



NEW ZEALAND
GOVERNMENT GAZETTE
PROVINCE OF CANTERBURY.

Published by Authority.

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,

F. E. STEWART,
Provincial Secretary.

VOL. XIII.]

THURSDAY, NOVEMBER 1, 1866.

[No. LXXVI.]

Provincial Secretary's Office,
Christchurch, Oct. 30, 1866.

HIS Honor the Superintendent directs it to be notified that he has appointed the following persons to be Inspectors of Slaughter-houses; viz.—

Constable MÖLLER for the Greymouth District, *vice* Constable O'Callaghan, transferred.

Sergeant BYRNE for the Hokitika District, *vice* Sergeant White, transferred.

Constable HORNIMAN for the Christchurch District, *vice* Sergeant Barry, resigned.

Sergeant BARLOW for the Leithfield District.

F. E. STEWART,
Provincial Secretary.

CHRISTCHURCH CITY COUNCIL.

BYE-LAW, No. 3.

BYE-LAW for regulating the driving of Cattle within the City of Christchurch:—

Excepting in the cases hereinafter specified, no Cattle shall be driven within the City of Christchurch between the hours of nine o'clock A.M. and five o'clock P.M.

Oxen in yoke may be so driven within the said hours.

Cattle found trespassing within the City may be driven to Pound between the said hours.

Every person driving, assisting to drive, or causing to be driven, any Cattle in contravention of this Bye-Law, shall be liable to a penalty not exceeding the sum of Ten Shillings per head for every head of Cattle so driven.

The Town Belt shall not be considered to be within the City of Christchurch for the purposes of this Bye-Law.

The word "Cattle" shall, for the purposes of this Bye-Law, be deemed to include all horned and neat Cattle of all ages and of either sex, and to apply to one of any such animals driven alone as well as to a mob or herd.

Made by the Council at a Meeting held on the 22nd October, 1866.

EDWARD B. BISHOP,
Chairman of the Christchurch
City Council.

GEORGE GORDON,
Town Clerk.

Assented to by the Superintendent, with the advice of the Executive Council, at a Meeting held on Thursday, November 1, 1866.

W. S. MOORHOUSE,
Superintendent.

F. E. STEWART,
Secretary for Public Works.

Vol. 13.—No. 76.

MONTHLY LIST OF ARRIVALS AND DEPARTURES IN THE PORT OF LYTTELTON, FROM THE 1ST TO THE 30TH SEPTEMBER, 1866.

INWARDS.				OUTWARDS.							
DATE OF ARRIVAL.	NAME OF SHIP.	TONS.	FROM WHENCE.	PASSENGERS.			DESTINATION.	PASSENGERS.			
				Males.	Females.	Children.		Males.	Females.	Children.	
1866: September 3	Wellington	262	Wellington	17	12		Dunedin	1	4		
" 3	Nora	25	Timaru				Wellington				
" 6	Antelope	17	Akaroa	17	5		Wellington	10	8		
" 6	Geelong	137	Akaroa	10	1		Dunedin				
" 6	Phebe	416	Dunedin				Akaroa				
" 7	Star of the Evening	166	Wellington	3	1		Dunedin				
" 10	Taranaki	299	Wellington	18	3		Akaroa				
" 10	Otago	457	Wellington	4	1		Akaroa				
" 10	Pearl	28	Havelock				Dunedin				
" 10	Wainui	87	Akaroa	1	1		Akaroa				
" 12	Star of the Evening	166	Wellington	1	1		Hokitika				
" 14	Wellington	262	Dunedin	9	9		Wellington				
" 15	Beautiful Star	137	Akaroa	5	2		Akaroa				
" 17	Geelong	523	Wellington	5	1		Dunedin				
" 18	Taranaki	308	Wellington				Dunedin				
" 20	Egmont	50	Dunedin				Wellington				
" 20	Spray	166	Hokitika				Wellington				
" 21	Star of the Evening	17	Wanganui				Wellington				
" 21	Antelope	42	Akaroa				Wellington				
" 21	Isabella Jackson	20	Hokitika				Wellington				
" 21	Australian Maid	209	Hokitika	3	4		Hokitika				
" 21	Taranaki	453	Dunedin	2			Dunedin				
" 21	Albion	87	Dunedin	3	1		Dunedin				
" 22	Wainui	87	Dunedin	11	1		Akaroa				
" 25	Bangitoto	449	Wellington				Wellington				
" 25	Lord Ashley	296	Dunedin				Wellington				
" 28	Total Tonnage	5,297	Total Passengers	129	38		Total Passengers	55	22		
				FOREIGN SHIPPING.							
1866: September 5	Sir Ralph Abercromby	743	London	19	11		Newcastle				
" 10	Zephyr	337	Newcastle				Newcastle				
" 11	Indus	368	Newcastle				Newcastle				
" 11	Camden	234	Sydney				Newcastle				
" 11	Rona	150	Korotonga				Newcastle				
" 22	Ellen Castle	328	Sydney				Newcastle				
" 24	Craig Ellachie	226	Newcastle				Newcastle				
" 24	Golden Age	381	Newcastle				Newcastle				
" 24	Total Tonnage	2,767	Total Passengers	20	12		Total Passengers	744			

Harbour Master's Office, Lyttelton, 11th October, 1866. A. SPROUL, Harbour Master.

RESULTS OF METEOROLOGICAL OBSERVATIONS

DEDUCED FROM DAILY REGISTERS KEPT AT THE

Government Stations in Christchurch and Hokitika, for September, 1866.

	CHRISTCHURCH STATION.	HOKITIKA STATION.*	
Latitude - - - -	43° 32' 16" S.	42° 41' 30" S.	
Longitude - - - -	172° 38' 59" E.	170° 59' 0" E.	
Height above Sea - - - -	21 feet.	8 feet.	

	CHRISTCHURCH.	HOKITIKA.	Christchurch Mean for September, 1864-1865.
Mean Atmospheric Pressure (Barometer corrected and reduced)	29·787	29·794	29·767
Greatest Pressure - - - - -	(2nd) 30·338	(1st) 30·489	30·364
Least Pressure - - - - -	(29th) 29·012	(29th) 29·089	29·026
Mean Pressure of Vapour in Inches of Mercury - - - -	·317	·364	·288
Mean of Highest Day Temperature in Shade - - - -	58·2	58·8	58·1
Mean of Lowest Night Temperature in Shade - - - -	43·5	43·3	41·0
Mean Temperature of Atmosphere in Shade - - - -	50·8	51·2	49·5
Highest Temperature in Shade - - - - -	(2nd) 70·7	(11th) 64·8	69·9
Lowest Temperature in Shade - - - - -	(27th) 34·6	(9th) 32·1	29·9
Mean Daily Range - - - - -	14·3	15·7	17·1
Mean Solar Radiation - - - - -	90·7	74·3	80·4
Maximum ditto - - - - -	(19th) 120·2	(5th) 84·0	95·5
Mean Nocturnal Radiation - - - - -	35·6	39·7	35·7
Minimum ditto - - - - -	(23rd) 24·3	(9th) 28·5	21·8
Mean Temperature of Dew-point - - - - -	46·2	50·1	43·7
Mean Degree of Moisture (saturation = 100) - - - -	78	89	77
Number of Days on which Rain fell - - - - -	9	20	11
Total Rainfall in Inches on ground - - - - -	0·704	8·16	1·792
Greatest Daily Fall - - - - -	(28th) 0·182	(12th) 1·43	0·597
Mean Amount of Cloud (overcast = 10) - - - - -	5·2	7·0	4·7
Mean Velocity of Wind in Miles per Day - - - - -	177	126	180
Greatest ditto ditto - - - - -	(11th) 422	(7th) 336	414
Least ditto ditto - - - - -	(23rd) 60	(2nd) 39	82
Mean Direction of the Wind - - - - -	E.S.E.	E.N.E.	—
Mean Weight of a Cubic Foot of Air - - - - -	537·7 grains	537·0 grains	538·6 grains
Vapour in a Cubic Foot of Air - - - - -	3·55 ..	4·08 ..	3·40 ..
Vapour required to saturate a Cubic Foot of Air - -	1·00 ..	0·55 ..	1·00 ..

NOTE.—The Barometer is corrected for Index Error, &c., and reduced to 32 deg. Fah.

* Observer, JAMES ROCHFORD, Esq., District Engineer.

REMARKS.

CHRISTCHURCH.

The month commenced with a week of very warm dry weather. On the morning of the 8th it blew a gale from N.W. for six hours, followed by a bright sunny day and calm night. The 9th was overcast and cold, with a little mist falling at night. The 10th was cloudless, with a strong easterly breeze. On the 11th and 12th it blew hard day and night from the same direction, with a clear sky; 422 miles of wind passed the station in

24 hours, ending 9.30 a.m. on the 12th, a daily velocity that has been only once exceeded in the last two years. The thermal range during that 24 hours was only 3·8; mean temperature in the shade, 49·5. The 13th was warm and bright. On the 14th and 15th heavy cloud masses covered the sky, giving promise of the much wished for rain, but only a few light showers fell, equal in all to about three-hundredths of an inch in depth. Five days of remarkably fine weather followed, very warm in the daytime,

and occasional slight frosts at night. On the 19th and 20th solar radiation rose to $120^{\circ}\cdot 2$ and $119^{\circ}\cdot 7$ respectively; such a heat in the sun's rays was not registered last year until the middle of December. On the 21st the weather changed, and except on the 26th and 30th, which were fine and pleasant, cold cloudy days prevailed to the close of the month. Frequent showers of rain fell during this period, but the total fall for the month was less than three-quarters of an inch, much below what was required for agricultural purposes; the grass and crops being still very much in want of a seasonable supply of moisture. Spontaneous evaporation, exposed to wind and sun, during the month was $2\cdot 814$ inches. The exposed thermometer on grass (nocturnal radiation) fell below 32° Fah. on nine nights. No thunder storms, or gales other than those mentioned above, occurred; but very bright sheet lightning was seen on the evening of the 7th, over the mountains to the N.W., during the prevalence of very severe weather there and on the West Coast.

Appended to the above Table, for the sake of comparison, are some of the principal results for the same month in the two preceding years, by which it will be seen that the mean temperature of last month exceeded the average by $1^{\circ}\cdot 3$; the most remarkable difference being in the heat of the sun's rays, which was $10^{\circ}\cdot 3$ above the mean.

HOKITIKA.

While Christchurch and the Canterbury Plains were suffering from want of rain, a considerable quantity fell as usual in the back country and along the West Coast, as

shown in the above Table. From the 1st to the 6th the weather was in general fine, with light showers of rain each day. On the 7th there was a heavy rainfall, and at night a storm blew from N.W., with thunder and lightning. Two fine days succeeded, followed by another thunderstorm on the morning of the 12th, with heavy rain. The 13th and 14th were partly wet; the 15th and 16th fine. The night of the 17th was squally, with showers of rain; so also were the 18th, 19th, 20th, and 21st; the wind generally from the north during that period. The 25th and 26th were stormy in the afternoon, from S.W. The remainder of the month was tolerably fine, except the afternoon of the 28th, which was wet, and the 30th, which was showery.

The accompanying diagram shows at a glance that the barometer oscillated greatly, while the usual remarkable accordance of readings on both coasts is still observable. Very high at the beginning of the month, the mercury fell steadily till the night of the 7th, when the abovementioned rough weather occurred at Hokitika and among the mountains. During the next two days it rose nearly an inch, falling again on the 13th and 14th, when similar weather prevailed in that district. Rising after that date to the evening of the 14th, when it fell steadily until the 19th, when it reached $29\cdot 35$. On the 20th and 21st it again rose nearly an inch, but regained its former level on the 26th. On the 29th the lowest reading in the month was recorded; viz. $29\cdot 01$. The month closed with the glass still very low, but rising slowly.

R. L. HOLMES,
Meteorological Observer,
Christchurch.

Provincial Secretary's Office,
Christchurch, Nov. 1, 1866.

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

JAMES SOMERVILLE TURNBULL, M.D.,

to be Visiting Physician to the Christchurch Hospital.

F. E. STEWART,
Provincial Secretary.

Provincial Secretary's Office,
Christchurch, Nov. 1, 1866.

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

HENRY HORSFORD PRINS, M.R.C.S.,

to be Visiting Surgeon to the Christchurch Hospital.

F. E. STEWART,
Provincial Secretary.

Provincial Secretary's Office,
Christchurch, Nov. 1, 1866.

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

LLEWELLYN POWELL, M.R.C.S.,

to be House Surgeon at the Christchurch Hospital.

F. E. STEWART,
Provincial Secretary.

Provincial Secretary's Office,
Christchurch, Nov. 1, 1866.

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

JOHN WILLIAM SMITH COWARD, M.R.C.S.,
to be Surgeon to the Lunatic Asylum, Gaol, and Police, and Immigration Barracks, Christchurch.

F. E. STEWART,
Provincial Secretary.

CHRISTCHURCH:

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