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WEATHER BUREAU

No. 209.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JANUARY, 1897.

KINGSTON :—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Day.	Barometer. * 7 a.m. I.	7 a.m. II.	3 p.m. I.	3 p.m. II.	Mean. II.	Thermometer (F.) 7 a.m.	3 p.m.	Max.	Min.	Range.	Dew Point and Humidity. 7 a.m.		3 p.m.		Wind. Direction (from) and miles per hour. 7 a.m.		3 p.m.		Mean for the day.		Total Miles of Wind.
	30 or 29 In.	30 or 29 In.	30 or 29 In.	30 or 29 In.	30 or 29 In.	°	°	°	°	°	°		°								
1	.953	.935	.913	.962	.949	68.7	82.9	85.8	68.1	17.7	65.0	88	69.2	58	N	1	S	1	N	3	70
2	.972	.954	.882	.931	.943	66.6	86.2	88.2	65.7	22.5	62.6	87	63.3	47	N	1	SW	2	SW	3	71
3	.932	.914	.869	.918	.916	66.5	82.6	84.8	66.3	18.5	58.9	77	60.9	48	N	2	SW	2	SW	3	68
4	.901	.883	.819	.868	.876	70.2	80.6	82.7	66.1	16.6	62.8	78	63.1	55	N	2	S	3	N	3	64
5	.894	.876	.837	.886	.881	66.9	81.3	84.7	64.9	19.8	54.0	63	59.8	48	N	3	S	4	E	4	88
6	.951	.933	.916	.965	.949	65.6	82.6	83.9	65.2	18.7	58.2	77	61.1	48	N	1	S	2	E	3	82
7	.025	.007	.857	.906	.967	68.3	81.5	83.3	69.2	14.1	59.9	75	60.8	49	N	1	S	3	N	3	80
8	.057	.039	.870	.919	.979	70.6	81.8	84.7	67.8	16.9	67.4	90	60.0	48	N	4	N	3	N	3	79
9	.087	.069	.881	.930	.990	69.5	81.9	84.9	63.8	21.1	60.8	74	59.9	49	N	1	N	4	NNE	3	74
10	.094	.076	.004	.053	.065	63.9	80.3	81.5	62.2	19.3	54.6	72	57.6	46	N	1	N	2	N	4	96
11	.082	.064	.969	.018	.041	64.2	80.6	83.1	62.4	20.7	55.2	73	59.1	48	N	2	SW	2	Var.	5	113
12	.041	.023	.931	.980	.002	63.2	81.6	83.2	62.0	21.2	56.4	79	61.8	51	N	1	SSW	1	SW	3	81
13	.019	.001	.938	.987	.994	65.6	84.2	87.4	64.3	23.1	58.2	77	66.1	55	N	2	SE	7	SE	3	84
14	.013	.995	.932	.981	.988	68.7	81.4	85.7	68.3	17.4	62.1	80	66.1	60	N	3	SE	8	SE	4	88
15	.005	.987	.913	.962	.975	67.1	83.2	85.6	66.2	19.3	60.1	81	64.5	58	N	1	SE	5	SE	4	97
16	.954	.936	.860	.909	.923	68.3	82.2	84.5	66.9	17.6	59.9	76	64.7	56	N	2	SSE	4	Var.	4	91
17	.953	.935	.899	.948	.947	65.7	82.3	85.4	64.0	21.4	61.0	85	63.9	54	N	1	SE	2	S	3	71
18	.977	.959	.935	.984	.972	69.5	86.8	89.5	64.4	25.1	60.8	74	66.8	52	N	2	SW	4	Var.	5	119
19	.997	.979	.919	.968	.974	68.6	83.7	86.2	67.4	18.8	59.9	74	64.6	53	N	3	S	3	N	5	115
20	.991	.973	.893	.942	.958	67.3	83.4	87.2	67.0	20.2	59.0	75	64.9	54	N	1	SSE	7	SSE	5	113
21	.951	.933	.881	.930	.932	67.8	82.7	86.1	66.8	19.3	60.1	76	67.0	59	N	3	SE	3	SSE	5	109
22	.978	.955	.886	.935	.945	67.8	83.5	87.7	67.3	20.4	61.4	80	67.9	59	N	2	SE	6	SSE	4	96
23	.960	.942	.876	.925	.934	69.6	84.7	87.2	67.9	19.3	58.8	69	65.7	53	N	2	SE	6	SE	4	101
24	.941	.923	.882	.931	.927	68.5	84.5	86.3	67.3	19.0	57.6	68	66.2	54	N	3	S	5	S	4	99
25	.948	.930	.881	.930	.930	68.2	83.8	85.0	67.0	18.0	62.3	82	68.7	61	N	1	S	3	SSE	3	76
26	.972	.954	.889	.938	.946	66.9	81.6	87.3	64.0	23.3	61.4	68	67.1	62	N	2	SE	8	SE	4	91
27	.970	.952	.902	.951	.967	72.4	83.7	85.9	69.1	16.8	67.3	84	68.5	61	Z	0	S	1	S	2	59
28	.007	.989	.971	.020	.005	72.7	77.3	87.5	71.7	15.8	67.7	84	69.1	76	N	1	Z	0	S	3	67
29	.044	.026	.950	.999	.013	69.9	84.3	88.4	68.3	20.1	61.8	76	69.2	61	N	3	SE	9	SSE	6	154
30	.012	.994	.967	.016	.004	77.4	84.2	85.9	76.3	9.6	67.8	72	69.4	61	E	1	SE	8	SSE	7	176
31	.042	.024	.961	.010	.017	68.5	82.9	87.2	67.4	19.8	61.9	79	68.7	63	N	1	SE	7	SEE	4	98
Means.	29.991	29.973	29.907	29.956	29. 964	68.2	82.7	85.7	66.6	19.1	60.5	77	64.7	55	N	1.8	S by E	4.2	SSE	3.8	92.7

* Explanation. Bar. I.=Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32.° and of Mean sea level and of Gravity at Latitude 45°

Bar. II.=Barometer further reduced to Diurnal Mean (Corr. being for this month at 7 a.m.—.013 and at 3 p.m. + .049)

National Oceanic and Atmospheric Administration

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March 28, 2002

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Day.	Clouds (in tenths of the sky). 7 a.m. Lower.	7 a.m. Middle.	7 a.m. Upper.	3 p.m. Lower.	3 p.m. Middle.	3 p.m. Upper.	Rainfall. Ins.	Weather: Remarks, &c.
							Ins.	
1	...	...	...	...	1 Cum.	...	0.00	Fine, but hazy a.m. Fine p.m.
2	...	...	...	...	1 Cum. SE	...	0.00	Fine but hazy a.m. Fine p.m.
3	...	...	...	...	2 Cum. SE	1 Cir.	0.00	Fine but hazy.
4	...	1 Alt. Cum.	7 Cir. & Cir. Str.	...	1 Cum.	...	0.00	Cloudy a.m. Fine p.m.
5	...	...	...	...	1 Cum.	...	0.00	Fine but hazy a.m. Fine p.m.
6	...	...	...	...	1 Cum. E	...	0.00	Fine but hazy a.m. Fine p.m.
7	...	2 Alt. Cum.	6 Cir. & Cir. Str.	...	3 Alt. Cum.	6 Cir. & Cir. Str.	0.00	Cloudy.
8	...	1 Alt Cum.	7 Cir. & Cir. Str.	...	2 Cum.	...	0.00	Cloudy a.m. Fine p.m.
9	...	...	1 Cir.	...	2 Cum.	1 Cir.	0.00	Fine but hazy a.m. Fine p.m.
10	...	...	...	...	...	...	0.00	Fine but hazy a.m. Fine p.m.
11	...	...	...	...	...	...	0.00	Fine but hazy a.m. Fine p.m.
12	...	...	...	...	1 Cum. W	...	0.00	Fine but hazy a.m. Fine p.m.
13	...	...	...	3 Str. Cum. SE	2 Cum	...	0.00	Fine but hazy a.m. Fair p.m.
14	...	...	...	3 Str. Cum. SE	2 Cum.	3 Cir. & Cir. Str. SE	0.00	Fine but hazy a.m. Cloudy p.m.
15	...	...	...	...	2 Alt. Cum. 2 Cum.	...	0.00	Fine a.m. Fair p.m.
16	...	...	...	...	1 Alt. Cum. 2 Cum.	1 Cir Str SE	0.00	Fine but hazy a.m. Fair p.m.
17	...	...	...	...	...	2 Cir. & Cir. Str. E	0.00	Fine but hazy a.m. Fine p.m.
18	...	...	2 Cir. Str.	1 Str. Cum.	1 Cum. SE	2 Cir. & Cir. Str. SE & W	0.00	Fine a.m. Fair p.m.
19	...	...	...	...	...	2 Cir. & Cir. Str.	0.00	Fine but hazy a.m. Fine p.m.
20	...	...	...	...	1 Cum. SE	...	0.00	Fine.
21	...	...	...	...	1 Cum. E	...	0.00	Fine but hazy a.m. Fine p.m.
22	...	...	...	...	1 Cum.	...	0.00	Fine but hazy a.m. Fine p.m.
23	...	...	...	...	1 Cum.	...	0.00	Fine.
24	...	...	...	...	1 Cum. W	...	0.00	Fine.
25	...	...	2 Cir.	...	2 Cum.	4 Cir. & Cir. Str. E	0.00	Fine a.m. Cloudy p.m.
26	...	...	...	1 Str.	2 Cum. SE	6 Cir. & Cir. Str.	0.00	Fine but hazy a.m. Cloudy p.m.
27	1 Str. Cum. 4 Str.	...	4 Cir. & Cir. Str	...	1 Cum.	3 Cir. & Cir. Str.	0.00	Cloudy a.m. Fair p.m.
28	...	2 Cum. 4 Alt. Cum.	2 Cir. & Cir. Str. E	7 Str. Cum.	...	3 Cir. & Cir. Str.	0.02	Cloudy. Light rain from 2 to 2.23 p.m.
29	...	...	...	...	1 Cum. SE	...	0.00	Fine.
30	...	5 Alt. Cum.	2 Cir. & Cir. Str.	...	1 Cum. 1 Alt. Cum.	5 Cir. & Cir. Str.	0.00	Cloudy
31	...	...	1 Cir.	1 Str. Cum.	1 Cum.	2 Cir. & Cir. Str. E	0.00	Fine a.m. Fair p.m.
Means	2 o/o	5 o/o	11 o/o	5 o/o	14 o/o	14 o/o	...	Number of rainy days 1. Fine.
Total	...	...	...	...	...	...	0.02	

RESULTS AT OTHER STATIONS.

Station.	Elevation	Means for the Month. Temperature. 7 a.m.	3 p.m.	Max.	Min.	Range.	Dewpoint. 7 a.m.	3 p.m.	Humidity. 7 a.m.	3 p.m.	Extremes for the Month. Temperature. Max.	Date.	Min.	Date.	Range.	Total Rainfall.
	ft.	°	°	°	°	°	°	°			°		°		°	In.
King's House ...	400	66.4	83.5	87.8	59.2	28.6	62.4	73.2	87	69	91	30*	54	2†	37	0.19
Castleton Gardens...	580	64.0	76.9	80.0	58.2	21.8	62.5	66.5	96	71	86	31	51	4‡	35	1.81
Hope Gardens ...	600	64.6	82.8	88.6	60.9	27.7	58.2	72.9	78	71	94	18§	54	19¶	40	0.00
Stony Hill Refty. ...	1,400	64.3	76.2	80.8	61.1	19.7	63.2	71.6	96	82	86	31	58	6	28	0.40
Cinchona Plantation	4,907	54.1	62.2	65.8	51.1	14.7	47.7	56.9	80	83	71	29	47	5 & 10	24	1.72

*Also on 31st. † Also on 5th. ‡ Also on 19th. § Also on 20th. ¶ and 3 other days.

The Health of Kingston.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890 :—

	January.	
	1897.	Average.
Infantile diseases not otherwise specified ...	23	21
Lung diseases ...	26	19
Fever and Malaria ...	12	10
Dysentery and Diarrhœa	7	9
Various ...	67	58
Total	135	117

Cinchona Plantation.

The following are means for the month in addition to those published above : —

		in.
Barometric pressure	7 a.m.	25.350
" "	3 p.m.	25.343
Temperature—		
6 feet underground	7 a.m.	62.0
" "	3 p.m.	62.0
Direction of the wind	...	E by NE
Velocity of the wind in miles per day		28.6

BLUE MOUNTAIN PEAK :—ELEVATION 7,423 FEET.

Day.	Hour.	Temperature.		Temp.	Rain	Remarks.	Observer's Initial
		Max.	Min.				
1897.		°	°	°	in.		
January 31st ...	10.30 a.m.	70.9	38.8	61	4.30	Fine.	D. W.

Note—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level *and to standard Gravity at latitude 45°*. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

Rainfall for January, 1897.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to the Tables published in January, 1892, as No. 124 (A) of the preceding series of Reports, Vol. II. In obtaining the mean Rainfall for the month from the numbers in the column for the Total Fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the Comparative Table at the end of this Rainfall return, so as to arrive at the mean for the whole Island : embracing the four divisions.

North-Eastern Division.	January. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Hordley	1.23	0.78	31	5	6.69
Manchioneal P.W.D.	1.27	0.29	4.29	10	...
Bath P. W. D.	1.33	0.54	26	11	...
Moore Town P.W.D.	6.65	1.62	8	16	...
Mt. Ephraim	...	...	...	...	...
Port Antonio P. W. D.	1.98	0.54	7	17	10.02
Fellowship P. W. D.	2.95	0.70	7	13	...
Serge Island	...	...	...	..	...

North-Eastern Division, *contd.*	January. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Coley Estate	...	...	...	...	...
Burlington	...	...	...	...	...
Shrewsbury P. W. D.	4.73	1.43	7	12	...
Cedar Valley P. W. D.	0.81	0.46	31	5	...
Green Vale	...	...	...	...	...
Cinchona Plantation	1.72	0.53	8	7	8.32
Resource	0.00	...	...	...	...
Buff Bay P. W. D.	2.42	1.20	7	10	...
Cold Spring	...	...	...	...	...
Hardware Gap	1.51	0.32	7	9	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D	3.35	2.41	7	11	...
Stony Hill Retty.	0.40	0.30	7	2	4.31
Castleton Gardens	1.81	1.20	7	6	8.36
Lawrence's Tavern P. W. D.	0.50	0.50	7	1	...
Albany, P.W.D.	1.76	1.10	7	4	...
Quebec	...	...	...	...	8.17
Richmond P. W. D.	2.70	1.60	5	2	...
Highgate P. W. D.	2.02	1.40	7	6	...
Gayle	1.. 0	...	..	3	8.21
Gayle P. W. D.	1 77	0.64	7	11	...

North-Eastern Division, *contd.*	January. 1897. Total Fall	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Rio Hoe	1.71	0.75	7	4	6.05
Unity Valley	1.51	0.88	7	6	5.28
Moneague P.W.D.	1.50	0.65	7	6	...
Claremont	...	...	...	...	...
Albion	1.44	...	...	5	5.35
Averham Park	2.39	0.98	8	8	5.64
Ballintoy	0.84	0.58	8	4	...
Means	1 52	...	...	...	6.82
Northern Division					
Port Maria P.W.D.	2.28	1.10	7	7	7.50
Drax Hall	1.75	0.53	17	5	7.08
St. Ann's Bay P.W.D.	1.74	0.50	7	10	...
Seville	...	...	...	...	6.01
Richmond Estate	..	...	..	...	6.38
Llandovery	0.90	0.45	9	3	6.19
Brown's Town P.W.D.	2.96	1.95	8	5	...
Home Castle	1.48	1.48	8	1	5.41
Richmond Pen	1.50	1.15	8	2	4.49
Mahogany Hall	1.90	1.80	8	2	4.30
Brampton Bryan	0.85	0.48	8	3	...
Bryan Castle	0.40	0.40	8	1	...
Braco	0.71	0.56	8	2	4.37
Arcadia	1.66	1.17	8	2	4.93
Arcadia Great House	1.05	0.90	8	3	...
Harmony Hall	...	...	...	...	3.93
Lancaster	0.83	0.63	8	3	4.73
Vale Royal	1.35	0.89	8	3	5.09
Colchis Pen	1.00	0.62	2	4	2.91
Hyde	1.69	1.23	8	4	5.12
Georgia	1.30	1.00	8	2	4.05
Long Pond	...	...	...	...	...
Steelfield	0.70	0.70	8	1	4.85
Oxford	0.90	0.50	8	3	4.11
Cambridge	0.85	0.50	8	3	5.29
Dry Valley	...	...	...	...	...
Lottery	0.60	0.35	8	2	4.08
Hampstead	...	...	...	...	...
Falmouth	1.05	..	...	...	3.46
Falmouth P.W.D.	1.16	1.10	8	2	...
Fontabelle	0.45	0.40	8	2	...
Martha Brae	...	...	...	...	...
Holland Pen	0.50	0.50	7	1	2.98
Pembroke	...	...	...	...	3.96
Golden Grove	0.50	...	...	...	2.89
Green Park	0.70	0.41	7	3	4.19
Tilston	0.40	...	...	...	3.45
Weston Favell	1.14	0.60	8	2	3.24
Orange Valley	...	...	...	...	3.64
Kent	0.75	0.75	6	1	4.35
Dundee	0.74	...	...	...	4.07
Phœnix	0.62	0.50	7	6	3.62
Gale's Valley	0.75	...	...	...	3.26
Greenwood	0.55	0.55	8	1	3.27
Canaan	0.20	0.20	8	1	...
Linn	0.32	0.27	8	2	...
Content	...	...	...	...	...
Bellfield	0.80	0.45	6	2	...
Guilabro'	0.20	...	...	...	2.84
Tryall	...	...	...	...	...
Leogan	...	...	...	...	5.60
Success	0.60	0.60	8	1	...
Cinnamon Hill	0.55	0.55	8	1	3.04

Northern Division, *contd.*	January. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Rose Hall	0.65	0.65	8	1	3.40
Running Gut	...	...	...	...	3.23
Spring	...	...	...	...	...
Ironshore	...	...	...	...	2.77
Friendship	...	...	...	...	...
Providence	...	...	...	...	3.15
Montego Bay P.W.D.	0.00	0.00	–	0	...
Catherine Hall	...	...	...	...	3.71
Catherine Mount	...	...	...	...	4.04
Fairfield	...	...	...	...	3.38
Anchovy	...	...	...	...	2.82
Round Hill	...	...	...	...	1.98
Tryall	...	...	...	...	1.92
Sandy Bay P.W.D.	0.00	0.00	–	0	...
Lucea P.W.D.	0.23	0.18	30	2	...
Orange Cove	...	...	...	...	3.08
Central Sub-Division—					
Headworks R.C.C.	0.10	0.10	8	1	2.57
Linstead P.W.D.	0.80	0.80	7	1	2.63
Wakefield	...	...	...	...	...
Point Hill P.W.D.	0.38	0.23	7	2	...
Harker's Hall P.W.D.	0.37	0.37	7	1	...
Chapelton P.W.D.	0.36	0.33	23	2	2.55
Danks-Savoy	0.27	0.27	24	1	...
Mears	0.07	0.04	29	2	...
Cave Valley	0.47	0.39	8	2	2.45
Means	0.94	...	...	...	4.12
West Central Division.					
Mocho	0.70	0.50	30	1	...
Baillieston	...	...	...	...	...
Farm Plantation	1.72	1.00	30	3	2.68
Brockenhurst Pln.	...	...	...	...	5.38
Christiana P.W.D.	1.22	0.50	8	6	...
Kendal P.W.D.	0.36	0.20	29	3	...
Mandeville P.W.D.	1.16	0.69	27	5	3.37
Marshalls Pen	...	...	...	...	3.01
Ulster Spring P.W.D.	1.22	0.57	8	4	...
Troy	1.44	...	...	...	...
Windsor Pen	0.47	0.47	8	1	3.95
Balaclava P.W.D.	0.84	0.73	24	2	...
Elim	0.00	0.00	–	0	...
Appleton	0.67	0.67	24	1	2.21
Magotty P.W.D.	0.14	0.14	24	1	...
Spring Vale	0.00	0.00	–	0	4.68
Maroon Town	...	...	...	...	3.78
Kempshot	0.60	0.40	8	2	3.91
Kepp	0.16	0.16	25	1	3.36
Kew Park	0.09	0.09	25	1	2.05
Hazelymph	0.12	0.12	4	1	...
Mount Carey	0.90	0.90	8	1	...
Windsor Forest	...	...	...	...	3.88
Chester Castle	...	..	...	...	1.72
Darliston P.W.D.	0.22	0.15	25	3	...

West Central Division, *contd.*	January. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Whithorn, P. W. D.	0.14	0. 6	25	3	...
New Galloway	...	...	...	...	...
Lethe Bridge	0.55	...	...	3	...
Copse	0.00	0.00	...	0	2.92
Cacoon Castle	1.60	1.23	8	2	4.44
Golden Grove	...	...	...	...	3.08
Great Valley	0.25	0.15	27	2	...
Brownsville	0.55	0.35	4	4	...
George's Plain Estate	...	...	...	...	...
Fontabelle	...	...	...	...	2.14
Morgans Bridge P W D	0.34	0.26	28	3	...
King's Valley	0.58	0.40	7	3	2.46
Abingdon	...	...	...	...	1.63
Means ...	0.64	...	...	...	3.28

Southern Division.					
Morant Point L. H.	0.15	0.08	3	4	4.10
Morant Bay, P. W. D.	0.39	0.35	26	2	...
Lyssons	...	...	...	...	...
Easington P. W. D.	0.18	0.18	29	1	...
Abbey	...	...	...	...	3.35
Halberstadt	...	...	...	...	...
Bull Bay P. W. D.	0.00	0.00	...	0	...
Gordon Town	1.20	1.00	10	2	...
Hope Gardens	0.00	0.00	...	0	2.27
Hope Reservoir	...	...	...	...	..
Cherry Garden	...	...	...	...	2.62
King's House	0.19	0.10	7	2	1.54
Cavaliers	...	...	...	...	...
Shortwood	...	...	...	...	...
Monaltrie	0.16	0.16	9	1	1.64
Halfway-Tree P.W.D.	0.00	0.00	...	0	...
Camperdown	...	...	...	...	...
Public Works Office Kn	0.02	0.02	28	1	1.45
Plumb Point L. H.	0.03	0.03	28	1	1.03
Ferry P. W. D.	0.00	0.00	...	0	...
Caymanas	...	...	...	...	...
Spanish Town P.W.D.	00.0	0.00	...	0	1.80
Windsor Park	...	...	...	...	1.50
Hog Hole Pen P.W.D.	0.05	0.05	6	1	2.02
Old Harbour P.W.D.	0.00	0.00	...	0	2.62
Somerset Hall	...	...	...	...	...
May Pen P. W. D.	0.10	0.10	29	1	...
Amity Hall	0.00	0.00	...	1	...
Hermitage	0.00	0.00	...	0	...
Denbigh	...	...	...	...	1.51
Yarmouth P.W.D.	...	...	...	...	...
Victoria Town P.W.D.	0.70	0.70	30	1	...
Stone's Hope	0.36	0.28	30	2	3.49
Newport P. W. D.	1.19	0.76	30	3	...
Alligator Pond P.W.D.	0.00	0.00	...	0	...
Potsdam	0.48	0.45	24	2	2.53
Long Hill	0.70	0.70	24	1	2.25
Pepper	0.30	0.30	24	1	1.75
Torrington P. W. D.	0.36	0.30	24	2	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D	0.27	0.27	24	1	...

Southern Division, *contd.*	January. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Holland	0.04	0.04	30	1	...
Black River P. W. D.	0.04	0.04	14	1	...
Whitehall	...	...	...	...	...
Font Hill	0.00	0.00	...	0	...
Grand Vale	...	...	...	...	...
Peter's Ville	0.07	0.02	14	3	...
Mount Edgecombe	0.10	0.09	14	2	1.89
Sweet River	0.08	0.08	2	1	2.09
Windsor, Sav.-la-Mar.	...	...	...	...	1.97
Sav.-la-Mar P. W. D.	0.27	0.10	28	4	...
Retreat	...	...	...	...	...
Negril Pt. Lighthouse	0.39	0.30	28	3	...
Means ...	0.17	...	...	...	2.16

Comparative Table of Rainfall.

(Based upon the "Average" Stations only.)

	January. 1897. In.	Average. In.
North Eastern Division	1.52	6.82
Northern "	0.94	4.12
West Central "	0.64	3.28
Southern "	0.17	2.16
Means	0.82	4.09

The greatest monthly fall, viz., 6.65 ins. was recorded at Moore Town, P. W. D., in the North-Eastern Division; Shrewsbury, P. W. D., in the same Division, coming next with a fall of 4.73 ins., and no rain fell at fifteen stations, as follows:—Montego Bay and Sandy Bay in the N. division; Elim, Spring Vale and Copse in the W. C. division; and Bull Bay, Hope Gardens, Halfway Tree, Ferry, Spanish Town, Old Harbour, Amity Hall, Hermitage, Alligator Pond and Font Hill in the S. division. The greatest fall in 24 hours was 2.41 ins., at Annotto Bay, on the 7th, N. E. division. The greatest number of days on which rain fell was 17 at Port Antonio. Twenty stations had in 24 hours falls of between 1 and 3 ins., and no station had a record above these.

Out of 117 stations reporting there are 63 of such which had the heaviest fall on the 7th and 8th.

The rainfall throughout the Island has been exceptionally deficient, and the suffering from the want of water has been generally felt. For the past 27 years there is no case where such a small rainfall has been registered for January. The mean for the four divisions gives but one-fifth of the average.

January 1881 was the next driest: with one-third of the average.

The following will give the percentage relation between the means and the averages for each division.

North Eastern division—77 per cent below the average.
Northern " 77 " " " "
West Central " 80 " " " "
Southern " 92 " " " "

The following notes have come to hand :—

N. E. Division.

Castleton Gardens—High winds on the 8th, 9th, 10th and 11th inst.

Gayle.—Driest January I have ever known.

Rio Hoe Pen.—Dry weather for January, very little rain.

Moneague.—The weather has been cool and pleasant, a few showers during month in the earlier part. On the 6th January at 6 a. m. temperature was barely 50°, but variable all through month and warmer towards the close. On the 31st, 83° in the shade.

N. Division.

St. Ann's Bay.—Very cool at the earlier part of the month ; 66° indoors at about 6 a.m. Northers from about 1st to 4th. About one-half the average rainfall for 5 years.

Brown's Town.—From the eighth to the end of the month the weather has been dry, and at the end very sultry.

Green Park—7.69 ins. for corresponding month last year (Jan. '97 0.70).

Fontabelle—A very dry January.

Canaan, Lima and Success—Exceptionally dry January. Springs and ponds lower than at any other year known.

W. C. Division.

Farm. (Pratville)—Extremely hot and dry for first 28 days. Water famine.

Elim.—No rain fell for the month ; this has been the driest month that I have ever seen here. The heat has been dreadful.

Spring Vale.—No rain fell during January 1897. Unprecedented for the past decade.

Kepp.—Driest month since rain gauge kept here 17 years.

Copse.—Very dry and hot during month, grass and water getting short for stock.

King's Valley.—Very dry.

S. Division.

Gordon Town.—The weather has been particularly dry from 10th to end of month.

New Port, Victoria Town and Kendal.—Very dry weather for the month.

Stone's Hope.—10 years Average 2.17 ins.

Pepper.—Very dry with occasional strong breezes.

Mount Edgcombe.—The above (viz 0.10 ins.) is the smallest fall of any month that I have on record here from August 1879.

The City of Kingston had but 0.02 in. rain on the 28th ; very dry. Average for January 1.45 ins.

J. F. Brennan.

23rd February 1897.

No. 210.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

FEBRUARY, 1897.

KINGSTON.—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Day.	Barometer. * 7 a.m. I.	7 a.m. II.	3 p.m. I.	3 p.m. II.	Mean. II.	Thermometer (F.) 7 a.m.	8 p.m.	Max.	Min.	Range.	Dew Point and Humidity. 7 a.m.		3 p.m.		Wind. Direction (from) and miles per hour. 7 a.m.		3 p.m.		Mean for the day.		Total Miles of Wind.
	29 or 30 In.	29 or 30 In.	29 or 30 In.	29 or 30 In.	29 or 30 In.	°	°	°	°	°	°		°								
1	.071	.054	.989	.037	.046	70.7	85.4	86.7	66.9	19.8	66.1	85	68.2	57	N	1	SE	3	S	4	84
2	.985	.968	.909	.957	.963	70.6	83.4	84.9	68.4	16.5	62.8	77	66.9	58	N	2	SE	5	S	4	85
3	.905	.888	.876	.924	.906	70.2	82.7	89.5	69.5	20.0	62.4	71	68.8	63	N	2	SE	4	Var.	4	89
4	.944	.927	.905	.953	.940	70.3	84.7	85.4	69.4	16.0	63.9	80	68.3	58	N	1	SE	3	E	4	97
5	.993	.976	.932	.980	.978	68.3	82.9	84.8	66.1	18.7	60.2	75	68.7	62	N	2	SSE	5	SSE	6	140
6	.990	.973	.929	.977	.975	74.8	83.4	85.4	68.4	17.0	68.1	80	69.9	64	N	1	SE	4	S	4	100
7	.984	.967	.923	.971	.969	70.5	83.7	86.2	70.0	16.2	63.6	79	68.9	61	N	1	SE	4	S	3	80
8	.994	.977	.916	.964	.971	68.5	85.2	87.3	68.1	19.2	63.0	83	69.4	59	N	2	SE	5	S	3	78
9	.995	.978	.938	.986	.982	74.5	84.8	87.9	73.0	14.9	66.8	77	69.3	60	N	2	SE	4	S	4	84
10	.002	.985	.910	.958	.972	67.7	84.4	87.6	67.0	20.6	61.8	81	67.6	57	N	1	SSE	7	SE	3	74
11	.969	.952	.893	.941	.947	69.4	83.8	85.4	68.8	16.6	63.0	80	67.7	59	N	1	SSE	11	SSE	6	147
12	.926	.909	.914	.962	.936	70.5	80.7	86.2	69.1	17.1	62.6	76	72.5	77	N	1	SE	4	SE	5	111
13	.984	.967	.942	.990	.979	71.7	83.3	85.5	71.0	14.5	65.6	81	69.0	62	Z	0	SSE	4	SSE	4	100
14	.002	.985	.915	.963	.974	69.4	83.1	89.4	66.8	23.6	57.1	65	69.4	63	N	1	SE	2	Var.	3	73
15	.981	.964	.911	.959	.962	69.7	84.4	86.2	65.8	20.4	64.2	83	67.8	58	N	1	SE	10	SSE	5	131
16	.960	.943	.937	.985	.964	69.7	85.7	88.4	69.3	19.1	62.4	78	68.5	57	N	1	SE	7	SSE	5	110
17	.030	.013	.978	.026	.020	68.6	86.3	90.7	68.2	22.5	64.3	86	69.5	57	N	1	SE	8	SSE	4	86
18	.045	.028	.978	.026	.027	69.7	86.3	89.4	68.4	21.0	61.0	74	66.7	52	N	2	SE	5	SE	4	90
19	.023	.006	.969	.017	.012	69.4	84.4	87.5	68.9	18.6	60.7	74	69.6	61	N	2	SE	5	S	4	84
20	.014	.997	.962	.010	.004	69.4	81.1	86.2	68.4	17.8	64.8	85	71.5	73	N	1	SE	4	SE	3	80
21	.028	.011	.950	.998	.006	71.2	84.6	87.2	69.0	18.2	61.7	72	68.3	58	N	2	SE	12	SSE	7	163
22	.038	.021	.960	.008	.015	72.4	86.2	88.6	71.8	16.7	64.5	76	66.2	52	NW	2	SE	11	SE	7	167
23	.028	.006	.945	.993	.000	76.8	85.0	88.5	72.3	16.2	63.4	68	67.9	57	E	3	SE	10	SSE	7	167
24	.029	.012	.905	.953	.983	71.1	88.5	89.9	70.2	19.7	63.5	77	62.8	43	N	1	SE	6	SSE	6	137
25	.993	.976	.997	.045	.012	71.6	84.9	87.6	70.2	17.4	60.4	68	69.4	60	N	1	S	7	SE	7	170
26	.017	.000	.946	.994	.997	71.6	87.4	92.3	70.1	22.2	63.4	75	64.9	47	N	1	SE	5	SE	5	125
27	.069	.052	.002	.050	.051	66.7	85.2	87.4	66.3	21.1	60.8	81	69.5	60	N	1	SE	5	SW	3	76
28	.072	.055	.949	.997	.026	69.7	85.9	89.2	68.8	20.4	65.6	87	67.9	55	Z	0	S	4	S	3	71
Means.	30.002	29.985	29.939	29.987	29.986	70.5	84.6	87.5	68.9	18.6	63.1	77	68.4	59	N	1.3	SE	5.9	SSE	4.5	107.1

* Explanation. Bar. I.=Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32,° and of Mean sea level and of Gravity at Latitude 45°

Bar. II.=Barometer further reduced to Diurnal Mean (Corr. being for this month at 7 a.m. —.017 and at 3 p.m. + .048)

LIBRARY MAY 18 1897 WEATHER BUREAU

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Day.	Clouds (in tenths of the sky). 7 a.m. Lower.	7 a.m. Middle.	7 a.m. Upper.	3 p.m. Lower.	3 p.m. Middle.	3 p.m. Upper.	Rainfall. Ins.	Weather: Remarks, &c.
							Ins.	
1	...	...	...	..	2 Cum. E	...	0.00	Fine, but hazy a.m. Fine p.m.
2	...	...	1 Cir.	...	2 Cum. W	...	0.00	Fine.
3	2 Alt. Str.	2 Alt. Cum.	3 Cir. & Cir. Str.	...	3 Cum.	1 Cir. SE	0.00	Cloudy a.m. Fair p.m.
4	...	1 Cum.	3 Cir. Str.	...	1 Cum.	...	0.00	Fair a.m. Fine p.m.
5	...	...	...	...	1 Cum. SE	...	0.00	Fine.
6	...	1 Cum. SE	...	...	1 Cum. SE	...	0.00	Fine.
7	...	...	...	...	1 Cum. E	1 Cir Str NE	0.00	Fine but hazy a.m. Fine p.m.
8	...	...	...	...	2 Cum. SE	1 Cir. E	0.00	Fine.
9	...	8 Alt Cum.	...	8 Str. Cum.	1 Alt. Cum.	1 Cir. &Cir. Str.	0.00	Cloudy
10	...	...	...	...	1 Cum. SE	...	0.00	Fine but hazy a.m. Fine p.m.
11	...	...	...	...	1 Cum. SE	...	0.00	Fine.
12	...	...	...	1 Alt. Str. 8 Str. Cum. SE	...	1 Cir. Str.	0.00	Fine but hazy a.m. Cloudy p.m.
13	1 Alt Str. 4 Str Cum E	2 Cum. E	1 Cir. Str. E	5 Str. Cum.	...	3 Cir Str.	0.00	Cloudy.
14	...	...	...	8 Str. Cum. E	...	2 Cir. & Cir. Str. E	0.00	Fine but hazy a.m. Cloudy p.m.
15	...	...	2 Cir. & Cir. Str.	...	1 Cum. SE	...	0.00	Fine.
16	...	...	...	...	1 Cum. SE	...	0.00	Fine but hazy a.m. Fine p.m.
17	...	...	...	...	2 Cum. SE	2 Cir. & Cir. Str. SE	0.00	Fine a. m. Fair p. m.
18	...	...	...	2 Str. Cum.	2 Cum. SE	4 Cir. & Cir. Str.	0.00	Fine but hazy a.m. Cloudy p.m.
19	...	...	6 Cir. & Cir. Str.	...	2 Cum. SE	1 Cir SE	0.00	Cloudy a.m. Fine p.m.
20	...	...	...	7 Str. Cum. SE	...	2 Cir. Str.	0.00	Fine a.m. Cloudy p.m.
21	...	...	...	...	1 Cum. SE	3 Cir. & Cir. Str. SE	0.00	Fine a.m. Fair p.m.
22	...	1 Cum E.	...	...	1 Cum. SE	...	0.00	Fine.
23	...	1 Cum. E	...	...	...	...	0.00	Fine.
24	...	...	...	...	1 Cum.	1 Cir. Str	0.00	Fiue.
25	...	1 Cum. SE	...	...	1 Cum. SE	...	0.00	Fine but hazy a.m. Fine p.m.
26	...	...	3 Cir. & Cir. Str. E	...	1 Cum. SE	...	0.00	Fine.
27	...	...	...	...	...	2 Cir. & Cir. Str. SE	0.00	Fine but hazy a.m. Fine p.m.
28	...	...	...	...	...	4 Cir. & Cir. Str.	0.00	Fine but hazy a.m. Fair p.m.
Means	2 o/o	6 o/o	7 o/o	14 o/o	10 o/o	10 o/o	...	
Total	...	...	...	...	...	...	0.00	Number of rainy days, nil.

RESULTS AT OTHER STATIONS.

Station.	Elevation	Means for the Month. Temperature. 7 a.m.	3 p.m.	Max.	Min.	Range.	Dewpoint. 7 a.m.	3 p.m.	Humidity. 7 a.m.	3 p.m.	Extremes for the Month. Temperature. Max.	Date.	Min.	Date.	Range.	Total Rainfall.
	ft.	°	°	°	°	°	°	°			°		°		°	In.
King's House ...	400	67.5	86.5	90.8	61.7	29.1	63.0	71.4	84	59	94	26	58	14	36	0.00
Castleton Gardens...	580	62.9	81.4	85.4	59.2	26.2	62.1	69.9	96	67	88	22&23	53	14	35	0.60
Hope Gardens ...	600	68.8	85.5	89.1	64.7	24.4	63.4	70.3	81	59	93	17	62	2*	31	0.00
Stony Hill Refty. ...	1,400	66.4	79.9	84.6	63.4	21.2	64.0	73.3	92	80	90	26	61	15	29	...
Cinchona Plantation	4,907	56.0	64.8	68.9	53.5	15.4	49.9	59.3	80	81	73	16	50	10†	23	0.28

* And 2 other days. † Also 12th.

The Health of Kingston.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890 :—

	February. 1897.	Average.
Infantile diseases not otherwise specified ...	32	24
Lung diseases ...	14	14
Fever and Malaria ...	13	8
Dysentery and Diarrhœa	7	12
Various ...	55	53
Total	121	111

Cinchona Plantation.

The following are means for the month in addition to those published above : —

		in.
Barometric pressure	7 a.m.	25.381
" "	3 p.m.	25.371
Temperature—		
6 feet underground	7 a.m.	62.0°
" "	3 p.m.	62.0°
Direction of the wind	...	E
Velocity of the wind in miles per day		25.0

BLUE MOUNTAIN PEAK :—ELEVATION 7,423 FEET.

Day.	Hour.	Temperature. Max.	Temperature. Min.	Temp.	Rain	Remarks.	Observer's Initial
1897.		°	°	°	in.		
January 31st ...	10.30 a.m.	70.9	38.8	61	4.30	Fine.	D. W.
February 27th ...	3.30 p.m.	70.9	40.8	51	0.90	Fine and clear, high wind from N.E.	W. H.

Note—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level *and to standard Gravity at latitude 45°* The Thermometers are similarly exposed in Stevenson's screens at all the above Stations ; their readings have all been corrected.

Rainfall for February, 1897.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report ; the second columns contains the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second column ; so that the result of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns :—

North-Eastern Division.	February. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Hordley	.29	.12	26	5	4.42
Manchioneal P.W.D.	1.65	.30	22	12	...
Bath P. W. D.	.99	.33	21	9	...
Moore Town P.W.D.	5.68	1.35	28	15	...
Mt. Ephraim	...	...	...	...	...
Port Antonio P. W. D.	2.34	.40*	12	16	5.34
Fellowship P. W. D.	5.03	1.35	12	11	...
Serge Island	...	...	...	...	...

* Also 22nd and 25th.

North-Eastern Division, *contd.*	February. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Coley Estate	...	...	...	...	...
Burlington	...	...	...	...	...
Shrewsbury P. W. D.	3.46	.61	20	12	...
Cedar Valley P. W. D.	.28	.11	13	6	...
Green Vale	...	...	...	...	...
Cinchona Plantation	.23	.10	21	8	3.22
Resource	...	...	...	...	...
Buff Bay P. W. D.	2.71	1.00	25	5	...
Cold Spring	...	...	...	...	...
Hardware Gap	.00	.00	...	0	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D	2.33	.30	25	8	...
Stony Hill Retty.	...	...	...	...	...
Castleton Gardens	.60	.20	3	5	4.04
Lawrence's Tavern P. W. D.	.73	.50	7	2	...
Albany, P.W.D.	1.26	.45	26	6	...
Quebec	...	...	...	...	...
Richmond P. W. D.	.50	.25	5.28	2	...
Highgate P. W. D.	.93	.20	28	9	...
Gayle	1.15	.50	2	4	5.43
Gayle P. W. D.	1.39	.33	2	11	...

North-Eastern Division, *contd.*	February 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Rio Hoe	.95	.24	20	5	3.64
Unity Valley	.31	.11	20	8	3.01
Moneague P.W.D.	.29	.14	19	4	...
Claremont	...	...	...	...	...
Albion	.41	...	...	...	3.26
Averham Park	.88	.32	20	8	3.54
Ballintoy	.33	.15	28	3	...
Means	0.80	...	...	...	3.99
Northern Division					
Port Maria P.W.D.	1.91	.46	25	9	3.95
Drax Hall	1.02	.28	12	6	3.81
St. Ann's Bay P.W.D.	1.33	.28	12	11	...
Seville	...	...	...	...	...
Richmond Estate	...	...	..	...	3.50
Llandovery	.89	.57	28	2	3.12
Brown's Town P.W.D.	1.41	.75	28	4	...
Home Castle	1.52	1.18	2	2	3.34
Richmond Pen	.35	.35	28	1	1.76
Mahogany Hall	.46	.28	3	3	2.57
Brampton Bryan	.91	.50	2	4	1.56
Bryan Castle	.87	.42	20	3	2.10
Braco	.44	.55	20	4	2.21
Arcadia	.79	.31	2	4	2.41
Arcadia Great House	.82	...	...	..	...
Harmony Hall	...	...	...	...	...
Lancaster	.89	.52	20	4	2.28
Vale Royal	1.41	.56	28	3	2.76
Colchis Pen	.00	.00	...	0	1.12
Hyde	1.40	.85	28	3	2.38
Georgia	1.15	.45	28	3	2.59
Steelfield	89	.44	3	3	2.31
Oxford	55	.30	2	2	2.10
Cambridge	.87	.35	3	3	2.43
Dry Valley	...	...	...	...	..
Lottery	55	.30	7	2	2.10
Hampstead	1.10	1.10	28	1	...
Falmouth	35	..	...	...	1.41
Falmouth P.W.D.	.31	.10	20	3	...
Fontabelle	...	...	...	...	...
Martha Brae	...	...	...	...	...
Long Pond	.99	.55	28	2	...
Holland Pen	1.00	.60	20	2	2.31
Pembroke	...	...	...	...	1·54
Golden Grove	...	...	...	...	1.82
Green Park	.42	.20	28	3	1.75
Tilston	...	...	...	...	1.63
Weston Favell	.15	.15	2	1	2.72
Orange Valley	...	...	...	...	2.04
Kent	1.35	1.25	27	2	2.46
Dundee	...	...	...	...	2.03
Phœnix	.62	.50	2	2	2.32
Gale's Valley	...	...	...	...	1.78
Greenwood	.47	.47	27	1	1.98
Canaan	.20	.20	11	1	...
Lima	...	...	...	...	...
Content	.00	.00	...	0	...
Bellfield	...	...	...	...	2.12
Guilsbro'	...	...	...	...	2.21
Tryall	...	...	...	...	...
Leogan	...	...	...	...	2.11
Success	.00	.00	...	0	1.84
Cinnamon Hill	.00	.00	...	0	1.74

Northern Division, *contd.*	February 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Rose Hall	.00	.00	...	0	2.04
Running Gut	...	...	...	...	1.65
Spring	...	...	...	...	...
Ironshore	...	...	...	...	2.65
Friendship	...	...	...	...	...
Providence	...	...	...	...	1.94
Montego Bay P.W.D.	.51	.40	28	2	...
Catherine Hall	...	...	...	...	2.02
Catherine Mount	...	...	...	...	1.66
Fairfield	..	...	...	...	1.84
Anchovy	...	...	...	...	1.37
Eden	...	...	...	..	1.73
Wiltshire	...	...	...	...	2.10
Round Hill	...	...	...	...	1.09
Flint River	...	...	...	...	...
Tryall	...	...	...	...	1.06
Sandy Bay P.W.D.	.00	.00	–	0	...
Kew	...	...	...	.	2.80
Lucea P.W.D.	.94	.87	28	3	...
Haughton Court	...	...	...	...	2.15
Orange Cove	...	...	...	...	2.25
Central Sub-Division—					
Headworks R.C.C.	.93	.85	21	2	1.42
Linstead P.W.D.	.60	.45	28	2	2.26
Wakefield	...	...	...	..	...
Point Hill P.W.D.	...	...	...	...	..
Harker's Hall P.W.D.	.51	.26	7	2	..
Chapelton P.W.D.	.00	.0	–	0	2.14
Danks-Savoy	...	...	...	..	...
Cave Valley	.00	.00	–	0	2.33
Means	0.69	...	...	...	2 29
West Central Division.					
Mocho	...	...	...	...	...
Baillieston	.00	.00	...	0	...
Farm Plantation	.05	.05	21	1	2.31
Brockenhurst Pln.	...	...	...	...	2.65
Christiana P.W.D.	.33	.12	11	3	...
Kendal P.W.D.	.75	.60	2	3	...
Mandeville P.W.D.	1.46	.67	20	4	2.47
Marshalls Pen	...	...	...	...	2.74
Ulster Spring P.W.D.	.16	.16	28	1	...
Troy	.44	.44	1	1	.
Windsor Pen	.72	.47	28	2	1.79
Balaclava P.W.D.	.53	.24	9	3	...
Elim	.02	.02	9	1	...
Appleton	.83	.46	9	6	3.29
Magotty P.W.D.	.37	.16	9	5	...
Spring Vale	.10	.10	18	1	2.44
Maroon Town	...	...	...	...	2.05
Kempshot	0.68	0.56	28	2	2.70
Kepp	1.54	1.50	20	3	4.42
Kew Park	.33	.18	20	3	2.70
Hazelymph	.16	.09	28	2	...
Mount Carey	.66	.50	27	2	...
Windsor Forest	...	...	...	...	4.32
Chester Castle	...	...	...	...	2.46
Darliston P.W.D.	1.95	1.62	9	3	...

West Central Division, *contd.*	February. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Whithorn, P. W. D.	1.99	1.25	20	4	...
New Galloway	1.45	1.10	20	2	..
Lethe Bridge	1.65	.80	28	2	...
Copse	...	...	...	...	2.01
Cacoon Castle	.13	.13	21	1	1.92
Golden Grove	...	...	...	...	2.86
Great Valley	.73	.37	21	3	2.31
Brownsville	.69	.33	20	4	...
George's Plain Estate	...	...	...	...	...
Fontabelle	2.65	2.40	28	2	2.79
Morgans Bridge P W D	.75	.68	20	2	...
King's Valley	.70	.65	20	2	1.49
Abingdon	...	...	...	...	2.09
Means ...	0.83	...	...	...	2.55
Southern Division.					
Morant Point L. H.	.98	.59	1	10	2.26
Morant Bay, P. W. D.	.61	.20	13	7	...
Lyssons	...	...	...	...	...
Easington P. W. D.	.44	.23	12	2	...
Abbey	...	...	...	...	1.25
Halberstadt	...	...	...	...	0.84
Bull Bay P. W. D.	.00	.00	...	0	...
Gordon Town	.21	...	...	2	...
Hope Gardens	.00	.00	...	0	1.13
Hope Reservoir	...	...	...	...	..
Cherry Garden	...	...	...	...	1.24
King's House	.00	.00	...	0	1.29
Cavaliers	...	...	...	...	...
Shortwood	.05	.05	20	1	...
Constant Spring	...	...	...	...	...
Monaltrie	.00	.00	...	0	0.99
Halfway-Tree P.W.D.	.00	.00	...	0	...
Camperdown	...	...	...	...	...
Public Works Office Kn	.00	.00	...	0	0.66
Plumb Point L. H.	.10	.10	12	1	0.76
Ferry P. W. D.	.00	.00	...	0	...
Caymanas	...	...	...	...	...
Spanish Town P.W.D.	.42	.42	3	1	1.49
Windsor Park	.62	.62	3	1	1.03
Hog Hole Pen P.W.D.	.00	.00	...	0	1.78
Old Harbour P.W.D.	.03	.03	11	1	1.95
Somerset Hall	...	...	..	...	...
May Pen P. W. D.	.41	.36	20	2	...
Hermitage	.02	.02	12	1	...
Denbigh	...	...	...	...	...
Yarmouth P.W.D.	.00	.00	...	0	...
Victoria Town P.W.D.	.23	.23	20	1	...
Stone's Hope	.28	.18	20	2	2.33
Newport P. W. D.	.77	.48	12	3	...
Alligator Pond P.W.D.	1.47	1.00	2	2	...
Potsdam	.52	.38	9	4	1.37
Long Hill	1.29	.68	8	3	1.74
Pepper	.27	.15	7	3	1.82
Torrington P. W. D.	.55	.45	9	3	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D	.54	.47	9	2	2.99

Southern Division, *contd.*	February. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Holland	.18	.16	20	2	...
Black River P. W. D.	.07	.07	20	1	1.98
Whitehall	..	...	...	...	...
Font Hill	.00	.00	...	0	...
Grand Vale	..	...	...	...	...
Peter's Ville	.97	.81	20	2	...
Mount Edgecombe	1.45	.92	20	4	2.47
Sweet River	1.13	1.13	20	1	2.56
Windsor, Sav.-la-Mar.	.86	.77	20	2	2.50
Sav.-la-Mar P. W. D.	.48	.37	20	3	...
Blackheath		...	...	...	...
Retreat	.12	.12	20	1	...
Negril Pt. Lighthouse	.74	.49	13	3	...
Means ...	0.45	...	...	...	1.74

Comparative Table of Rainfall.

(Based upon the "Average" Stations only.)

	February. 1897.	February. Average.
	In.	In.
North Eastern Division	0.80	3.99
Northern "	0.69	2.29
West Central "	0.83	2.55
Southern "	0.45	1.74
Means	0.69	2.64

The greatest monthly fall, viz., 5.68 ins. was recorded at Moore Town, in the North-Eastern Division. No rain fell at twenty stations, as follows:—Hardware Gap in the N.E. division; Colchis Pen, Lima, Success, Cinnamon Hill, Rose Hall, Sandy Bay P.W.D., Chapelton P.W.D., and Cave Valley in the N. division; Baillieston in the W.C. division; Bull Bay P.W.D., Hope Gardens, King's House, Monaltrie, Halfway Tree P.W.D., Public Works Office, Kingston, Ferry P.W.D., Hog Hole Pen P.W.D., Yarmouth and Font Hill in the S. division. The greatest fall in 24 hours was 2.40 on the 28th, at Fontabelle, in the W.C. division. The greatest number of days on which rain fell was 16 at Port Antonio P.W.D., N.E. division. Forty-two stations had between 0.01 and 0.50 inch of rain, so that if the stations (20) which had no rain be added, there will be 62 stations which did not register above half-an-inch.

The rainfall throughout the Island has been deficient in each division. The following will give the percentage relation between the means and the averages:—

North Eastern division—77 per cent. below the average.
Northern " 70 " " " "
West Central " 67 " " " "
Southern " 74 " " " "

The mean for the whole Island gives about one quarter of the average rainfall.

The driest February was in 1875 where a mean of 0.67 was deduced, and February this year comes next with a mean of 0.73 in.

Thirty-five stations had the heaviest rainfall on the 20th & 21st, an excess also occurred on the 28th.

The following notes have come to hand :—

N. E. Division.

Rio Hoe Pen.—The weather is getting very dry strong breeze every day.

Gayle.—Very dry, strong wind.

Castleton Gardens—Not been such a dry February at Castleton for many years.

Moneague.—Hot and dry, strong E. winds.

N. Division.

Fontabelle.—Only two showers for the month on the 2nd 25 parts, and on the 28th 2.40 ins.

Llandovery.—Fearfully dry. The rainfall this year for January and February is 9.64 below the average of the 10 previous years.

Brown's Town.—The weather was hot, sultry and dry.

W. C. Division.

King's Valley—Severe drought.

Kempshot.—The month was very dry.

Farm.—Rain famine. All tanks dried up. No water.

Spring Vale.— The dry weather has been very severe here from 1st January with scorching winds.

S. Division.

Hermitage Pen.—Only two parts of an inch fell during this month, which was on the night of the 12th. Very high winds both day and night, nearly the whole month.

Retreat.—Rainfall for 1896. 51. 12 ins.

Windsor Park.—During the months of January and February the thermometer stood unusually high for the time of year. Only on 5 days has it been as low as 65°, generally standing above 70°, strong winds have aggravated the distressing effect of the drought and the ground is parched and cracking.

Stone's Hope.—Average rainfall for 10 years, 2.09 ins.

Windsor, Sav.-la-Mar.—In January there was rain on one day only, 25th, 20 parts.

Peter's Ville.—Rainfall, Februa y, 1888, 2.52—1889, 0.78—1890, 3.38—1891, 1.30—1892, 2.05—1893, 3.36—1894, 3.43—1895, 1.64—1896, 1.83—1897, 0.97.

Pepper.—Awfully dry the whole month, with continued strong SE breezes.

J. F. Brennan.

5th April, 1897.

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WEATHER REPORT

FOR THE MONTH OF

MARCH, 1897.

KINGSTON.—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Day.	Barometer.* 7 a.m. I.	7 a.m. II.	3 p.m. I.	3 p.m. II.	Mean. II.	Thermometer (F.) 7 a.m.	3 p.m.	Max.	Min.	Range.	Dew Point and Humidity. 7 a.m.		3 p.m.		Wind. Direction (from) and miles per hour. 7 a.m.		3 p.m.		Mean for the day.		Total Miles of Wind.
	30 or 29	30 or 29	30 or 29	30 or 29	30 or 29	°	°	°	°	°	°		°								
	In.	In.	In.	In.	In.																
1	.051	.029	.941	.984	.007	73.1	85.4	87.7	68.9	18.8	66.3	79	67.6	55	N	2	SSE	7	SSE	5	110
2	.019	.997	.925	.968	.994	74.7	84.6	86.6	73.1	13.5	64.2	70	67.8	57	N	1	SSE	7	SSE	6	147
3	.030	.008	.933	.981	.995	71.4	85.3	86.0	69.9	16.1	60.5	69	67.6	56	N	1	SSE	12	SSE	4	97
4	.000	.978	.920	.963	.971	69.7	85.8	86.4	69.4	17.0	61.2	83	68.3	56	N	1	S	5	S	3	68
5	.974	.952	.928	.971	.962	69.2	80.8	82.4	67.8	14.6	63.7	83	68.7	67	Z	0	SE	5	SE	3	80
6	.983	.961	.948	.991	.976	70.5	84.4	85.3	68.3	17.0	64.5	82	68.1	58	N	1	W	4	S	2	59
7	.002	.980	.918	.961	.971	68.4	85.7	87.5	67.2	20.3	66.4	96	66.7	57	Z	0	S	3	S	3	64
8	.975	.953	.886	.929	.941	69.4	85.3	86.3	67.4	18.9	65.7	88	67.3	55	Z	0	S	2	SW	3	81
9	.965	.943	.892	.935	.939	73.4	82.3	85.7	71.9	13.8	66.9	80	66.9	80	Z	0	S	4	S	3	68
10	.967	.945	.889	.932	.939	69.2	83.7	85.5	67.4	18.1	64 9	86	68.9	61	Z	0	S	3	S	4	84
11	.957	.935	.850	.893	.914	69.4	87.2	88.2	68.3	19.9	64.6	85	65.7	49	Z	0	SW	4	S	3	77
12	.921	.899	.879	.922	.911	66.6	88.4	85.7	65.1	20.6	64.0	89	67.2	58	Z	0	SSE	5	SE	4	86
13	.956	.934	.874	.917	.926	70.4	84.8	86.8	69.6	17.2	61.9	76	67.5	56	N	1	E	3	S	4	97
14	.009	.987	.868	.911	.949	69.6	85.1	85.8	69.3	16.5	62.3	78	66.8	54	N	1	SSE	12	SSE	6	135
15	.017	.995	.925	.968	.982	67.8	86.3	86.7	66.7	20.0	63.3	86	69.6	50	N	1	SE	11	SSE	6	136
16	.996	.974	.889	.932	.953	70.4	85.2	87.3	69.3	18.0	62.4	76	67.5	56	N	1	SSE	9	SSE	4	102
17	.016	.994	.938	.981	.988	72.7	86.4	91.3	69.3	22.0	65.0	77	66.8	52	N	2	S	4	S	3	68
18	.008	.986	.937	.980	.983	71.4	86.2	88.3	69.4	18.9	64.8	80	71.0	61	N	1	S	3	SE	3	83
19	.006	.984	.932	.975	.980	74.0	82.7	85.9	70.5	15.4	66.0	76	68.0	61	N	1	S	2	S	4	100
20	.985	.963	.898	.941	.952	70.3	82.3	84.5	69.8	14.7	62.1	73	65.4	57	N	2	SSE	7	SSE	5	111
21	.949	.927	.923	.966	.947	68.5	83.8	85.9	66.8	19.1	61.2	89	67.9	59	N	1	SE	8	SSE	5	111
22	.966	.944	.880	.923	.934	70.6	83.8	87.3	66.5	20.8	61.4	73	69.0	61	N	1	SE	9	SSE	5	115
23	.961	.939	.890	.933	.936	74.7	83.5	84.7	71.8	12.9	66.2	75	70.4	65	N	1	S	3	SSE	5	118
24	.954	.932	.868	.911	.922	70.4	83.6	83.9	69.0	14.9	62.6	76	70.5	65	N	1	S	4	S	3	88
25	.953	.931	.890	.933	.932	74.5	83.7	85.2	72.8	12.4	70.2	86	68.9	61	N	1	S	4	S	2	57
26	.982	.960	.908	.951	.956	73.6	82.5	84.6	71.0	13.6	69.5	87	69.0	64	Z	0	SW	4	S	3	61
27	.000	.978	.890	.933	.956	75.4	83.3	85.3	74.8	10.5	67.0	75	69.4	63	Z	0	SE	7	S	3	71
28	.999	.977	.901	.944	.961	72.3	84.5	89.5	70.7	18.8	65.1	78	63.5	59	N	2	S	3	S	3	77
29	.005	.983	.916	.959	.971	73.8	86.3	87.4	70.8	16.6	66.2	77	69.5	57	N	1	SSE	11	SSE	5	113
30	.021	.999	.925	.968	.984	74.5	83.4	86.6	72.8	13.8	68.7	82	67.4	59	N	1	SE	6	SSE	5	124
31	.941	.919	.876	.919	.919	72.1	86.8	88.5	71.7	16.8	69.8	89	70.6	59	Z	0	SE	5	SE	4	104
Means.	29.986	29.964	29.905	29.948	29.956	71.4	84.5	86.4	69.6	16.8	64.9	81	68.2	59	N	0.8	SE by S	5.7	SSE	3.9	89.4

* Explanation. Bar. I.=Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32°, and of Mean sea level and of Gravity at Latitude 45°

Bar. II.=Barometer further reduced to Diurnal Mean (Corr. being for this month at 7 a.m.—.022 and at 3 p.m. + .043)

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet

Day.	Clouds (in tenths of the sky). 7 a.m. Lower.	7 a.m. Middle.	7 a.m. Upper.	3 p.m. Lower.	3 p.m. Middle.	3 p.m. Upper.	Rainfall. Ins.	Weather: Remarks, &c.
1	...	...	1 Cir. Str.	...	1 Cum. E	...	0.00	Fine.
2	1 Stratus 2 Str Cum E	3 Alt. Cum. E	2 Cir. & Cir. Str. E	...	1 Cum. SE	...	0.00	Cloudy a.m. Fine p.m.
3	...	...	...	1 Stratus 2 Alt. Str.	2 Alt. Cum.	4 Cir. & Cir. Str.	0.00	Fine but hazy a.m. Cloudy p.m.
4	1 Str.	...	...	2 Str. Cum. SE	...	3 Cir. & Cir. Str. NW	0.00	Fine but hazy a.m. Fair p.m.
5	...	...	1 Cir. Str.	9 Str. Cum SE	1 Cum. SE	...	0.00	Fine but hazy a.m. Cloudy p.m.
6	1 Str. Cum.	...	6 Cir. & Cir. Str. S	6 Str. Cum. SW	1 Cum.	2 Cir. & Cir. Str. E	0.13	Cloudy. Rain at 3 24 to 3.53 p.m.
7	...	...	1 Cir. Str.	...	1 Cum.	...	0.00	Fine, but hazy a.m. Fine p.m.
8	...	...	...	...	1 Cum. SE	...	0.00	Fine but hazy a.m. Fine p.m.
9	...	...	2 Cir. & Cir. Str.	4 Str. Cum. E	1 Cum. E	4 Cir. & Cir. Str.	0.00	Fine a.m. Cloudy p.m.
10	...	...	...	...	2 Cum. SE	1 Cir.	0.00	Fine.
11	...	...	...	...	1 Cum. SE	...	0.00	Fine.
12	...	...	...	3 Str. Cum. SE	2 Cum. E	2 Cir. & Cir. Str. SE	0.00	Fine but hazy a.m. Cloudy p.m.
13	...	...	...	...	...	1 Cir. Str E	0.00	Fine.
14	...	...	...	...	...	1 Cir Str SE	0.00	Fine but hazy a.m. Fine p.m.
15	...	...	...	...	...	1 Cir. Str.	0.00	Fine but hazy a.m. Fine p.m.
16	...	2 Alt Cum.	...	...	1 Cum.	1 Cir. Str.	0.00	Fine.
17	...	...	...	...	1 Cum.	2 Cir. & Cir. Str. W	0.00	Fine but hazy a.m. Fine p.m.
18	...	1 Cum E	...	3 Str. Cum. SE	1 Cum.	4 Cir. &Cir. Str. E	0.00	Fine a.m. Cloudy p.m.
19	...	1 Cum. 4 Alt Cum.	2 Cir. & Cir. Str.	...	...	...	0.00	Cloudy a.m. Fair p.m.
20	...	...	1 Cir. Str.	...	...	3 Cir & Cir Str	0.00	Fine.
21	...	...	...	4 Str, Cum. SE	2 Cum. SE	3 Cir & Cir Str	0.00	Fine a.m. Cloudy p.m.
22	...	...	6 Cir. & Cir. Str.	...	6 Alt. Cum. 1 Cum.	2 Cir & Cir Str	0.00	Cloudy
23	...	...	3 Cir. & Cir. Str. SE	2 Str, Cum. SE	1 Alt. Cum. SE	2 Cir SE	0.00	Fine a.m. Fair p.m.
24	...	...	...	...	...	3 Cir & Cir Str SE	0.00	Fine but hazy a.m. Fine p.m.
25	1 Stratus	2 Alt Cum.	...	...	1 Cum. SE	...	0.00	Cloudy a.m. Fine p.m.
26	1 Stratus	...	...	1 Stratus	7 Alt. Cum.	...	0.00	Cloudy.
27	2 Stratus	5 Alt Cum.	1 Cir. & Cir Str.	...	...	2 Cir & Cir Str	0.00	Cloudy a.m. Fine p.m.
28	...	...	...	...	...	4 Cir & Cir Str	0.00	Fine but hazy a.m. Fair p.m.
29	...	...	...	2 Str. Cum. SE	1 Cum. SE	5 Cir & Cir Str E	0.00	Fine a.m. Cloudy p.m.
30	...	...	...	3 Str. Cum. SE	1 Cum.	4 Cir & Cir Str SE	0.00	Fine a. m. Cloudy p. m.
31	...	...	...	4 Str. Cum. SE	1 Cum.	3 Cir & Cir Str	0.00	Fine but hazy a.m. Cloudy p.m.
Means Total	3 o/o ...	7 o/o ...	10 o/o ...	15 o/o ...	12 o/o ...	19 o/o ...	0.13	Number of rainy days, 1.

RESULTS AT OTHER STATIONS.

Station.	Elevation	Means for the Month. Temperature. 7 a.m.	3 p.m.	Max.	Min.	Range.	Dewpoint. 7 a.m.	3 p.m.	Humidity. 7 a.m.	3 p.m.	Extremes for the Month. Temperature. Max.	Date.	Min.	Date.	Range.	Total Rainfall.
	ft.	°	°	°	°	°	°	°			°		°		°	In.
King's House ...	400	68.7	86.2	90.4	62.8	27.6	64.4	68.7	84	57	95	16	58	12&21	37	0.41
Castleton Gardens...	580	61.1	80.8	84.9	61.0	23.9	64.6	70.2	96	67	88	27	55	11	33	4.66
Hope Gardens ...	600	68.7	84.1	88.6	65.0	23.6	63.8	73.4	84	69	92	2*	63	5†	29	0.65
Stony Hill Refty. ...	1,400	69.3	79.9	84.1	64.6	19.5	66.3	73.9	90	82	87	2&15	61	12&19	26	0.00
Cinchona Plantation	4,907	57.0	65.4	69.0	54.2	14.8	51.6	59.2	83	81	73‡	14	51	12	22	1.06

* Also 3 other days. † Also 5 other days. ‡ Also 2 other days.

The Health of Kingston.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	March.	
	1897.	Average.
Infantile diseases not otherwise specified ...	25	32
Lung diseases ...	28	17
Fever and Malaria ...	15	7
Dysentry and Diarrhœa ...	19	15
Various ...	59	68
Total	144	139

Cinchona Plantation.

The following are means for the month in addition to those published above:—

		in.
Barometric pressure	7 a.m.	25.363
" "	3 p.m.	25.355
Temperature—		
6 feet underground	7 a.m.	62.°
" "	3 p.m.	62.°
Direction of the wind	...	E
Velocity of the wind in miles per day		30.3

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

Day.	Hour.	Temperature. Max.	Temperature. Min.	Temp.	Rain.	Remarks.	Observer's Initial
1897.		°	°	°	in.		
January 31st ...	10.30 a.m.	70.9	38.8	61	4.30	Fine.	D. W.
February ...	3.30 p.m.	70.9	40.8	51	0.90	Fine, clear, high wind from N.E.	W. H.
March ...	2.30 p.m.	67.9	39.8	61	3.10	Fine, but cloudy.	W. H.

Note—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to sea-level *and to standard Gravity at latitude 45°*. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

Rainfall for March, 1897.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Raintall average for the month, according to the Tables published in January, 1892, as No. 124 (A) of the preceding series of Reports, Vol. II. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column; so that the results of these two columns are directly comparable for each division. These results are reproduced in the Comparative Table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island: embracing the four divisions.

North-Eastern Division.	March. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Hordley	.92	.18	6	8	4.44
Manchioneal P.W.D.	...	...	...	...	...
Bath P. W. D.	1.93	.60	1	15	...
Moore Town P. W. D.	...	...	...	...	...
Mt. Ephraim	...	...	...	...	...
Port Antonio P. W. D.	...	...	...	...	4.28
Fellowship P. W. D.	...	...	...	...	...
Serge Island	...	...	...	...	...

North-Eastern Division, *contd.*	March. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Coley Estate	...	...	...	...	...
Burlington	...	...	...	...	...
Shrewsbury P. W. D.	...	...	...	...	...
Cedar Valley P. W. D.	.21	.11	6	3	...
Green Vale	...	...	...	...	...
Cinchona Plantation	1.06	.25	6	11	6.38
Resource	...	...	...	...	...
Buff Bay P. W. D.	...	...	...	...	...
Cold Spring	2.24	1.86	27	7	...
Hardware Gap	2.42	2.03	27	7	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	...	...	...	...	...
Stony Hill Rfty.	.00	.00	...	0	3.11
Castleton Gardens	4.66	1.75	1	8	4.45
Lawrence's Tavern P. W. D.	.63	.39	1	2	...
Albany P. W. D.	3.72	1.60	8	10	...
Quebec	...	...	...	...	...
Richmond P. W. D.	2.48	.90	8.29	7	...
Highgate P. W. D.	3.97	1.65	8	10	...
Gayle	3 00	1.60	8	3	5.10
Gayle P. W. D.	2.39	1.20	8	6	...

North-Eastern Division, *contd.*	March. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Rio Hoe	1.76	.57	9	5	4.63
Unity Valley	1.68	.80	27	6	4.28
Moneague P.W.D.	1.74	.50	26	6	...
Claremont	...	...	...	...	...
Albion	...	...	...	...	3.87
Averham Park	3.00	1.14	1	7	3.20
Ballintoy	2.04	1.15	26	7	...
Means	2.01	...	...	...	4.45
Northern Division					
Port Maria P.W.D.	.54	.45	8	4	3.25
Drax Hall	.37	.22	9	3	3.62
St. Ann's Bay P.W.D.	.56	.29	8	6	...
Seville	...	...	...	...	3.78
Richmond Estate	...	...	...	...	2.32
Llandovery	35	.35	8	1	2.35
Brown's Town P.W.D.	4.64	1.21	8	5	...
Home Castle	3.05	.90	25	6	2.27
Richmond Pen	1.27	.45	25	5	2.15
Mahogany Hall	2.53	1.15	1	5	1.87
Brampton Bryan	1.19	.76	24	3	2.00
Bryan Castle	1.13	.52	29	5	1.84
Braco	.60	.30	7	2	1.79
Arcadia	...	...	...	...	1.75
Arcadia Great House	...	...	...	...	...
Harmony Hall	...	...	...	...	1.70
Lancaster	.70	.35	7	2	2.17
Vale Royal	.81	.69	29	2	2.26
Clochis Pen	.77	.30	8	3	1.05
Hyde	1.33	.52	8	5	2.89
Georgia	...	...	...	...	1.98
Long Pond	1.22	.78	1	3	2.18
Steelfield	1.22	.55	30	5	...
Oxford	1.90	.90	24	4	1.48
Cambridge	1.34	.62	24	4	2.18
Dry Valley	...	..	...	...	...
Lottery	2.60	2.00	24	3	2.02
Hampstead	.70	.50	24	2	...
Falmouth	.80	..	...	...	1.80
Falmouth P.W.D.	.97	.50	30	5	...
Fontabelle	1.55	.55	29	5	...
Martha Brae	...	...	...	...	...
Holland Pen	.85	.35	29	2	1.56
Pembroke	...	...	...	...	2.00
Golden Grove	...	...	...	...	2.30
Green Park	1.50	.95	29	5	2.01
Tilston	...	...	...	...	2.55
Weston Favell	4.10	1.90	1	6	2.06
Orange Valley	...	...	...	...	1.64
Kent	1.18	.60	30	4	1.77
Dundee	...	...	...	...	2.18
Phœnix	2.38	1.25	1	8	2.14
Gale's Valley	...	...	...	...	2.02
Greenwood	2.04	1.00	...	3	1.64
Canaan	3.60	1.20	25	7	...
Lima	1.55	1.00	25	4	...
Content	...	...	...	...	2.39
Bellfield	1.65	.90	25	4	...
Guilsbro'	...	...	...	...	1.60
Tryall	...	...	...	...	...
Leogan	...	...	...	...	1.89
Success	.90	.60	30	2	2.30
Cinnamon Hill	1.35	.68	30	5	1.05

Northern Division, *contd.*	March. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Rose Hall	1.20	.35	30	5	1.05
Running Gut	...	...	...	...	1.41
Spring	...	...	...	...	...
Ironshore	...	...	...	...	1.35
Friendship	...	...	...	...	...
Providence	...	...	...	...	1.10
Montego Bay P.W.D.	.95	.45	26	4	...
Catherine Hall	...	...	...	...	1.94
Catherine Mount	...	...	...	...	1.66
Fairfield	..	...	...	...	1.89
Anchovy	...	...	...	...	1.67
Round Hill	...	...	...	...	2.09
Tryall	...	...	...	...	1.67
Sandy Bay P.W.D.	1.30	.68	1	2	...
Lucea P.W.D.	1.73	1.40	29	5	...
Orange Cove	...	...	...	...	2.60
Central Sub-Division—					
Headworks R.C.C.	.28	.14	14	3	3.76
Linstead P.W.D.	.20	.20	5	1	2.14
Wakefield	...	...	...	...	...
Point Hill P.W.D.	.83	.83	30	1	...
Harkers Hall P.W.D.	.74	.32	6	4	...
Chapelton P.W.D.	1.04	.92	9	2	2.85
Danks Savoy	...	...	...	...	...
Mears	.35	.21	28	4	..
Cave Valley	.60	.35	25	2	3.20
Means	1.29	...	...	...	2.15
West Central Division.					
Mocho	...	...	...	...	...
Baillieston	3.73	1.48	28	5	
Farm Plantation	1.96	1.65	28	2	3.35
Brockenhurst Pln.	...	...	...	...	3.04
Christiana P.W.D.	2.41	1.05	28	8	...
Kendal P.W.D.	2.34	1.40	28	5	...
Mandeville P.W.D.	3.19	2.20	28	6	4.76
Marshalls Pen	...	...	...	...	3.80
Ulster Spring P.W.D.	.68	.47	24	3	...
Troy	2.59		...	...	...
Windsor Pen	1.42	1.42	24	1	1.13
Balaclava P.W.D.	2.27	1.24	28	5	...
Elim	.90	.24	...	4	...
Appleton	4.22	1.53	30	9	4.29
Maggotty P.W.D.	4.39	2.58	30	7	...
Spring Vale	2.33	1.30	1	2	2.84
Mareon Town	...	...	...	...	3.14
Kempshot	2.53	1.60	1	5	2.35
Kepp	4.22	1.67	24	10	3.71
Kew Park	2.09	.58	25	7	...
Hazelymph	1.55	.81	24	3	...
Mount Carey	1.45	1.10	1	2	...
Windsor Forest	...	...	...	...	4.17
Chester Castle	...	...	...	...	...
Darliston P.W.D.	3.54	1.16	24	10	...

West Central Division, *contd.*	March, 1897. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Withorn, P.W.D.	3.23	1.60	29	8	...
New Gallaway	2.95	1.40	29	5	..
Lethe Bridge	.54	.20	9	4	...
Copse	1.49	95	1	3	2.55
Cacoon Castle	2.42	1.55	1	4	2.35
Golden Grove	...	...	...	...	3.21
Great Valley	2.51	1.78	29	4	1.93
Brownsville	2.97	1.04	29	9	...
George's Plain Estate	...	...	..	...	...
Fontabelle	...	...	...	...	3.05
Morgans Bridge P.WD	2.69	.87	2	9	...
King's Valley	1.97	.60	30	8	2.79
Abingdon	...	...	...	...	3.41
Means ...	2.57	...	...	...	2.92

Southern Division.					
Morant Point L.H.	.85	.61	2	6	2.02
Morant Bay P.W.D.	.37	.12	6	4	...
Lyssons	...	...	...	...	...
Easington P.W.D.	.00	.00	...	0	...
Abbey	...	...	...	...	2.72
Halberstadt	...	...	...	...	2.27
Bull Bay P.W.D.	.00	.00	...	0	...
Gordon Town	1.55	1.35	28	3	...
Hope Gardens	.65	.62	29	2	2.36
Hope Reservoir	...	...	...	...	..
Cherry Garden	...	...	...	...	2.56
King's House	0.41	0.27	29	2	1.65
Cavaliers	...	...	...	...	...
Shortwood	.44	.35	28	3	...
Monaltrie	.10	.08	29	2	1.63
Halfway-Tree P.W.D.	.11	.05	28	3	...
Camperdown	...	...	...	...	...
Public Works Office Kn.	.13	.13	6	1	1.38
Plumb Point L. H.	.00	.00	...	0	1.17
Ferry P. W. D.	.08	.08	28	1	...
Caymanas	...	...	...	...	...
Spanish Town P. W. D.	1.37	1.37	28	1	2.79
Windsor Park	...	...	...	...	2.21
Hog Hole Pen P.W.D.	.28	.28	5	1	3.11
Old Harbour P.W.D.	.98	.98	28	1	2.41
Somerset Hall	...	...	...	...	...
May Pen P.W.D.	.59	.30	5	3	...
Hermitage	.00	.00	...	0	...
Denbigh	.25	.25	5	1	2.05
Yarmouth P.W.D.	.14	.14	23	1	...
Victoria Town P.W.D.	.80	.48	28	3	...
Stone's Hope	1.76	1.35	28	6	2.90
Newport P.W.D.	3.17	2.64	28	5	...
Alligator Pond P.WD.	.69	.69	28	1	...
Potsdam	1.37	.47	10	7	2.93
Long Hill	3.29	1.54	9	4	3.11
Pepper	5.30	2.19	28	4	3.96
Torrington P.W.D.	.76	.30	9	6	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D.	1.65	.57	28	5	3.10

Southern Division, *contd.*	March, 1897. Total Fall	Greatest fall in 24 hours Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Holland	2.94	1.33	30	4	...
Black River P.W.D.	.33	.23	28	2	2.17
Whitehall	...	...	...	...	...
Font Hill	.70	.40	28	2	..
Grand Vale		...	...	...	...
Peter's Ville	2.22	.72	27	8	...
Mount Edgecombe	1.24	.65	30	6	2.77
Sweet River	3.52	1.84	29	4	3.19
Windsor, Sav.-la-Mar	4.83	2.27	29	7	2.93
Sav -la-Mar P.W.D.	2.88	1.40	29	6	...
Retreat	2.64	1.49	29	4	...
Negril Pt Lighthouse	1.19	.67	29	7	...
Means ...	1.49	...	...	...	2.51

Comparative Table of Rainfall.

(Based upon the "Average" Stations only.)

	March. 1897. In.	March. Average. In.
North Eastern Division	2.01	4.45
Northern "	1.29	2.15
West Central "	2.57	2.92
Southern "	1.49	2.51
Means	1.82	3.01

The greatest monthly fall, viz., 5.30 ins. was recorded at Pepper, in the Southern Division: Windsor—Sav.-la-Mar, in the same Division, coming next with a fall of 4.83 ins. And no rain fell at five stations as follows: Stony Hill Reformatory, in the North Eastern Division; Easington P. W. D., Bull Bay P.W.D., Plumb Point Light House, and Hermitage, in the Southern Division. The greatest fall in 24 hours was 2.64 ins. on the 28th at Newport P.W.D in the Southern Division. The greatest number of days on which rain fell was 15 at Bath—Forty-seven stations had in 24 hours falls of between 1 and 3 inches, and no station had a record above these.

The rainfall throughout the Island gives a better result than the two preceding months, being about two-thirds of the average.

A large number of stations reported having the heaviest fall between the 28th and 30th.

The following will give the precentage relation between the mean and the averages for each Division:—
North Eastern division—55 per cent below the average.
Northern " 40 " " " "
West Central " 12 " " " "
Southern " 41 " " " "

The following notes have come to hand :—

N. E. Division.

Moneague.—Exceedingly dry, strong wind during the month. Water scarce, save in a few places.

Gayle.—The driest three months for over 20 years.

Castleton Gardens.—The drought has not been felt at Castleton.

N. Division.

Brown's Town.—The weather for the most part has been hot, very dry and sultry. The want of water is much felt in the Cave Valley district. Persons having to send about seven or eight miles for water. The pastures along the road are dry, and not much feeding.

W. C. Division.

Copse.—The severe drought continues, water a great scarcity and all vegetation burnt up.

Farm.—Severe drought, great scarcity of water until 28th, when rain came in time to save our lives.

Mandeville, Kendal and Christiana.—The drought was a hard and bad one. It broke on Sunday the 28th.

S. Division.

Mount Edgecombe.—The Total fall 2.79 ins. for the first three months of this year is one of the three smallest for that period, from 1880, inclusive, viz., 1888, 2.77 ins.; and 1891, 2.64 ins.

Denbigh Estate.—This is the severest drought ever experienced by the oldest of the inhabitants in the district; from December, 1896, we have only had three very light showers of rain. Water is not to be had anywhere for miles around, and grass there is none.

Newport, Alligator Pond and Victoria Town.—The drought was a hard and bad one. It broke on Sunday 28th March.

Below will be found a statement of the Rainfall recorded during this year, compared with the average fall during the months in question :

	1897.	Average.
	ins.	ins.
January ...	0.82	4.09
February ...	0.69	2.64
March ...	1.82	3.01
	3.33	9.74

It will be seen that for the first quarter of the year the rainfall has been but one-third of the average.

Erratum.—Fontabelle in Trelawny with a fall of 2.65 ins. for February has been wrongly entered in the next Central Div.

J. F. Brennan.

19th April, 1897.

No. 212.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

APRIL, 1897.

KINGSTON :—METEOROLOGICAL OBSERVATIONS.

Elevation above Sea-level 50 feet.

Day.	Bar. Pressure.* 7 a.m. I.	7 a.m. II.	3 p.m. I.	3 p.m. II.	Mean. II.	Temperature. 7 a.m.	3 p.m.	Max.	Min.	Range.	Dew Point and Humidity. 7 a.m.		3 p.m.		Wind. Direction (from) and miles per hour. 7 a.m.		3 p.m.		Mean for the day.		Total Miles of Wind.
	30 or 29 In.	30 or 29 In.	30 or 29 In.	30 or 29 In.	30 or 29 In.	°	°	°	°	°	°		°								
1	.917	.894	.824	.862	.878	73.4	85.4	87.4	72.1	15.3	65.2	76	66.9	54	N	2	SE	3	SE	2	50
2	.929	.906	.828	.861	.884	73.1	84.6	85.5	71.3	14.2	66.2	79	68.6	59	N	2	SSE	4	SE	2	57
3	.955	.932	.885	.921	.927	74.4	86.3	87.0	72.1	14.9	65.8	75	69.0	56	N	3	S	3	S	3	72
4	.961	.938	.844	.882	.910	73.5	85.4	89.3	71.5	17.8	65.2	75	68.2	56	Z	0	SE	5	SE	3	70
5	.932	.909	.867	.905	.907	72.8	85.4	88.9	71.7	17.2	63.6	72	68.4	57	N	2	SSE	6	SSE	4	96
6	.948	.925	.870	.908	.917	73.4	83.8	87.8	72.9	14.9	67.8	83	66.1	55	Z	0	ESE	7	SSE	5	122
7	.959	.936	.869	.907	.922	76.2	86.0	87.4	72.1	15.3	69.0	78	69.7	58	N	2	SSE	12	SSE	6	156
8	.964	.941	.864	.902	.922	74.2	85.2	87.4	72.8	14.6	68.5	82	70.8	62	N	1	SSE	11	SSE	6	144
9	.938	.915	.840	.878	.897	74.1	85.3	86.6	70.9	15.7	66.3	77	71.3	63	N	1	SSE	12	SSE	7	157
10	.967	.944	.887	925	.936	74.5	84.9	87.6	72.2	15.4	64.4	71	71.9	65	N	2	SSE	9	SSE	6	135
11	.987	.964	.921	.959	.962	75.4	83.4	87.9	72.1	15.8	68.7	80	71.5	68	N	1	SE	4	SE	3	82
12	.992	.969	.891	.929	.949	73.8	87.4	89.5	72.8	16.7	69.2	85	70.5	57	Z	0	SE	8	SE	4	88
13	.971	.948	.928	.966	.957	76.5	76.1	86.4	72.9	13.5	68.2	76	74.0	93	N	1	N	1	Var	2	51
14	.967	.934	.862	.900	.917	74.6	84.2	84.9	71.7	13.2	69.6	84	70.4	63	N	1	SE	5	SE	4	96
15	.964	.941	.879	.917	.929	73.2	84.3	86.6	71.6	15.0	66.3	79	70.7	64	N	1	SSE	10	SSE	5	126
16	.942	.919	.873	.911	.916	73.8	84.6	88.3	71.7	16.6	65.0	74	68.3	58	N	2	SE	7	SE	6	141
17	.919	.886	.872	.910	.898	77.4	84.2	85.9	73.9	12.0	68.7	75	70.3	63	N	2	SSE	12	SSE	8	188
18	.989	.966	.925	.963	.965	75.8	83.2	85.7	73.3	12.4	67.4	75	72.2	61	N	1	SE	9	SSE	6	137
19	.997	.974	.890	.928	.951	74.3	84.0	86.7	72.3	14.4	67.0	78	70.6	64	Z	0	SE	7	SSE	6	143
20	.009	.986	.963	.001	.994	77.3	82.5	86.5	71.6	14.9	68.1	73	70.0	66	Z	0	S	2	S	3	67
21	.988	.965	.915	.953	.959	74.2	81.4	83.5	71.8	11.7	68.7	83	69.0	66	N	2	S	2	S	2	52
22	.982	.909	.878	.916	.913	75.6	83.8	86.9	73.8	13.1	67.7	77	67.2	58	N	1	S	1	S	2	58
23	.943	.920	.916	.954	.937	73.6	77.4	84.0	71.6	12.4	68.1	83	72.8	86	N	2	N	2	S	2	52
24	.944	.921	.916	.954	.938	74.4	84.0	86.4	70.9	15.5	69 7	85	70.6	64	N	2	N	2	S	2	60
25	.960	.937	.903	.941	.939	73.5	85.2	87.6	71.4	16.2	69.5	87	67.2	55	N	1	Z	0	Var	2	60
26	.973	.950	.922	.960	.955	73.9	83.0	86.4	71.2	15.2	68.2	82	71.6	69	Z	0	SE	3	SE	4	90
27	.981	.958	.900	.938	.948	72.6	85.5	86.4	69.8	16.6	66.9	82	70.3	61	Z	0	S	4	S	3	77
28	.941	.918	.861	.899	.909	74.6	84.7	87.3	72.4	14.9	65.3	73	71.8	65	N	1	S	7	S	4	104
29	.932	.909	.861	.899	.904	76.1	84.4	88.2	73.1	15.1	65.7	70	70.5	63	N	1	SE	8	SSE	4	97
30	.958	.935	.883	.921	.928	76.6	84.7	87.7	73.0	14.7	69.3	78	68.4	58	Z	0	SE	7	SE	4	87
Means.	29.958	29.935	29.884	29.922	29.929	74.6	84.0	86.9	72.1	14.8	67.3	78	70.0	63	N	1.1	SE by S	5.8	SSE	3.9	94.0

* **Explanation.** Bar. I.=Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32°, of Gravity at Latitude 45° and of Mean sea level.
Bar. II.=Barometer further reduced to Diurnal Mean (Reduction being for this month—.023 at 7 a.m. and +.038 at 3 p.m.

LIBRARY JUL 27 1897 WEATHER BUREAU

KINGSTON:—METEOROLOGICAL OBSERVATIONS

Day.	Clouds (in tenths of the sky). 7 a.m. Lower.	7 a.m. Middle.	7 a.m. Upper.	3 p.m. Lower.	3 p.m. Middle.	3 p.m. Upper.	Rain-fall. Ins.	Weather: Remarks, &c.
1	...	...	...	..	1 Cum. SE	...	0.00	Fine but hazy a.m. Fine p.m.
2	...	...	...	...	1 Cum. W	...	0.00	Fine.
3	5 Alt. Str.	...	4 Cir. & Cir. s.	...	1 Cum. SE	4 Cir. & Cir. s. SE	0.09	Cloudy a.m. Fair p.m.
4	...	...	2 Cir.	...	1 Cum.	1 Cir.	0.00	Fine.
5	...	...	...	...	1 Cum. 2 Alt. Cum.	6 Cir. & Cir. s.	0.00	Fine a.m. Cloudy p.m.
6	...	...	...	1 Str.	2 Cum.	6 Cir. & Cir. s.	0.00	Fine but hazy a.m. Cloudy p.m.
7	...	...	1 Cir. & Cir. s. SE	...	1 Cum.	...	0.00	Fine.
8	...	1 Cum.	...	...	1 Cum. SE	...	0.00	Fine. Earthquake at 5.7 a.m,
9	...	...	...	...	...	8 Cir.	0.00	Fine a.m. Cloudy p.m.
10	...	...	8 Cir.	...	...	5 Cir. & Cir. s.	0.00	Cloudy a.m. Fair p.m.
11	...	...	4 Cir.	3 Str. Cum. SE	1 Cum. SE	5 Cir. & Cir. s.	0.00	Fair a.m. Cloudy p.m.
12	...	...	1 Cir. SE	...	2 Cum. SE	2 Cir. & Cir. s.	0.00	Fine a m. Fair p.m. Earthquake at 8.46 p.m.
13	...	...	1 Cir. & Cir. s.	9 Str. Cum.	...	1 Cir. S.	0.75	Fine a.m. Cloudy p.m. Rain from 12.15 to 1.47 p.m.
14	...	...	1 Cir. & Cir. s.	...	1 Cum. SE	1 Cir. SE	0.01	Fine a.m. Light rain during early morning. Fine p.m.
15	...	...	...	5 Str. Cum. SE 1 Mim.	...	...	0.00	Fine a.m. Cloudy p.m.
16	...	...	...	...	1 Cum.	2 Cir. & Cir. s.	0.00	Fine.
17	...	2 Cum	1 Cir.	...	...	3 Cir SE	0.00	Fine.
18	...	1 Cum. E	8 Cir. & Cir. s.	...	1 Cum. SE	9 Cir & Cir s.	0.00	Cloudy
19	...	...	10 Cir. & Cir. s.	...	1 Cum. SE	4 Cir.	0.00	Cloudy a.m. Fair p.m.
20	4 Str. Cum.	5 Alt Cum.	1 Cir. & Cir. s.	4 Str. 3 Str. Cum.	1 Cum.	2 Cir & Cir s.	0.7	Cloudy. Rain at 7.3 to 7.43 p.m.
21	5 Alt. Str. 2 Str. Cum.	...	3 Cir. & Cir s.	7 Str. Cum. SE	1 Cum.	2 Cir. S.	0.02	Cloudy. Rain at 11.12 to 11.24 a.m.
22	...	...	9 Cir. & Cir. s.	1 Alt. Str. 9 Str. Cum. SE	...	...	0.22	Cloudy a.m. Light rain from 2.58 to 3.26 p.m and from 3.37 to 4.23 p.m.
23	...	...	1 Cir. & Cir. s. W	6 Str. Cum. SE	2 Cum. SE	2 Cir & Cir s. SE	0.24	Fine a.m. Cloudy p.m. Rain from 11.20 a.m 12.4 p.m. and from 1.7 at intervals to 2.52 p.m.
24	2 Alt. Str.	1 Cum.	6 Cir. & Cir. s.	2 Alt. Str. 7 Str. Cum. SE	...	...	0.43	Cloudy a.m. Light rain at intervals from 12.51 to 3.25 p.m.
25	...	...	...	3 Str. Cum. SE	...	2 Cir & Cir s.	0.00	Fine a.m. Fair p.m.
26	...	...	...	2 Str.	3 Cum. SE	4 Cir & Cir s.	0.00	Fine a. m. Cloudy p. m.
27	...	...	...	2 Str. Cum. SE	1 Cum. W	...	0.00	Fine, but hazy a.m. Fine p.m.
28	...	...	...	...	1 Cum. SE	1 Cir.	0.00	Fine.
29	...	...	...	1 Str. 2 Str. Cum. SE	2 Cum. SE	1 Cir.	0.00	Fine a.m. Cloudy p.m.
30	3 Str. Cum. SE 1 Alt. Str.	1 Cum. SE	1 Cir. & Cir. s. SE	...	2 Cum. SE	7 Cir & Cir s. SE	0.09	Cloudy. Light rain from 7.41 to 7.50 a.m.
Means	0.7	0.4	2.1	2.3	1.0	2.6		
Total	...	...	...	...	...	...		Number of rainy days, 7.

JAMAICA METEOROLOGICAL RESULTS.

Station.	Elevation.	Bar. Pressure. 7 a.m.	Bar. Pressure. 3 p.m.	Temperature. 7 a.m.	Temperature. 3 p.m.	Temperature. Max.	Temperature. Min.	Temperature. Range.	Extreme Temperature. Max.	Date.	Min.	Date.	Range.
	ft.	In.	In.	°	°	°	°	°	°		°		°
Morant Point L. H.	8	...	...	...	...	...	...	...	...	...	...	...	...
Negril Point L. H.	33	29.939	29.883	77.6	82.6	85.9	71.5	14.4	95	7	68	3	27
King's House	400	...	...	71.6	85.9	90.5	65.0	25.5	94	4, 8	62	10, 29	32
Castleton Gardens	580	...	...	69.8	80.6	85.9	62.8	23.1	90	8, 10	60	2	30
Hope Gardens	600	...	...	72.0	83.6	88.3	67.8	20.5	95	22	65	1	30
Stony Hill Refty.	1,400	...	...	69.9	78.6	84.2	65.7	18.5	88	8, 13	63	1, 8	25
Hill Gardens	4,907	25.218	25.187	60.6	64.7	68.9	55.2	13.7	77	9	54	4, 17, 23	23

The bar. pressures at all the Stations except the Hill Gardens are reduced to the standards of Kew, 32°, gravity at Lat. 45°., and mean sea-level. The pressure at the Hill Gardens is reduced to the first three standards only. The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

Station.	Elevation.	Dewpoint and Humidity. 7 a.m. °	7 a.m.	3 p.m. °	3 p.m.	Rain-fall.	Wind per diem.	Wind: direction (from) and miles per hour. 7 a.m.		3 p.m.		Amount of Cloud, Lower, Middle, and Upper. 7 a.m.			3 p.m.		
	ft.					In.	Miles.										
Morant Point L.H.	8	...	...	...	...	2.43	...	...	...	...	...	...	...	...	...	...	...
Negril Point L. H.	33	71.7	82	74.3	77	6.01	236.6	NEbN	5.5	Var.	13.2	1.3	...	2.8	5.1	...	1.7
King's House	400	67.9	87	72.5	65	1.85	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	580	68.3	93	72.0	74	13.42	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens	600	66.7	84	69.9	63	2.12	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Refty.	1,400	66.9	90	72.5	82	3.87	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	4,907	54.2	77	60.1	83	6.87	12.0	...	...	...	...	...	...	...	...	...	...

The miles of wind per diem are measured by Robinson Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured

The amount of Cloud is given in tenths of the whole sky; the lower clouds are for the most part fracto-stratus; the middle clouds, cumulus; and the upper clouds, cirrus, or cirro-stratus.

The Health of Kingston.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

		April.	
		1897.	Average.
Infantile diseases not otherwise specified	...	12	27
Lung diseases	...	18	16
Fever and Malaria	...	10	9
Dysentry and Diarrhœa	...	12	15
Various	...	39	55
Total	...	91	122

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

Day.	Hour.	Temperature. Max.	Min.	Temp.	Rain.	Remarks.	Observer's Initial
1897.		°	°	°	in.		
January 31st ...	10.30 a.m.	70.9	38.8	61	4.30	Fine.	D. W.
February 27th ...	3.30 p.m.	70.9	40.8	51	0.90	Fine, clear, high wind from N.E.	W. H.
March 31st ...	2.30 p.m.	67.9	39.8	61	3.10	Fine, but cloudy.	W. H.
April 30th ...	10 a.m.	70.9	42.8	60	10.08	Misty.	D. W.

Rainfall for April, 1897.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to the Tables published in January, 1892, as No. 124 (A) of the preceding series of Reports, Vol. II. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the Comparative Table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island: embracing the four divisions.

North-Eastern Division.	April. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Hordley	6.16	1.85	21	11	5.58
Manchioneal P.W.D.	5.92	1.95	21	19	...
Bath P. W. D.	5.32	2.02	23	14	...
Moore Town P. W. D.	14.22	2.67	23	13	...
Mt. Ephraim	...	...	...	...	...
Port Antonio P. W. D.	8.65	2.35	20	17	6.87
Fellowship P. W. D.	14.03	2.67	23	19	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Burlington	...	...	...	...	...
Shrewsbury P. W. D.	16.27	5.49	23	14	...
Cedar Valley P. W. D.	2.78	.77	23	8	...
Green Vale	...	...	...	...	...
Cinchona Plantation	6.87	2.90	24	18	7.17
Resource	5.50	...	...	...	...
Buff Bay P. W. D.	7.14	1.61	24	10	...
Cold Spring	6.96	1.59	25	11	...
Hardware Gap P.W.D.	7.54	1.75	24	10	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	6.83	1.75	23	7	...
Stony Hill Rfty.	...	...	...	...	5.30
Castleton Gardens	13.42	3.50	23	17	6.74

North-Eastern Division, *contd.*	April. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Lawrence's Tavern P. W. D.	4.37	1.50	23	9	...
Albany P. W. D.	7.65	2.65	22	9	...
Quebec	...	...	...	...	...
Richmond P. W. D.	8.49	3.65	23	8	...
Highgate P. W. D.	8.93	2.35	21	12	...
Gayle	8.25	3.50	23	8	4.50
Gayle P. W. D.	6.99	2.55	23	10	...
Rio Hoe	6.13	1.57	24	11	4.40
Unity Valley	7.57	1.62	23	15	4.76
Moneague P.W.D.	6.44	1.35	21	12	...
Claremont	...	...	...	...	...
Albion	8.97	1.70	24	12	4.55
Averham Park	12.13	2.23	23	12	5.13
Ballintoy P.W.D.	11.30	1.78	6	16	...
Means	8.68	...	...	...	5.52
Northern Division					
Port Maria P.W.D.	8.73	3.75	23	10	2.79
Drax Hall	2.56	.48	20	11	2.84
St. Ann's Bay P.W.D.	5.41	1.85	20	12	...
Seville	...	...	...	...	2.85
Richmond Estate	...	...	...	...	2.56
Llandovery	8.04	3.17	20	6	2.76
Brown's Town P.W.D.	8.60	2.69	20	12	...
Home Castle	6.75	2.20	20	9	2.37
Richmond Pen	8.00	1.15	6	12	4.15
Mahogany Hall	10.35	3.13	20	10	3.37
Brampton Bryan	4.51	2.56	20	8	1.96
Bryan Castle	8.99	1.72	20	10	1.86
Braco	3.35	1.35	23	5	2.32
Arcadia	4.27	2.42	20	6	2.02
Arcadia Great House	5.20	2.92	20	10	...
Harmony Hall	...	...	...	...	1.91
Lancaster	4.28	1.75	20	8	2.26
Vale Royal	10.48	5.86	20	12	2.67

North-Eastern Division, *contd.*	April. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Clochis Pen	6.47	3.00	6	7	3.02
Hyde	6.77	2.75	20	7	2.85
Georgia	7.40	3.90	20	9	2.19
Steelfield	8.21	4.45	20	8	2.26
Oxford	8.66	6.30	20	7	1.95
Cambridge	10.72	7.50	20	7	2.57
Dry Valley	...	..	...	...	..
Lottery	9.20	6.25	20	6	2.00
Hampstead	14.25	9.00	21	8	...
Falmouth	4.20	..	...	...	2.04
Falmouth P.W.D.	3.75	.86	30	8	...
Fontabelle	12.50	4.90*	20	13	...
Martha Brae	...	...	...	...	..
Long Pond	8.07	4.02	28	12	...
Holland Pen	3.90	.95	30	6	2.41
Pembroke	...	...	...	...	2.71
Golden Grove	14.35	...	...	...	2.30
Green Park	4.01	1.02	19	9	1.63
Tilston	10.75	...	...	...	2.36
Weston Favell	12.31	2.70	24	13	3.48
Orange Valley	5.98	...	...	...	1.75
Kent	5.75	...	...	...	2.02
Dundee	7.82	...	...	...	1.86
Phœnix	7.87	1.65	30	12	4.51
Gale's Valley	11.75	...	...	...	2.51
Greenwood	3.82	...	...	...	1.61
Canaan	10.15	2.00	24	11	...
Lima	5.40	1.90	30	11	...
Content	4.95	1.80	23	9	2.16
Bellfield	7.71	1.70	30	11	...
Guilsbro'	7.53	...	...	...	3.27
Tryall	...	...	...	...	...
Leogan	...	...	...	...	2.57
Success	...	...	...	...	2.11
Cinnamon Hill	4.80	1.70	23	9	1.49
Rose Hall	4.63	1.65	23	10	1.43
Running Gut	...	...	...	...	1.77
Spring	4.75	...	...	...	...
Ironshore	4.38	...	...	...	2.65
Friendship	...	...	...	...	..
Providence	...	..	...	...	2.97
Montego Bay P.W D.	5.23	1.33	30	5	...
Catherine Hall	9.65	...	...	...	2.93
Catherine Mount	...	...	...	...	2.93
Fairfield	...	...	...	...	3.16
Anchovy	...	...	...	...	3.44
Eden	...	...	...	...	4.38
Wiltshire	...	...	...	...	4.07
Round Hill	...	...	..	...	2.26
Flint River	...	...	..	...	...
Tryall	...	...	...	...	3.03
Sandy Bay P.W.D.	5.29	1.35	19	9	..
Kew	...	...	...	...	5.04
Lucea P W.D.	3.78	1.10	16	15	...
Haughton Court	...	...	...	...	2.78
Orange Cove	...	...	...	...	3.68
Central Sub-Division—					
Headworks R.C.C.	3.23	1.23	25	6	3.47
Linstead P.W.D.	...	...	...	...	5.16
Wakefield	...	...	...	...	...

Northern Division, *contd.*	April. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Point Hill P.W.D.	...	...	...	...	...
Harker's Hall P.W.D.	...	...	...	...	...
Chapelton P.W.D.	5.89	1.94	26	9	3.18
Danks Savoy	5.22	2.08	24	7	...
Mears P.W.D.	9.15	1.80	2	13	..
Cave Valley	9.47	2.75	29	13	5.40
Means	7.24	...	...	...	2 57
West Central Division.					
Mocho P.W.D.	...	...	...	...	...
Baillieston P.W.D.	6.69	2.00	26	8	...
Farm Plantation	8.96	1.80	23	11	4.05
Brockenhurst Pln.	...	...	...	...	6.06
Christiana P.W.D.	9.53	1.85	23	15	...
Kendal P.W D.	9.84	2.00	23	13	...
Mandeville P.W.D.	9.05	3.05	23	16	3.98
Marshalls Pen	...	...	...	...	5.44
Ulster Spring P.W.D.	12.90	2.51	17	...	...
Troy	11.46	2.40	20	...	6.79
Windsor Pen	8.36	3.30	20	11	...
Balaclava P.W.D.	12.49	2.45	24	11	...
Elim	10.43	2.16	28	10	...
Appleton	9.50	2.43	6	14	9.70
Maggotty P.W.D.	9.49	1.71	25	15	...
Spring Vale	13.07	2.65	20	12	4.82
Maroon Town	...	...	...	...	7.93
Kempshot	7.89	1.66	20	10	4 81
Kepp	7.59	1.41	6	16	9.83
Kew Park	8.18	1.71	13	12	8.61
Hazelymph	10.35	2.67	15	12	...
Mount Carey P.W.D.†	4.80	1.04	30	6	...
Windsor Forest	...	...	...	..	10.10
Chester Castle	...	...	...	...	7.35
Darliston P.W.D.	14.54	3.62	6	13	...
Whithorn, P.W.D.	7.01	1.97	16	14	...
New Galloway	6.57	1.85	16	11	...
Lethe Bridge	4.85	1.60	19	9	...
Copse	7.63	1.55	15	9	5.81
Cacoon Castle	13.05	2.59	20	10	5.28
Golden Grove	...	...	...	...	9.05
Great Valley	14.44	4.08	30	13	9.23
Brownsville	14.64	4.33	20	16	...
George's Plain Estate	...	...	...	...	...
Fontabelle	...	...	...	...	5.22
Morgan's Bridge P.WD	7.82	1.30	18	14	...
King's Valley	8.50	1.65	14	11	5.03
Abingdon	...	...	...	...	5.62
Means	9.94	...	...	...	6.49
Southern Division.					
Morant Point L.H. P. W.D.	2.43	.58	26	11	2.97
Morant Bay P.W.D.	1.91	.66	30	10	...
Lyssons	...	...	...	...	...
Easington P.W.D.	.85	.34	23	6	...
Abbey	...	...	...	...	2.78
Halberstadt	3.01	...	...	...	3.39

* Gauge overflowed.
† Gauge situated at Kingsgate.

West Central Division, *contd.*	April. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Bull Bay P.W.D.	.89	.40	30	3	...
Gordon Town P.W.D.	3.15	.50	26	11	...
Hope Gardens	2.12	.62	13	7	2.45
Hope Reservoir	...	...	...	...	2.45
Cherry Garden	...	...	...	...	3.53
King's House	1.85	.65	13	5	2.72
Cavaliers	...	...	...	...	...
Shortwood	1.91	.60	11	6	...
Constant Spring	...	...	..	...	...
Monaltrie	1.09	.60	14	8	1.42
Halfway-Tree P.W.D.	92	.49	13	4	...
Camperdown	...	...	...	...	...
Public Works Office Kn.	2.00	...	...	...	1.08
Plumb Point L. H.	2.03	1.18	13	6	1.09
Ferry P. W. D.	2.15	1.00	13	3	...
Caymanas	...	...	...	...	2.07
Spanish Town P. W. D.	...	..	.	...	2.85
Windsor Park	.49	.28	24	3	3.06
Hog Hole Pen P.W.D.	...	...	...	...	3.33
Old Harbour P.W.D.	...	...	...	...	2.09
Somerset Hall P.W.D	...	...	...	...	..
May Pen P.W.D.	3.21	1.23	30	8	...
Amity Hall	2.45	1.00	29	4	...
Hermitage	3.06	.98	30	6	...
Denbigh	2.20	1.50	26	4	2.11
Yarmouth P.W.D.	3.80	2.00	26	2	...
Victoria Town P.W.D.	4.69	2.27	23	7	...
Stone's Hope	5.34	1.44	23	10	4.44
Newport P.W.D.	3.20	.74	23	10	...
Alligator Pond P.W.D.	6.26	2.08	22	7	...
Potsdam	3.72	1.47	23	10	5.30
Long Hill	10.23	2.15	24	9	8.92
Pepper	9.63	3.30	25	9	8.02
Torrington P.W.D.	5.41	1.35	11	10	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D.	8.44	3.15	23	10	...
Holland	5.26	1.61	24	12	...
Black River P.W.D.	3.97	1.38	23	8	4.09
Spring Hill	7.10	1.40	25	10	...
Whitehall	...	...	...	...	...
Font Hill	...	...	...	...	..
Grand Vale		...	...	..	...
Peter's Ville	7.06	1.77	16	13	...
Mount Edgecombe	6.06	1.35	24	12	4.29
Sweet River	6.69	2.07	14	10	4.92
Windsor, Sav.-la-Mar	7.52	2.13	14	10	4.96
Sav.-la-Mar P.W.D.	8.27	2.52	14	11	...
Blackheath	...	...	...	..	...
Retreat	10.59	5.21	14	9	...
Negril Pt. Lighthouse P.W.D.	6.01	1.28	14	12	...
Means ...	4.21	...	...	...	3.86

Comparative Table of Rainfall.

(*Based upon the "Average" Stations only.*)

	April. 1897.	Average
	In.	In.
North Eastern Division	8.68	5.52
Northern "	7.24	2.57
West Central "	9.94	6.49
Southern "	4.21	3.86
Means	7.52	4.61

The greatest monthly fall, viz., 16.27 ins. was recorded at Shrewsbury P.W.D. in the North Eastern Division: Brownsville in the West Central Division, coming next with a fall of 14.64 ins., and the least fall viz., 0.49 in. at Windsor Park in the Southern Division. The greatest fall in 24 hours was 9.00 ins. at Hampstead, in the Northern Division, on the 21st. The greatest number of days on which rain fell was 19 at Manchioneal and at Fellowship, in the North Eastern Division; and the least number of days was 2, at Yarmouth P.W.D., Southern Division. Sixteen stations had in 24 hours, falls of between 3 and 5 inches, and seven stations had falls in excess of these.

The rainfall throughout the Island has shown a marked excess in each Division, and almost every station (except 14 in number) give falls much in excess of their averages, and the Rainfall for the month has therefore compensated in a fair way for the excessive drought during the first three months of the year.

The following will give the precentage relation between the mean and the averages:—

North Eastern division—57 percent above the average

Northern " 182 " " " "

West Central " 53 " " " "

Southern " 9 " " " "

The mean for the whole Island however gives an excess of 63 per cent. above the average.

There was a large preponderance of rain between the 20th and 23rd and 63 stations out of 134, or just about one-half of the number, have reported the greatest fall in 24 hours, upon those dates or about that time of the month.

The following notes have come to hand :—

N. E. Division.

Moneague.—For the first 12 days of the month no rain felt, and the weather was intensely hot, but since the 12th fine showers have fallen in and around Moneague, and everything is now looking green and fresh.

Gayle.—First part of month dry, third week fine showers : Weather cool.

Rio Hoc Pen.—The first part of the month has been very dry. Showers commenced on the 13th and continued until the 29th. These showers had come just in time.

Castleton Gardens.—A slight shock of earthquake at about 8.40 p.m., on the 12th inst.

Cinchona Plantation.—Earthquake at 8.50 p.m. on 12th inst.

N. Division.

St. Ann's Bay.—The rainfall for the month has been about twice the average for 5 previous years. Up to 19th the weather has been comparatively dry, and most of the rain fell upon five days towards the close of the month.

Brown's Town.—The weather was very pleasant and seasons good.

Hampstead.—On April 21st the rain fell from 2.15 p.m., to 6 p.m., when 9 inches was recorded.

Fontabelle.—The gauge ran over at 4.90 ins. on the 20th as recorded, and there was another heavy rian on the 24th of 3.40 ins.

W. C. Division.

Copse.—Sharp shock of earthquake on the 12th at about 9h. 5m. p. m. No pond rains yet.

Brownsville.—Last year (1896) only .64 ins. fell in April. In April 1895, 9.80 ins.

Windsor.—Slight tremors of earthquake felt at 8.45 p.m., on the 12th.

Farm, Pratville.—Very congenial showers after the distressing drought of last month.

King's Valley.—The severe drought which has lasted 4½ months came to an end on the 13th April.

S. Division.

Windsor Park.—Entire absence of thunderstorm or electrical disturbance during the first four months of the year.

Denbigh.—This month has been exceptionally void of the usual showers, only one fall on the 26th was good, otherwise made up of 10 and 20 parts.

Mount Edgecombe.—This rainfall (6.06) was well spread over the month, and a striking change for the better in all vegetation is the consequence.

Shortwood.—On the 8th earthquake 5.10 a.m., on the 12th 8.45 p.m.

Petersville.—On the night of the 12th at 8.50 p.m., a slight shock of earthquake from east to west. The drought is now over, ponds filling and pastures looking green again.

Hermitage.—A slight shock of earthquake at 8.45 p. m. on the 12th.

Below will be found a statement of the Rainfall recorded during this year, compared with the average fall during the months in question :

		1897.	Average.
		ins.	ins.
January	...	0.82	4.09
February	...	0.69	2.64
March	...	1.82	3.01
April	...	7.52	4.61
	Total	10.85	14.35

These results give a deficiency of about 25 per cent below the average. The excess for April does not counterbalance the deficiencies of the first three months. Three-and-a-half inches of rainfall is required to make up to the average of 14.35 ins.

Earthquakes.

Two shocks of earthquake were felt during the month at several stations of the Island. One occurred in Kingston on the 8th at 5h. 7min. a.m and another on the 12th April at 8h. 46min. p.m.

The shock of the 8th did not appear to have been so generally felt : Shortwood being the only other station reporting the shock. In Kingston it was experienced at 5h. 7min. a.m., and at Shortwood at 5h. 10m. a.m. The Seismograph fitted up in the Kingston Weather Office gave a clear record of the vibrations. The most extensive oscillations were in a direction east and west giving upon measurement 0.055 of an inch, and there were one or two smaller vibrations from a north and south direction giving 0.040 of an inch.

The following will give particulars of the wind and bar. pressure at about the time.

Total Wind.

7th—156 miles. 8th—144 miles. 9th—157 miles.

Bar. Pressure.

Corrected for 32°, gravity 45°, sea level and Diurnal var.

7th—3 p.m. 29.907. 8th 7 a.m. 941, 3 p.m. 902 9th—7 a.m. 915

It will be noticed that the wind gave a decided drop in the number of *miles* upon the day of shock. The barometer however gave a higher reading at about the time of shock than at the hours previous and afterwards.

The shock of the 12th was felt at many places over the Island, all reporting the time within a few minutes of each other, except that of Copse which felt the shock nearly a quarter of an hour after Kingston. At Castleton Gardens it was felt even earlier than Kingston, by 6 minutes. It is questionable whether much reliance can be placed upon the differences of the times with stations so widely separated.

The Seismograph failed to give a satisfactory record upon this occasion.

The following will give particulars of the wind and bar. pressure at about the time In Kingston the shock was felt at 8h. 46m. p.m.

Total Wind.

11th – 82 miles. 12th—88 miles. 13th—51 miles.

Bar. Pressure.

11th—3 p.m. 29.959. 12th—7 a.m. .969. 12th—3 p. m. .929. 13th—7 a.m. .948.

The total miles of wind was higher than both the day previous and the day after the shock.

The bar. pressure at about 6 hours before the shock gave a lower reading than 10 hrs. after the shock.

Raingauges.

The Raingauge hitherto kept at Richmond Police Station is removed to the Public Works Office in the same district about 2 miles from the present Station from the 1st May.

The Raingauge hitherto designated as at Mount Carey in the West Central Division will be considered as at King's Gate which is a little over a mile from Mount Carey.

The Kingston Tide-gauge.

Upon referring to the reports of the Kingston Harbour tide for December, 1896, there has been observed a rather exceptional rise on the 12th at 3 p.m. ; and as this phenomenon may in all likelihood have some connection with earthquake shocks in the neighbourhood some notice may be given here of the details as recorded.

The following are the readings in inches for the respective hours upon the 12th. :—

9	10	11	Noon	1	2	3	4	5
23.6	23.4	23.2	23.0	22.6	22.8	26.0	22.6	21.4

The differences of height of water from hour to hour will be seen to vary but by fractions of an inch, when from 2 to 3 p.m. there appeared a rise of 3.2 inches and from 3 to 4 a corresponding fall.

The weather conditions at about that period may be here noticed.

The wind changed at noon from S to E and gave a reduced velocity of from 5 miles to 3 miles at 3 p.m. and then to 1 mile per hour at 4 p.m. The total miles of wind registered gave ;—11th 74 miles, 12th 50 miles, 13th 90 miles pointing clearly to less wind on the day of this disturbance.

The Barometer with all allowances made for reduced readings gave for 3 p.m. : 11th 29.944, 12th 29.932, 13th 29.946.

Weather Office, J. F. Brennan.
May 17th, 1897.

No. 213.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

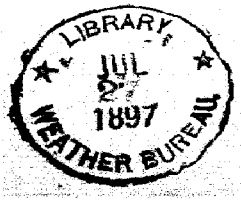
MAY, 1897.

KINGSTON :—METEOROLOGICAL OBSERVATIONS.

Elevation above Sea-level 50 feet.

Day.	Bar. Pressure.* 7 a.m. I.	7 a.m. II.	3 p.m. I.	3 p.m. II.	Mean. II.	Temperature. 7 a.m.	3 p.m.	Max.	Min.	Range.	Dew Point and Humidity. 7 a.m.		3 p.m.		Wind. Direction (from) and miles per hour. 7 a.m.		3 p.m.		Mean for the day.		Total Miles of Wind.
	In.	In.	In.	In.	In.	°	°	°	°	°	°		°								
1	.934	.912	.879	.912	.912	78.1	83.7	84.9	74.0	10.9	72.2	82	72.9	70	S	2	SE	3	S	4	86
2	.936	.914	.874	.907	.911	74.8	84.3	85.3	71.7	13.6	72.0	91	70.7	64	N	1	SE	6	S	8	72
3	.933	.911	.907	.940	.926	77.3	84.8	85.4	71.5	13.9	73.0	87	73.1	68	Z	0	S	4	S	8	72
4	.957	.915	.871	.904	.910	76.2	86.5	86.8	73.7	13.1	71.6	86	71.9	62	Z	0	S	4	S	8	72
5	.910	.888	.865	.898	.893	75.8	86.5	87.4	72.9	14.5	71.4	86	72.2	63	N	2	SE	3	S	8	81
6	.904	.882	.882	.915	.899	71.3	86.0	87.4	70.2	17.2	67.9	80	72.0	63	N	3	SE	5	SE	8	70
7	.903	.881	.864	.897	.889	75.6	88.4	89.8	71.3	18.5	68.4	78	71.2	57	N	1	SW	3	SW	8	78
8	.942	.920	.868	.901	.911	78.6	88.5	90.4	73.7	16.7	69.1	70	71.2	57	N	3	S	4	S	4	85
9	.922	.900	.839	.872	.886	77.6	85.5	87.5	73.8	13.7	69.0	75	72.6	66	Z	0	SE	5	SE	4	94
10	.890	.868	.817	.850	.859	76.8	82.4	8 .9	73.8	14.1	71.5	84	72.2	71	N	1	SE	5	SE	4	91
11	.876	.854	.836	.869	.862	77.7	86.1	86.8	72.9	13.9	69.9	74	69.1	57	Z	0	SE	4	SSE	4	102
12	.900	.878	.836	.869	.874	78.8	84.8	88.3	73.8	14.5	69.6	73	71.8	65	N	1	SE	9	SSE	4	92
13	.916	.894	.823	.856	.875	79.1	86.9	88.9	73.8	15.1	68.5	70	72.5	63	N	2	SSE	12	SSE	6	136
14	.920	.898	.836	.869	.884	79.8	87.7	89.4	75.3	14.1	68.8	70	73.8	64	Z	0	SE	8	SSE	5	114
15	.920	.898	.876	.908	.903	76.9	82.3	88.3	74.3	14.0	70.6	81	71.9	71	Z	0	N	1	SSE	4	94
16	.920	.898	.874	.907	.903	77.6	87.1	87.2	72.8	14.4	70.3	78	67.6	53	N	1	N	1	Var	2	51
17	.892	.870	.877	.910	.890	77.6	74.5	87.8	70.5	17.3	68.0	72	70.9	90	N	1	N	3	SE	3	61
18	.895	.873	.840	.873	.873	76.1	83.5	86.8	69.9	16.9	69.6	80	70.9	66	N	1	S	2	S	2	50
19	.841	.819	.799	.832	.826	78.3	84.7	86.8	74.4	12.4	69.7	75	71.7	69	N	2	S	2	S	2	49
20	.835	.813	.766	.798	.808	77.8	86.6	87.4	71.7	15.7	69.9	77	71.7	63	N	1	S	5	S	3	68
21	.820	.798	.770	.808	.801	79.4	86.9	88.7	73.4	15.3	72.1	79	69.5	56	Z	0	S	4	S	3	76
22	.864	.842	.839	.879	.857	79.8	87.7	88.5	75.7	12.8	70.9	75	71.5	59	N	2	S	6	S	4	91
23	.921	.899	.828	.861	.880	79.8	87.1	90.4	75.2	15.2	70.1	72	70.9	59	Z	0	N	1	SE	3	83
24	.919	.897	.905	.938	.918	78.8	84.5	89.7	75.0	14.7	71.4	78	72.1	67	N	2	N	1	SE	3	74
25	.899	.877	.881	.914	.896	79.3	82.2	89.2	74.7	14.5	70.5	75	68.2	63	N	1	N	4	SE	3	72
26	.921	.899	.891	.924	.917	79.7	84.7	89.4	75.1	14.3	70.6	74	71.0	64	N	1	SE	5	SSE	6	139
27	.905	.883	.883	.916	.900	78.6	80.7	87.7	73.2	14.5	72.5	82	75.0	83	Z	0	N	2	Var	2	60
28	.901	.879	.852	.885	.882	81.2	84.2	88.8	74.2	14.6	71.0	71	73.4	70	N	2	N	2	S	3	71
29	.856	.834	.809	.842	.838	80.7	86.6	88.4	74.8	13.6	72.6	77	73.8	66	N	1	SE	4	SE	4	88
30	.897	.875	.877	.910	.893	77.1	85.6	86.8	75.0	10.8	75.7	95	76.0	73	N	1	S	5	SE	5	116
31	.956	.934	.938	.971	.953	83.4	86.8	88.0	78.2	9.8	78.4	72	75.2	69	SE	3	S	7	SSE	6	139
Means.	29.903	29.881	29.855	29.888	29.885	78.1	85.1	87.9	73.6	14.3	70.7	78	73.8	66	N	1.1	SE by S	4.2	SSE	3.6	84.7

* Explanation. Bar. I.=Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32°, of Gravity at Latitude 45° and of Mean sea level.
Bar. II.=Barometer further reduced to Diurnal Mean (Reduction being for this month—.022 at 7 a.m. and +.033 at 3 p.m.



KINGSTON:—METEOROLOGICAL OBSERVATIONS.

Day.	Clouds (in tenths of the sky). 7 a.m. Lower.	7 a.m. Middle.	7 a.m. Upper.	3 p.m. Lower.	3 p.m. Middle.	3 p.m. Upper.	Rain-fall.	Weather: Remarks, &c.
							Ins.	
1	6 Alt Str. 3 Str. Cum. SE	...	1 Cir. s. SE	...	4 Cum. SE	3 Cir. & Cir. s.	0.21	Rain during early part of morning, from 6.47 to 7.54 a.m. Cloudy p.m. Thunder to NW at 4.52 p.m. Rain at 8.48 to 9.7 p.m.
2	...	...	1 Cir. s	2 Str. 2 Str. Cum.	1 Cum. SE	4 Cir. & Cir. s.	0.00	Fine a.m. Cloudy p.m.
3	...	1 Cum.	2 Cir.	2 Str.	2 Cum. SE	6 Cir. & Cir. s.	0.09	Fine a. m. Cloudy p. m. Thunder to NW at 5.40 p.m.
4	...	...	...	...	2 Cum. SE	3 Cir. & Cir. s.	0.04	Fine a.m. Fair p.m. Light rain from 6.37 to 7.32 p.m.
5	...	...	1 Cir & Cir s	...	1 Cum. SE	1 Cir SE	1.75	Fine a.m. Rain from 7.20 to 9.5 p.m.
6	...	...	...	1 Str.	2 Cum. SE	2 Cir.	0.00	Fine a.m. Fair p.m.
7	...	...	...	...	3 Cum. SE	1 Cir.	0.00	Fine a.m. Fair p.m.
8	...	1 Alt. Cum.	...	...	1 Cum. SE	1 Cir. E	0.00	Fine.
9	...	...	1 Cir. & Cir. s.	5 Str. Cum.	1 Cum.	2 Cir & Cir s.	0.00	Fine a.m. Cloudy p.m.
10	...	8 Alt. Cum. 1 Cum.	...	6 Str. Cum.	1 Cum.	3 Cir & Cir s. E	0.00	Cloudy
11	...	...	1 Cir.	4 Str. Cum. SE	1 Cum. SE	2 Cir & Cir s. SE	0.00	Fine a.m. Cloudy p.m.
12	...	...	2 Cir.	4 Str. Cum.	1 Cum.	2 Cir & Cir s	0.00	Fine a.m. Cloudy p.m.
13	...	...	...	...	...	2 Cir. & Cir. s. SE	0.00	Fine.
14	...	...	2 Cir. & Cir. s. SE	... 1 Alt. Str.	2 Cum. SE	1 Cir. & Cir. s. SE	0.00	Fine.
15	...	...	7 Cir. & Cir. s.	6 Str. Cum. SE	...	1 Cir. s.	0.01	Cloudy. Light rain from 6.40 to 6.55 p.m., and at 7.28 to 7.37 p.m. Thunder and lightning at intervals during early part of night.
16	...	...	1 Cir.	8 Str. Cum. 3 Alt. Str.	...	1 Cir. s.	0.07	Fine a.m. Cloudy p.m. Thunder NW during the day. Rain at 3.47 to 5.25 p.m.
17	...	...	...	4 Str. Cum.	...	2 Cir & Cir. s.	0.17	Fine a.m. Cloudy p.m. Thunder to NW at 1 p.m. Rain 1.10 to 2.47 p.m., and 3.27 to 4.50 p.m.
18	...	1 Alt. Cum.	...	4 Str. Cum. 1 Alt. Str.	...	4 Cir & Cir s.	0.00	Fine a.m. Cloudy p.m.
19	...	4 Alt. Cum.	5 Cir. & Cir s.	3 Str. Cum.	1 Cum. SE	4 Cir & Cir s.	0.00	Cloudy.
20	...	...	...	...	1 Cum.	1 Cir. c.	0.00	Fine.
21	...	...	...	...	1 Cum.	...	0.00	Fine.
22	...	1 Cum.	...	... 1 Alt. Str.	1 Cum.	1 Cir. & Cir s.	0.00	Fine. Thunder and lightning NW at 8.50 p.m.
23	...	...	1 Cir.	3 Str. Cum. SE 1 Alt. Str.	1 Cum.	3 Cir. & Cir. s.	0.01	Fine a.m. Cloudy p.m. Light rain at 2.20 p.m. to 2.38 p.m.
24	...	...	7 Cir. & Cir. s. 3 Cir. & Cir.	3 Str. Cum. SE 1 Alt. Str.	1 Cum. SE	5 Cir & Cir s.	0.01	Cloudy. Thunder to East: intervals from 11.36 a.m. to 12.45 p.m. Light rain from 12.50 to 1.13 p.m.
25	...	4 Alt, Cum.	1 Cir. c. s.	7 Str Cum E	...	1 Cir s	0.00	Cloudy.
26	...	...	3 Cir. & Cir. s.	3 Alt. Str. 1 Alt. Str.	1 Cum.	6 Cir & Cir s	0.15	Fair a.m. Cloudy p.m. Squall from SE at 6.47 p.m. Thunder to SW, with lightning and rain, 7.04 to 8.55 p.m.
27	...	8 Alt. Cum.	1 Cir.	2 Str. Cum. SE 4 Alt. Str.	2 Cum. SE	4 Cir & Cir s.	0.02	Cloudy. Light rain from 11.52 a.m. to 12.3 p.m., and from 2.3 to 2.8 p.m.
28	...	...	1 Cir. & Cir. s.	3 Str. Cum. SE	2 Cum.	1 Cir s	0.00	Fine a.m. Cloudy p.m.
29	...	...	...	...	2 Cum.	8 Cir & Cir s.	0.00	Fine a.m. Cloudy p.m.
30	3 Alt. Str. 5 Str. Cum. SE	1 Cum.	1 Cir.	...	1 Cum. SE	8 Cir & Cir s.	1.03	Cloudy. Squall with rain from SE at 2.15 a.m. Rain 7.11 to 7.16 a.m. and at 7.47 to 8.4 a.m. and at intervals during the day Light rain from 4.37 to 4.52 p.m.
31	...	1 Cum. E	1 Cir.	4 Str. Cum.	1 Cum.	2 Cir.	0.00	Fine, a.m. Cloudy p.m.
Means Total	0.5 ...	1.0 ...	1.4 ...	2.9 ...	1.2 ...	2.8 ...	3.47	Number of rainy days, 11.

JAMAICA METEOROLOGICAL OBSERVATIONS.

Station.	Elevation.	Bar. Pressure. 7 a.m.	Bar. Pressure. 3 p.m.	Temperature. 7 a.m.	Temperature. 3 p.m.	Temperature. Max.	Temperature. Min.	Temperature. Range.	Extreme Temperature. Max.	Date.	Min.	Date.	Range.
	ft.	In.	In.	°	°	°	°	°	°		°		°
Morant Point L. H.	8	...	...	...	...	...	...	...	...	...	...	...	...
Negril Point L. H.	33	29.889	29.849	80.0	84.2	86.4	72.9	13.5	90	8	68	5	22
King's House ...	400	...	...	74.3	83.6	89.8	67.1	22.7	92	5, 13	63	1	29
Castleton Gardens...	580	...	...	72.6	81.9	86.4	64.6	21.8	89	12. 23	60	3	29
Hope Gardens ...	600	...	...	73.4	83.7	87.3	68.6	18.7	91	14	67	9, 17	24
Stony Hill Refty. ...	1,400	...	...	72.7	70.9	82.5	67.1	15.4	85	13	65	1, 2	20
Hill Gardens ...	4,907	.	.	62.9	64.9	68.6	58.8	9.8	72	13	54	6	18

The bar. pressures at all the Stations except the Hill Gardens are reduced to the standards of Kew, 32°, gravity at Lat. 45°., and mean sea-level. The pressure at the Hill Gardens is reduced to the first three standards only. The Thermometers are exposed in Stevenson Screens: their readings have been corrected for instrumental errors.

Station.	Elevation.	Dewpoint and Humidity. 7 a.m.		3 p.m.		Rain-fall.	Wind per diem.	Wind: direction (from) and miles per hour. 7 a.m.		3 p.m.		Amount of Cloud. Lower, Middle, and Upper 7 a.m.			3 p.m.		
	ft.	°		°		In.	Miles.										
Morant Point L.H.	8	...	...	...	...	10.72	...	...	...	...	...	...	...	...	...	...	...
Negril Point L. H.	33	72.5	78	73.6	71	3.39	235.5	Var.	6.6	Var.	13.2	1.3	0.7	4.9	5.2	0.8	3.0
King's House ...	400	70.4	87	69.3	60	5.75	...	...	..	...	...	...	...	...	...	...	...
Castleton Gardens	580	70.1	90	78.2	88	17.06	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens ...	600	70.4	87	69.3	60	7.56	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Refty. ...	1,400	69.6	90	72.1	86	10.67	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens ...	4,907	57.9	83	62.7	93	9.30	10.9	E	...	E	...	...	...	...	...	...	...

The miles of wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured

The amount of Cloud is given in tenths of the whole sky; the lower clouds are for the most part fracto-stratus; the middle clouds, cumulus; and the upper clouds, cirrus, or cirro-stratus.

The Health of Kingston.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

		May. 1897.	May. Average.
Infantile diseases not otherwise specified	...	22	22
Lung diseases	...	23	15
Fever and Malaria	...	12	8
Dysentery and Diarrhœa	...	9	14
Various	...	67	60
Total	...	133	119

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

Day.	Hour.	Temperature. Max.	Temperature. Min.	Temp.	Rain.	Remarks.	Observer's Initial.
1897.		°	°	°	in.		
January 31st ...	10.30 a.m.	70.9	38.8	61	4.30	Fine.	D. W.
February 27th ...	3.30 p.m.	70.9	40.8	51	0.90	Fine, clear, high wind from N.E.	W. H.
March 31st ...	2.30 p.m.	67.9	39.8	61	3.10	Fine, but cloudy.	W. H.
April 30th ...	10 a.m.	70.9	42.8	60	10.08	Misty.	D. W.
May 31st ...	12.30 p.m.	66.9	42.8	64	11.10	Cloudy	D. W.

Rainfall for May, 1897.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to the Tables published in January, 1892, as No. 124 (A) of the preceding series of Reports, Vol. II. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the Comparative Table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island: embracing the four divisions.

North-Eastern Division.	May. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Hordley	8.92	3.65	1	17	16.69
Manchioneal P.W.D.	19.93	7.73	2	21	...
Bath P. W. D.	11.07	6.85	1	16	...
Moore Town P. W. D.	15.57	2.12	28	19	...
Mt. Ephraim	...	...	...	...	...
Port Antonio P. W. D.	16.61	3.92	24	24	20.65
Fellowship P. W. D.	15.06	3.89	24	23	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Burlington	...	...	...	...	...
Shrewsbury P. W. D.	15.26	3.50	27	19	...
Cedar Valley P. W. D.	10.45	1 60	4	15	...
Green Vale	...	...	...	...	...
Cinchona Plantation	9.30	2.05	17	21	10.27
Resource	6.40	...	...	...	...
Buff Bay P. W. D.	13.04	2.65*	28	19	...
Cold Spring	8.22	2.20	10	19	...
Hardware Gap P.W.D.	...	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	7.20	1.80	23	12	...
Stony Hill Rfty.	10.67	1.30	25	19	10.10
Castleton Gardens	17.06	2.80	15,28	19	12.90

North-Eastern Division, *contd.*	May. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Lawrence's Tavern P. W. D.	9.18	1.50	8	14	...
Albany P. W. D.	6.21	1.80	24	14	...
Quebec	...	...	...	...	7.72
Richmond P. W. D.	4.92	1.01	11	24	...
Highgate P. W. D.	5.48	.80	11	22	...
Gayle	6.75	1.50	11	11	8.93
Gayle P. W. D.	5.68	.90	11	16	...
Rio Hoe	14.77	3.43	15	17	10.90
Unity Valley	22.67	4.56	22	28	10.68
Moneague P.W.D.	20.04	6.00	15	20	8.85
Claremont	...	...	...	...	...
Albion	15.46	2.76	3	23	8.68
Averham Park	10.18	2.14	3	18	8.61
Ballintoy P.W.D.	15.65	3.10	3	19	...
Means	13 86	...	...	...	11.57
Northern Division					
Port Maria P.W.D.	6.26	2.50	27	12	7.64
Drax Hall	6.34	1.14	23	16	8.05
St. Ann's Bay P.W.D.	8.14	1.37	15	19	8.18
Seville	...	...	...	..	8.06
Richmond Estate	...	...	...	...	8.59
Llandovery	9.09	3.90	15	10	8.33
Brown's Town P.W.D.	8.18	1.08	25	17	9.50
Home Castle	6.50	1.30	2	17	6.29
Richmond Pen	15.40	2.05	10	15	8.13
Mahogany Hall	9.36	2.40	2	19	7.74
Brampton Bryan	5.96	1.31	2	17	6.36
Bryan Castle	7.36	2.20	11	16	5.46
Braco	5.47	1.76	25	13	5.51
Arcadia	5.97	1.62	11	17	4.71
Arcadia Great House	6.54	1.50	11	16	...
Harmony Hall	...	...	...	...	4.68
Lancaster	6.78	1.75	25	13	5.66
Vale Royal	6.84	1.30	11	17	6.54

* 2.60 of this fell in 3 hours.

Northern Division, *contd.*	May. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Clochis Pen	7.39	2.10	24	11	7.08
Hyde	9.94	1.30	3	20	8.50
Georgia	5.01	1.35	25	9	6.06
Long Pond	7.22	1.40	11	19	...
Steelfield	6.21	1.47	11	16	5.91
Oxford	7.05	1.75	11	17	5.92
Cambridge	8.60	2.00	11	16	6.78
Dry Valley	...	..	...	...	...
Lottery	7.78	1.70	11	14	6.69
Hampstead	8.52	2.80	11	8	...
Falmouth	5.06	..	...	...	6.02
Falmouth P.W.D.	4.59	1.36	25	12	...
Fontabelle	10.70	2.70	11	19	...
Martha Brae	...	...	...	...	...
Holland Pen	6.00	1.70	11	9	6.11
Pembroke	...	...	...	...	6.28
Golden Grove	7.95	...	...	...	8.67
Green Park	5.19	1.05	11	17	6.91
Tilston	5.25	...	...	...	8.29
Weston Favell	10.19	1.50	28	19	10.99
Orange Valley	4.87	...	...	...	5.90
Kent	3.93	.95	26	11	6.14
Dundee	3.74	...	...	...	6.89
Phœnix	7.28	1.80	12	21	8.57
Gale's Valley	7.70	...	...	...	9.21
Greenwood	6.04	1.85	26	8	4.05
Canaan	...	...	...	...	...
Lima	...	...	...	...	...
Content	...	...	...	...	8.06
Bellfield	5.10	1.25	11	14	...
Guilsbro'	7.54	...	...	...	8.79
Tryall	...	...	...	...	...
Leogan	...	...	...	...	5.75
Success	...	...	...	...	5.41
Cinnamon Hill	...	...	...	...	3.46
Rose Hall	...	...	...	...	2.23
Running Gut	...	...	...	...	4.82
Spring	4.45	1.30	25	10	...
Ironshore	7.24	..	..	...	5.06
Friendship	...	...	...	...	..
Providence	...	...	...	...	5.33
Montego Bay P.W D.	8.69	2.79	1	12	6.87
Catherine Hall	8.27	...	...	...	7.94
Catherine Mount	...		...	...	8.19
Fairfield	..	...	...	...	9.67
Anchovy	...	...	...	...	9.38
Round Hill	...	...	...	...	6.74
Tryall	...	...	...	...	6.79
Sandy Bay P.W.D.	9.26	3.50	11	10	...
Lucea P W.D.	8.12	3.10	11	14	...
Orange Cove	...	...	...	...	8.52
Central Sub-Division —					
Headworks R.C.C.	11.55	5.54	4	10	9.12
Linstead P.W.D.	18.61	4.70	4	18	10.43
Wakefield	...	...	...	...	..
Point Hill P.W.D.	19.06	5.86	10	26	...
Harker's Hall P.W.D.	17.03	3.85	10	22	..

Northern Division, *contd.*	May. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Chapelton P.W.D.	14.61	1.82	10	22	7.75
Danks Savoy	15.61	2.36	25	19	..
Mears P.W.D.	11.94	2.41	10	22	...
Cave Valley	13.06	2.97	3	21	10.80
Means	7.86	...	...	...	7 31
West Central Division.					
Mocho P.W.D.	...	...	...	...	...
Baillieston	15.37	1.88	9	22	...
Farm Plantation	13.57	3.80	25	13	10.13
Brockenhurst Pln.	...	...	...	...	13.68
Christiana P.W.D.	18.53	2.68	10	20	...
Kendal P.W D.	15.74	2.80	3	20	...
Mandeville P.W.D.	15.15	2.90	25	18	12.76
Marshalls Pen	...	...	...	...	11.68
Ulster Spring P.W.D.	15.92	2.00	9	20	..
Troy	19.61	3.75	9	21	...
Windsor Pen	16.72	2.82	26	21	10.81
Balaclava P.W.D.	22.24	3.23	1	21	...
Elim	20.50	5.83	10	14	...
Appleton	14.78	2.72	7	21	10.85
Maggotty P.W.D.	8.97	1.83	9	25	...
Spring Vale	19.92	2.80	11	22	12.43
Maroon Town	...	...	...	...	10.88
Kempshot	14.26	2.50	26	15	8.32
Kepp	14.07	3.17	10	22	12.51
Kew Park	17.11	3.15	10	22	11.22
Hazelymph	16.49	2.63	25	16	13.13
Mount Carey*	8.76	1.85	11	13	...
Windsor Forest	...	...	...	..	13.70
Chester Castle	...	...	...	...	10.95
Darliston P.W.D.	14.19	3.58	10	21	...
Whithorn. P.W.D.	18.45	5.25	11	20	...
New Galloway	18.42	5.00	10	15	...
Lethe Bridge	16.37	4.05	11	17	..
Copse	17.50	3.85	11	20	11.82
Cacoon Castle	20.71	3.55	11	18	13.13
Golden Grove	...	...	...	...	15.16
Great Valley	16.20	3.46	11	15	10.79
Brownsville	18.43	3.25	12	19	...
George's Plain Estate	...	...	...	...	...
Fontabelle	...	...	...	...	8.84
Morgan's Bridge P.WD	11.68	2.20	10	15	..
King's Valley	13.13	2.55	10	18	11.72
Abingdon	...	...	...	...	7.50
Means ...	16.11	...	...	...	11.51
Southern Division.					
Morant Point L.H. P. W.D.	10.72	4.65	2	18	13.73
Morant Bay P.W.D.	5.70	4.00	1	13	...
Lyssons	...	..	...	...	...
Easington P.W.D.	5.10	2.15	29	11	...
Abbey	...	...	...	...	10.11
Halberstadt	..	...	...	...	10.16

* King Gate.

Southern. Division, *contd.*	May. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Bull Bay P.W.D.	1.66	1.50	29	2	...
Gordon Town	...	...	...	...	...
Hope Gardens	7.56	1.49	26	15	6.72
Hope Reservoir	...	...	...	...	6.72
Cherry Garden	...	...	..	..	5.83
King's House	5.75	1.15	27	13	7.59
Cavaliers	...	...	...	...	...
Shortwood	6.44	1.29	17	18	...
Monaltrie	4.84	1.13	6	16	5.97
Halfway-Tree P.W.D.	3.84	.94	17	13	...
Camperdown	...	...	...	...	...
Public Works Office Kn.	3.47	1.75	6	11	5.58
Plumb Point L. H.	2.04	.98	29	8	6.19
Ferry P. W. D.	7.33	1.45	29	12	...
Caymanas	...	...	...	...	...
Spanish Town P. W. D.	7.81	3.30	3	13	6.66
Windsor Park	7.08	1.72	3	11	6.55
Hog Hole Pen P.W.D.	8.43	3.45	3	11	7.62
Old Harbour P.W.D.	8.28	2.85	1	11	5.15
Somerset Hall	14.79	4.65	10	15	..
May Pen P.W.D.	12.04	3.56	10	13	...
Hermitage	10.72	3.71	1	9	...
Denbigh	...	...	...	...	7.94
Yarmouth P.W.D.	8.29	2.65	2	12	...
Victoria Town P.W.D.	17.12	5.80	10	18	...
Stone's Hope	7.27	1.72	10	13	10.44
Newport P.W.D.	7.32	1.30	10	12	...
Alligator Pond P.W.D.	10.76	2.39	3	13	
Potsdam	8.22	3.25	9	14	6.41
Long Hill	10.52	1.86	2	18	9.77
Pepper	15.26	4.10	2	17	11.60
Torrington P.W.D.	7.05	3.20	9	13	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D.	15.36	2.48	7	17	10.60
Holland	8.19	1.63	25	16	...
Black River P.W.D.	10.72	2.84	27	12	5.96
Whitehall	...	...	...	...	...
Font Hill	4.20	1.10	15	8	..
Grand Vale	...	...	...	...	...
Peter's Ville	10.60	2.18	15	16	...
Mount Edgecombe	8.07	2.13	10	14	6.53
Sweet River	11.02	4.15	10	10	7.15
Windsor, Sav.-la-Mar	7.99	3.50	10	13	9.52
Sav.-la-Mar P.W.D.	7.53	3.77	10	14	...
Retreat	9.50	3.22	15	12	...
Negril Pt. Lighthouse	3.39	1.53	15	10	...
Amity Hall	...	...	...	...	...
Constant Spring	...	...	...	...	...
Spring Hill	...	...	...	...	...
Blackheath					
Means ...	8.44	...	...	...	7.88

Comparative Table of Rainfall.
(*Based upon the "Average" Stations only.*)

	May. 1897.	Average
	In.	In.
North Eastern Division	13.86	11.57
Northern "	7.86	7.31
West Central "	16.11	11.51
Southern "	8.44	7.88
Means	**11.57**	**9.57**

The greatest monthly fall, viz., 22.67 ins. was recorded at Unity Valley in the Parish of St. Ann, and the least, viz., 1.66 in. was recorded at Bull Bay in the Parish of St. Andrew. The greatest fall in 24 hours was 7.73 at Manchioneal P.W.D., in Portland on the 2nd. The greatest number of days on which rain fell at any one place was 28 at Unity Valley. Thirty-seven stations had in 24 hours, falls of between 3 and 5 inches, and eight had falls between 5 and 8 ins.

The mean approximate rainfall for the whole Island as arrived at on the 8th of May, was 11.40 ins This result was obtained from 50 stations, with "averages." The results now published in the Comparative Table shows 11.57 as compared with an average fall of 9.57.

The rainfall for May was thus 21 per cent. above the average.

The following will give the percentage relation between the means and the averages for each Division:—
North Eastern division—20 per cent above the average
Northern " 8 " " " "
West Central " 40 " " " "
Southern " 7 " " " "

A large number of Stations reported having the heaviest fall between the 10th and 12th.

The following notes have come to hand :—

N. E. Division.

Castleton Gardens.—About the usual rain. The 2.80 ins. on the 28th came down in 45 minutes.

Rio Hoe Pen.—Fine rains from the 1st to the 30th Pastures, &c., are all looking well.

Gayle.—Seasonable; no real May "Season."

Moneague.—The rainfall for the month of May has been the heaviest for 5 years. On the 3rd, 10th, 15th, 22nd and 25th heavy falls occurred, viz. :—3.72 ins., 1.21 ins, 6.00 ins,, 3.10 ins. and 2.38 ins. respectively. The rain of the 15th May fell between midday and 10.30 p.m., and at night it then blew hard from the north, tremendous thunderstorm and lightning, most vivid. Moneague was deeply flooded for a time, and also the Hotel common gate entrance which was for a time impassable. Damage was done to most of the roads in this district.

N. Division.

St. Ann's Bay.—Thunderstorm at St. Ann's Bay on the 11th when 1.09 ins. rain fell in about 1½ hours. Much thundor also between the 15th and 16th. Sea very calm during part of first week of the month and at intervals during the balance of the month. The mean indoor temperature at 7 a.m. was 78° and at 3 p.m. 83°.

Fontabelle. Trelawny.—The total rainfall for May (11.70) is less than the previous month (12.50), but there were more rainy days which have made the May Seasons very acceptable to Planters and Penkeepers, and also to the small settlers.

Mahogany Hall.—Rainfall for corresponding month for previous year as follows—1891, 13.06; 1892 9.23; 1893 10.82; 1894 13.31; 1895 18.64; 1896 5.60.

Brown's Town.—Throughout the month the weather has been hot and sultry, occasional gusts of breeze; not blowing for any long time, but short and sharp.

W. C. Division.

Mandeville.—Rains good. Vegetation now shows effect of drought. Crops will be large, mangoes bearing in central Manchester, a thing unknown for years past.

Copse.—Above the corresponding period last year, but below the usual fall for May.

Kepp —Shower of hail on 14th.

Farm.—Splended seasons' weather.

S. Division.

Sweet River.—Gauge overflowed on the 10th.

Mount Edgecombe.—This rainfall (8.07) though not high for the month has done much good and all vegetation is thriving.

Windsor. St. Catherine —The appearance of the weather pointed to rain almost every day, clouds gathered but no rain fell, but on the hills to the North it poured.

Below will be found a statement of the Rainfall recorded during this year, compared with the average fall during the months in question :

		1897.	Average.
		ins.	ins.
January	...	0.82	4.09
February	...	0.69	2.64
March	...	1.82	3.01
April	...	7.52	4.61
May	...	11.57	9.57
	Total	22.42	23.92

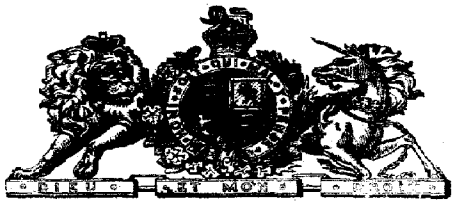
These results show that there is but now a deficiency of one and a half inches, or about six per cent below the average. Thus making up amply for the deficiencies during the first three months.

Weather Office,

18th June, 1897.

J. F. Brennan.

No. 214.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JUNE, 1897.

KINGSTON.—METEOROLOGICAL OBSERVATIONS.

Elevation above Sea-level 50 feet.

Day.	Bar. Pressure,* 7 a.m. I.	Bar. Pressure,* 7 a.m. II.	Bar. Pressure,* 3 p.m. I.	Bar. Pressure,* 3 p.m. II.	Bar. Pressure,* Mean. II.	Temperature. 7 a.m.	Temperature. 3 p.m.	Temperature. Max.	Temperature. Min.	Temperature. Range.	Dew Point and Humidity. 7 a.m.		Dew Point and Humidity. 3 p.m.		Wind. Direction (from) and miles per hour. 7 a.m.		Wind. 3 p.m.		Wind. Mean for the day.		Total Miles of Wind.
	29 or 30 In.	29 or 30 In.	29 or 30 In.	26 or 30 In.	29 or 30 In.	°	°	°	°	°	°		°								
1	.974	.961	.897	.924	.943	77.3	82.8	89.5	75.0	14.5	72.4	85	74.6	76	Z	0	S	5	S	3	63
2	.936	.923	.878	.905	.914	76.2	86.2	88.2	74.0	14.2	73.0	90	72.5	64	Z	0	SE	12	SE	4	102
3	.945	.932	.909	.936	.934	77.2	86.6	88.6	73.6	15.0	72.4	85	73.8	66	Z	0	SE	9	SSE	4	99
4	.936	.922	.925	.952	.937	80.4	84.1	88.8	74.2	14.6	69.5	70	70.9	65	N	1	E	4	SE	4	84
5	.928	.915	.862	.889	.902	77.4	79.8	81.0	76.0	5.0	71.4	82	71.6	76	N	2	S	6	SE	3	80
6	.960	.947	.900	.927	.937	74.6	83.6	88.7	73.3	15.4	73.4	96	71.6	67	N	2	SE	5	SE	5	110
7	.963	.950	.901	.928	.939	79.1	82.8	87.7	72.8	14.9	69.1	72	71.1	69	N	2	SE	13	SSE	4	100
8	.894	.881	.887	.864	.873	81.5	87.3	88.5	72.7	15.8	69.6	67	72.9	63	E	3	SE	11	SSE	5	126
9	.900	.887	.849	.876	.882	82.0	86.2	88.6	76.1	12.5	71.1	72	77.3	63	N	1	SE	11	SSE	5	120
10	.921	.908	.858	.880	.894	77.6	86.2	89.5	74.0	15.5	69.0	74	72.3	63	N	1	SE	10	SSE	5	119
11	.901	.888	.844	.871	.880	79.7	88.2	89.5	74.3	15.2	71.0	75	71.6	58	N	1	SE	8	SSE	4	101
12	.895	.882	.865	.892	.887	79.4	86.7	89.4	75.7	13.7	69.6	72	72.1	62	N	2	SE	7	SSE	5	118
13	.918	.905	.850	.877	.891	83.7	87.0	90.2	76.9	13.3	69.7	63	66.7	51	E	4	SE	11	SSE	7	157
14	.965	.952	.903	.930	.941	79.4	86.6	89.6	74.6	15.0	69.8	73	72.8	64	E	1	SE	12	SSE	6	135
15	.969	.956	.952	.979	.968	82.3	82.5	88.8	75.0	13.8	71.4	70	73.1	73	N	1	S	3	SSE	4	100
16	.963	.949	.935	.962	.956	82.8	90.1	90.9	75.4	15.5	71.3	68	67.0	48	E	3	SE	11	SSE	7	166
17	.970	.957	.909	.936	.947	84.0	90.1	90.9	75.3	15.6	67.7	58	67.6	48	E	3	SE	8	SE	6	146
18	.937	.924	.880	.907	.916	78.3	89.5	90.5	74.3	16.2	65.8	66	68.5	50	N	2	SE	7	SSE	5	115
19	.936	.923	.925	.952	.938	82.1	84.6	88.6	75.0	13.6	71.3	70	72.2	67	E	1	SE	4	SE	4	103
20	.969	.956	.902	.929	.943	79.6	88.1	89.4	76.1	13.3	71.4	76	69.4	54	NE	2	SE	12	SSE	7	163
21	.970	.957	.933	.960	.959	80.5	88.2	89.2	75.0	14.2	69.5	70	70.2	55	Z	0	SE	12	SSE	6	154
22	.964	.951	.921	.948	.950	82.5	87.0	88.3	74.3	14.0	69.8	66	70.3	58	Z	0	SSE	14	SSE	7	158
23	.989	.976	.948	.975	.976	79.4	85.6	89.5	73.9	15.6	68.8	70	70.0	54	N	1	SSE	12	SSE	5	123
24	.021	.008	.975	.002	.005	79.2	89.2	92.2	72.2	20.0	67.4	67	69.8	54	Z	0	SSE	13	SSE	4	101
25	.000	.987	.913	.940	.964	77.9	88.5	90.4	71.8	18.6	69.3	75	70.8	56	Z	0	SE	10	SSE	4	104
26	.981	.948	.931	.958	.953	82.7	88.2	89.8	75.8	14.0	71.4	69	70.9	60	SE	5	SE	10	SE	6	137
27	.979	.966	.939	.966	.966	80.8	88.0	89.6	76.3	13.3	68.2	66	70.5	56	N	2	SE	13	SSE	7	167
28	.977	.964	.953	.980	.977	77.6	86.5	89.5	74.3	15.2	65.3	66	73.2	65	Z	0	SE	12	SSE	5	126
29	.007	.994	.961	.988	.991	75.4	87.3	88.4	73.8	14.6	68.5	79	72.4	61	N	1	SE	5	SE	4	102
30	.996	.983	.954	.981	.982	78.7	85.5	90.1	74.3	15.2	70.4	76	74.1	69	N	1	SE	7	SSE	5	118
Means.	29.955	29.942	29.907	29.934	29.938	79.3	86.5	89.1	74.5	14.6	70.0	73	71.4	61	N	1.4	SE	9.2	SSE	5.0	119

* **Explanation.** Bar. I.=Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32°, of Gravity of Latitude 45° and of Mean sea level.
Bar. II.=Barometer further reduced to Diurnal Mean (Reduction being for this month—.013 at 7 a.m. and +.027 at 3 p.m.

LIBRARY AUG 24 1897 WEATHER BUREAU

KINGSTON:—METEOROLOGICAL OBSERVATIONS.

Day.	Clouds (in tenths of the sky). 7 a.m. Lower.	7 a.m. Middle.	7 a.m. Upper.	3 p.m. Lower.	3 p.m. Middle.	3 p.m. Upper.	Rain-fall.	Weather: Remarks, &c.
	2 Str. Cum. E						Ins.	
1	2 Stratus	...	5 Cir. & Cir. s E	8 Str. Cum. SE	...	8 Cir. & Cir. s.	0.20	Cloudy. Thunder to N at 12.29 p.m. Rain from 12.46 to to 12.57 p.m., and at 1.48 to 2. 7 p.m.
2	2 Str. Cum. 2 Alt. Str.	1 Cum.	3 Cir. s	3 Str. Cum. SE	2 Cum.	3 Cir. & Cir. s.	0.00	Cloudy. Thunder to N at 3.36 p.m.
3	...	2 Cum.	6 Cir. & Cir. s.	1 Alt. Str. ...	1 Cum. SE	2 Cir. & Cir. s. SE	0.00	Cloudy a.m. Fair p.m.
4	...	...	...	...	1 Cum. SE	8 Cir. & Cir. s.	0.00	Fine a.m. Cloudy p.m.
5	3 Str. Cum. E	2 Cum. E	2 Cir & Cir s E	1 Str Cum E 2 Alt. Str.	2 Cum. E	4 Cir. & Cir. s.	0.13	Cloudy. Rain at 8.40 to 9.21 a.m. and from 9.34 to 9.49 a.m., also at intervals during rest of the day. Thunder to SW at 9 a.m.
6	1 Alt. Str.	1 Cum.	6 Cir. & Cir. s.	3 Alt. Str.	...	2 Cir. & Cir s. SE.	0.17	Cloudy a. m. Fair p. m. Squall from SE at 2.15 a.m. with rain. Rain at intervals to 6.20 a.m. Squall from SE at 2.22 p.m.
7	...	1 Cum. E	3 Cir.& Cir. s.	1 Alt. Str.	1 Cum. SE	6 Cir. & Cir. s. SE.	0.00	Fair a.m. Cloudy p.m.
8	...	1 Cum. SE	4 Cir.	...	2 Cum. SE	...	0.00	Fair a.m. Fine p.m.
9	...	1 Cum.	1 Cir.	...	1 Cum.	4 Cir & Cir s.	0.00	Fine a.m. Fair p.m.
10	...	...	7 Cir.	...	4 Cum. SE	5 Cir & Cir s. SE.	0.00	Cloudy
11	...	...	2 Cir.	...	1 Cum. SE	2 Cir.	0.00	Fine.
12	...	2 Cum. E	5 Cir. & Cir. SE.	...	1 Cum. SE	8 Cir. & Cir. s.	0.00	Cloudy.
13	...	1 Cum. E	6 Cir.	...	1 Cum. SE	...	0.00	Cloudy a.m. Fine p.m.
14	...	...	9 Cir. & Cir. s.	...	1 Cum. SE	...	0.00	Cloudy a. m. Fine p.m.
15	...	1 Cum.	...	5 Str. Cum.	2 Cum.	1 Cir & Cir. s.	0.00	Fine a.m. Cloudy p.m.
16	...	2 Cum. SE	7 Cir. & Cir. s. SE	...	1 Cum. SE	9 Cir & Cir. s. SE	0.00	Cloudy.
17	...	...	...	...	2 Cum. SE	4 Cir. & Cir. s.	0.00	Fine but hazy a.m. Cloudy p.m.
18	...	...	9 Cir. & Cir. s.	1 Str. Cum. SE	3 Cum. SE	4 Cir. & Cir s.	0.00	Cloudy.
19	1 Alt Str. 2 Str Cum.	1 Cum. 2 Alt. Cum	3 Cir. & Cir. s.	4 Str. Cum. 2 Alt. Str.	1 Cum. SE	2 Cir & Cir. s.	0.03	Cloudy. Light rain from 11.57 a.m. to 12.04 p.m.
20	...	...	9 Cir.	...	1 Cum. SE	9 Cir & Cir. s.	0.00	Cloudy.
21	...	...	9 Cir. & Cir. s.	...	1 Cum. SE	1 Cir.	0.00	Cloudy a.m. Fine p.m.
22	...	1 Cum.	...	...	1 Cum. SE	...	0.00	Fine but hazy.
23	...	1 Cum.	...	...	1 Cum. SE	...	0.00	Fine but hazy a.m., Fine p.m.
24	...	...	2 Cir.	...	1 Cum.	...	0.00	Fine but hazy a.m. Fine p.m.
25	1 Str.	2 Cum. E	...	...	1 Cum. SE	3 Cir. & Cir. s. SE	0.00	Fair.
26	...	1 Cum.	...	...	1 Cum. SE	9 Cir. & Cir. s.	0.00	Fine a.m. Cloudy p.m.
27	...	...	7 Cir.	...	1 Cum. SE	...	0.00	Cloudy a.m. Fine p.m.
28	...	...	3 Cir.	...	2 Cum. SE	...	0.00	Fine but hazy a.m. Fine p.m
29	...	1 Cum.	...	...	...	8 Cir & Cir. s.	0.05	Fair a.m. Cloudy p.m. Rain at 9.48to 10.3 a.m.
30	...	...	...	...	...	6 Cir & Cir. s.	0.00	Fine but hazy a.m. Cloudy .p.m
Means Total.	0.5	0.8	3.6	1.0	1.2	3.6	0.58	5 Rainy days.

JAMAICA METEOROLOGICAL RESULTS.

Station.	Elevation.	Bar. Pressure. 7 a.m.	Bar. Pressure. 3 p.m.	Temperature. 7 a.m.	3 p.m.	Max.	Min.	Range.	Extreme Temperature. Max.	Date.	Min.	Date.	Range.
	ft.	In.	In.	°	°	°	°	°	°		°		°
Morant Point L. H.	8	...	...	...	...	...	...	...	...	...	...	...	...
Negril Point L. H.	33	29.940	29.912	79.2	83.3	87.6	73.0	14.6	90	18	71	24, 29	19
Kingston ...	50	29.955	29.907	79.3	86.5	89.1	74.5	14.6	92	24	72	25	
King's House ...	400	...	...	74.5	88.1	92.5	67.6	24.9	98	27	65	3, 22	33
Castleton Gardens...	580	...	...	73.0	84.5	89.1	64.7	24.4	92	24, 26	62	22, 23	30
Hope Gardens ...	600	...	...	74.3	86.7	89.9	69.5	20.4	95	24	68	18, 20	27
Stony Hill Refty. ...	1,400	...	...	73.0	81.6	84.8	67.8	17.0	89	13, 18	66	5	23
Hill Gardens ...	4,907	25.253	25.222	63.5	67.6	71.0	59.0	12.0	76	24	57	18, 21	19

The bar. pressures at all the Stations except the Hill Gardens are reduced to the standards of Kew, 32°, gravity at Lat. 45°., and mean sea-level. The pressure at the Hill Gardens is reduced to the first three standards only. The Thermometers are exposed in Stevenson's Screens; t eir readings have been corrected for instrumental errors.

Station.	Elevation.	Dewpoint and Humidity. 7 a.m. °	7 a.m.	3 p.m. °	3 p.m.	Rain-fall.	Wind per diem.	Wind: direction (from) and miles per hour. 7 a.m.		3 p.m.		Amount of Cloud. Lower, Middle, and Upper 7 a.m.			3 p.m.		
	ft.	°		°		In.	Miles.										
Morant Point L.H.	8	...	...	...	...	4.80	...	...	...	...	...	...	...	...	...	...	...
Negril Point L. H.	33	72.3	75	79.5	78	5.58	225.8	N E	6.5	Var.	12.2	0.7	0.6	5.9	5.6	2.6	0.5
Kingston ...	50	70.0	73	71.4	61	0.58	119.0	N	1.4	SE	9.2	0.5	0.8	3.6	1.0	1.2	3.6
King's House ...	400	70.8	87	75.8	67	0.54	...	...	..	...	...	...	...	...	...	...	...
Castleton Gardens...	580	69.8	90	71.4	62	4.31	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens ...	600	69.9	87	71.6	61	1.10	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Refty. ...	1,400	69.0	87	73.6	77	2.45	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens ...	4,907	58.8	83	62.2	81	0.91	18.6	...	...	...	...	...	...	...	...	...	...

The miles of wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the lower clouds are for the most part fracto-stratus; the middle clouds, cumulus; and the upper clouds, cirrus, or cirro-stratus

The Health of Kingston.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890 :—

		June. 1897.	June. Average.
Infantile diseases not otherwise specified	...	20	16
Lung diseases	...	21	14
Fever and Malaria	...	9	9
Dysentery and Diarrhœa	...	23	11
Various	...	53	54
Total	...	126	104

BLUE MOUNTAIN PEAK :—ELEVATION 7,423 FEET.

Day.	Hour.	Temperature. Max.	Temperature. Min.	Temp.	Rain.	Remarks.	Observer's Initial
1897.		°	°	°	in.		
January 31st ...	10.30 a.m.	70.9	38.8	61	4.30	Fine.	D. W.
February 27th ...	3.30 p.m.	70.9	40.8	51	0.90	Fine, clear, high wind from N.E.	W. H.
March 31st ...	2.30 p.m.	67.9	39.8	61	3.10	Fine, but cloudy.	W. H.
April 30th ...	10 a.m.	70.9	42.8	60	10.08	Misty.	D. W.
May 31st ...	12.30 p.m.	66.9	42.8	64	11.10	Cloudy.	D. W.
June 30th ...	10.00 a.m.	70.9	44.8	65	6.03	Cloudy.	D. W.

Rainfall for June, 1897.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to the Tables published in January, 1892, as No. 124 (A) of the preceding series of Reports, Vol. II. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the Comparative Table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island : embracing the four divisions.

North-Eastern Division.	June. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Hordley	5.92	1.27	5	13	15.06
Manchioneal P.W.D.	7.75	1.70	6	22	...
Bath P. W. D.	9.77	1.68	4	21	...
Moore Town P. W. D.	21.51	2.18	20	21	...
Mt. Ephraim	...	...	...	...	...
Port Antonio P. W. D.	12.25	2.67	5	26	19.41
Fellowship P. W. D.	15.52	3.30	5	25	...
Serge Island	...	...	...	...	...
Coloy Estate	...	...	...	...	...
Burlington	...	...	...	...	...
Shrewsbury P. W. D.	11.36	4.50	5	16	...
Cedar Valley P. W. D.	7.25	2.17	5	17	...
Green Vale	...	...	...	...	...
Cinchona Plantation	.91	...	...	...	...
Resource	.34	...	...	...	...
Buff Bay P. W. D.	8.03	2.07	5	11	...
Cold Spring	3.06	1.46	6	5	...
Hardware Gap P.W.D.	4.02	1.80	...	6	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	3.99	1.11	5	11	...
Stony Hill Rfty.	2.45	.90	1	6	8.15
Castleton Gardens	3.31	1.25	4	11	10.56

North-Eastern Division, *contd.*	June. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Lawrence's Tavern P. W. D.	5.21	1.35	3	9	...
Albany P. W. D.	2.97	1.20	6	10	...
Quebec	...	...	...	...	8.13
Richmond P. W. D.	5.16	1.68	4	12	...
Highgate P. W. D.	4.72	2.65	4	10	...
Gayle	4.30	2.00	6	7	9.27
Gayle P. W. D.	3.30	1.12	6	12	...
Rio Hoe	7.44	1.87	12	14	11.38
Unity Valley	7.29	1.84	28	22	8.71
Moneague P.W.D.	10.22	1.60	12	19	5.08
Claremont	...	...	...	...	...
Albion	6.39	1.35	2	16	6.50
Averham Park	4.70	.96	3	18	9.08
Ballintoy P.W.D.	4.81	.95	28	11	...
Means	6.43	...	...	...	10.32
Northern Division					
Port Maria P.W.D.	5.01	1.25	6	11	8.01
Drax Hall	4.28	1.34	8	8	4.97
St. Ann's Bay P.W.D.	3.63	1.68	4	12	3.14
Seville	2.14	...	...	..	5.89
Richmond Estate	...	...	...	...	6.80
Llandovery	1.50	.90	6	3	5.87
Brown's Town P.W.D.	4.56	1.09	2	9	3.25
Home Castle	1.95	.75	13	4	4.77
Richmond Pen	2.50	.95	1	4	5.87
Mahogany Hall	5.59	2.20	2	9	5.16
Brampton Bryan	3.51	1.30	7	10	2.43
Bryan Castle	2.62	.61	30	6	2.85
Braco	.82	.45	30	4	3.35
Arcadia	3.16	1.25	7	10	5.14
Arcadia Great House	2.45	.60	6	11	...
Harmony Hall	...	...	...	...	2.75
Lancaster	1.82	.50	30	6	3.33
Vale Royal	4.09	1.22	7	11	4.39

Northern Division, *contd.*	June. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Clochis Pen	5.19	2.22	3	10	5.46
Hyde	3.00	1.70	2	8	5.66
Georgia	2.02	.50	30	6	3.69
Long Pond	2.64	.65	2	10	...
Steelfield	2.64	.48	19	10	4.69
Oxford	2.30	.70	19	7	5.12
Cambridge	2.60	1.35	12	4	5.27
Dry Valley	...	..	...	...	...
Lottery	2.20	.80	19	8	4.05
Hampstead	2.10	.60	17	7	...
Falmouth	.70	..	...	...	2.41
Falmouth P.W.D.	.51	.31	19	3	...
Fontabelle	11.30	2.10	7	10	...
Martha Brae	...	...	...	...	...
Holland Pen	2.30	1.50	26	3	4.45
Pembroke	...	...	...	...	4.78
Golden Grove	6.75	1.75	7	13	6.02
Green Park	2.79	.85	26	11	3.78
Tilston	4.15	...	...	...	5.44
Weston Favell	7.70	1.50	4	15	8.29
Orange Valley	...	...	...	...	3.38
Kent	2.54	.50	26	9	3.80
Dundee	5.31	...	...	...	4.47
Phœnix	5.63	1.37	4	14	8.98
Gale's Valley	7.95	...	...	...	6.87
Greenwood	1.12	...	...	...	3.82
Canaan	5.10	1.00	4	11	...
Lima	3.08	1.05	26	13	...
Content	...	...	...	...	3.28
Bellfield	...	...	...	...	...
Guilsbro'	6.22	...	...	...	8.05
Tryall	...	...	...	...	...
Leogan	...	...	...	...	4.73
Success	.20	.20	4	1	2.05
Cinnamon Hill	.47	.32	26	3	3.94
Rose Hall	.37	.14	26	3	4.18
Running Gut	...	...	...	...	2.84
Spring	2.75	...	...	...	...
Ironshore	2.28	...	...	...	4.43
Friendship	...	...	...	...	...
Providence	...	...	...	...	4.34
Montego Bay P.W.D.	5.41	1.52	2	8	7.76
Catherine Hall	8.00	...	...	...	6.18
Catherine Mount	...	...	...	...	6.41
Fairfield	...	...	...	...	6.82
Anchovy	...	...	...	...	8.27
Round Hill	...	...	...	...	6.52
Tryall	...	...	...	...	6.94
Sandy Bay P.W.D.	8.53	1.72	4	16	...
Lucea P.W.D.	9.28	2.64	4	14	...
Orange Cove	...	...	...	...	7.71
Central Sub-Division—					
Headworks R.C.C.	2.38	1.15	19	5	8.09
Linstead P.W.D.	5.07	1.92	15	9	8.85
Wakefield	...	...	...	...	...
Point Hill P.W.D.	5.33	2.10	18	10	...
Harker's Hall P.W.D.	5.17	.90	16	12	...

Northern Division, *contd.*	June. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Chapelton P.W.D.	.51	.12	18	8	7.86
Danks Savoy	...	...	...	...	...
Mears P.W.D.	1.68	.50	15	8	...
Cave Valley	3.61	1.73	15	7	7.71
Means	3.38	...	...	...	5 22
West Central Division.					
Mocho P.W.D.	3.48	.88	2	16	...
Baillieston	2.97	.70	19	9	...
Farm Plantation	2.82	1.28	19	5	11.84
Brockenhurst Pln.	...	...	...	...	18.63
Christiana P.W.D.	2.61	.80	1	8	...
Kendal P.W.D.	2.58	.65	19	7	...
Mandeville P.W.D.	3.55	1.20	19	12	6.46
Marshalls Pen	...	...	...	...	6.69
Ulster Spring P.W.D.	.56	.56	7	1	...
Troy	1.21	.61	7	2	...
Windsor Pen	10.72	2.10	25	13	12.84
Balaclava P.W.D.	.10	.10	2	1	...
Elim	.00	.00	...	...	...
Appleton	1.81	.93	1	9	8.77
Maggotty P.W.D.	3.55	2.17	1	9	...
Spring Vale	13.11	1.89	4	16	11.30
Maroon Town	...	...	...	...	13.51
Kempshot	7.28	1.44	30	11	9.77
Kepp	4.00	1.85	18	8	8.48
Kew Park	6.8[illegible]	1.20	11	13	8.99
Hazelymph	12.65	2.04	27	17	9.31
King Gate*	7.38	1.48	2	14	...
Windsor Forest	...	.	...	.	9.55
Chester Castle	...	...	...	...	8.93
Darliston P.W.D.	5.69	1.78	15	13	...
Whithorn. P.W.D.	8.12	1.58	2	17	...
New Galloway	6.44	1.58	2	14	...
Lethe Bridge	9.80	3.00	29	15	
Copse	10.13	1.80	1	15	8.50
Cacoon Castle	14.70	3.18	7	14	9.48
Golden Grove	6.95	...	...	...	11.30
Great Valley	17.83	3.60	7	21	17.67
Brownsville	17.86	2.87	12	24	...
George's Plain Estate	...	...	...	...	...
Fontabelle	...	...	...	...	10.30
Morgan's Bridge P.W.D.	10.01	2.94	15	21	...
King's Valley	12.25	2.35	15	20	12.17
Abingdon	...	...	...	...	12.17
Means	8.90	...	...	...	10.49
Southern Division.					
Morant Point L.H. P.W.D.	4.80	1.65	6	14	7.70
Morant Bay P.W.D.	6.39	1.46	5	20	...
Lyssons	...	...	...	...	...
Easington P.W.D.	5.68	1.40	5	17	...
Abbey	...	...	...	...	14.90
Halberstadt	..	...	...	...	10.48

* Hitherto shown as Mount Carey.

Southern. Division, *contd.*	June. 1897. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which .1 or more fell.	Average.
	In.	in.			in.
Bull Bay P.W.D.	1.70	.95	6	3	...
Gordon Town	1.33	.60	...	4	...
Hope Gardens	1.10	.60	6	3	6.18
Hope Reservoir	...	...	...	..	6.18
Cherry Garden	...	...	..	..	10.09
King's House	0.54	...	...	...	..
Cavaliers	...	...	...	...	..
Shortwood	1.43	.56	1	7	...
Monaltrie	.79	.54	6	6	5.33
Halfway-Tree P.W.D.	.55	.37	5	2	...
Camperdown	...	...	...	...	...
Public Works Office Kn.	.58	.20	1	5	4.41
Plumb Point L. H.	.68	.66	5	3	4.74
Ferry P. W. D.	.79	.36	6	3	...
Caymanas	...	...	...	...	2.88
Spanish Town P. W. D.	.73	.42	5	2	5.93
Windsor Park	...	...	...	..	6.85
Hog Hole Pen P.W.D.	.60	.40	1	2	6.92
Old Harbour P.W.D.	1.33	.85	5	4	9.62
Somerset Hall	2.46	1.13	1	4	..
May Pen P.W.D.	.56	.31	19	4	...
Hermitage	4.15	1.78	19	7	...
Denbigh	.00	.00	...	0	4.86
Yarmouth P.W.D.	1.11	1.00	19	2	...
Victoria Town P.W.D.	2.72	1.33	19	9	...
Stone's Hope	4.37	1.50	19	12	12.70
Newport P.W.D.	3.53	1.30	19	8	...
Alligator Pond P.W.D.	3.30	2.35	1	3	..
Potsdam	1.25	.67	19	5	9.63
Long Hill	.61	.38	19	2	7.27
Pepper	.55	.40	20	2	5.47
Torrington P.W.D.	1.24	1.03	19	5	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D.	1.63	.90	1	5	7.14
Holland	3.66	.93	29	5	...
Black River P.W.D.	1.18	.69	19	6	3.92
Whitehall	...	...	..	...	...
Font Hill	...	...	...	...	
Grand Vale	...	...	...	...	...
Peter's Ville	4.48	2.34	18	10	...
Mount Edgecombe	4.47	2.60	18	13	7.01
Sweet River	7.10	1.75	7	19	6.89
Cornwall	3.88	.85	2	10	...
Windsor, Sav.-la-Mar	8.23	1.80	7	14	6.74
Sav.-la-Mar P.W.D.	8.22	1.78	3	14	...
Retreat	7.88	2.73	14	9	...
Negril Pt Lighthouse	5.58	1.94	11	13	...
Amity Hall	3.50	1.30	19	5	...
Constant Spring	...	...	...	...	...
Spring Hill	4.64	2.80	18	7	...
Blackheath					
Means ...	2.22	...	...	..	6.80

Comparative Table of Rainfall.
(*Based upon the "Average" Stations only.*)

	June. 1897.	Average.
	In.	In.
North Eastern Division	6.43	10.32
Northern "	3.38	5.22
West Central "	8.90	10.49
Southern "	2.22	6.80
Means	5.23	8.21

The greatest monthly fall, viz., 21.51 ins. was recorded at Moore Town. P. W. D., in Portland; and no rain fell at Elim W.C. Division and Denbigh in Clarendon. The greatest fall in 24 hours was 4.50 ins. at Shrewsbury in Portland, on the 5th. The greatest number of days on which rain fell at any one place was 26 at Shrewsbury. Five stations had falls of 3 to 5 inches in 24 hours.

The mean approximate rainfall for the whole Island as arrived at on the 7th of July, was 5.26 ins. This result was obtained from 45 stations, with "averages." The results now published in the Comparative Table show 5.23 ins., as compared with an average fall of 8.21 inches.

The rainfall for June was thus 36 per cent. below the average, or just three inches short.

The following will give the percentage relation between the means and the averages for each Division:—

North Eastern division—39 per cent below the average						
Northern	"	35	"	"	"	"
West Central	"	15	"	"	"	"
Southern	"	67	"	"	"	"

From the 1st to the 7th 73 stations reported an excess of rain, and upon the 18th and 19th 26 stations also had an excess.

The following notes have come to hand :—

N. E. Division.

Gayle.—Mild. Strong breeze.

Rio Hoe Pen.—Fine showers of rain in this month from the 2nd to 28th.

Moneague.—Rains have continued through the month and weather intensely hot and close with every appearance of more rain. On 29th and 30th June heavy thunder and lightning with considerable fall of rain on both days.

N. Division.

St. Ann's Bay.—Hot and close during the entire month. Average temperature indoors 7 a.m., 79°, 3 p.m. 85°.

Brown's Town.—The weather was as a rule hot and sultry during the month.

Green Park.—Pond rains wanted badly.

Canaan, Lima & Success &c.—Springs and ponds very low as no *heavy* rain has fallen, during the preceding 12 months, sufficient to fill the ponds or start the springs. Average for Success, Cinnamon Hill and Rose Hall 28 ins. for 12 months to date.

W. C. Division.

Farm Plantation.—Very warm weather, high winds, thermometer 88° in the shade.

Windsor Pen.—On the 25th during heavy rain in the afternoon hailstones of considerable size fell along with the rain.

Elim.—This has been the driest June that I have known here, not one drop of rain fell here for the month. Very high breezes and extremely hot.

Copse.—Fall this month above three last years at corresponding period. Severe thunderstorm on the 29th.

Brownsville.—As a result of the dry weather in January, February, and March, there is a plague of Caterpillars that are eating up all the grass.

S. Division.

Denbigh.—No rain at all this month, we had for May 10.85 ins.

Stones Hope.—10 years average 7.96 ins. Caterpillars attacked cassava between 26th and 29th. Worms about 3 ins. long and about 4 different colours; nearly 14 acres destroyed in a week.

Pepper Pen.—Very dry again with strong SE breezes the whole month.

Torrington.—On the early morning of the 19th 1.03 ins. rain fell accompanied with a very strong gale of wind from the south-west, in fact a storm, the rain being carried parallel to the ground.

Black River.—The weather has been very hot all through the month, the thermometer being seldom less than 95° to 96° in the shade during the day.

Peterville.—Dry again: ponds falling, and grass being eaten up by Caterpillars.

Below will be found a statement of the Rainfall recorded during the year, compared with the average fall during the months in question:

		1897.	Average.
		ins.	ins.
January	...	0.82	4.09
February	...	0.69	2.64
March	...	1.82	3.01
April	...	7.52	4.61
May	...	11.57	9.57
June	...	5.23	8.21
	Total	27.65	32.13

These results show that there is now a deficiency of four and a half inches for the half-year.

Weather Office,

21st July, 1897.

J. F. BRENNAN.

The Library, U. S. Weather Bureau
Department of Agriculture
Washington.

No. 215.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JULY, 1897.

KINGSTON :—METEOROLOGICAL OBSERVATIONS.

Elevation above Sea-level 50 feet.

Day.	Bar. Pressure.* 7 a.m. I.	7 a.m. II.	3 p.m. I.	3 p.m. II.	Mean. II.	Temperature. 7 a.m.	3 p.m.	Max.	Min.	Range.	Dew Point and Humidity. 7 a.m.		3 p.m.		Wind. Direction (from) and miles per hour. 7 a.m.		3 p.m.		Mean for the day.		Total Miles of Wind.
	29 or 30 In.	29 or 30 In.	29 or 30 In.	26 or 30 In.	29 or 30 In.	°	°	°	°	°	°		°								
1	.944	.936	.926	.953	.945	77.7	84.1	90.0	73.0	17.0	69.4	76	73.5	71	N	1	S	2	S	2	60
2	.916	.908	.855	.882	.895	77.7	87.8	89.9	73.7	16.2	70.1	78	72.9	62	N	1	SSE	13	SSE	4	101
3	.958	.950	.913	.940	.945	81.4	89.4	90.1	77.1	13.0	70.1	69	74.9	65	Z	0	SE	8	SSE	6	137
4	.971	.963	.898	.926	.944	77.7	87.2	89.9	75.3	14.6	68.9	77	73.4	64	N	1	SE	9	SSE	4	97
5	.956	.948	.915	.942	.945	77.9	87.6	88.5	74.2	14.3	68.9	74	73.8	64	Z	0	SE	4	SE	4	87
6	.938	.930	.883	.910	.920	78.7	87.6	88.5	71.3	17.2	65.4	75	71.8	60	N	1	SSE	11	SSE	4	96
7	.995	.985	.975	.002	.994	78.1	86.3	89.3	73.5	15.8	71.0	79	70.6	60	Z	0	SE	6	SE	5	110
8	.997	.989	.938	.965	.977	81.2	87.2	89.0	73.3	15.7	67.6	64	72.6	62	Z	0	SSE	12	SSE	6	148
9	.960	.952	.933	.960	.956	79.1	86.2	88.5	72.2	16.3	64.9	62	72.0	65	N	1	SE	4	SE	4	87
10	.973	.965	.949	.975	.970	76.2	86.9	87.8	71.2	16.6	71.2	85	71.4	80	N	2	SE	3	SE	2	58
11	.976	.968	.941	.968	.968	76.7	83.7	85.4	73.1	12.3	69.6	79	70.8	65	N	2	SE	9	SE	4	87
12	.982	.974	.917	.944	.959	76.5	88.5	89.8	72.2	17.6	73.6	91	67.0	49	Z	0	SE	9	SE	5	138
13	.999	.991	.933	.960	.976	77.7	87.8	89.9	75.4	14.5	68.3	74	73.8	63	N	1	SE	8	SE	5	123
14	.011	.003	.948	.975	.989	77.8	86.6	88.4	74.8	13.6	69.0	74	73.3	65	N	2	S	7	SE	4	96
15	.998	.990	.961	.988	.989	76.3	80.3	89.1	74.8	14.3	70.8	83	76.8	89	N	1	N	1	S	1	22
16	.939	.931	.924	.951	.941	76.8	82.4	84.0	74.4	9.6	72.6	90	72.0	71	N	2	SE	5	SE	2	40
17	.943	.935	.899	.926	.931	77.7	84.5	88.7	71.3	17.4	68.3	73	74.3	72	N	1	SSE	11	SSE	4	94
18	.982	.974	.931	.958	.966	76.5	84.2	89.6	74.3	15.3	70.0	76	72.8	69	N	2	SE	10	SSE	5	112
19	.996	.988	.928	.958	.973	77.7	86.3	88.8	73.4	15.4	66.9	69	73.9	67	N	1	SE	6	SE	4	88
20	.984	.976	.900	.927	.951	74.1	87.3	87.5	72.7	14.8	70.6	89	71.2	69	Z	0	SSE	8	SE	4	89
21	.943	.935	.863	.890	.913	77.8	88.1	89.8	72.9	16.9	66.8	69	72.0	59	N	1	SSE	12	SSE	4	105
22	.942	.934	.956	.968	.949	78.1	78.2	89.0	72.9	16.1	66.3	67	75.5	91	N	1	N	4	SE	3	64
23	.963	.955	.890	.917	.936	76.2	91.2	92.4	70.8	21.6	67.0	73	71.6	53	N	2	NW	3	NW	4	86
24	.956	.948	.937	.964	.956	80.2	86.9	89.3	75.4	13.9	72.6	78	70.7	59	Z	0	SE	6	SSE	4	87
25	.978	.970	.917	.944	.957	75.4	87.7	89.9	72.8	17.1	70.1	84	70.0	56	N	2	SE	11	SSE	5	118
26	.950	.942	.916	.943	.943	76.4	85.4	89.4	72.3	15.1	69.4	79	73.5	68	N	2	S	4	SE	3	81
27	.941	.933	.876	.903	.918	77.8	87.5	89.7	74.2	15.5	70.9	79	74.2	65	N	1	SE	9	SSE	6	139
28	.941	.933	.890	.917	.925	79.7	88.4	90.8	75.9	14.4	71.5	77	74.2	65	SE	3	SE	12	SSE	6	135
29	.965	.947	.917	.944	.946	77.4	84.4	88.8	71.9	16.9	67.9	73	72.6	68	Z	0	S	3	S	2	58
30	.941	.933	.921	.948	.941	79.3	86.2	92.4	73.3	19.1	67.3	67	71.3	61	N	1	SE	9	SE	4	97
31	.977	.969	.923	.950	.960	78.1	87.3	88.4	73.9	14.5	74.2	88	69.7	56	Z	0	SE				
Means.	29.965	29.957	29.918	29.945	29.951	77.5	86.2	89.1	73.5	15.6	69.4	77	72.5	65	N	1.0	SE	7.3	SSE	4.0	94.6

* Explanation. Bar. I.=Barometer reduced to Standards of Kew (for instrumental error), of Temp. 32°, and of Mean sea level, and of Gravity at Latitude 45°

Bar. II.=Barometer further reduced to Diurnal Mean (Corr. being for this month—at 7 a.m. —.008 and at 3 p.m. +.027

LIBRARY OCT 7 1897 WEATHER BUREAU

KINGSTON:—METEOROLOGICAL OBSERVATIONS.

Day.	Clouds (in tenths of the sky). 7 a.m. Lower.	7 a.m. Middle.	7 a.m. Upper.	3 p.m. Lower.	3 p.m. Middle.	3 p.m. Upper.	Rain-fall.	Weather: Remarks, &c.
							Ins.	
1	...	...	...	8 Str. c. E	...	1 Cir & Cir. s.	0.04	Fine but hazy a.m. Cloudy p.m. Thunder to N at 1.40 p.m. and at 2.57 p.m. Rain at 5.40 to 5.55 p.m.
2	...	...	...	4 Str. C. SE	1 Cum. SE	...	0.00	Fine but hazy a.m., Fair p.m.
3	...	1 Cum.	4 Cir. & Cir. s	...	1 Cum. SE	8 Cir. & Cir. s.	0.00	Fair a.m. Cloudy p.m.
4	2 Str. 3 Alt. Str. 3 Str. c.	...	2 Cir & Cir s	2 Str. 2 Str. C. SE	1 Cum. SE	4 Cir. & Cir. s.	0.00	Cloudy. Thunder to E at 5.30 p.m.
5	1 Str.	...	8 Cir.	1 Str. C.	1 Cum.	7 Cir & Cir.s	0.00	Cloudy
6	...	...	8 Cir. & Cir. s.	...	2 Cum. SE	6 Cir & Cir. s.	0.00	Cloudy.
7	...	...	9 Cir & Cir s	2 Str. C. SE	1 Cum. SE	7 Cir & Cir s	0.0	Cloudy. Squall from SE at 4.27 p.m.
8	...	1 Cum.	2 Cir. & Cir. s.	...	1 Cum. SE	2 Cir. & Cir. s. SE	0.00	Fair.
9	...	...	6 Cir. & Cir. s.	2. Str. 6 Str. C.	...	2 Cir & Cir. s.	0.36	Cloudy. Rain from 3.55 to 5.4 p.m.
10	...	1 Cum.	3 Cir.	...	2 Cum.	2 Cir & Cir s	0.00	Fair.
11	1 Str. 3 Str. c.	2 Cum.	3 Cir. & Cir. s.	2 Str. C. SE	2 Cum. SE	5 Cir & Cir s. SE	0.12	Cloudy. Rain from 9.47 to 10.12 a.m. Thunder to NE at 6.23 a.m. Thunder & lightning to SW at 8.23 p.m.
12	2 Str. 4 Alt. Str.	1 Cum. SE	2 Cir. & Cir. s.	...	1 Cum. SE	7 Cir & Cir. s. SE	0.00	Cloudy.
13	3 Str.	1 Cum.	6 Cir. & Cir. s.	...	2 Cum. SE	2 Cir & Cir s 2 Cir. Cum.	0.00	Cloudy.
14	2 Alt. Str.	...	8 Cir & Cir s	4 Str. C. SE	2 Cum. SE	5 Cir & Cir s	0.00	Cloudy.
15	2 Str.	2 Cum. E	6 Cir. & Cir s.	6 Str. C. SE 2 Str 2 Alt. Str.	...	...	0.44	Cloudy. Rain at 1.53 to 2.28 p.m. and from 3.7 to 3.46 p.m. Thunder to N at 2.17 p.m. Thunder and lightning at intervals during the afternoon.
16	5 Alt Str. 2 Str.	...	3 Cir, & Cir. s.	...	3 Cum. E	7 Cir. & Cir. s.	0.00	Cloudy.
17	...	1 Cum.	1 Cir.	...	2 Cum. SE	7 Cir. & Cir. s.	0.00	Fine a.m. Cloudy p.m.
18	...	2 Cum. E	6 Cir & Cir s	...	2 Cum. SE	6 Cir & Cir s	0.00	Cloudy.
19	...	...	1 Cir.	1 Alt. Str. 4 Str. C.	...	4 Cir & Cir. s.	0.18	Fine a.m. Cloudy p.m. Rain from 5.15 to 5.52 p.m.
20	1 Str.	1 Cum.	6 Cir & Cir. s.	1 Str. C. SE	1 Cum. SE	1 Cir. & Cir. s. SE	0.00	Cloudy a.m. Fair p.m.
21	...	...	...	3 Str. C. SE	1 Cum. SE	4 Cir. & Cir. s. SE	0.00	Fine a.m. Cloudy p.m. Thunder to N at 3.16 p.m.
22	...	1 Cum.	...	4 Alt. S. 3 Str. C.	...	2 Cir. s.	0.19	Fine a.m. Rainy p.m. Rain at 2.57 to 3.25 p.m., and from 3 37 to 3.50 p.m,
23	...	...	1 Cir.	...	2 Cum. SE	2 Cir.	0.00	Fine but hazy a.m. Fair p.m.
24	...	1 Cum.	1 Cir. s	4 Str. C. SE 1 Alt. S.	1 Cum. SE	4 Cir. s. SE	0.14	Fine a.m. Cloudy p.m. Rain at 10.26 to 10.34 a.m. Thunder N at 3.12 p.m. Squall with rain 3.47 to 4.10 p.m. Thunder and lightning at intervals.
25	1 Str.	1 Cum.	4 Cir. s.	...	2 Cum. SE	3 Cir. s.	0.00	Cloudy a.m. Fair p.m.
26	...	...	1 Cir. s.	3 Str. C. 2 Alt. C.	1 Cum.	3 Cir. s.	0.03	Fine a.m. Cloudy p.m. Thunder to N, at 1.15 p.m. Rain from 12.58 to 1.40 p.m.
27	...	...	...	...	2 Cum. SE	3 Cir. SE	0.00	Fine but hazy a.m. Fair p.m
28	...	1 Cum. SE	1 Cir. s.	...	1 Cum. SE	...	0.00	Fine. Squall from SE at 6.45 a.m.
29	...	...	...	1 Alt. S. 5 Str. C. SE	1 Cum. SE	3 Cir. s. SE	0.00	Fine but hazy a.m. Cloudy .p.m
30	...	...	...	5 Str. C.	2 Cum. SE	3 Cir. s. SE	0.16	Fine but hazy a.m. Cloudy p.m. Rain at 8.34 to 9.47 p.m. Thunder SE at 9.21 p.m. with *lightning*.
31	...	1 Cum.	6 Cir.	...	1 Cum. SE	1 Cir. SE	0.08	Cloudy a. m. Fine p.m. Rain during early morning. Rain at 10.52 to 11.5 a.m.
Means	1.1	0.6	3.2	2.6	1.3	3.5		No. of rainy days, 10.
Total.	...	...	...	...	...	...	1.74	

JAMAICA METEOROLOGICAL RESULTS.

Station.	Elevation.	Bar. Pressure. 7 a.m.	Bar. Pressure. 3 p.m.	Temperature. 7 a.m.	Temperature. 3 p.m.	Temperature. Max.	Temperature. Min.	Temperature. Range.	Extreme Temperature. Max.	Date.	Min.	Date.	Range.
	ft.	In.	In.	°	°	°	°	°	°		°		°
Morant Point L. H.	8	29.955	29.923	...	...	...	...	...	...	...	...	...	...
Negril Point L. H.	33	29.959	29.927	78.9	83.4	87.2	72.6	14.6	90	11	70	9, 29	20
Kingston ...	50	29.965	29.918	77.5	86.2	89.1	73.5	15.6	92	23, 30	71	23	21
King's House ...	400	...	...	73.7	86.8	91.2	66.8	24.4	96	4	63	6	33
Castleton Gardens...	580	...	...	73.0	83.1	86.6	67.8	18.8	91	13	60	20	31
Hope Gardens ...	600	...	...	73.7	84.3	89.3	69.6	19.7	95	23	67	17	28
Stony Hill Refty. ...	1,400	...	...	73.3	80.1	85.9	65.9	20.0	90	1	65	26	25
Hill Gardens ...	4,907	25.248	25.192	63.0	67.4	71.5	59.3	12.2	75	1	56	17	19

The bar. pressures at all the Stations except the Hill Gardens are reduced to the standards of Kew, 32°, gravity at Lat. 45°., and mean sea-level. The pressure at the Hill Gardens is reduced to the first three standards only. The Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

Station.	Elevation.	Dewpoint and Humidity. 7 a.m. °	7 a.m.	3 p.m. °	3 p.m.	Rain-fall.	Wind per diem.	Wind: direction (from) and miles per hour. 7 a.m.		3 p.m.		Amount of Cloud. Lower, Middle, and Upper 7 a.m. L.	M.	U.	3 p.m. L.	M.	U.
	ft.					In.	Miles.										
Morant Point L. H.	8	...	...	...	...	3.07	...	N E	5.0	NE	7.0	2.6	2.5	1.2	2.8	1.8	1.4
Negril Point L. H.	33	72.7	82	74.7	75	9.00	217.2	N E	6.5	E	10.4	0.2	0.8	5.4	4.2	3.9	6.8
Kingston ...	50	69.4	77	72.5	65	1.74	94.6	N	1.0	SE	7.3	1.1	0.6	3.2	2.6	1.3	3.6
King's House ...	400	70.7	96	77.9	74	2.80	...	...	..	...	...	...	...	...	...	...	...
Castleton Gardens...	580	69.6	85	75.8	77	5.95	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens ...	600	68.3	79	72.5	66	2.89	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Refty. ...	1,400	69.8	89	74.2	82	4.11	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens ...	4,907	57.8	88	62.1	84	2.02	17.9	...	...	...	...	...	...	...	...	...	...

The miles of wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the lower clouds are for the most part fracto-stratus; the middle clouds, cumulus; and the upper clouds, cirrus, or cirro-stratus

The Health of Kingston.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

		July. 1897.	July. Average.
Infantile diseases not otherwise specified	...	22	18
Lung diseases	...	18	18
Fever and Malaria	...	14	11
Dysentery and Diarrhœa	...	16	7
Various	...	59	57
Total	...	129	111

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

Day.	Hour.	Temperature. Max.	Min.	Temp.	Rain.	Remarks.	Observer's Initial
1897.		°	°	°	in.		
January 31st ...	10.30 a.m.	70.9	38.8	61	4.30	Fine.	D. W.
February 27th ...	3.30 p.m.	70.9	40.8	51	0.90	Fine, clear, high wind from N.E.	W. H.
March 31st ...	2.30 p.m.	67.9	39.8	61	3.10	Fine, but cloudy.	W. H.
April 30th ...	10 a.m.	70.9	42.8	60	10.08	Misty.	D. W.
May 31st ...	12.30 p.m.	66.9	42.8	64	11.10	Cloudy.	D. W.
June 30th ...	10.00 a.m.	70.9	44.8	65	6.03	Cloudy.	D. W.
July 31st ...	9.15 a.m.	69.9	41.8	54	5.15	Light rain.	D. W.

Rainfall for July, 1897.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to the Tables published in January, 1892, as No. 124 (A) of the preceding series of Reports, Vol. II. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the Comparative Table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island: embracing the four divisions.

North-Eastern Division.	July. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Hordley	7.97	1.75	26	10	7.83
Manchioneal P.W.D.	6.09	1.07	31	23	...
Bath P. W. D.	8.92	1.38	10	21	...
Moore Town P. W. D.	19.55	3.00	30	14	...
Mt. Ephraim	...	...	...	...	...
Port Antonio P. W. D.	12.57	1.58	10	23	9.68
Fellowship P. W. D.	16.38	2.75	11	23	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Burlington	...	...	...	...	...
Shrewsbury P. W. D.	8.08	1.61	31	19	...
Cedar Valley P. W. D.	8.56	1.67	24	14	...
Green Vale	...	...	...	...	...
Cinchona Plantation	2.02	...	...	...	...
Resource	.14	...	...	...	...
Buff Bay P. W. D.	7.81	1.33	15	14	...
Cold Spring	2.74	1.60	6	7	...
Hardware Gap P.W.D.	5.17	...	...	11	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	5.35	2.01	15	9	...
Stony Hill Rfty.	4.11	1.77	23	8	5.48
Castleton Gardens	5 95	1.50	7	21	6.38

North-Eastern Division, *contd.*	July. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Lawrence's Tavern P. W. D.	7.44	1.45	22	10	...
Albany P. W. D.	2.54	.76	31	8	...
Quebec	...	...	...	...	...
Richmond P. W. D.	5.81	1.05	14	18	...
Highgate P. W. D.	3.68	1.05	15	15	...
Gayle	7.10	2.00	7	4	2.20
Gayle P. W. D.	5.23	1.42	7	11	...
Rio Hoe	7.12	2.40	27	11	5.43
Unity Valley	6.02	1.45	11	19	6.07
Moneague P.W.D.	4.37	1.42	28	13	4.87
Claremont	...	...	...	...	...
Albion	3.28	...	...	14	...
Averham Park	2.06	.40	17	13	4.12
Ballintoy P.W.D.	3.09	.91	11	9	...
Means	6 36	...	...	...	5.79
Northern Division					
Port Maria P.W.D.	7.37	1.45	30	12	2.58
Drax Hall	4.41	1.65	11	6	2.61
St. Ann's Bay P.W.D.	5.60	1.37	3, 11	15	3.33
Seville	3.65	1.95	4	4	2.17
Richmond Estate	...	...	...	...	1.81
Llandovery	3.55	1.25	11	4	1.63
Brown's Town P.W.D.	3.34	.58	20	11	3.41
Home Castle	3.80	1.05	5	9	2.03
Richmond Pen	4.05	1.05	11	9	2.48
Mahogany Hall	4.07	1.13	24	9	4.41
Brampton Bl[illegible]	3.72	.85	11	9	2.68
Bryan Castle	4.[illegible]	[illegible]	15	9	1.95
Braco	3.23	1.05	15	4	2.15
Arcadia	3.[illegible]	1.18	11	7	2.13
Arcadia Green House	[illegible]	1.30	15	5	...
Harmony Hall	[illegible]	...	...	...	1.85
Lancaster	[illegible]	1.05	15	7	2.23
Vale Royal	[illegible]	2.50	11	9	3.08

Northern Division, *contd.*	July. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Clochis Pen	3.70	.86	24	10	3.07
Hyde	5.68	1.07	11	11	5.27
Georgia	4.24	1.78	11	7	2.55
Long Pond	5.55	1.20	18	13	...
Steelfield	6.01	1.92	18	11	2.93
Oxford	5.65	2.05	18	7	2.42
Cambridge	7.00	2.00	18	9	3.28
Dry Valley	...	...	...	...	...
Lottery	5.10	1.70	18	9	2.34
Hampstead	5.88	2.00	28	6	...
Falmouth	3.45	..	...	...	1.75
Falmouth P.W.D.	2.28	1.37	11	5	...
Fontabelle	8.55	2.40	28	17	...
Martha Brae	...	...	...	...	...
Holland Pen	2.90	.90	14	5	1.75
Pembroke	...	...	...	...	3.10
Golden Grove	3.55	...	...	...	3.46
Green Park	4.16	.85	11	13	2.06
Tilston	3.55	...	...	...	3.32
Weston Favell	7.92	1.73	17	12	4.94
Orange Valley	2.71	...	...	...	1.75
Kent	2.35	.80	11	7	1.58
Dundee	3.34	...	...	...	2.73
Phœnix	5.32	2.00	17	14	5.34
Gale's Valley	5.30	...	...	...	4.20
Greenwood	1.23	.72	18	7	1.38
Canaan	3.80	1.00	17	6	...
Lima	3.51	1.15	17	7	...
Content	...	...	...	...	2.20
Bellfield	4.62	1.06	11	12	...
Guilsbro'	6.79	...	...	...	4.36
Tryall	...	...	...	...	...
Leogan	...	...	...	...	3.02
Success	1.78	.60	17	6	1.51
Cinnamon Hill	1.29	.50	17	6	0.34
Rose Hall	1.07	.34	17	7	0.84
Running Gut	...	...	...	...	1.02
Spring	2.20	...	...	...	...
Ironshore	1.70	...	...	...	2.02
Friendship	...	...	...	...	...
Providence	...	...	...	...	1.38
Montego Bay P.W D.	3.94	.76	12	8	3.79
Catherine Hall	...	...	...	...	3.96
Catherine Mount	...	...	...	...	4.17
Fairfield	...	...	...	...	3.97
Anchovy	...	...	...	...	5.57
Round Hill	...	...	...	...	3.94
Tryall	...	...	...	...	4.68
Sandy Bay P.W.D.	6.60	1.30	20	14	...
Lucea P W.D.	8.51	1.52	11	22	...
Orange Cove	...	...	...	...	5.45
Prospect Estate	14.24	3.00	20	25	...
Central Sub-Division—					
Headworks R.C.C.	4 [illegible]	2.47	19	10	4.37
Linstead P.W.D.	[illegible]98	1.14	2	9	5.80
Wakefield	...	...	...	...	...
Point Hill P.W.D.	[illegible].84	1.37	11	14	...
Harker's Hall P.W.D	[illegible]	1.61	21	21	...

Northern Division, *contd.*	July. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .01 or more fell.	Average.
	In.	in.			in.
Chapelton P.W.D.	2.77	1.24	15	11	4.08
Danks Savoy	2.92	1.04	15	7	...
Mears P.W.D.	6.74	1.41	11	18	...
Cave Valley	3.53	.92	11	13	5.01
Means	4.04	...	...	...	2 89
West Central Division.					
Mocho P.W.D.	3.84	1.38	12	13	...
Baillieston	3.95	1.45	11	9	...
Farm Plantation	8.52	3.90	11	13	5.56
Brockenhurst Pln.	...	...	...	...	7.68
Christiana P.W.D.	3.04	.97	11	8	...
Kendal P.W.D.	4.12	1.23	11	11	...
Mandeville P.W.D.	5.12	1.52	11	14	6.08
Marshalls Pen	...	...	...	...	5.45
Ulster Spring P.W.D.	4.44	1.00	6	9	...
Troy	6.54	1.75	16	9	...
Windsor Pen	7.27	1.63	9	15	7.73
Balaclava P.W.D.	9.15	1.64	16	10	...
Elim	6.11	2.15	15	5	...
Appleton	...	...	...	...	6.72
Maggotty P.W.D.	9.20	1.80	9	19	...
Spring Vale	14.78	3.20	4	21	7.86
Maroon Town	...	...	...	...	11.49
Kempshot	5.26	1.16	16	10	6.62
Kepp	9.48	2.91	9	20	8.39
Kew Park	...	...	..	...	10.58
Hazelymph	11.16	3.10	24	19	11.11
King Gate*	4.78	1.10	20	9	...
Windsor Forest	...	...	...	...	9.46
Chester Castle	...	...	...	...	9.38
Darliston P.W.D.	14.09	2.24	20	20	...
Whithorn, P.W.D.	10.42	1.67	2	19	...
New Galloway	7.80	1.40	28	14	...
Lethe Bridge	7.97	2.50	4	15	...
Copse	8.05	1.65	16	13	6.86
Cacoon Castle	8.60	2.35	16	13	7.81
Golden Grove	...	...	...	...	8.84
Great Valley	15.53	3.26	16	18	10.96
Brownsville	22.34	4.34	16	21	...
George's Plain Estate	...	...	...	...	...
Fontabelle	...	...	...	...	8.55
Morgan's Bridge PWD.	11.17	1.79	16	20	...
King's Valley	9.65	1.80	16	17	12.69
Abingdon	...	...	...	...	10.61
Means ...	9.40	...	...	...	8.33
Southern Division.					
Morant Point L.H. P. W.D.	3.07	.91	16	19	2.88
Morant Bay P.W.D.	5.97	1.04	7	20	...
Lyssons	...	...	...	...	...
Easington P.W.D.	5.92	.94	31	17	...
Abbey	...	...	...	...	6.45
Halberstadt	6.18	...	...	...	3.98

* Hitherto shown as [illegible]ey.

Southern. Division, *contd.*	July. 1897. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which .1 or more fell.	Average.
	In.	in.			in.
Bull Bay P.W.D.	2.87	1.18	24	4	...
Gordon Town	1.79	...	...	6	...
Hope Gardens	2.89	.60	19	12	3.22
Hope Reservoir	...	...	...	...	3.22
Cherry Garden	4.66	1.51	22	15	3.85
King's House	2.80	...	...	...	2.91
Cavaliers	...	...	...	...	...
Shortwood	4.30	.85	22	11	...
Monaltrie	1.93	.57	20	10	2.43
Halfway-Tree P.W.D.	.89	.49	19	14	...
Camperdown	...	...	...	...	...
Public Works Office Kn	1.74	.44	15	10	2.09
Plumb Point L. H.	2.61	1.15	16	7	2.27
Ferry P. W. D.	2.06	1.50	30	4	...
Caymanas	...	...	...	...	2.63
Spanish Town P. W. D.	1.73	.90	29	6	3.00
Windsor Park	1.04	.56	29	3	3.36
Hog Hole Pen P.W.D.	.84	.35	11	5	3.31
Old Harbour P W.D.	2.99	1.67	11	7	3.38
Somerset Hall	5.47	1.15	22	9	
May Pen P.W.D.	3.38	1.71	11	10	
Amity Hall	3.75	1.25	4	7	...
Hermitage	4.99	2.15	11	7	...
Denbigh	4.40	2.50	11	5	2.77
Yarmouth P.W.D.	4.70	4.25	11	3	...
Victoria Town P.W.D.	5.65	3.45	11	10	...
Stone's Hope	6.96	3.91	11	12	4.83
Newport P.W.D.	5.68	2.07	25	7	...
Alligator Pond P.W.D.	4.07	1.25	25	8	
Potsdam	5.87	1.87	15	9	3.36
Long Hill	1.57	.58	11	7	3.82
Pepper	3.26	1.15	15	6	2.57
Torrington P.W.D.	3.75	1.26	15	10	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D.	5.21	1.54	15	9	4.59
Holland	7.30	1.63	30	13	...
Black River P.W.D.	4.26	.73	25	13	4.90
Spring Hill	...	...	...	...	...
Whitehall	...	...	...	...	...
Font Hill	...	...	...	...	...
Grand Vale	9.33	2.33	26	18	...
Peter's Ville	6.20	.98	9	20	6.19
Mount Edgecombe	6.61	1.37	27	16	6.39
Sweet River	4.80	.65	24	12	...
Cornwall	4.33	.49	9	15	7.09
Windsor, Sav.-la-Mar	2.82	.60	10	11	...
Sav.-la-Mar P.W.D.	...	...	...	...	...
Blackheath	9.85	1.53	10	11	...
Retreat	9.00	1.95	24	14	...
Negril Pt. Lighthouse	6.84	1.67	2	14	...
Means. ...	3.67	...	...	...	3.78

Comparative Table of Rainfall.
(*Based upon the "Average" Stations only.*)

	July. 1897. In.	Average. In.
North Eastern Division	6.36	5.79
Northern "	4.04	2.89
West Central "	9.40	8.33
Southern "	3.67	3.78
Means	5.87	5.20

The greatest monthly fall, viz., 22.34 ins. was recorded at Brownsville in the West central division, and the least fall, viz. 0.14 in. was recorded at Resource in the North eastern division. The greatest fall in 24 hours was 4.34 ins. at Brownsville on the 16th, and Yarmouth P.W.D. coming next with a fall of 4.25 ins. on the 11th. The greatest number of days on which rain fell at any one place was 25, at Prospect Estate, Hanover. Ten stations had in 24 hours falls of between 3 and 5 inches.

The mean approximate rainfall as arrived at on the 6th August was 6.01 ins. This result was obtained from 43 stations with "averages." The results now published in the Comparative Table shows 5.87 ins. as compared with an average fall of 5.20 ins.

The Rainfall for July was thus about two-thirds of an inch, or 13 per cent. above the average.

The following will give the percentage relation between the means and the averages for each Division:—
North Eastern division—10 per cent, above the average
Northern " 40 " " " "
West Central " 13 " " " "
Southern " 3 " below " "

A large number of Stations (34) reported having the heaviest fall on the 11th

The following notes have come to hand :—

N. E. Division.

Gayle.—The last two weeks dry with heavy squalls.

Rio Hoe Pen.—Good showers for the month of July.

Moneague.—The weather during the whole month has been exceedingly hot and oppressive and much thunder and vivid lightning at night. Much more rain has fallen in the neighbourhood of Moneague than at this station.

N. Division.

St. Ann's Bay.—Very warm and oppressive, thunderstorms on the 4th, 6th, 11th, 24th and 30th. Mean 7 a.m. temp. in the shade 79°, and at 3 p.m. 85°. Mean 7 a.m. Barometer 29.955, and at 3 p.m. 29.922. cor. to 32°, sea-level, and latitute 45°.

Seville.—Severe thunderstorm on the 6th. Lightning struck 8 cocoanut trees along the sea coast.

Hampstead.—On the 16th July a severe thunderstorm accompanied by sharp lightning. Buildings rocked as from an earthquake, chimney of boiling house struck, and part of corrugated iron roof burnt off. Lightning rod on same bent, There was a flare until the corrugated iron was burnt off. Strange to say no injury to rafters. A carpenter who was working about 10 feet of accident had a narrow escape.

Green Park.—Heavy thunderstorm on 11th and again on the 15th at night. Nice growing rains, but pond rains badly needed.

W. C. Division.

Black River.—Very hot month. Thermometer 95° in the shade, at P.W.D., several times.

Mandeville.—Fall unusually heavy for July.

Brownsville.—In July of 1896 4.88 ins. fell. The fall on the 28th was 3.80 ins. and on the 20th and 21st 2.11 ins. on each day. The rivers have been frequently "down," and some of the roads have had many landslips, the prospect is brighter in regard to the yam crop than in the early part of the year.

Great Valley, Hanover.—49.56 ins. rain for the 3 months, May, June and July. Suffered severely from plague of caterpillars; most damage was done between

the 21st June and 5th July, during which time it rained every day. The rainfall has been badly distributed.

Copse.—Severe thunderstorm during the month. Several cocoanut trees killed by lightning. High wind with rain on the 18th laying flat the forward canes.

Hazelymph.—Severe thunderstorm on the 16th.

Morgan's Bridge.—A good deal of thunderstorms, which located themselves chiefly in the Morgan's Bridge district. During one of the storms a man was killed on the spot while sheltering under a bamboo tree on Moorelands, the property of Mr. Whitelock. On the 30th there was also a storm in Sav.-la-Mar, a cocoanut tree was struck. The range of the rain clouds during the month was chiefly along the hills from Whithorn, via Morgans's Bridge and Glasgow towards Green Island.

S. Division.

Cherry Garden.—The fall on the 22 (1.51 in.) took place in about four hours.

Windsor Park, St. Catherine.—Rain clouds heavy above the hills to the North, but discharged before they can reach the plains, or are dissipated by the strong winds which have blown unceasingly, and which dry up all vegetation.

Denbigh.—After the May rains we had five weeks of excessive heat, without any rain, which came to an end on the 11th, on which day we had a lovely rain of 2½ ins., which was followed up by a few light showers.

Stones Hope.—Thunderstorm, Sunday 11th. House struck by lightning at Newport, 3 miles to the north, inmate injured. Thunderstorm on Saturday, 31st—man killed by lightning at Cross Keys, 2½ miles to the South.

Petersville.—On the 26th we had 2.33 ins. rain in a quarter of an hour, accompanied with strong wind, which took off large branches of trees.

Below will be found a statement of the Rainfall recorded during the year, compared with the average fall for the months in question:

		1897.	Average.
		ins.	ins.
January	...	0.82	4.09
February	...	0.69	2.64
March	...	1.82	3.01
April	...	7.52	4.61
May	...	11.57	9.57
June	...	5.23	8.21
July	...	5.87	5.20
	Total	33.52	37.33

These results show that there is now a deficiency of 3.81 inches or about 10 per cent. below the average

J. F. Brennan.

Weather Office, 20th August, 1897.

The Jamaica Weather Service.

Notice for the Hurricane Season of 1897.

(1.) During the hurricane months of August, September and October, the weather will be considered disturbed when the barometer is falling and when it has fallen between one and two tenths of an inch below its mean value for the time of day and year, all due corrections having been applied.

(2.) Should the weather during these months be disturbed at any time, a circular telegram will be despatched as soon as possible, and copies of this telegram will be posted at all the telegraph stations in the Island.

(3.) Each circular telegram will give the hou for despatch, the reading of the barometer, corrected and reduced, the temperature of the air, the direction and force of the wind, the weather and any remarks which may be necessary. The forms used in posting copies of the telegram are printed on red paper.

(4.) After the first circular telegram has been despatched, a second circular telegram will be sent either to convey special warning, or to relieve unnecessary alarm, as soon as the position and motion of the centre of the disturbance can be approximately ascertained.

(5.) The first circular telegram is intended to call public attention to the disturbed state of the weather as soon as possible; the second circular telegram is intended to give definite information and warning when necessary. But due care should always be taken after the issue of the first telegram; for the telegraph wires may be broken before the second can be despatched, or two cyclones, or the curvature of a single cyclone on its course, may confuse the indications.

(6.) In order to render the Weather Service effective in warning the shipping in the different ports of the Island, copies of the telegrams referred to above will be given to the Harbour Masters at Milk River, Black River, Sav.-la-Mar, Lucea, Montego Bay, Falmouth, St. Ann's Bay, Port Maria, Port Antonio and Morant Bay, who, upon the receipt of the first telegram, will keep themselves in readiness to warn the shipping in harbour should the second telegram render such warning necessary.

(7.) Warnings will be given by means of flags and lamps; the flags are six feet square, having red borders enclosing black centres, two feet square; the lamps for use at night emit a strong red light.

(8.) The Hurricane signals will be hoisted only under the following circumstances:—when specially ordered by warning telegrams, or when the telegraph wires are broken and a storm is clearly approaching.

(9.) The usual special arrangements will be made with the Harbour Master for Kingston for warning the shipping in this port. As heretofore, notices will be posted during the day, when necessary, at the Colonial Secretary's Office, the Merchants Exchange in Duke Street, and Mr. McDonald's Store in Harbour Street; and if necessary, hurricane flags will be hoisted at the two former places.

(10.) Arrangements have been made with the Jamaica Post Office, so that when, under special circumstances, due notice can be given to the Postmaster for Jamaica, the wires may be kept open between 5 p.m. and 7 a.m., and also on Sundays.

(11.) Since the establishment of the service in 1880, thirty cyclonic disturbances have passed within barometric range of Jamaica, and information respecting them has been telegraphed round the Island without causing unnecessary alarm in a single case, for on three occasions only, namely, before the hurricane of August 18th, 1880, and August 20th, 1886, and before the conflicting cyclones of September 15th, 1889, have orders been given to hoist the hurricane signals.

We may therefore expect that two or three disturbances will, on an average, be telegraphed around the Island each hurricane season.

Maxwell Hall, Govt. Meteorologist.

Montego Bay, July 19th, 1897.