 5th, 6th, and 7th of the month were very wet and stormy in Southland.

The same S.E. gales also visited Dunedin, where, however, the rainfall was not remarkably heavy; but further inland the fall was very great, and caused unprecedented floods, and loss of life and property.

R. L. HOLMES,

Meteorological Observer, Christchurch.  
Meteorological Office,  
Christchurch, March 14, 1868.

† Such a fall of 8.08 inches gives 177,760 gallons, or 3,292 hogheads, or 29,330 cubic feet of water to every acre.

#### CHRISTCHURCH:

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