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JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JANUARY, 1895.

KINGSTON:—METEOROLOGICAL RESULTS.
Elevation above Sea-level 50 feet.

Jan. 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.				Total miles of wind.		
	7 a.m.	8 p.m.	7 a.m.	8 p.m.	Max.	Min.	Range.	7 a.m.	8 p.m.	7 a.m.	8 p.m.	Direction from, and miles per hour.						
												7 a.m.	8 p.m.	Means for the day.				
	In.	In.	°	°	°	°	°	°	°									
1	30.064	30.009	68.4	80.4	84.5	67.7	16.8	64.5	68.6	87	67	N	4	SE	4	Var.	4	101
2	.048	29.990	67.7	82.4	84.8	66.0	18.8	65.0	68.0	91	62	N	2	SW	4	Var.	3	75
3	.066	30.019	67.4	82.2	86.8	67.2	19.6	63.8	70.6	88	68	N	2	NE	4	Var.	3	81
4	.085	29.985	65.0	83.9	85.7	65.0	20.7	62.5	65.0	92	59	Z	0	SW	5	SW	3	66
5	.046	.983	64.8	84.3	85.7	64.7	21.0	60.5	67.1	86	67	Z	0	SW	4	SW	3	81
6	.068	.996	64.1	83.5	85.0	63.6	21.4	58.7	65.5	83	61	N	1	SE	6	Var.	3	66
7	.067	.994	67.4	83.5	87.5	65.6	21.9	61.1	69.2	80	62	N	3	SSE	7	SSE	4	91
8	.029	.948	67.6	84.2	86.2	65.4	20.8	63.7	68.0	87	68	N	2	SW	4	SW	3	56
9	29.972	.898	65.4	81.7	86.2	65.1	21.1	62.1	68.3	89	64	Z	0	S	5	S	3	74
10	30.006	.953	64.3	81.4	84.5	64.3	20.2	59.5	69.6	86	68	Z	0	SE	6	SE	4	86
11	.029	.994	67.5	82.6	84.5	67.5	17.0	61.5	68.4	81	62	Z	2	SE	4	SE	4	89
12	.086	.982	67.6	81.9	85.3	66.0	19.3	57.9	70.1	71	65	N	4	SE	4	SSE	5	110
13	.011	.969	68.6	82.2	84.8	66.3	18.5	62.0	65.3	80	58	N	4	S	5	S	4	91
14	.040	30.027	68.6	81.4	85.3	66.6	19.7	62.1	71.8	86	73	N	2	SE	4	SE	3	77
15	.061	.021	68.4	85.7	87.3	65.4	18.9	63.9	70.4	86	60	Z	0	SE	5	SE	3	79
16	.077	.013	69.9	88.1	87.1	67.9	19.2	62.9	70.7	80	66	NE	4	SE	9	SE	4	94
17	.088	.040	67.9	80.7	85.9	65.2	19.7	61.3	69.1	80	63	N	3	SE	6	SE	4	90
18	.088	.027	65.5	84.1	86.9	65.3	21.6	60.0	69.0	82	61	Z	2	S	4	Var.	4	67
19	.083	.015	65.4	84.8	86.9	65.5	21.4	63.2	63.1	89	57	Z	0	S	4	Var.	4	63
20	.057	29.974	67.5	84.4	87.9	66.3	21.6	64.1	66.1	89	54	Z	0	SW	4	SW	3	65
21	.038	.994	64.9	82.6	83.0	64.8	22.2	70.6	72.9	83	62	Z	0	SE	7	S	3	65
22	.029	.987	69.2	81.9	83.9	68.2	15.7	61.6	70.2	77	63	Z	3	SSW	5	S	4	87
23	29.995	.985	69.3	81.4	85.0	68.9	16.8	65.5	69.6	88	68	N	3	SSE	7	SSE	5	96
24	30.021	.921	66.5	82.7	85.5	68.0	19.5	62.8	71.9	88	70	N	3	SE	11	SE	5	118
25	.022	.945	68.9	83.7	84.8	68.3	16.5	62.7	69.9	81	63	N	2	SE	10	SE	6	156
26	.003	.996	78.2	84.6	86.8	74.1	12.2	70.9	72.7	78	63	SE	8	SE	14	SE	8	201
27	.061	.971	71.7	85.1	87.7	67.3	20.4	65.9	64.3	82	50	Z	0	SE	11	SE	4	93
28	.049	.949	67.1	83.8	86.5	66.0	20.5	60.8	66.3	80	56	Z	0	SE	14	SE	6	145
29	.007	.928	68.4	83.8	87.0	67.0	20.0	58.5	69.0	71	61	Z	0	SE	11	SE	5	119
30	29.978	.927	66.9	84.9	88.5	66.4	22.1	62.2	70.7	66	62	N	3	SE	9	SE	6	188
31	30.082	.971	70.6	86.4	88.8	70.5	18.1	65.1	68.5	83	56	Z	0	SE	10	SE	6	156
Means.	30.041	29.979	67.7	83.2	86.2	66.7	19.5	62.8	69.1	84	63	N	1.8	SE	6.8	S.E	4.1	97.4

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March 28, 2002

KINGSTON;—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Jan. 1896.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	3 Cum.	Ins.	Fine.
2	6 Str. c.	0.00	Fine a.m. Cloudy p.m.
3	1 Cum.	8 Str. c.	0.00	Fine a.m. Fair p.m.
4	3 Cum.	0.00	Fine.
5	1 Cum.	0.00	Fine.
6	6 Cum.	0.00	Fine a.m. Rain to N.E. about 4 p.m.
7	3 Str. c. & Cum. Nim.	0.00	Fine a.m. Fair p.m.
8	4 Cum.	0.05	Fine a.m. Rain at about 4 p.m.
9	4 Str. c.	0.00	Fine a.m. Fair p.m.
10	8 Str. & Str. c.	0.00	Fine a.m. Fair p.m.
11	1 Cum.	0.00	Fine.
12	2 Cum. s.	0.00	Fine.
13	10 Str. c.	0.00	Fine a.m. Cloudy p.m.
14	1 Cum.	0.00	Fine.
15	3 Cum. & Str. c.	0.00	Fine a.m. Fair p.m.
16	3 Cir.	...	...	1 Cum.	0.00	Fine.
17	3 Cum.	0.00	Fine.
18	8 Cum. & Str. c.	0.00	Fine a.m. Cloudy p.m.
19	4 Cum. s.	0.00	Fine.
20	2 Cum.	1 Cum.	0.00	Fine.
21	6 Cum.	0.00	Fair a.m. Fine p.m.
22	7 Str. c.	2 Str. c. & Cum. s.	0.00	Fine.
23	...	1 Cir. c.	2 Cum.	4 Cum.	0.00	Cloudy a.m. Fine p.m.
24	3 Cum.	0.00	Fine a.m. Cloudy p.m.
25	1 Cum.	0.00	Fine.
26	0.00	Fine.
27	...	8 Cir. & Cir. s.	10 Str.	...	0.00	Fair. S.E. wind all previous night.
28	0.00	Cloudy a.m. Fair p.m.
29	10 Str. & Cum. Str.	0.00	Fine.
30	1 Cum.	4 Cum. & Cum. s.	0.00	Fine a.m. Cloudy p.m.
31	1 Cum.	0.00	Fine.
Means.	1 o/o	3 o/o	3 o/o	42 o/o		Fine.
Total					0.05	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.						EXTREMES FOR THE MONTH.						Total Rainfall.		
		Temperature.				Dewpoint.		Humidity.		Temperature.						
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.		Date.	Range.
King's House	400	85.7	85.9	88.9	61.2	27.7	...	...	...	...	93	31	58	6*	25	0.00
Castleton Gardens	580	82.9	75.4	80.9	61.5	13.5	60.6	68.7	83	78	86	26	57	29	39	3.13
Hope Gardens	600	87.5	82.0	85.9	61.0	24.9	62.6	68.9	84	67	90	27†	57	15	53	1.70
Stony Hill Reformatory	1,400	64.9	76.7	80.7	62.4	18.3	62.0	66.5	90	71	85	26‡	60	10§	26	1.70
Cinchona Plantation	4,907	58.8	61.1	65.0	51.9	13.1	48.8	55.6	83	83	69	26	48	10	21	3.79

* also 9 & 29.

† and 28.

‡ also 27 & 31.

§ also 11.

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.	
	1895.	Average.
Infantile diseases not otherwise specified	16	21
Lung diseases	18	19
Fever and Malaria	10	10
Dysentery and Diarrhoea	5	9
Various*	61	58
Total	110	117

* Of the Various 2 were due to Diphtheria and 1 to Influenza.

CINCHONA PLANTATION.

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

Barometric pressure	7 a.m.	25.834
	3 p.m.	25.320
Temperature—		
6 feet underground	7 a.m.	60.6
" " "	3 p.m.	60.6
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		37.4

The maximum and minimum temperatures for the month at Newhaven Gap were respectively 60.6 and 57.4 and the rainfall was 5.10 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE		Temp.	Rain.	Remarks.	Observer's Initial
		Max.	Min.				
1895.		°	°	°	in.		
January 31st	1.20 p.m.	65.9	34.8	50	4.20	Misty—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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR JANUARY, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	JANUARY.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which 0.1 or more fall.	
in.	Amount.	Date.	in.		in.
Hordley	2.27	.72	24	9	6.69
Manchioneal	3.00	1.00	4	9	...
Bath P. W. D.	5.16	1.05	3	15	...
Boston	3.69	...	...	...	9.45
Port Antonio P. W. D.	4.13	1.12	25	13	10.02
Fellowship P. W. D.	7.00	2.10	25	17	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Cedar Valley P. W. D.	1.65	.90	10	11	...
Cinchona Plantation	3.79	1.75	10	17	8.32
Buff Bay P. W. D.	3.76	1.62	1	15	...

NORTH-EASTERN DIVISION, contd	JANUARY.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which 0.1 or more fall.	
in.	Amount.	Date.	in.		in.
Gold Spring	.40	.28	9	2	...
Hardware Gap	.72	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	1.29	.66	7	3	...
Stony Hill Refty	1.70	1.70	14	1	4.31
Belle Vue	...	...	...	...	...
Castleton Gardens	3.18	.80	1	15	8.86
Lawrence's Tavern P. W. D.	.23	.13	23	2	...
Albany, P.W.D.	.76	...	...	7	...
Quebec	.83	.40	29	3	8.17
Richmond P. W. D.	1.47	...	...	7	...
Highgate P. W. D.	1.15	...	...	7	...
Gayle	1.20	...	...	4	8.21
Gayle P. W. D.	1.22	.35	20	8	...
Bio Hoe	.73	...	...	...	6.05
Unity Valley	...	...	...	...	5.28
Monogue P. W. D.	.95	...	...	6	...
Claremont	.85	.43	13	3	...
Albion	1.46	...	...	...	5.35
Averham Park	...	...	...	...	5.64
Ballintoy	...	...	...	...	...
Means	2.30	...	...	...	7.49

NORTHERN DIVISION	JANUARY					NORTHERN DIVISION contd.	JANUARY						
	Total	1896.					Average.	Total	1895.				Average.
		Fall	Greatest fall in 24 hours.		Days on which .01 or more fell.				Fall	Greatest fall in 24 hours.		Days on which .01 or more fell.	
			Amount.	Date.						Amount.	Date.		
In.	In.			in.	in.			in.					
Port Maria P. W. D.	2.08	.54	5	8	7.50	Kew	...	...	...	...	2.32
Drax Hall	1.08	.66	6	8	7.08	Lucea P. W. D.	.88	...	...	3	...
St. Ann's Bay P.W.D.	1.19	...	...	6	...	Thornhill, Lucea	...	...	...	...	...
Seville	...	...	...	...	6.01	Houghton Court	...	...	...	...	2.94
Richmond Estate	...	...	...	...	6.88	Orange Cove	.71	...	...	3	3.08
Llandovery	1.55	...	...	...	3.19	CENTRAL SUB-DI- VISION—					
Southfield	...	...	...	...	...	Headworks, R. C. C.	.60	...	...	1	2.57
Brown's Town P.W.D.	1.95	...	...	5	...	Linstead P. W. D.	.00	.00	...	...	2.63
Home Castle	1.38	.66	1	4	5.41	Point Hill, P.W.D.	1.11	.53	13	3	...		
Richmond Pen	2.25	1.25	9	4	4.49	Harker's Hall P.W.D.	.08	.08	21	1	...		
Mahogany Hall	2.36	1.38	1	5	4.30	Chapelton P. W. D.	1.00	.75	18	2	2.55		
Braco	.80	.38	1	3	4.37	Danks-Savoy	...	...	...	...	...
Arcadia	2.04	.73	1	6	4.93	Cave Valley	3.80	1.42	12	6	2.46		
Arcadia Great House	1.13	1.50	1	6	...	Means	1.43	...	...	...	3.92
Harmony Hall	...	...	...	...	3.98	WEST CENTRAL DIVISION.					
Lancaster	.80	.38	1	3	4.73	Farm Plantation	.42	.32	26	2	2.68		
Vale Royal	1.50	.80	1	4	5.09	Brokenhurst Planta- tion	...	...	...	...	5.33
Colchis Pen	1.73	1.11	9	3	2.91	Christiana P. W. D.	1.68	.55	11	11	...		
Hyde	1.87	1.15	1	5	5.12	Kendal P. W. D.	1.04	.41	12	6	...		
Georgia	1.44	1.20	1	2	4.05	Mandeville P. W. D.	1.20	.29	30	8	3.37		
Steelfield	1.86	.75	1	5	4.85	Marshalls Pen	...	...	...	...	3.01
Oxford	.90	.60	12	2	4.11	Ulster Spring P.W.D.	...	...	...	...	...
Cambridge	1.10	.80	12	3	5.29	Troy	1.99	...	...	3	...
Dry Valley	...	...	...	...	...	Windsor Pen	.08	.08	14	1	3.95
Lottery	.55	.35	19	2	4.08	Balaclava P. W. D.	1.08	.43	10	5	...		
Falmouth	1.00	...	...	...	3.46	Elim	.78	...	...	...	...
Falmouth P. W. D.	.89	.50	1	4	...	Appleton	2.30	.62	8	8	2.21		
Fontabelle	.25	...	...	...	...	Magotty P.W.D.	1.68	.50	28	5	...
Holland Pen	.31	.31	17	1	2.98	Spring Vale	.92	...	...	...	4.68
Pembroke	...	...	...	...	3.96	Maroon Town	...	...	...	...	3.78
Golden Grove	.55	...	...	...	2.89	Kempshot	2.54	1.58	8	7	3.91
Green Park	.43	.27	18	4	4.19	Kepp	1.88	1.07	7	6	3.36		
Tilston	1.00	...	...	...	3.45	Kew Park	2.50	1.60	20	3	2.05
Weston Favel	1.67	.46	12	8	3.24	Mount Carey	.46	.36	9	2	...		
Orange Valley	.57	...	...	...	3.64	Windsor Forest	...	...	...	...	3.88
Kent	.75	...	...	...	4.35	Chester Castle	...	...	...	...	1.72
Dundee	1.28	...	...	...	4.07	Darliston P. W. D.	1.48	.38	23	7	...
Phoenix	...	...	...	...	3.62	Whithorn, P. W. D.	2.41	1.43	22	3	...
Gale's Valley	1.00	...	...	...	3.26	New Galloway	1.90	1.20	22	2	...
Greenwood	.95	...	...	...	3.27	Lethe Bridge	...	...	...	...	...
Canaan	.54	...	...	...	...	Copse	...	...	...	...	2.92
Content	...	...	...	...	...	Cacon Castle	.77	.77	12	1	4.44
Bellfield	...	...	...	...	...	Golden Grove	...	...	...	...	3.08
Guitabro'	1.60	...	...	...	2.84	Great Valley	2.50	...	3	...	...
Tryall	...	...	...	...	...	Brownsville	1.74	...	...	...	...
Leogan	...	...	...	...	6.60	George's Plain Estate	.21	.21	...	1	...
Cinnamon Hill	2.67	...	...	...	3.04	Fontabelle	.34	.17	12	5	2.14
Rose Hall	1.80	...	...	...	3.40	Morgans Bridge PWD	1.39	1.30	12	3	...
Running Gut	2.84	...	...	...	3.23	King's Valley	.50	...	...	...	2.46
Spring	3.50	...	...	...	...	Abingdon	.75	.50	25	2	1.63
Ironshore	3.30	...	...	...	2.77	Means	1.21	...	...	...	2.98
Friendship	...	...	...	...	...			
Providence	4.43	...	...	...	3.15						
Montego Bay P. W. D.	.70	.40	9	3	...								
Catherine Hall	.90	...	...	...	3.71						
Catherine Mount	...	...	...	...	4.40						
Fairfield	...	...	...	...	3.88						
Anchovy	...	...	...	...	2.32						
Eden	...	...	...	...	3.07						
Wiltshire	...	...	...	...	3.08						
Round Hill	.75	...	...	...	1.95						
Flint River	1.61	.80	12	5	...								
Tryall	...	...	...	...	1.92						
Sandy Bay P. W. D.	1.13	...	...	...	...				

SOUTHERN DIVISION.	JANUARY.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which .01 or more fell.	
		Amount.	Date.		
	in.	in.		in.	
Morant Point L. H.	3.04	1.14	23 12	4.10	
Morant Bay, P. W. D.	.70	.19	31 8	...	
Lyssons	...	...	...	...
Easington P. W. D.	.77	.52	9 4	...	
Abbey	.95	.30	9 6	3.85	
Bull Bay P. W. D.	.00	.00	...	...
Gordon Town	.72	.36	24 4	...	
Hope Gardens	1.70	1.27	9 3	2.27	
Hope Reservoir	...	...	...	...
Cherry Gardens	...	...	...	...
King's House	.00	.00	...	1.54	
Cavaliers	...	...	...	...
Shortwood	.43	.36	8 3	...	
Constant Spring	...	...	...	...
Monaltrie	.88	.44	7 5	1.64	
Halfway-Tree P.W.D.	.66	.62	6 2	...	
Camperdown	.00	.00	...	...
Public Works Office	.05	.65	8 1	1.45	
Plumb Point L. H.	.13	.13	6 1	1.03	
Port Royal	...	...	...	...
Ferry P. W. D.	.16	.16	13 1	...	
Spanish Town P.W.D.	.38	.15	13 4	1.80	
Windsor Park	...	...	...	1.50
Hog Hole Pen P.W.D.	.25	.15	13 2	2.62	
Old Harbour P.W.D.	1.09	.56	13 2	2.62	
Somerset Hall	.97	.62	13 3	...	
May Pen P. W. D.	.05	.05	...	...
Hermitage	.82	...	...	...
Denbigh	...	...	...	1.51
Yarmouth P.W.D.	.00	.00	...	...
Victoria Town	.30	.30	25 1	...	
Stone's Hope	.17	.10	28 3	3.49	
Newport P. W. D.	.71	.71	25 1	...	
Alligator Pond P W D	.12	.12	25 1	...	
Potsdam	...	...	...	2.53
Long Hill	...	...	...	2.25
Pepper	1.60	1.60	...	1.75	
Torrington P. W. D.	.50	.50	8 1	...	
Bethlehem	.21	.07	24 5	...	
Santa Cruz P.W.D	1.77	.58	11 7	...	
Black River P. W. D.	.55	.30	9 2	...	
Font Hill	...	...	...	...
Grand Vale	...	...	...	...
Peter's Ville	.57	.40	7 2	...	
Mount Edgecombe	.82	.62	7 5	1.89	
Sweet River	1.70	1.25	22 2	2.09	
Windsor	.65	.50	7 3	1.97	
Sav.-la-Mar P. W. D.	.43	.19	22 3	...	
Retreat	...	...	...	...
Negril Pt. Lighthouse	.00	.00	...	...
Means	.89	...	...	2.20

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	JANUARY.	
	1895.	Average.
North Eastern Division	2.30	7.49
Northern "	1.43	3.92
West Central "	1.21	2.93
Southern "	0.89	2.20
Means	1.46	4.14

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.

Jan.	Highest 6 a.m. to 6 p.m.	Lowest 6 a.m. to 6 p.m.	Mean Sea-level 6 a.m. to 6 p.m.	Range 6 a.m. to 6 p.m.	Notes.	Phase of Moon, &c
Day.	In.	In.	In.	In.		
2	20	16	18.1	4	c	Decl. 0°
3	19	19	19.0	0	d	
4	18	18	18.0	0	d	First Q.
5	19	18	18.5	1	a	
6	20	19	19.5	1	b	
7	22	19	20.5	3	b	
8	20	16	18.5	4	a	
9	22	15	19.6	7	a	Decl. 28° N.
10	23	14	20.2	9	b	
11	23	13	19.6	10	b	Full. Per.
12	22	13	18.9	9	a	
13	20	15	17.6	5	a	
14	20	15	17.6	5	a	Decl. 0°
15	17	14	15.8	3	c	Last Q.
16	16	13	15.3	3	b	
17	17	15	16.1	2	d	
18	18	14	16.8	4	c	
19	18	14	16.8	4	b	
20	19	16	17.7	3	b	
21	19	16	17.7	3	b	Decl. 29° S.
22	18	15	16.7	3	b	
23	19	14	17.7	5	b	
24	21	15	18.9	6	b	New.
25	21	16	18.6	4	b	Apogee.
26	20	16	18.4	4	b	
27	17	13	15.5	4	b	
28	20	16	18.4	4	b	
29	18	16	17.2	2	d	Decl. 0°
30	18	16	17.2	2	d	
31	19	18	18.4	1	d	
Means	19.5	15.5	18.0	4.0		

a Tides clearly marked. b Tides not clearly marked.
c One tide in the 24 hours d Water nearly steady.

The greatest fall viz., 7.00 inches was recorded at Fellowship P.W.D., and no rain was recorded at Linstead, Bull Bay, King's House, Camperdown, Yarmouth and Negril Pt. Light House.

The rainfall in January was deficient. In the North-Eastern and Northern Divisions it was about one third, and in the West Central Division about one half the average, while in the Southern Division it was between these proportions, giving a mean for the Island of thirty-five per cent. only of the average.

The following notes have come to hand:—

Rio Hoe.—Strong breeze, very little rain.

Gayle.—Weather cloudy and damp, a few cold nights, sea breeze last day or two.

Windsor Pen.—The driest January during last eleven years since record has been kept here. In 1888 rainfall for January was 0.18.

Abingdon (Francis Dod).—A very dry month, grass and water drying up. Thermometer in the morning ranging 70 to 75.

Fontabelle, Westmoreland. - (Hugh A. Vickers).—Fine dry weather, prevailing wind from N. E. with S. wind generally after noon.

Farm Plantation.—Strong East winds, good seasonable.

Camperdown (J. T. Wigham).—This is the first month since I began to send in returns in which there has been no measurable rainfall.

Stone's Hope (Richd. W. Miles).—Strong S. E. winds from the 29th

Pepper, (Easton W. Muirhead).—The month has been very dry with high winds parching up everything. On 29th blowing drizzle.

The Abbey, (T. F. Manners).—Wind very high from 24th to 31st January. Half of month thermometer between 55 and 53 at 6 a.m.

Petersville (Thos. S. McNeel).—Had strong high winds all the month.

NOTE.—It will be seen that in this month there is a new form of Rainfall Return. In previous Weather Reports only the total and average falls have been given; in this and in future Reports there will also be found the greatest fall in 24 hours with the date of such fall and the number of rainy days in the month, i.e. days on which .01 or more fell. This form will entail some additional trouble on nearly all concerned, but will, I am sure, prove more valuable and interesting than the former one. Owing to printing exigencies the name of the parish in which each station is situated has had to be omitted.

Blank addressed forms containing the new heading were duly sent by me to rainfall observers, together with a circular letter expressive of the hope that they would use the new form which has been generally done for the month of January, but it is hoped that in future the additional information in question will be given in respect of every station.

ROBT. JOHNSTONE,

Kingston, 25th February, 1895.



No. 181.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF
FEBRUARY, 1895.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Feb. 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
	In.	In.	°	°	°	°	°	°	°	°	°							
1	30.038	29.984	70.4	83.8	88.5	69.7	18.8	63.7	70.7	80	65	N	3	SE	11	SE	6	148
2	.020	30.026	75.4	79.9	88.5	70.3	18.2	63.5	71.5	67	76	SE	5	SE	8	SE	6	142
3	.046	.975	68.4	83.6	87.6	65.2	22.4	58.6	66.3	71	56	SE	3	SE	10	SE	4	101
4	.046	.959	67.2	84.6	85.3	66.1	19.2	60.5	68.6	79	59	N	3	S	6	SSE	3	75
5	29.983	.989	65.2	82.7	86.1	64.2	21.9	59.6	69.3	82	64	N	2	SE	8	SE	4	98
6	.985	.918	68.1	82.9	84.7	64.1	20.6	60.4	69.0	77	63	N	3	SE	6	SE	4	90
7	.915	.909	65.2	82.4	84.7	61.9	19.8	59.3	67.7	81	61	N	1	SE	8	SE	3	85
8	30.018	30.003	65.4	82.8	84.8	65.4	19.4	60.9	70.1	85	66	Z	0	SE	6	Var.	3	81
9	.048	.076	70.9	83.5	86.1	65.2	20.9	63.0	68.3	76	60	N	7	N	5	NW	6	136
10	.137	.052	68.6	85.2	85.2	65.2	20.0	64.7	69.1	87	59	N	3	SE	7	Var.	4	109
11	.077	29.993	67.9	83.1	84.9	67.0	17.9	61.1	67.9	79	60	N	4	S	6	Var.	4	104
12	.035	.982	64.9	80.4	82.7	65.6	17.1	58.5	69.7	80	70	N	1	SE	7	SE	3	77
13	.008	.960	67.7	78.8	84.1	66.7	17.4	64.3	71.2	90	73	Z	0	SW	7	SE	5	80
14	.049	30.024	65.9	82.6	84.1	65.6	18.5	59.6	71.3	80	69	Z	0	SE	10	SE	6	115
15	.100	.052	73.9	82.9	85.0	70.1	17.1	64.6	68.4	83	63	Z	0	SE	9	SE	4	144
16	.107	.085	69.9	82.4	85.0	67.9	16.8	60.7	72.3	71	71	Z	4	SE	8	SE	4	168
17	.068	.015	70.4	82.5	84.7	65.9	18.4	57.9	71.0	74	73	Z	0	SE	12	SE	5	110
18	.049	29.994	65.4	80.4	84.3	66.4	18.1	59.3	69.8	75	65	Z	0	SE	13	SE	6	141
19	.009	.952	67.4	82.7	84.5	64.7	21.4	62.4	71.7	84	68	N	2	SE	6	SE	5	102
20	.027	.995	67.4	83.4	86.1	64.7	18.6	60.3	69.3	78	60	N	7	SW	3	NNW	5	123
21	.074	30.002	72.6	84.4	85.2	71.6	13.6	65.3	71.8	83	68	N	2	SE	6	SE	5	117
22	.058	29.978	67.6	83.7	85.9	67.4	18.5	61.0	67.6	88	58	Z	0	SE	9	SE	5	116
23	.034	.978	69.8	84.2	86.7	67.8	18.9	63.8	71.3	81	65	Z	0	SE	11	SE	5	91
24	.047	30.032	72.6	79.4	85.9	68.9	17.0	67.0	67.6	83	67	N	5	N	1	Var.	4	77
25	.050	.013	69.4	83.2	84.9	68.3	16.6	69.0	68.2	99	61	N	3	N	3	Var.	3	46
26	.059	.008	70.4	81.2	85.3	70.0	15.3	64.6	71.8	94	73	Z	0	SW	6	Var.	2	84
27	.041	29.997	70.4	81.4	83.0	69.1	13.9	66.9	69.8	99	68	Z	0	S	5	S	3	80
28	29.994	.926	65.4	82.4	83.8	65.2	18.6	60.3	67.4	84	61	N	3	S	4	Var.	3	
Means.	30.041	29.909	68.7	82.5	85.3	67.0	18.3	62.6	69.6	81	65	N	2.2	SE	7.3	S.E	4.2	104.2

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Feb. 1895.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky).		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	...	...	8 Cum.	Ins.	Fine.
2	...	...	...	...	0.00	Fair a.m. Cloudy p.m. Strong wind all previous night.
3	...	...	...	10 Cum.	0.00	Fine a.m. Cloudy p.m.
4	...	...	...	8 Cum.	0.00	Fine.
5	...	...	...	4 Cum. & Str.	0.00	Fine.
6	...	...	...	6 Cum. & Str. c.	0.00	Fine.
7	...	...	...	1 Cum.	0.00	Fine.
8	10 Cir.	4 Cir. & Cir. s.	...	6 Str. c.	0.00	Cloudy.
9	...	...	10 Str. & Cum. Nim.	8 Cum.	0.00	Cloudy a.m. Fair p.m. "Norther."
10	3 Cir. s.	5 Cir.	...	3 Cum.	0.00	Fine.
11	...	6 Cir. s.	...	1 Cum.	0.00	Fine.
12	3 Cir.	9 Cir. & Cir. s.	...	1 Cum.	0.00	Fine a.m. Cloudy p.m.
13	...	...	6 Cum. s.	10 Str. & Cum. s.	0.00	Cloudy.
14	...	...	...	1 Cum.	0.00	Fine.
15	...	...	...	1 Cum.	0.00	Fine.
16	...	...	10 Cum.	6 Cum. & Str.	0.00	Fair.
17	5 Cir. & Cir. s.	2 Cir.	...	4 Cum.	0.00	Fine.
18	...	...	...	9 Str. & Cum. s.	0.00	Fine a.m. Cloudy p.m.
19	...	...	...	...	0.00	Fine.
20	...	...	...	12 Str. & 8 Cum. s. & 1 Cum.	0.00	Fine a.m. Cloudy p.m.
21	...	...	10 Str. Cum.	10 Str. c.	0.00	Cloudy.
22	...	...	...	1 Cum.	0.00	Fine.
23	...	1 Cir. s.	8 Cum.	3 Cum.	0.00	Fine.
24	...	...	10 Str.	10 Str. & Cum. Nim.	1.61	Cloudy. Rain 2.20 p.m. & between 6 & 7.20 p.m.
25	...	2 Cir.	10 Cum. s.	8 Str. Cum. s. & Cum.	0.30	Cloudy. Rain at about 1 a.m. and at 2 p.m.
26	...	...	2 Cum. s.	10 Nim. & Str.	0.29	Fair a.m. Cloudy p.m. Rain about 5.30 a.m. and at 3 p.m.
27	...	...	8 Cum. s. & Cum.	10 Str. & Cum. s.	0.00	Cloudy.
28	3 Cir. & Cir. s.	...	...	4 Cum. & Str.	0.00	Fine a.m. Fair p.m.
Means.	9 o/o	10 o/o	25 o/o	49 o/o		Fine, with rain last week of month.
Total					2.20	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.						EXTREMES FOR THE MONTH.						Total Rainfall.		
		Temperature.					Dewpoint.		Humidity.		Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.		Date.	Range.
King's House	400	66.3	84.5	87.8	60.2	27.6	82.8	74.8	90	71	92	1	58	14*	84	1.25
Castleton Gardens	580	62.3	77.2	81.5	61.7	19.8	60.4	69.0	93	76	84	263	56	19	88	17.52
Hope Gardens	600	67.8	80.3	85.5	60.9	24.6	63.9	69.0	87	69	92	22†	59	11	83	1.08
Stony Hill Reformatory	1,400	64.8	75.8	79.8	62.3	17.1	62.6	69.0	96	79	86	2	60	12	86	2.98
Ginchona Plantation	4,907	64.8	60.7	64.5	51.5	13.0	50.1	57.3	85	86	68	1&15	49	7†	19	10.09

* also 16 & 18.

† and 23.

‡ also 14, 15, 17 & 19.

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.	
	1895.	Average.
Infantile diseases not otherwise specified ...	18	24
Lung diseases ...	15	14
Fever and Malaria ...	5	8
Dysentery and Diarrhoea ...	4	12
Various* ...	36	53
Total	78	111

* Of the Various 1 was due to Diphtheria and 1 to Influenza.

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.	25.328
Temperature—		
6 feet underground	7 a.m.	60.0
" "	3 p.m.	60.0
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		18.9

The maximum and minimum temperatures for the month at Newhaven Gap were respectively ... and ... and the rainfall was 20.15 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE		Temp.	Rain.	Remarks.	Observer's initials
		Max.	Min.				
1895.		°	°	°	in.		
January 31st	... 1.20 p.m.	65.9	31.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th	... 1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR FEBRUARY, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Hordley	5.63	2.50	24	12	2.42
Manchioneal	5.36	2.50	25	10	...
Bath P. W. D.	7.18	1.85	24	12	...
Boston	4.79	2.09	21	5	4.76
Port Antonio P. W. D.	8.49	3.65	24	13	5.34
Fellowship P. W. D.	19.40	8.04	24	15	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Cedar Valley P. W. D.	3.28	1.95	24	10	...
Cinchona Plantation	10.09	4.25	25	12	3.22
Buff Bay P. W. D.	25.17	8.70	24	11	...

NORTH-EASTERN DIVISION, contd.	FEBRUARY.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Cold Spring	6.08	1.85	26	7	...
Hardware Gap	7.50	...	...	...	...
Rose Hill	9.12	...	...	...	...
Annotto Bay P. W. D.	19.10	8.80	24	3	...
Stony Hill Refty	2.98	.85	24	5	2.16
Belle Vue	...	...	...	...	...
Castleton Gardens	17.52	7.45	24	11	4.04
Lawrence's Tavern P. W. D.	4.43	1.60	25	5	...
Albany, P.W.D.	17.50	9.20	24	10	...
Quebec	15.87	4.53	23	7	4.56
Richmond P. W. D.	11.89	4.40	24	6	...
Highgate P. W. D.	13.03	6.50	24	6	...
Gayle	10.20	...	...	...	5.43
Gayle P. W. D.	8.02	4.00	24	7	...
Rio Hoe	6.50	3.20	24	7	3.64
Unity Valley	7.24	2.45	23	11	3.01
Moneague P. W. D.	7.90	3.00	24	9	...
Claremont	8.83	3.15	23	9	...
Albion	7.27	2.70	23	9	3.26
Averham Park	...	...	...	...	3.54
Ballintoy	8.22	6.50	23	3	...
Means	8.78	...	...	...	3.80

NORTHERN DIVISION	FEBRUARY					NORTHERN DIVISION contd.	FEBRUARY				
	1895.						1895.				
	Total Fall	Greatest fall in 24 hours.		Days on which .01 or more fell.	Average.		Total Fall	Greatest fall in 24 hours.		Days on which .01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
In.	In.	Date.		in.	in.	Date.					
Port Maria P. W. D.	20.17	4.85	23	11	3.95	Kew	...	...	...	...	2.80
Drax Hall	9.99	4.05	24	7	3.81	Lucea P. W. D.	2.80	1.89	16	7	...
St. Ann's Bay P.W.D	11.11	4.85	24	8	...	Thornhill, Lucea	...	...	...	...	...
Seville	...	...	...	...	3.83	Haughton Court	...	...	...	...	2.15
Richmond Estate	14.40	5.60	25	5	3.50	Orange Cove	...	...	...	...	2.25
Llandovery	11.52	4.58	24	9	3.12						
Southfield	...	...	...	...	...	CENTRAL SUB-DI- VISION—					
Brown's Town P.W.D.	12.91	...	...	9	...	Headworks, R. C. C	.64	...	...	3	1.42
Home Castle	10.11	6.25	8	8	3.34	Linstead P. W. D.	2.72	1.12	25	6	2.26
Richmond Pen	4.95	.95	26	...	1.76	Point Hill, P.W.D.	1.45	.50	23	4	...
Mahogany Hall	9.19	5.40	8	8	2.57	Harker's Hall P.W.D.	4.42	1.96	24	8	...
Braco	3.80	1.30	24	8	2.21	Chapelton P. W. D.	3.32	1.50	23	5	2.14
Arcadia	5.09	1.93	8	8	2.41	Danks-Savoy	...	...	...	...	...
Arcadia Great House	4.42	1.42	8	9	...	Cave Valley	3.42	1.75	23	4	2.33
Harmony Hall	...	...	...	...	2.28						
Lancaster	4.48	.85	21	8	2.51	Means	5.78	...	...	...	2.24
Vale Royal	5.15	1.80	8	8	2.76						
Colchis Pen	7.44	4.10	8	8	1.12	WEST CENTRAL DIVISION.					
Hyde	6.22	3.58	8	8	2.38	Farm Plantation	1.98	.70	24	4	2.31
Georgia	3.28	1.15	21	4	2.50	Brokenhurst Planta- tion	...	...	...	...	2.65
Steelfield	3.88	1.05	8	7	2.31	Christiana P. W. D.	2.62	1.32	23	6	...
Oxford	6.55	4.00	23	8	2.10	Kendal P. W. D.	3.20	2.58	23	5	...
Cambridge	6.55	3.60	23	7	2.43	Mandeville P. W. D.	2.64	1.59	23	7	2.47
Dry Valley	...	...	...	...	...	Marshalls Pen	...	...	...	...	...
Lottery	4.15	2.10	23	6	2.10	Ulster Spring P.W.D.	3.13	.95	9	9	...
Falmouth	6.60	3.00	23	9	1.41	Windsor Pen	4.95	...	...	8	...
Falmouth P. W. D.	5.05	3.00	23	7	...	Balaclava P. W. D.	7.67	3.10	8	9	1.79
Fontabelle	7.10	...	...	...	...	Elim	1.86	.96	25	4	...
Holland Pen	5.98	4.01	23	10	2.31	Appleton	3.01	1.52	23	4	...
Pembroke	...	...	...	...	1.51	Magotty P.W.D.	1.80	.60	24	5	...
Golden Grove	5.40	...	...	...	1.82	Spring Vale	3.65	...	...	...	2.44
Green Park	4.96	1.75	23	11	1.75	Maroon Town	...	...	...	...	2.05
Tilston	5.20	...	...	...	1.63	Kempshot	6.43	1.80	8 ^o	12	2.70
Weston Favell	5.29	2.20	22	8	2.72	Kepp	2.16	.77	16	6	4.42
Orange Valley	4.34	...	...	...	2.04	Kew Park	3.49	1.10	9	8	2.70
Kent	4.90	...	...	...	2.46	Mount Carey	4.78	1.30	...	8	...
Dundee	4.25	1.07	23	10	2.03	Windsor Forest	...	...	...	...	4.32
Phoenix	4.62	...	...	...	2.32	Chester Castle	...	...	...	...	2.46
Gale's Valley	5.60	...	...	...	1.78	Darliston P. W. D.	3.24	1.10	8	8	...
Greenwood	4.63	...	...	...	1.98	Whithorn, P. W. D.	4.53	2.06	8	10	...
Canaan	2.94	1.08	22	4	...	New Galloway	3.73	2.04	8	7	...
Content	...	...	...	...	...	Lethe Bridge	...	...	...	...	...
Bellfield	4.74	...	...	...	...	Copse	...	...	...	...	2.01
Guilbro'	5.41	...	...	...	2.21	Cacoon Castle	4.21	1.53	8	8	1.92
Tryall	...	...	...	...	...	Golden Grove	...	...	...	...	2.86
Leogan	...	...	...	...	2.11	Great Valley	6.97	2.25	20	...	2.31
Cinnamon Hill	4.58	2.11	22	6	1.74	Brownsville	4.93	1.37	17	...	...
Rose Hall	5.00	2.15	22	5	2.04	George's Plain Estate	2.92	1.20	17	7	...
Running Gut	7.63	4.20	22	8	1.65	Fontabelle	2.78	1.50	17	6	2.79
Spring	6.05	...	...	...	...	Morgans Bridge P.W.D.	2.55	1.35	17	7	...
Ironshore	4.05	...	...	...	2.65	King's Valley	1.30	...	...	...	1.49
Friendship	...	...	...	...	...	Abingdon	1.75	.50	15	6	2.09
Providence	4.60	...	...	...	1.94	Means	3.74	...	...	...	2.45
Montego Bay P. W. D.	2.14	.50	...	8	...						
Catherine Hall	2.80	...	...	...	2.02						
Catherine Mount	...	...	...	...	1.66						
Fairfield	3.32	...	...	...	1.84						
Anchovy	...	...	...	...	.37						
Eden	...	...	...	...	1.73						
Wiltshire	...	...	...	...	2.10						
Round Hill	2.15	...	...	...	1.09						
Flint River	1.81	.63	2	3	...						
Tryall	...	...	...	...	1.06						
Sandy Bay P. W. D.	1.92	...	...	5	...						

* and 21.

SOUTHERN DIVISION.	FEBRUARY.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours		Days on which 0.1 or more fell.	
		Amount.	Date.		
Morant Point L. H.	3.98	1.65	25	14	2.26
Morant Bay, P. W. D.	1.84	1.28	25	6	...
Lyssons	...	...	...	...	...
Easington P. W. D.	.98	.75	24	3	...
Abbey	3.25	1.80	24	6	1.25
Bull Bay P. W. D.	1.30	.67	25	2	...
Gordon Town	2.18	.88	24	6	...
Hope Gardens	1.03	.38	24	4	1.13
Hope Reservoir	1.02	...	...	...	...
Cherry Garden	1.62	...	...	...	1.24
King's House	1.25	.75	24	2	1.29
Cavaliers	2.63	...	...	...	...
Shortwood	1.57	.87	25	8	...
Constant Spring	1.19	...	...	...	...
Monaltrie	2.62	1.64	25	5	.99
Halfway-Tree P.W.D.	.33	.18	25	2	...
Camperdown	1.26	...	...	...	...
Public Works Office Kn	2.10	1.61	24	3	.66
Plumb Point L. H.	1.74	.85	20	3	.76
Port Royal	...	...	...	...	...
Ferry P. W. D.	1.19	.56	24	4	...
Spanish Town P.W.D.	.48	.30	24	3	1.49
Windsor Park	...	...	...	...	1.03
Hog Hole Pen P.W.D.	1.44	1.18	24	2	1.78
Old Harbour P.W.D.	.58	.48	25	2	1.95
Somerset Hall	1.17	.87	26	5	...
May Pen P. W. D.	...	...	...	...	...
Hermitage	.79	...	...	...	...
Denbigh	...	...	...	...	...
Yarmouth P.W.D.	.26	.20	15	2	...
Victoria Town	1.45	1.25	26	2	...
Stone's Hope	2.74	2.12	23	7	2.33
Newport P. W. D.	4.15	2.05	23	6	...
Alligator Pond P.W.D.	.69	.57	25	2	...
Potsdam	2.03	.67	23	11	1.37
Long Hill	2.97	2.53	23	4	1.74
Pepper	.85	.85	24	1	1.82
Torrington P. W. D.	1.49	...	...	4	...
Bethlehem	1.03	.46	8	7	...
Santa Cruz P.W.D.	2.34	2.04	23	3	...
Black River P. W. D.	.70	.70	25	1	...
Font Hill	...	...	...	...	...
Grand Vale	...	...	...	...	...
Peter's Ville	1.64	.51	24	5	...
Mount Edgecombe	1.03	.41	18	6	2.47
Sweet River	3.96	1.12	8	7	2.56
Windsor	3.23	.76	16	9	2.50
Sav.-la-Mar P. W. D.	2.84	.68	8	10	...
Retreat	.55	...	...	...	...
Negril Pt. Lighthouse	.66	.35	18	4	...
Means	2.05	...	...	...	1.64

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	FEBRUARY.	
	1895. Average.	
	In.	In.
North Eastern Division	8.78	3.80
Northern "	5.78	2.24
West Central "	3.74	2.45
Southern "	2.05	1.64
Means	5.09	2.53

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.

FEB.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean		Phase of Moon, &c
			Sea-level 6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	
Day.	In.	In.	In.	In.	Notes.
1	18	18	18.0	0	d
2	21	19	20.5	2	d First Q. 3rd
4	21	18	19.8	3	b
6	23	18	20.9	5	c Decl. 29° N.
7	24	20	22.7	4	c [5th
8	22	17	20.0	5	b
9	22	16	19.6	6	a Full. Per.
11	20	16	18.4	4	a Decl. 0°
12	17	15	16.5	1	d
13	16	16	16.0	0	d
14	17	15	16.2	2	d
15	17	15	16.3	2	d
16	17	15	16.5	2	d Last Q.
18	19	16	17.8	3	c Decl. 29° S
19	20	17	18.6	3	c
20	20	16	18.2	4	c
22	21	15	19.0	6	b Apogee.
23	20	16	18.6	4	b
25	19	17	18.4	2	d New. 24th
26	18	15	17.2	3	b Decl. 0°
28	18	16	17.2	1	d
Means	19.5	16.5	18.4	3.0	

a Tides clearly marked. b Tides not clearly marked.
c One tide in the 24 hours d Water nearly steady.

The greatest monthly fall viz. 25.17 inches was recorded at Buff Bay P.W.D. and the smallest viz 0.26 inches was recorded at Yarmouth P.W.D. in the Vere District of Clarendon. The greatest fall in 24 hours was 9.20 in., and was recorded at Albany P.W.D. in St. Mary, on the 24th.

The fall in the North-Eastern and Northern Divisions was more than twice the average, and the fall in the West Central and Southern Divisions was something less than twice the average, with the result that for the whole Island the fall was exactly twice the average.

This result was largely due to general rains which set in on the 23rd and lasted four or five days in the North-Eastern Division and a shorter time in the other Divisions. It will be observed that with few exceptions the "greatest falls" occurred during this period viz., on the 23rd, 24th or 25th. The exceptions almost all give the 8th as the date of greatest fall and occur in the West-Central Division and at a few places in the Northern Division. (See Mr. Fisher's remarks.)

The following notes have come to hand:—

Quebec.—On the 23rd and 24th it rained very hard, but there was very little breeze.

Port Maria (Supt. Pub. Works).—On the 22nd 1.75 in. fell between 9 and 10 a.m.

Rio Hoe.—The first part of the month dry, a few small showers, until the 24th to 27th fine rains came.

Great Valley.—Up to the 20th rain fell here 2.99 inches and our ponds were getting very low, the very heavy rain on 20th filled most of them. The rainfall of 6.97 is very heavy for February, being our driest month.

Canaan, Cinnamon Hill, Rose Hall, Running Gut (J. Shore).—Nearly all the rain fell between 22nd and 26th Feby.

Mahogany Hall (Hon. J. W. Fisher).—The unusually heavy rainfall (for this period of the year) of the night of the 8th seems to have extended over a belt of country from Dry Harbour to the interior about two miles wide, in a North-easterly direction.*

Abingdon (Francis Dod).—Very cold month, with occasional strong winds and high seas.

Mount Edgecombe (Chas. B. Vickers).—Strong winds are parching up vegetation.

(Supdt. Pub. Works, St. James).—Four inches of rain fell at Dunn's Hole, 6 miles from Montego Bay, in one hour on the 22nd.

Mandeville (Supdt. Pub. Works).—The rain of 23rd broke up the dry spell we had suffered from previously.

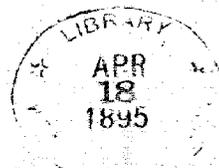
Shortwood (Miss A. C. Johnson).—Slight shock of earthquake at 5.20 p.m. Feb. 12th.

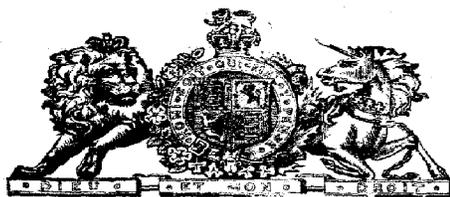
Albion.—Slight shock of earthquake at 5.24 p.m., 11th Feby.

ROBT. JOUNSTONE,

Kingston, 23rd March, 1895.

* This seems to have also extended over to places in the West Central Division v. a.





JAMAICA

WEATHER REPORT

FOR THE MONTH OF

MARCH, 1895.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Mar. 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
	In.	In.	°	°	°	°	°	°	°									
1	30.017	29.990	65.4	81.2	83.8	64.7	19.1	61.8	71.1	83	72	N	1	SE	9	Var.	8	76
2	30.042	30.059	71.9	82.0	83.8	70.4	13.4	65.8	71.7	81	71	SE	2	SE	12	SE	7	166
3	30.018	.076	67.1	81.4	83.8	66.8	17.0	62.9	69.6	87	68	N	0	SE	10	SE	6	147
4	30.078	.032	63.9	79.4	84.2	64.0	20.2	61.2	70.3	91	74	Z	2	SE	4	Var.	8	69
5	.100	.040	70.1	81.8	82.9	65.9	17.0	62.7	70.4	77	69	N	3	SSE	7	Var.	8	79
6	.093	.067	68.0	75.9	84.1	66.5	17.6	66.2	68.2	94	77	N	0	SE	4	Var.	8	67
7	.024	.936	69.1	82.7	85.9	68.0	17.9	63.2	66.3	82	68	N	4	SSE	14	Var.	6	148
8	.046	.966	70.7	81.0	85.8	63.0	17.3	61.5	68.6	78	66	N	2	SSE	11	SE	5	127
9	.065	.956	70.0	82.5	87.2	67.9	19.3	65.8	68.7	87	66	NE	3	SE	9	SE	4	99
10	.035	.963	69.4	83.8	84.9	63.0	15.9	63.8	68.5	82	64	Z	0	SE	12	Var.	4	97
11	.016	.956	70.4	84.4	86.1	63.7	17.4	63.8	68.5	87	68	N	2	SSE	11	SE	4	104
12	.069	.949	70.4	82.9	84.2	68.8	15.4	63.7	67.8	79	58	SE	1	SE	8	SE	4	95
13	.033	.957	69.1	84.4	86.7	66.8	19.9	63.4	67.5	82	57	SE	2	SSE	11	SE	6	126
14	.061	.950	72.0	82.1	84.3	68.5	15.8	65.4	69.2	80	65	SE	1	SSE	14	SSW	6	140
15	.021	.974	69.4	82.2	84.7	66.6	18.1	68.3	66.8	81	60	SE	1	SE	11	SE	6	124
16	.084	.970	67.4	83.9	85.5	65.6	19.9	62.4	67.9	84	61	SE	3	SSE	12	SE	5	94
17	.038	.987	69.6	87.6	87.8	65.5	22.3	66.9	66.6	91	50	SE	3	SSE	7	S	4	89
18	.042	.983	70.2	83.8	86.0	68.4	17.6	63.6	70.5	79	64	Z	0	S	6	Var.	4	78
19	.030	.957	69.8	83.4	85.7	68.4	17.3	64.7	68.0	84	60	N	1	SSE	10	Var.	5	113
20	.026	.974	70.2	84.2	86.3	68.4	17.9	63.1	70.6	78	64	Z	1	SSE	12	SSE	5	131
21	.031	.989	70.8	83.2	85.5	69.0	16.5	67.5	69.2	89	63	SE	3	SE	9	SE	4	94
22	.065	30.051	70.2	79.1	83.2	67.7	15.5	66.0	67.6	87	68	SE	2	Z	7	Var.	3	78
23	.100	.029	70.8	87.1	88.1	68.0	20.1	68.2	66.4	90	50	N	2	Z	0	S	2	43
24	.104	.026	70.4	82.6	84.5	68.5	15.8	66.5	69.9	84	56	Z	0	SSE	6	Var.	3	70
25	.081	29.981	71.4	88.4	85.5	69.1	16.4	65.5	68.5	83	61	W	2	SE	10	SE	4	106
26	.057	.991	70.4	82.9	86.7	69.0	17.7	66.1	70.4	83	66	SE	3	SE	8	SE	4	105
27	.063	30.008	71.4	78.7	86.3	69.6	16.7	66.9	73.8	89	85	S	2	SE	7	SE	4	105
28	.044	29.990	71.2	87.1	90.2	68.4	19.1	66.3	69.6	86	56	S	2	SE	6	Var.	4	84
29	.067	30.016	72.6	74.4	84.3	70.6	13.7	66.5	70.9	81	89	SE	3	SW	6	Var.	4	64
30	.083	29.981	72.4	80.3	85.8	69.2	16.6	67.2	71.7	84	76	NW	2	NE	6	Var.	3	74
31												N	2	SE	7	Var.	3	
Means.	30.050	29.992	69.8	82.3	85.4	67.9	17.6	64.6	69.2	84	65		1.8		8.7	4.1	99.9	

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

March. 1895.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	...	4 Cum.	8.	0.00	Fair a.m. Cloudy p.m. Rain 11 p.m.
2	4 Cir.	{ 8 Cir. s. 1 Cir.	...	10 Cum. s. & cum. 1 Cum.	0.19	Fine. Rain midnight to 1 a.m.
3	...	2 Cir. s.	...	8 Str. Cum.	0.00	Fine a.m. Cloudy p.m.
4	...	1 Cir.	...	10 Str. & str. cum.	0.00	Fine a.m. Cloudy p.m.
5	5 Cir.	...	2 Cum.	10 Str. cum.	0.00	Fine a.m. Cloudy p.m.
6	...	...	...	10 Str. cum.	0.00	Fine a.m. Cloudy p.m. Drizzle 2 to 2.30 p.m.
7	...	...	...	2 Cum & str. cum.	0.00	Fine.
8	...	3 Cir. & Cir. s.	...	3 Cum & str. cum.	0.00	Fine a.m. Fair p.m.
9	1 Cir. & cir. c.	...	...	10 Str. cum & cum.	0.00	Fine a.m. Cloudy p.m.
10	...	...	...	3 Cum. s. & cum.	0.00	Fine.
11	...	...	...	2 Cum.	0.00	Fine.
12	...	...	...	7 cum & str. cum.	0.00	Fine a.m. Fair p.m.
13	...	...	1 Cum. s.	1 Cum.	0.00	Fair a.m. Fine p.m.
14	...	...	...	...	0.00	Fine.
15	...	...	9 Str. Cum.	4 Cum.	0.00	Fair.
16	...	...	1 Cum. s.	6 Cum. & cum. s.	0.00	Fine a.m. Fair p.m.
17	...	...	...	5 Cum. s.	0.00	Fine a.m. Cloudy p.m.
18	...	...	8 Cum. s.	9 Cum. & cum. s.	0.00	Fair a.m. Fine p.m.
19	...	...	...	8 Cum. & cum. s.	0.00	Fine a.m. Cloudy p.m.
20	...	...	...	8 Str. cum.	0.00	Fine a.m. Cloudy p.m.
21	...	...	...	4 Cum. & cum. s.	0.02	Fine a.m. Fair p.m. Light rain at 6 p.m.
22	1 Cir.	...	4 Str. Cum.	9 Cum & str. cum.	0.12	Fair a.m. Cloudy p.m. Rain at 6 p.m.
23	...	...	...	10 Str.	0.00	Fair a.m. Cloudy p.m.
24	...	...	...	2 Cum.	0.00	Fine.
25	...	...	...	8 Str. & Str. cum.	0.02	Fine a.m. Cloudy p.m.
26	...	...	...	5 Cum. & cum.	0.00	Fine a.m. Fair p.m.
27	...	...	...	Nim N.	...	...
28	...	...	...	10 Str. str. & cum.	0.05	Fine a.m. Cloudy p.m.
29	...	...	...	10 Str. Str.	0.00	Fine a.m. Cloudy p.m. Rain at 2 p.m.
30	1 Cir.	...	...	cum. & cum.	...	...
31	3 Cir.	1 Cir.	...	9 Str. & Str. cum.	0.03	Fine a.m. Cloudy p.m. Very light irizzle 3.30 p.m.
	2 Cir.	...	...	10 Str.	0.00	Fine a.m. Cloudy p.m.
	6 Cir. s.	...	...	9 Str. & cum. s.	0.00	Cloudy.
Means.	7 o/o	5 o/o	9 o/o	64 o/o		Fair.
Total					0.43	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.					Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.	
King's House ...	400	68.1	65.4	88.8	62.7	25.6	68.2	73.2	84	67	92	17	60	2	32	1.00
Castleton Gardens ...	580	68.3	79.7	84.1	61.2	22.9	61.6	69.6	96.	71	87	14	53	21	34	0.60
Hope Gardens ...	600	67.0	81.7	86.7	61.9	24.8	61.7	70.1	84	67	92	14	59	2*	33	1.75
Stony Hill Reformatory	1,400	68.0	77.5	81.2	62.7	18.5	63.8	70.1	87	78	85	14	60	4 & 5	25	1.75
Ginchons Plantation ...	4,907	66.2	62.7	66.7	53.1	13.6	49.4	58.2	77	83	71	9†	49	1	22	8.53

* also 4, 14, 18 & 27.

† also 10, 11 & 17.

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.	
	1895.	Average.
Infantile diseases not otherwise specified ...	21	32
Lung diseases ...	17	17
Fever and Malaria ...	5	7
Dysentery and Diarrhoea ...	12	15
Various ...	68	68
Total	123	139

CINCHONA PLANTATION.

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

Barometric pressure	7 a.m.	25.863
" "	3 p.m.	25.354
Temperature—		
6 feet underground	7 a.m.	59.0
" "	3 p.m.	59.0
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		29.4

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 6.40 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE		Temp.	Rain.	Remarks.	Observer's Initials
		Max.	Min.				
1895.		°	°	°	in.		
January 31st	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th	1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	W. H.
April 1st	11.30 a.m.	63.9	40.8	57	4.40	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR MARCH, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	MARCH.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.	Amount.	Date.	
			Days on which .01 or more fell.		
Hordley	3.17	.80	30	7	4.44
Manchioneal	4.00	1.00	1	8	...
Bath P. W. D.	1.66	.24	39	13	...
Boston	...	...	...	...	5.04
Port Antonio P. W. D.	4.28	1.55	30	10	4.28
Fellowship P. W. D.	3.64	1.30	27	10	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Cedar Valley P. W. D.	3.09	1.44	25	14	...
Cinchona Plantation	3.52	1.28	31	13	6.38
Buff Bay P. W. D.	4.62	2.19	30	9	...

NORTH-EASTERN DIVISION, contd.	MARCH.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.	Amount.	Date.	
			Days on which .01 or more fell.		
Cold Spring	2.62	1.00	25	4	...
Hardware Gap	3.70	...	...	...	...
Rose Hill	16.74	.90	14	30	...
Annotto Bay P. W. D.	2.69	.65	30	10	...
Stony Hill Refty	1.76	.90	29	3	3.11
Belle Vue	...	...	...	...	...
Castleton Gardens	.60	.15	4*	8	4.45
Lawrence's Tavern P. W. D.	.72	.54	25	2	...
Albany, P.W.D.	1.95	.90	30	7	...
Quebec	...	...	...	...	2.85
Richmond P. W. D.	.16	.16	12	1	...
Highgate P. W. D.	1.14	.36	30	6	...
Gayle	.55	...	...	...	5.10
Gayle P. W. D.	.85	.25	5	6	...
Rio Hoe	.55	.42	28	2	4.63
Unity Valley	.72	.46	30	9	4.28
Moneague P. W. D.	.45	...	...	3	...
Claremont	1.32	.81	29	4	...
Albion	.92	.41	28	6	3.87
Averham Park	...	...	...	...	3.20
Ballintoy	.72	...	...	1	...
Means	1.79	...	...	...	4.50

* Also 13.

SOUTHERN DIVISION.	MARCH.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which .01 or more fell.	
		Amount.	Date.		
	in.	in.			in.
Morant Point L. H.	.67	.17	8	11	2.02
Morant Bay, P. W. D.	.59	.22	1	α	...
Lyssons	...	...	...	...	...
Easington P. W. D.	1.86	1.51	28	2	...
Abbey	1.84	0.80	28	7	2.72
Bull Bay P. W. D.	.00	.00	...	0	...
Gordon Town	1.66	...	...	5	...
Hope Gardens	1.75	.57	22	7	2.86
Hope Reservoir	1.57	.42	22	7	...
Cherry Garden	1.42	...	...	7	2.56
King's House	1.07	.80	31	5	1.64
Cavaliers	.61	.47	22	2	...
Shortwood	1.33	.34	21*	5	...
Constant Spring	.36	.13	31	4	...
Monaltrie	2.34	1.39	22	8	1.63
Halfway-Tree P.W.D.	1.89	.92	22	6	...
Camperdown	2.12	.75	22	4	...
Public Works Office Kn	.43	.19	2	6	1.38
Plumb Point L. H.	1.48	.63	22	3	1.17
Port Royal	...	...	...	...	...
Ferry P. W. D.	.85	.30	31	5	...
Spanish Town P.W.D.	2.27	1.20	31	7	2.79
Windsor Park	2.10	.80	5	5	2.21
Hog Hole Pen P.W.D.	3.48	1.57	27	6	3.11
Old Harbour P.W.D.	1.97	.63	28	8	2.41
Somerset Hall	2.68	.78	29	4	...
May Pen P. W. D.	1.31	.55	21	5	...
Hermitage	1.28	.75	26	4	...
Denbigh	1.50	...	...	...	2.05
Yarmouth P.W.D.	3.59	2.86	...	6	...
Victoria Town	2.21	1.06	30	3	...
Stone's Hope	3.52	1.70	28	7	2.90
Newport P. W. D.	3.63	1.20	27	7	...
Alligator Pond P W D	5.40	2.82	28	4	...
Potsdam	3.02	1.40	29	9	2.93
Long Hill	5.60	1.60	16	10	3.11
Pepper	7.65	3.20	27	8	3.06
Torrington P. W. D.	3.46	2.25	29	7	...
Bethlehem	4.16	1.82	29	10	...
Santa Cruz P.W.D.	5.80	.84	28	11	...
Holland	4.26	1.40	30	9	...
Black River P. W. D.	3.99	1.40	30	8	...
Whitehall	3.53	...	...	...	...
Font Hill	...	...	...	...	...
Grand Vale	...	...	...	...	...
Peter's Ville	3.68	1.69	9	12	...
Mount Edgecombe	5.82	1.50	19	14	2.77
Sweet River	2.98	.73	9	9	3.19
Windsor, Sav.-la-Mar.	1.75	.53	9	10	2.93
Sav.-la-Mar P. W. D.	2.17	.84	9	9	...
Retreat	...	...	...	...	...
Negril Pt. Lighthouse	3.47	1.61	9	9	...
Means	2.63	...	...	...	2.45

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	MARCH.	
	1895.	Average.
North Eastern Division	1.79	4.50
Northern "	.31	2.06
West Central "	3.27	3.10
Southern "	2.63	2.45
Means	2.00	3.03

* Also 25.

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.

MAR.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean Sea-level 6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	Notes.	Phase of Moon, &c.
Day.	In.	In.	In.	In.		
1	19	16	18.3	3	b	
2	21	18	20.0	3	c	
4	20	18	19.0	2	d	
5	21	18	20.0	3	c	First Q.
7	25	21	22.9	4	c	Decl. 29° N.
8	24	20	22.3	4	c	
9	27	21	24.3	6	c	Full 10th [Perigee.]
11	24	21	22.8	3	b	
12	23	21	22.1	2	d	Decl. 0°
13	23	21	22.4	2	d	
14	22	20	20.8	2	d	
15	22	19	20.3	3	c	
16	24.2	19.4	21.3	4.8	c	
18	23.8	19.8	21.7	4.0	c	Third Q. Decl. 29° S.
19	24.6	20.8	23.1	3.8	c	
21	18.8	17.6	18.5	1.2	d	Apogee.
22	18.6	18.2	18.4	0.4	d	
23	18.4	18.0	18.3	0.4	d	
25	18.4	18.4	18.4	0.0	d	Decl. 0°
26	20.6	17.4	19.5	3.2	b	New.
27	22.6	21.8	22.3	0.8	d	
28	23.0	20.8	22.4	2.2	b	
29	23.2	20.6	21.9	2.6	c	
30	23.6	19.2	21.5	4.4	c	
Means	22.2	19.4	21.4	2.8		

α Tides clearly marked. b Tides not clearly marked.
c One tide in the 24 hours d Water nearly steady.

The greatest monthly fall viz., 16.74 inches was recorded at Rose Hill and no rain fell at twenty stations in the Northern Division. The greatest fall in 24 hours was 4.65 inches, and was recorded at Mandeville P.W.D., on the 27th. The greatest number of days on which rain fell at any one place was 3, at Rose Hill.

In the North-eastern and Northern Divisions the rainfall was very deficient being less than a half and a sixth of the average respectively. In the West Central and Southern Divisions the fall was in each case, a little above the average. The result for the whole Island thus shows a fall of about two-thirds the average.

At Farm Plantation it was "extremely dry until "the 26th", at Appleton all the rain fell between the 25th and 30th; Mr. Jas. Ryley reports from Windsor Park that "the rains which have fallen between the 27th "and 31st of this month have been extraordinarily "partial. On the 29th I measured .32 but three chains "from the house not a drop fell." At Stone's Hope from the 8th to the 23rd no rain fell, and no rain fell till the 24th at Pepper.

Mr. Chas. B. Vickers reports from Mt. Edgecombe that "the fall is unusually heavy for the month—indeed "it is only surpassed by March, 1893, when 8.88 in. "fell."

Mr. Francis Dod, Abingdon, reports "first part of month norths blowing, second part calm, still suffering from the drought, horsekind from colds."

Mr. W. Bruford, Hermitage, writes "very sultry, scarcely any wind during the month," and Mr. M. S. Strickland, Great Valley, reports "very dry but heavy dews at night."

Mr. E. G. Barrett, reports thunder at Albion on 28th.

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

	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.53
March	2.03	3.04
Total	8.58	9.71

ROBT. JOHNSTONE.

Kingston, 16th April, 1895.

THE MAGNETIC DECLINATION

(or variation of the Magnetic Needle in Kingston.)

In *Weather Report* No. 133 for June 1891, an account was given of the Magnetic instrument used in connection with the Meridian-mark in Kingston for finding the Declination, which on July 1st 1891, was 2° 16' E.

The observations were recently repeated by Mr. Brennan, with the same instrument and under the same circumstances with the following results.—

1895.	First Set.	Second Set.
	° /	° /
Feb. 12th	2 0	2 0
15th	2 1	2 1
16th	2 1	2 0
17th	2 0	2 0
18th	1 59	2 0
Means	2 0	2 0

The two sets were taken at about 8 a.m. each day, as in 1891.

We thus have 2° 0' E. on February 15th 1895; and taking the mean of these two results we have

(I). 1893, Decl. 2° 8' E.

Now in 1876, the Declination at Port Royal was found to be 3° 45' E. by Captain Green,* USN, who was then engaged in determining the Latitude and Longitude of Kingston; and as the Declination at Port Royal must be nearly the same as that of Kingston, in consequence of the close proximity of the two places; we shall adopt for Kingston

(II). 1876; Decl. 3° 45' E.

Going still further back I do not know of any determination we can depend upon until we reach 1804 when James Robertson found that the Decl. was 6° 30' E., and this he caused to be engraved on his Map of Jamaica† bearing that date. We thus have

(III). 1804; Decl. 6° 3' E.

Now in 1806, James Robertson wrote an article "On the Permanency of the Compass in Jamaica since 1660", which was published in the *Phil. Trans.* of the Royal Society of London, (1806, part ii p. 348), and it is to the effect that judging from the directions

*The navigation of the Caribbean Sea and Gulf of Mexico, Vol. I. p. 224.

†The boundaries of the counties and parishes as laid down in these maps were declared to be the legal boundaries by 50 Geo. III. c. 15.

of lines of logwood fences dividing properties &c. the magnetic declination could not have varied during the British occupation of Jamaica. And what is also very important to us, he states that in 1700, Dr. Halley, afterwards Astronomer Royal, published a chart of Capt. Edmund Halley, which gave the declination at Port Royal as 6° 30' E. As it was Dr. Halley who first placed isogonic lines (that is lines of equal declination) on charts for nautical purposes, his authority is undeniable, and we have

(IV). 1700; Decl. 6° 30' E.

From the adopted Declination at the four epochs I, II, III & IV, we can easily deduce an algebraic expression which will give the Declination in terms of the time.

Let D. be the Declination measured in minutes of arc, + E. and — W.; and let t the time be measured from 1893, + forwards, — backwards; then

$$D = 128' - 6'.557 t \\ - 0.05228 t^2 \\ - 0.001313 t^3$$

From this expression the Declination was computed for a few intermediate years; and then a curve was drawn showing the variation of the Declination with the time, and from that curve the following table has been taken:—

Year.	Decl. E.
	° /
1700	6 30
1710	24
1720	18
1730	16
1740	18
1750	21
1760	22
1770	24
1780	27
1790	32
1800	30
1810	29
1820	22
1830	6 9
1840	5 49
1850	5 23
1860	4 50
1870	4 10
1880	3 23
1890	2 29
1900	1 24
1910	0 0

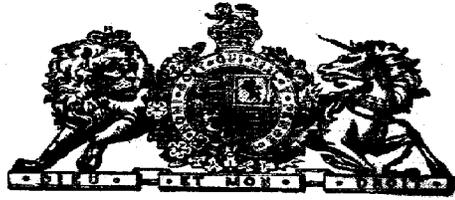
It will be seen that the Decl. was nearly steady between 1700 and 1800; the maximum occurred in 1791 when the Decl. was 6° 32' E., and there was a secondary minimum in 1729, when the Decl. dipped down to 6° 16'; it will also be seen that the Decl. vanishes in the year 1910, when of course the Magnetic Needle will point true north; but we have gone far enough in pointing out the probable course of variation.

It is to be understood that the accuracy of the above table depends upon the accuracy of the adopted Decl. at the four epochs, and this I consider to be sufficient for all practical purposes. By collecting further reliable observations in past times it may be possible to improve it; and any information on this point will be gladly received; but no further Magnetic observations will be made by the present Meteorological Service in Jamaica.

April 20th 1895.

MAXWELL HALL.





JAMAICA

WEATHER REPORT

FOR THE MONTH OF

APRIL, 1895.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

April. 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
1	29.990	29.915	70.2	81.9	85.4	68.0	17.4	65.4	69.7	85	67	SE	2	SE	10	SE	4	100
2	.948	.874	71.4	79.8	85.1	65.3	16.8	67.0	71.2	86	68	Z	0	SE	12	SE	4	142
3	.970	.938	75.4	79.9	85.3	72.1	13.2	67.1	70.8	75	64	SE	3	SE	8	SE	5	119
4	30.030	.986	73.6	83.6	85.3	69.8	15.5	68.8	70.5	85	65	Z	0	SE	7	SE	3	77
5	.026	.955	72.9	83.8	87.8	70.0	17.8	67.8	71.5	82	67	SE	2	S	5	S	3	77
6	.005	.936	73.2	82.2	86.2	72.0	14.2	71.1	72.5	93	73	S	3	S	3	Var.	4	85
7	29.998	.959	74.4	83.2	86.4	72.8	13.6	69.2	71.5	84	69	Z	0	N	3	N	5	126
8	30.008	.924	72.4	84.4	85.3	69.7	15.6	67.2	70.5	84	63	SE	2	SSE	13	SSE	6	147
9	.001	.934	73.7	84.3	85.7	72.7	13.0	68.0	71.6	82	65	SE	2	SSE	10	SSE	5	132
10	.025	.981	71.9	82.7	86.0	69.7	16.3	65.4	69.4	80	62	SE	2	SE	4	Var.	3	80
11	.078	30.022	71.9	84.1	86.3	69.4	16.9	65.1	68.0	82	65	E	2	SE	7	SE	4	99
12	.068	29.995	73.2	84.8	86.3	70.6	15.5	68.3	69.6	82	59	Z	0	S	7	SE	3	74
13	29.988	.927	72.2	84.0	85.5	69.0	18.5	69.1	71.6	85	62	Z	0	S	6	SE	3	68
14	.982	.987	70.2	84.7	85.8	67.6	18.0	66.1	71.7	87	65	N	0	SE	7	Var.	4	96
15	30.077	.953	73.4	84.3	86.5	71.0	15.5	69.2	70.9	87	64	S	2	SSE	10	S	4	101
16	.069	.950	73.4	87.7	88.8	71.0	17.8	68.7	72.5	86	61	SE	3	S	8	S	4	88
17	29.976	.876	73.4	84.7	86.3	71.5	14.8	69.4	72.0	87	66	Z	0	S	9	S	4	99
18	.899	.867	73.4	85.6	85.7	70.0	15.7	69.6	73.7	88	68	Z	0	S	7	S	3	72
19	.947	.914	74.2	86.1	88.0	71.4	16.6	70.2	72.6	87	64	Z	0	S	6	S	3	73
20	.957	.916	77.6	86.4	90.3	75.2	11.1	67.8	73.7	72	66	Z	0	SW	5	Var.	4	113
21	30.000	.989	75.8	84.8	88.8	73.6	15.2	68.2	73.9	77	70	N	3	S	4	Var.	5	101
22	.043	30.000	75.2	80.0	84.5	73.7	10.8	70.7	72.3	86	78	N	3	NW	6	Var.	4	64
23	.043	.007	75.2	82.0	86.0	72.4	12.6	70.4	71.1	86	70	N	1	SE	9	SE	4	105
24	.066	.009	73.9	85.4	85.5	71.8	13.7	69.6	72.5	86	66	SE	3	SE	10	Var.	4	94
25	.064	.001	73.9	85.4	86.9	71.0	15.9	67.8	72.3	81	69	E	1	SSE	14	SSE	7	157
26	.089	.003	75.2	86.4	88.5	72.0	16.5	68.2	74.7	79	64	E	2	SE	13	SSE	5	127
27	.063	29.963	74.2	85.0	87.5	70.0	17.5	68.7	73.6	83	69	E	2	SE	8	SE	5	89
28	29.982	.989	76.6	85.6	87.0	72.3	14.7	69.5	73.4	79	67	E	0	SSE	11	SE	4	118
29	.962	.930	79.6	86.9	87.3	72.0	15.3	68.9	71.9	83	63	SE	2	SE	12	SE	6	154
30	30.081	.930	75.4	86.4	87.8	72.0	15.8	69.9	69.7	83	58	Z	0	SE	13	SE	6	152
Means.	30.012	29.952	73.9	84.2	86.5	71.1	15.4	68.4	71.7	83	66	Var.	1.6	SSE	8.5	SSE	4.3	104.0

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

April. 1895.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	1 Cir. c.	...	8 Str. & Str. cum.	Ins.	Fair a.m. Cloudy p.m.
2	8 Cir. & Cir. s.	8 Cir.	1 Cum.	1 Cum.	0.00	Fine. Strong S. E. breeze from noon.
3	5 Cir. & Cir. s.	7 Cir.	1 Cum.	2 Cum.	0.00	Fine.
4	1 Cir. s.	...	...	8 Cum. & Str.	0.00	Fair a.m. Cloudy p.m.
5	10 Cir.	...	...	10 Cum. & str.	0.00	Fair a.m. Cloudy p.m.
6	...	...	10 Str.	10 Str. & Str. cum.	0.02	Cloudy. Drizzle about 4 a.m. and at 6.30 a.m.
7	...	...	10 Str. & Str. c.	10 Str. & Str. cum.	0.09	Cloudy. Rain 3 p.m.
8	...	...	1 Cum.	3 Cum.	0.00	Fair a.m. Fine p.m.
9	2 Cir. & cir. s.	...	...	2 Cum.	0.00	Fine.
10	1 Cir. c.	...	...	10 Str. & Str. cum.	0.03	Cloudy. Rain at 6 p.m.
11	...	5 Cir. & Cir. s.	...	4 Cum. & Str. cum.	0.00	Fair a.m. Cloudy p.m.
12	...	...	...	8 Str. & cum.	0.15	Fine a.m. Cloudy p.m. Rain 4.40 to 5.20 p.m.
13	4 Cir.	3 Cir. & Cir. s.	1 Cum.	1 Nim. 6 Str. & cum.	0.39	Fair a.m. Cloudy p.m. Rain 4 to 5.45 p.m.
14	1 Cir.	3 Cir.	...	1 Nim.	...	...
15	8 Cir. 1 Cir. s.	...	...	3 Cum. & cum. s.	0.00	Fine.
16	2 Cir. & Cir. s.	1 Cir. s.	1 Cum.	9 Str. & Str. cum.	0.00	Fair a.m. Cloudy p.m.
17	...	...	...	6 Str. & cum.	0.00	Fine a.m. Cloudy p.m.
18	11 Cir. s. 11 Cir.	3 Cir. & Cir. s.	...	6 Cum. & cum. s. 1 cum.	0.00	Fine a.m. Fair p.m. Fine.
19	2 Cir. & Cir. s.	3 Cir. & Cir. s.	...	2 Cum.	0.00	Fine.
20	9 Cir. & Cir. s.	6 Cir. & Cir. s.	...	4 Cum & cum. s.	0.00	Fine a.m. Fair p.m.
21	...	5 Cir. & Cir. s.	10 Str. Cum.	6 Str. & cum.	0.10	Cloudy. Rain 4.25 to 5 p.m.
22	...	...	...	10 Str. & cum.	0.13	Cloudy. Rain 7.45 to 9 a.m. and at 3.20 p.m.
23	3 Cir. & Cir. s.	...	7 Str. Cum.	10 Str. cum.	0.00	Cloudy.
24	...	...	10 Str. Cum.	10 Cum. s. & cum.	0.07	Cloudy. Rain 8.45 a.m.
25	...	1 Cir.	1 Cum. Str.	1 Cum.	0.00	Fine.
26	...	...	...	2 Cum.	0.00	Fine.
27	...	3 Cir. s.	...	3 Cum. & cum. s.	0.00	Cloudy.
28	...	...	...	2 Cum.	0.00	Fine.
29	1 Cir. & Cir. s.	...	1 Cum.	2 Cum.	0.00	Fine.
30	1 Cir.	...	1 Cum.	2 Cum.	0.00	Fine. Thunder to N. E. about 5.30 a.m.
Means.	20 o/o	16 o/o	18 o/o	54 o/o		Fair.
Total					0.98	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.						EXTREMES FOR THE MONTH.						Total Rainfall.		
		Temperature.					Dewpoint.		Humidity.		Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.		Date.	Range.
King's House ...	400	71.6	83.6	88.2	64.9	23.3	67.0	71.8	84	67	91	29	62	1	29	2.50
Castleton Gardens ...	580	68.2	79.8	84.3	65.6	18.7	63.0	71.0	91	74	87	19*	61	2	26	2.59
Hope Gardens ...	600	71.2	82.3	86.5	62.5	24.0	65.0	70.6	81	69	98	19	60	4†	33	4.18
Stony Hill Reformatory ...	1,400	69.7	77.1	80.5	65.1	15.4	67.4	71.2	92	82	85	26†	62	22†	23	7.93
Cinchona Plantation ...	4,907	59.7	63.0	64.8	54.7	10.1	54.0	59.2	80	86	72	30	51	3	21	5.88

* also 25 & 30.

† and 28.

‡ also 6 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:—

	APRIL.	
	1895.	Average.
Infantile diseases not otherwise specified	28	27
Lung diseases	18	16
Fever and Malaria	5	9
Dysentery and Diarrhoea	19	15
Various	64	55
Total	134	122

CINCHONA PLANTATION.

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

Barometric pressure	7 a.m.	25.389
" "	3 p.m.	25.322
Temperature—		
6 feet underground	7 a.m.	59.0
" "	3 p.m.	59.0
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		11.5

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 20.10 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials
		Max.	Min.				
1895.		°	°	°	in.		
January 31st	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th	1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	W. H.
April 1st	11.30 a.m.	63.9	40.8	57	4.40	Cloudy.	W. H.
April 30th	5 p.m.	68.9	41.8	...	20.07	Fine and clear.	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR APRIL, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	APRIL.				Average.
	Total Fall.	1895.			
		Greatest fall in 24 hours.	Days on which .01 or more fell.	Average.	
in.	in.	Date.	Days on which .01 or more fell.	in.	
Hordley	11.55	3.40	23	13	5.58
Manchioneal	...	...	...	...	...
Bath P. W. D.	21.15	11.00	21	18	...
Boston	...	...	...	...	6.79
Port Antonio P. W. D.	...	...	...	...	6.87
Fellowship P. W. D.	...	...	...	...	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Cedar Valley P. W. D.	4.34	1.36	12	15	...
Cinchona Plantation	8.88	2.50	23	17	7.17
Buff Bay P. W. D.	...	...	...	...	...

NORTH-EASTERN DIVISION, contd.	APRIL.				Average.
	Total Fall.	1895.			
		Greatest fall in 24 hours.	Days on which .01 or more fell.	Average.	
in.	in.	Date.	Days on which .01 or more fell.	in.	
Cold Spring	7.62	2.53	1	7	...
Hardware Gap	10.50	...	...	...	...
Rose Hill	9.98	.90	9	19	...
Annotto Bay P. W. D.	...	...	...	...	...
Stony Hill Retty	7.98	3.05	12	8	5.30
Belle Vue	...	...	...	...	...
Castleton Gardens	12.59	3.25	1	15	6.74
Lawrence's Tavern P. W. D.	3.68	1.01	27	8	...
Albany, P.W.D.	7.78	3.00	21	10	...
Quebec	...	...	...	...	3.36
Richmond P. W. D.	5.58	1.25	21	9	...
Highgate P. W. D.	6.90	2.72	23	9	...
Gayle	11.95	1.70	21	12	4.50
Gayle P. W. D.	5.18	1.58	21	13	...
Rio Hoe	2.33	.68	10	7	4.40
Unity Valley	4.65	1.43	6	16	4.76
Moneague P. W. D.	2.72	...	...	9	...
Claremont	6.40	2.23	10	11	...
Albion	4.33	1.00	6	14	4.55
Averham Park	...	...	...	...	5.13
Ballintoy	5.59	1.57	11	8	...
Means	8.10	...	...	...	5.28

NORTHERN DIVISION	APRIL.				
	1895.				
	Total Fall	Greatest fall in 24 hours.		Days on which fall or more fell.	Average.
		Amount.	Date.		
In.	In.	Date.	Days on which fall or more fell.	in.	
Port Maria P. W. D.	6.83	1.62	23	10	2.79
Drax Hall	4.17	1.33	21	7	2.84
St. Ann's Bay P.W.D.	4.29	1.36	21	12	...
Seville	...	...	...	...	2.85
Richmond Estate	3.54	1.65	20	4	2.56
Llandovery	...	...	...	...	2.76
Southfield	...	...	...	...	...
Brown's Town P.W.D.	5.80	...	...	12	...
Home Castle	4.15	1.25	23	7	2.37
Richmond Pen	2.97	.62	4	7	4.15
Mahogany Hall	5.31	1.66	4	11	3.37
Braco	3.25	1.43	12	7	2.32
Arcadia	2.99	1.55	23	7	2.02
Arcadia Great House	2.75	...	...	...	...
Harmony Hall	...	...	...	...	1.91
Lancaster	3.32	1.00	12	9	2.26
Vale Royal	5.50	1.75	23	9	2.67
Colchis Pen	5.35	1.28	23	7	3.02
Hyde	5.04	1.22	16	12	2.85
Georgia	5.99	1.85	17	6	...
Steelfield	6.62	2.00	17	10	2.26
Oxford	6.18	1.40	23	8	1.95
Cambridge	6.68	2.41	23	11	2.57
Dry Valley	...	...	...	...	...
Lottery	5.58	1.30	23	10	2.00
Falmouth	2.20	...	...	...	2.04
Falmouth P. W. D.	1.59	.65	10	8	...
Fontabelle	5.20	.80	10	13	...
Holland Pen	2.87	.87	10	8	2.41
Pembroke	...	...	...	...	2.71
Golden Grove	2.45	1.00	23	6	2.30
Green Park	4.16	1.40	30	11	1.63
Tilston	2.50	1.10	23	5	2.36
Weston Favell	7.51	2.43	23	14	3.48
Orange Valley	2.56	.85	23	6	1.75
Kent	2.48	.65	23	7	2.02
Dundee	3.07	1.33	23	4	1.86
Phoenix	...	...	...	...	4.51
Gale's Valley	4.25	1.50	22	6	2.51
Greenwood	2.66	1.41	11	4	1.61
Canaan	5.53	1.00	9	8	...
Content	...	...	...	...	...
Bellfield	3.92	1.34	10	7	...
Guildsbro'	6.08	2.40	25	7	3.27
Tryall	...	...	...	...	...
Leogan	...	...	...	...	2.57
Cinnamon Hill	1.25	.65	9	6	1.49
Rose Hall	1.06	.65	9	4	1.43
Running Gut	.85	.35	9	7	1.77
Spring	1.00	...	...	...	...
Ironshore	1.10	.40	10	4	2.65
Friendship	...	...	...	...	...
Providence	2.23	1.39	23	4	2.97
Montego Bay P. W. D.	4.79	1.45	...	9	...
Catherine Hall	5.70	2.00	23	7	2.93
Catherine Mount	...	...	...	...	2.93
Fairfield	5.74	2.07	23	9	3.16
Anchovy	...	...	...	...	3.44
Eden	...	...	...	...	4.38
Wiltshire	...	...	...	...	4.07
Round Hill	5.63	1.70	9	11	2.26
Flint River	7.03	...	...	...	...
Tryall	...	...	...	...	3.03
Sandy Bay P. W. D.	6.74	...	...	11	...

* also 26.

NORTHERN DIVISION contd.	APRIL.				
	1895.				
	Total Fall	Greatest fall in 24 hours.		Days on which fall or more fell.	Average.
		Amount.	Date.		
in.	in.	Date.	Days on which fall or more fell.	Average.	
Kew	...	...	...	...	5.14
Lucea P. W. D.	5.66	1.51	8	8	...
Thornhill, Lucea	...	...	...	...	...
Haughton Court	6.82	1.93	9	9	2.78
Orange Cove	...	...	...	...	3.68
CENTRAL SUB-DIVISION—					
Headworks, R. C. C.	5.74	...	...	8	3.47
Linstead P. W. D.	4.81	1.37	5	8	5.16
Point Hill, P.W.D.	7.00	2.06	6	9	...
Harker's Hall P.W.D.	5.38	1.23	6	12	...
Chapelton P. W. D.	6.55	1.52	12	12	3.18
Danks-Savoy	6.52	1.56	12	12	...
Cave Valley	5.81	2.19	14	9	5.40
Means	4.23	...	...	...	2.63
WEST CENTRAL DIVISION.					
Farm Plantation.	4.70	2.00	13	6	4.05
Brokenhurst Plantation	2.70	.90	4	9	6.06
Christiana P. W. D.	8.73	3.50*	14	8	...
Kendal P. W. D.	...	...	...	...	...
Mandeville P. W. D.	5.18	1.65	4	12	3.98
Marshall's Pen	...	...	...	...	5.44
Ulster Spring P.W.D.	8.96	1.90	16	14	...
Troy	10.80	3.12	16	11	...
Windsor Pen	6.94	1.10	16	14	6.79
Balaclava P. W. D.	7.20	2.24	1	11	...
Elim	7.83	.22	15	10	...
Appleton	7.41	1.83	1	12	9.70
Magotty P.W.D.	5.47	1.91	1	16	...
Spring Vale	11.25	3.05	14	14	4.82
Maroon Town	...	...	...	...	7.93
Kempshot	6.84	1.50	10	16	4.81
Kepp	7.22	1.95	27	11	9.83
Kew Park	7.08	1.44	16	11	8.61
Mount Carey	8.28	3.00	...	10	...
Windsor Forest	...	...	...	...	10.10
Chester Castle	...	...	...	...	7.35
Darliston P. W. D.	8.91	2.71	28	12	...
Whithorn, P. W. D.	5.54	1.17	11	18	...
New Galloway	5.61	1.24	11	9	...
Lethe Bridge	10.27	...	...	...	...
Copse	...	...	...	...	5.81
Cacoa Castle	8.90	2.50	27	12	5.28
Golden Grove	...	...	...	...	9.05
Great Valley	11.25	2.75	27	...	...
Brownsville	9.80	2.06	28	14	...
George's Plain Estate	1.40	.56	25	6	...
Fontabelle	.59	.14	4	8	5.22
Morgans Bridge P.W.D.	1.66	.31	14	13	...
King's Valley	1.70	.50	...	8	5.03
Abingdon	5.82	3.10	25	5	5.62
Means	5.87	...	...	...	6.14

* in two hours.

SOUTHERN DIVISION.	APRIL.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which (1) or more fall.	
		Amount.	Date.		
	in.	in.	Date.	Days	in.
Morant Point L. H.	8.59	4.20	24	16	2.97
Morant Bay, P. W. D.	6.50	2.50	30	11	...
Lyssons	...	...	...	...	...
Easington P. W. D.	2.30	.48	21	9	...
Abbey	2.68	.50	4	15	2.78
Bull Bay P. W. D.	.00	.00	...	0	...
Gordon Town	3.80	1.23	13	3	...
Hope Gardens	4.18	2.50	13	5	2.45
Hope Reservoir	4.06	2.34	13	10	...
Cherry Garden	4.53	...	...	6	3.53
King's House	2.57	1.25	23	5	2.72
Cavaliers	1.18	.55	13	4	...
Shortwood	2.84	1.13	23	8	...
Constant Spring	2.35	.72	13	9	...
Monaltrie	4.19	2.02	14	10	1.42
Halfway-Tree P.W.D.	2.66	1.27	21	6	...
Camperdown	...	...	...	...	...
Public Works Office Kn	.98	.39	13	3	1.03
Plumb Point L. H.	2.38	2.30	13	3	1.09
Port Royal	...	...	...	...	...
Ferry P. W. D.	1.61	.50	20	6	...
Spanish Town P.W.D.	2.14	1.04	12	9	2.85
Windsor Park	...	...	...	...	3.06
Hog Hole Pen P.W.D.	4.92	1.15	12	8	3.33
Old Harbour P.W.D.	1.81	.65	22	7	2.69
Somerset Hall	5.39	1.47	14	7	...
May Pen P. W. D.	2.86	.72	23	3	...
Hermitage	2.02	1.36	22	6	...
Denbigh	...	...	...	...	...
Yarmouth P.W.D.	2.11	.67	23	3	...
Victoria Town	5.76	1.50	20	5	...
Stone's Hope	3.51	.85	4	13	4.44
Newport P. W. D.	5.01	1.00	29	12	...
Alligator Pond P.W.D	2.23	1.67	14	2	...
Potsdam	3.71	2.10	21	7	5.30
Long Hill	3.24	1.50	15	6	8.92
Pepper	9.44	3.24	22	11	8.02
Torrington P. W. D.	2.21	.85	4	7	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D	5.98	2.30	5	7	...
Holland	7.20	1.40	6	14	...
Black River P. W. D.	2.65	.86	23	8	4.09
Whitahall	6.44	...	...	...	...
Font Hill	1.45	...	...	...	...
Grand Vale	...	...	...	...	...
Peter's Ville	5.30	1.55	1	10	...
Mount Edgecombe	3.39	.78	12	12	4.29
Sweet River	3.31	1.06	5	9	4.92
Windsor, Sav.-la-Mar.	...	...	...	...	4.96
Sav.-la-Mar P. W. D.	6.96	2.44	12	12	...
Retreat	...	...	...	...	...
Negril Pt. Lighthouse	1.85	.89	16	5	...
Means	3.79	...	...	...	3.68

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	APRIL.	
	1895.	Average.
North Eastern Division	8.10	5.28
Northern "	4.23	2.63
West Central "	5.87	6.14
Southern "	3.79	3.68
Means	5.50	4.43

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.*

APRIL.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean Sea-level		Phase of Moon, &c.
			6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	
Day.	In.	In.	In.	In.	
1	24.4	20.2	22.4	4.2	Decl. 29° N.
2	25.2	21.6	23.5	3.6	First Q.
3	27.6	23.2	25.7	4.4	
4	25.8	21.2	24.0	4.6	
5	25.4	21.2	23.9	4.2	
6	27.4	23.4	25.4	4.0	Perigee.
8	22.8	19.2	21.7	3.6	Decl. 0°
9	22.4	19.4	21.1	3.0	Full.
10	23.0	20.0	21.6	3.0	
11	24.0	19.6	21.8	4.4	
13	23.0	17.4	20.1	5.6	Decl. 29° S.
16	22.6	19.2	21.8	3.4	14th Third Q.
17	23.6	20.6	22.4	3.0	
18	23.8	21.0	22.7	2.8	Apogee.
19	23.6	21.4	22.6	2.4	
20	23.0	21.4	22.4	1.6	
22	22.2	20.8	21.7	1.4	Decl. 0°
23	22.2	20.0	21.3	2.2	
24	22.0	19.4	20.9	2.6	New.
25	23.2	19.4	21.3	3.8	
26	24.0	19.2	21.6	4.8	
27	23.4	19.0	21.0	4.4	
29	27.0	21.0	23.8	6.0	Decl. 28° N.
Means	24.0	20.1	22.4	3.9	

*As the connection between the diurnal tide and the semidiurnal tides has been determined, and also the circumstances under which the sea-level may remain nearly steady for 12 hours or so, it is considered unnecessary to continue the former notes a &c. M. H.

The greatest monthly fall viz., 21.15 inches was recorded at Bath P.W.D. and no rain fell at Bull Bay P.W.D. The greatest fall in 24 hours was 11.00 inches, and was recorded at Bath P.W.D., on the 21st. The greatest number of days on which rain fell at any one place was 19 at Rose Hill

In the North-eastern and Northern Divisions the rainfall was in excess of the average; in the West Central and Southern Divisions it was about the average, the former being a little above and the latter a little below. The result for the whole Island shows a fall exactly a fourth more than the average.

While the above is the case there are some stations below the average and a few markedly so, among the latter being Fontabelle and Kings Valley, both in Westmoreland and in the West Central Division.

The following notes have come to hand:—
Darlinton P.W.D. (H. Hollis.) On 28th at Darlinton there fell 2.71 inches of rain between 2.30 p.m. and 3.30 p.m. and hail fell between 2.45 p.m. and 3.15 p.m. accompanied by a heavy wind.

Rio Hoe (J. Smallpage) From the 6th to 25th fine showers of rains for the pastures and plants; but nothing for the ponds.

Farm Pen (C. P. Nosworthy) Very seasonable and promise of good pimento and coffee.

Fontabelle (H. A. Vickers) Heavy rain clouds gathered on the hills every day from about 11 a.m., during the last half of the month, but were blown away by the sea breeze.

Pepper (M. E. Muirhead) For the whole month there has been nice seasonable weather.

EARTHQUAKES.

Four earthquakes during the month have been reported and the following information given about them. The dates of occurrence were 14th, 22nd (reported as only a 'tremor') 28th and 30th, and for convenience they are referred to as A, B, C, & D.

A.

Catherine Hall (A. Doull.) A prolonged shock of earthquake on Sunday the 14th at 4.25 a.m.

Montego Bay (Maxwell Hall.) April 14th, 4.35 a.m. a slight shock of earthquake was felt by several persons in this town.

Brownsville (Rev. John F. Gartshore.) Shock of earthquake felt here 4.25 a.m., Sabbath 14th April, violent shaking, with a steady heave as experienced before. Lasted several seconds.

Great Valley (M. S. Strickland) On Sunday 14th shock of earthquake at 4.45 a.m.

Potsdam (Rev. W. D. Pearman) An earthquake shock was observed here at 4.24 in the morning of April 14th.

Shortwood (Miss Johnson.) April 14th double shock of earthquake 4.30 a.m..

B.

The only report of the second earthquake was also from Shortwood, viz. "April 22, tremor at about 3 a.m."

C.

Albion (E. G. Barrett.) Slight shock of earthquake at 8 p.m. on 28th.

Bound Hill. Severe shock of earthquake on Sunday the 28th at 7.45 p.m.

Brownsville, (Rev. J. F. Gartshore.) Earthquake felt here Sabbath evening 28th.

Great Valley (M. S. Strickland) On Sunday 28th heavy thunder in afternoon, shock of earthquake 8.35 p.m. The thermometer went down to 73° between 3 & 4 p.m. that day, unusually low at that time of day.

Mount Edgecombe (Chas. B. Vickers.) On Sunday last 28th April there was a slight shock of earthquake here

about 8. p.m. The duration was very short. Crockery rattled: my dog barked and numerous pea-fowl roosting on trees, near by, cried out. Direction West to East. Air calm.

Peters Ville (Thos. S. McNeel) Our first thunder was on the 27th and with it a fall of rain of 1.11 in. On the 28th more thunder, no rain, very cold in the early morning and at 8.56 p.m. a slight shock of earthquake from East to West.

Kepp (Walter H. Allport.) Slight shock of earthquake at about 8 p.m. Sunday 28th.

D.

Petersville (Thos. S. McNeel.) At 4.45 a.m. on the 30th another slight shock. The days have been very close and hot.

Kepp (Walter H. Allport.) Another slight shock very early in the morning of 3rd.

Potsdam (Rev. W. D. Pearman.) There was a sharp shock of earthquake at 8.51 a.m. on the 30th.

Shortwood (Miss Johnson.) Double shock of earthquake 3.50 a.m.

The three shocks, A, C, and D are also reported to have been felt at Kew Park (J. R. Williams) and at Falmouth (M. S. Hendrick) in the latter case however it was only reported that three shocks were felt "during this month."

Below will be found a statement of the Rainfall recorded during this year compared with the average fall during the months in question. It will be seen that the rainfall to the end of April was just the average.

	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.53
March	2.03	3.04
April	5.50	4.43
Total	14.08	14.14

ROBT. JOHNSTONE.

Kingston, 20th May, 1895.





JAMAICA

WEATHER REPORT

FOR THE MONTH OF

M A Y, 1 8 9 5.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

May 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
	In.	In.	°	°	°	°	°	°	°	°	°							
1	30.032	29.955	75.4	83.8	89.0	72.2	16.8	65.6	71.5	72	67	SE	1	SE	12	SE	6	146
2	30.029	29.968	76.4	75.9	85.5	72.4	16.1	65.2	71.5	76	86	SE	1	NE	3	SE	3	79
3	30.026	29.962	74.9	81.6	87.5	70.7	16.8	67.2	67.9	77	63	Z	0	E	3	SE	3	75
4	30.016	29.959	76.7	82.9	86.5	70.4	16.1	68.9	71.0	77	67	E	1	SE	6	SE	3	106
5	30.020	29.963	75.9	80.1	87.3	72.3	15.0	71.3	80.1	86	70	Z	0	SE	11	SE	5	124
6	29.991	29.940	78.2	86.1	87.2	72.7	14.5	70.1	72.9	76	65	Z	0	SE	8	SE	4	117
7	29.966	29.956	77.7	82.4	84.3	74.0	10.3	71.8	70.7	82	88	SE	1	E	11	SE	5	98
8	30.009	29.921	76.6	86.2	87.5	73.8	13.7	71.7	70.5	85	60	SE	1	E	14	SE	6	149
9	29.992	29.900	77.4	85.7	87.5	73.0	14.5	69.8	72.2	77	64	SE	1	SE	11	SE	5	128
10	29.959	29.907	78.9	85.4	87.5	74.0	13.5	71.5	70.9	78	62	SE	0	SE	9	SE	6	134
11	29.969	29.935	80.8	86.2	87.3	74.6	12.7	71.4	73.0	73	65	Z	0	SSE	6	SE	6	133
12	29.965	29.918	80.3	84.9	87.7	75.6	12.1	70.9	73.4	73	69	SE	0	SE	9	SE	4	103
13	29.978	29.949	80.8	85.8	87.5	74.0	13.5	72.1	72.1	75	64	Z	0	SSE	12	SE	6	124
14	30.028	29.918	81.4	87.1	89.5	73.4	16.1	69.6	72.5	68	62	SE	1	SSE	13	SE	5	124
15	30.000	29.894	79.9	86.4	88.0	74.0	14.0	70.2	72.9	72	64	SE	0	SE	13	SE	4	102
16	29.969	29.921	81.4	85.4	87.8	73.4	14.4	70.0	72.9	69	66	E	1	SSE	11	SE	5	111
17	30.018	29.928	80.4	86.6	87.9	74.7	13.2	69.0	72.0	65	62	SE	1	SSE	11	SE	6	155
18	30.041	29.950	83.3	86.7	88.0	75.8	12.2	69.1	72.4	62	63	SE	1	SSE	13	SE	7	172
19	30.042	29.933	82.1	86.2	88.1	74.0	14.1	67.6	72.3	61	63	Z	0	SSE	13	SE	6	145
20	30.021	29.939	78.8	84.2	87.9	71.7	16.2	66.3	72.8	66	69	SE	0	E	5	SE	3	72
21	29.975	29.917	79.7	81.4	89.3	74.6	14.7	69.6	74.0	71	78	Z	0	SE	7	SE	3	68
22	29.989	29.938	80.2	83.9	87.7	73.7	14.0	70.8	72.9	73	70	SE	1	SE	5	SE	2	58
23	30.030	29.968	81.4	83.6	88.3	72.0	16.3	71.0	73.1	71	71	S	1	S	3	SE	3	64
24	30.033	29.969	82.1	81.9	87.9	72.6	15.3	70.7	75.4	68	80	Z	0	S	2	SSE	3	67
25	30.033	29.949	81.7	84.6	87.5	71.8	16.7	70.8	74.0	70	71	S	2	SE	6	SE	3	84
26	30.037	29.962	83.4	83.3	87.9	73.2	14.7	70.9	74.1	66	74	S	2	SSE	9	SE	5	109
27	30.044	30.005	79.6	87.0	89.1	73.5	15.6	68.7	71.8	69	61	SE	1	SE	10	SE	6	136
28	30.062	30.005	81.4	84.7	88.9	73.0	13.9	71.6	74.1	72	70	SE	0	SE	3	SE	4	98
29	30.025	30.001	79.4	73.4	83.9	73.3	15.6	69.3	71.1	71	95	SE	1	N	3	SE	3	72
30	30.001	29.966	74.2	79.4	87.3	71.0	16.3	70.9	73.0	89	80	E	1	N	3	SE	3	71
31	29.993	29.979	77.4	73.1	86.6	72.3	14.3	69.4	71.5	76	95	N	1	N	3	Var.	3	61
Means.	30.010	29.947	79.3	83.4	87.8	73.2	14.6	69.9	72.6	73	70	Var.	0.5	SE	8.3	SE	4.4	106.3



KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

May. 1895.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	3 Cir. & Cir. s.	...	3 cum.	Ins.	Fine a.m. Fair p.m.
2	...	2 Str. Clr.	...	5 Str. & Cir. Str.	0.00	Fine a.m. Thunder to N. at 1 p.m. Rain at 1.25 p.m.
3	1 Cir.	...	1 Cum.	9 Str. & Cum.	0.23	Fine a.m. Cloudy p.m. Rain at 1.20 and at 8.15 p.m.
4	...	...	...	7 Str. Cum. & cum.	0.00	Cloudy from 9 a.m. Cloudy p.m.
5	...	...	9 Str. & Str. Cum.	2 Cum. & Cum. Str.	0.00	Cloudy a.m. Fine p.m.
6	...	1 Cir.	...	3 Cum.	0.00	Fine.
7	1 Cir.	...	8 Str. & Cum. Str.	10 Cum. Str.	0.00	Cloudy.
8	9 Cir. & Cir. s.	6 Cir.	1 Cum. Str.	2 Cum. N.	0.00	Fair.
9	4 Cir.	1 Cir.	1 Cum.	4 Cum. & Cum. Str.	0.00	Fair.
10	2 Cir. S.E.	1 Cir.	5 Cum. Str.	3 Cum.	0.00	Cloudy a.m. Fair p.m.
11	2 Cir.	1 Cir.	1 Cum. S.E.	2 Cum. N.	0.00	Fine.
12	2 Cir. c.	6 Cir. & Cir. s.	5 Cum. & Cum. s.	4 Cum. & Cum. Str.	0.00	Cloudy.
13	3 Cir. & Cir. s.	1 Cir. & Cir. s.	5 Cum. Str.	2 Cum. N.	0.00	Cloudy a.m. Fine p.m.
14	1 Cir. c.	4 Cir.	...	1 Cum. N.	0.00	Fine.
15	2 Cir. & Cir. s.	1 Cir.	...	9 Cum. & Str. c.	0.00	Fair a.m. Cloudy p.m.
16	10 Cir. & Cir. a.	1 Cir. & Cir. s.	...	4 Cum. & Str.	0.00	Fine a.m. Cloudy p.m.
17	2 Cir.	1 Cir.	2 Cum. S.	8 Cum. N.	0.00	Fine a.m. Fair p.m.
18	1 Cir.	1 Cir. c.	1 Cir. Cum.	2 Cum. & Cum. Str. S.E.	0.00	Fine.
19	2 Cir.	...	...	1 Cum.	0.00	Fine.
20	7 Cir. & c. Cum.	...	1 Cum. Str.	10 Str. & Cum.	0.00	Cloudy Thunder to N.E. at 2.10 p.m.
21	2 Cir.	1 Cir. s.	7 Cum. Str.	8 Str.	0.14	Cloudy a.m. Rain from 1.10 p.m. to 1.40 p.m.
22	3 Cir.	1 Cir.	1 Cum. S.	8 Str. & Cum.	0.03	Fine a.m. Cloudy p.m.
23	...	...	...	9 Str. & Cum.	0.03	Fine a.m. Cloudy p.m. Thunder to N. at 1.10 p.m. Rain at 3.30 to 4 p.m.
24	...	...	...	7 Str. & Cum.	0.59	Fine a.m. Cloudy p.m. Rain at 1.25 p.m. to 3 p.m.
25	1 Cir.	...	...	6 Cum. Str.	0.00	Fine a.m. Fair p.m.
26	...	...	2 Cum.	8 Cum.	0.00	Fine a.m. Fair p.m.
27	...	4 Cir. Str.	1 Cum. S.	4 Str. Cum.	0.00	Fine a.m. Cloudy p.m.
28	1 Cir. Str.	8 Cir. & Cir. Str.	2 Cum. & Cum. Str.	4 Cum. & Cum. Str.	0.00	Fine a.m. Cloudy p.m.
29	4 Cir. & Cir. Str.	...	2 Cum. & Str.	1 Cum. 8 Nim. & Cum. Str.	0.11	Fine a.m. Cloudy. Thunder 12.30 and 2.10. Rain at 2.10 to 3.30 p.m. and at 8.30 to 8.45 p.m.
30	2 Cir. & Cir. Str.	2 Cir. s.	4 Cum. & Cum. Str.	2 Cum. s. & 5 alt. Str.	0.03	Fair a.m. Thunder at 0.25 p.m. N.E.
31	1 Cir. c.	...	6 Cum. Str. 1 Nim.	10 Nim.	0.81	Fair a.m. Thunder at 0.45 p.m. S.W. Rain at 8.50 to 10.30 a.m. Cloudy 3 p.m. Rain from 3 p.m. to 8.30 p.m.
Means.	21 o/o	13 o/o	21 o/o	52 o/o		Fair.
Total					1.98	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.						EXTREMES FOR THE MONTH.						Total Rainfall.		
		Temperature.					Dewpoint.		Humidity.		Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.		Date.	Range.
King's House ...	400	74.5	83.5	89.0	66.6	22.4	70.7	75.6	87	78	92	14*	64	20	28	5.80
Castleton Gardens ...	530	72.9	79.3	86.0	66.9	19.1	70.3	74.2	90	82	89	15&19	64	12	26	9.03
Hope Gardens ...	600	73.4	82.0	87.0	67.1	19.9	70.0	75.3	90	79	91	3†	61	1†	30	5.52
Stony Hill Reformatory ...	1,400	72.0	76.9	81.6	67.3	14.3	69.6	73.0	92	88	85	14&20	65	1,3&4	20	7.42
Cinchona Plantation ...	4,907	62.8	64.8	68.1	57.0	11.1	65.9	61.8	77	90	78	28	55	3,4&5	13	5.48

* also 19 & 28.

† also 14 & 19.

‡ also 4 & 30.

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.	
	1895.	Average.
Infantile diseases not otherwise specified ...	87	23
Lung diseases ...	25	15
Fever and Malaria ...	15	8
Dysentery and Diarrhoea ...	16	14
Various ...	69	60
Total	162	119

Of the various 2 were due to Influenza.

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials
		Max.	Min.				
1895.		°	°	°	in.		
January 31st ...	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th ...	1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	W. H.
April 1st ...	11.30 a.m.	63.9	40.8	57	4.40	Cloudy.	W. H.
April 30th ...	5 p.m.	68.9	41.8	...	20.07	Fine and clear.	D. W.
May 31st ...	3.45 p.m.	62.9	45.8	53	15.20	Heavy rain; very cold.	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR MAY, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	MAY.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.	Amount.	Date.	
	in.	in.	Days on which .01 or more fell.	in.	
Hordley	16.63	3.75	7	17	16.69
Manchioneal	27.74	6.40	31	13	...
Bath P. W. D.	15.01	4.27	7	18	...
Boston	...	...	...	...	23.51
Port Antonio P. W. D.	33.67	14.51	31	12	20.65
Fellowship P. W. D.	27.47	17.49	31	8	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Cedar Valley P. W. D.	11.80	5.71	31	16	...
Cinchona Plantation	5.46	.95	24	17	10.27
Buff Bay P. W. D.	2.38	1.20	31	7	...

CINCHONA PLANTATION.

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

Barometric pressure	7 a.m.	25.865
" "	3 p.m.	25.343
Temperature—		
6 feet underground	7 a.m.	59.6
" "	3 p.m.	59.6
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		10.3

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 10.50 in.

NORTH-EASTERN DIVISION, contd	MAY.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.	Amount.	Date.	
	in.	in.	Days on which .01 or more fell.	in.	
Cold Spring	11.90	3.05	24	14	...
Hardware Gap	11.62	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	1.53	.75	5	7	...
Stony Hill Refty	7.43	1.45	23	12	10.10
Belle Vue	...	...	...	...	...
Castleton Gardens	9.03	1.60	21	19	12.90
Lawrence's Tavern P. W. D.	5.90	...	...	10	...
Albany, P.W.D.	2.30	1.20	4	9	...
Quebec	2.19	1.10	16	6	7.72
Richmond P. W. D.	5.16	.75	6	11	...
Highgate P. W. D.	2.48	.50	4	10	...
Gayle	7.10	2.25	4	...	8.93
Gayle P. W. D.	5.72	1.45	4	14	...
Bio Hoe	2.03	.67	4	5	10.90
Unity Valley	3.51	1.22	3	11	10.63
Moneague P. W. D.	2.90	.63	21	7	...
Claremont*	10.88	3.10	27	8	...
Albion	6.03	1.54	12	16	8.62
Averham Park	8.71	2.26	16	11	8.61
Ballintoy	4.09	1.25	22	8	...
Means	9.24	...	...	...	11.46

*2.23 inches in an hour on 27th.

NORTHERN DIVISION	MAY.					NORTHERN DIVISION contd.	MAY.				
	1895.						1895.				
	Total Fall	Greatest fall in 24 hours.		Days on which .01 or more fall.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which .01 or more fall.	Average.
		Amount.	Date.					Amount.	Date.		
In.	In.	Date.	in.	in.	Date.	in.	in.	Date.	in.		
Port Maria P. W. D.	8.03	.91	16	9	7.64	Kew	...	...	...	...	11.68
Drax Hall	5.42	1.86	13	6	8.05	Lucea P. W. D.	9.22	2.82	17	12	...
St. Ann's Bay P.W.D.	5.66	1.80	12	9	...	Thornhill, Lucea	...	...	...	...	...
Seville	...	...	...	...	8.16	Houghton Court	...	...	...	...	7.68
Richmond Estate	...	...	...	...	8.59	Orange Cove	...	...	...	...	8.52
Llandoverly	3.40	2.50	12	4	8.33	CENTRAL SUB-DI- VISION—					
Southfield	...	...	...	...	...	Headworks, R. O. C	2.75	...	...	5	9.12
Brown's Town P.W.D.	6.85	...	...	11	...	Linstead P. W. D.	9.76	2.39	...	12	10.43
Home Castle	9.16	2.97	12	13	6.29	Point Hill, P.W.D.	9.09	2.90	2	13	...
Richmond Pen	8.82	1.60	12	12	8.13	Harker's Hall P.W.D.	11.56	2.25	3	13	...
Mahogany Hall	18.64	2.41	12	20	7.74	Chapelton P. W. D.	7.13	2.00	30	19	7.75
Braco	6.00	1.90	12	11	5.51	Danks-Savoy	...	...	...	...	...
Arcadia	8.73	2.06	12	16	4.71	Cave Valley	7.29	1.09	21	10	10.80
Arcadia Great House	8.67	2.65	12	17	...	Means	9.80	...	...	...	6.85
Harmony Hall	...	...	...	...	4.68	WEST CENTRAL DIVISION.					
Lancaster	9.00	2.60	12	15	5.66	Farm Plantation	6.14	2.38	...	11	10.13
Vale Royal	9.45	2.25	12	10	6.54	Brokenhurst Planta- tion	3.65	1.10	30	13	13.68
Colchis Pen	20.85	4.14	12	20	7.08	Christiana P. W. D.	9.89	2.10	2	10	...
Hyde	10.79	1.33	16	19	8.50	Kendal P. W. D.	...	...	...	...	...
Georgia	9.91	3.38	12	11	...	Mandeville P. W. D.	7.76	1.66	5	13	12.76
Steelfield	9.11	3.70	12	12	5.91	Marshalls Pen	...	...	...	...	...
Oxford	7.85	3.15	12	13	5.92	Ulster Spring P.W.D.	17.17	3.46	29	17	...
Cambridge	8.71	3.05	12	16	6.78	Troy	17.55	1.63	2	21	...
Dry Valley	...	...	...	...	6.69	Windsor Pen	13.05	1.70	12	21	10.81
Lottery	6.89	1.94	12	15	6.02	Balaclava P. W. D.	14.41	2.57	21	18	...
Falmouth	6.85	...	...	...	...	Elim	17.81	4.12	21	14	...
Falmouth P. W. D.	5.94	2.40	12	11	...	Appleton	11.47	1.73	16	17	10.85
Fontabelle	11.75	2.20	12	22	...	Magotty P.W.D.	15.37	4.10	16	14	...
Holland Pen	9.69	2.73	12	13	6.11	Spring Vale	18.53	3.71	16	19	12.43
Pembroke	...	...	...	...	6.28	Maroon Town	...	...	...	...	10.88
Golden Grove	...	...	...	...	8.67	Kempshot	13.37	1.59	26	18	8.32
Green Park	11.94	4.55	14	18	6.91	Kepp	11.49	1.96	21	23	12.51
Tilston	13.30	4.00	21	18	8.29	Kew Park	...	...	...	...	11.22
Weston Favell	...	...	...	...	10.99	Mount Carey	10.18	2.50	21	11	...
Orange Valley†	13.09	3.00	12*	11	5.90	Windsor Forest	...	...	...	...	13.70
Kent†	11.67	3.05	14	15	6.14	Chester Castle	...	...	...	...	10.95
Dundee	12.14	...	...	...	6.89	Darliston P. W. D.	19.35	2.61	4	23	...
Phoenix	...	...	...	...	8.57	Whithorn, P. W. D.	18.91	4.73	7	22	...
Gale's Valley	12.70	...	...	...	9.21	New Galloway	17.66	4.36	7	18	...
Greenwood	11.90	8.88	14	9	4.05	Lethe Bridge	14.21	3.10	21	19	...
Canaan	9.26	1.48	16	12	...	Copse	20.21	4.21	21	17	11.82
Content	...	...	...	...	...	Cacoon Castle	19.32	3.23	5	22	13.13
Bellfield	16.98	3.30	14	19	...	Golden Grove	13.25	2.00	16	19	15.16
Guildbro'	10.59	2.21	5	15	8.79	Great Valley	19.19	2.40	12	...	...
Tryall	9.85	2.00	16	10	...	Brownsville	21.11	2.47	13	26	...
Leogan	...	...	...	...	5.75	George's Plain Estate	...	...	...	...	...
Cinnamon Hill	12.87	4.00	12	12	3.46	Fontabelle	13.02	2.16	7	18	8.84
Rose Hall	12.00	3.50	12	12	3.23	Morgans Bridge PWD	18.78	3.02	7	21	...
Running Gut	11.32	3.50	12	12	4.82	King's Valley	11.97	3.00	7	18	11.72
Spring	9.45	...	...	...	...	Abingdon	10.70	2.00	24	13	7.50
Ironshore	8.75	2.30	7&12	14	5.06	Means	12.42	...	...	...	11.40
Friendship	...	...	...	...	...	
Providence	9.21	2.35	19	11	5.33						
Montego Bay P. W. D.	9.19	2.01	15	13	...						
Catherine Hall	11.90	2.50	15	17	7.94						
Catherine Mount	...	...	...	...	8.19						
Fairfield	10.88	2.01	15	16	9.67						
Anchovy	...	...	...	...	9.38						
Eden	...	...	...	...	8.62						
Wiltshire	...	...	...	...	9.68						
Round Hill	9.02	...	...	...	6.74						
Flint River	...	...	...	...	...	
Tryall	...	...	...	...	6.79						
Sandy Bay P. W. D.	10.30	...	...	14	...						

* and 14.

† Gauge ran over at Kent 15th and at Orange Valley 12 and 14.

SOUTHERN DIVISION.	MAY.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which .01 or more fell.	
		Amount.	Date.		
Morant Point L. H.	4.04	1.25	...	14	13.73
Morant Bay, P. W. D.	10.20	4.33	7	15	...
Lyssons	...	...	...	...	...
Easington P. W. D.	3.63	.81	31	9	...
Abbey	5.64	2.30	31	15	19.11
Bull Bay P. W. D.	2.14	...	...	2	...
Gordon Town	8.53	...	...	11	...
Hope Gardens	5.32	2.23	20	8	6.72
Hope Reservoir	...	...	...	...	...
Cherry Garden	...	...	...	...	5.83
King's House	5.60	1.75	29	8	7.59
Cavaliers	...	...	...	...	...
Shortwood	7.35	2.03	29	11	...
Constant Spring	...	...	...	...	...
Monatree	4.33	1.22	25	11	5.97
Halfway-Tree P.W.D.	2.96	...	...	9	...
Camperdown	4.29	1.50	25	...	...
Public Works Office Kn	1.98	.81	1	8	5.58
Plumb Point L. H.	2.49	1.10	31	7	6.19
Port Royal	...	...	...	...	...
Ferry P. W. D.	1.87	...	...	7	...
Spanish Town P.W.D.	1.82	1.70	31	3	6.66
Windsor Park	...	...	...	...	6.55
Hog Hole Pen P.W.D.	2.12	1.62	31	3	7.62
Old Harbour P.W.D.	6.18	5.48	30	5	5.15
Somerset Hall	7.85	1.71	22	7	...
May Pen P. W. D.	7.86	3.70	31	13	...
Hermitage	8.27	3.43	31	11	...
Denbigh	...	...	...	...	7.94
Yarmouth P.W.D.	4.82	2.60	31	6	...
Victoria Town	6.35	1.80	31	6	...
Stone's Hope	5.33	1.15	3	18	10.44
Newport P. W. D.	4.08	1.00	29	11	...
Alligator Pond P W D	2.15	.72	7	5	...
Potsdam	2.10	.53	3	10	6.41
Long Hill	8.75	2.45	3	13	9.77
Pepper	12.78	3.60	2	12	11.60
Torrington P. W. D.	2.93	1.20	2	8	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D	14.46	2.80	13	16	...
Holland	14.04	2.80	3	11	...
Black River P. W. D.	6.91	1.35	4	10	5.96
Whitehall	10.23	...	...	...	...
Fout Hill	...	...	...	...	...
Grand Vale	...	...	...	...	...
Peter's Ville	6.93	...	30	20	...
Mount Edgecombe	6.34	1.14	4	18	6.53
Sweet River	15.92	2.49	15	20	7.15
Windsor, Sav.-la-Mar.	7.86	1.60	15	19	9.52
Sav.-la-Mar P. W. D.	6.36	1.10	9	22	...
Retreat	5.05	.90	30	11	...
Negril Pt. Lighthouse	5.39	1.19	25	12	...
Means	5.86	...	...	...	7.93

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	MAY.	
	1895. | Average.	
	In.	In.
North Eastern Division	9.24	11.46
Northern	9.80	6.85
West Central	12.42	11.40
Southern	5.86	7.93
Means	9.33	9.41

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.*

APRIL.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean		Phase of Moon, &c.
			Sea-level 6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	
Day.	In.	In.	In.	In.	
1	26.0	21.0	23.7	5.0	First Q.
2	25.0	21.2	23.2	3.8	
3	28.0	23.8	26.0	4.2	Perigee.
4	26.0	22.8	24.7	3.2	Decl. 0° 5th.
5	24.0	21.8	23.2	2.2	
6	24.0	20.8	22.6	3.2	
7	24.0	20.0	21.8	4.0	Full Moon.
8	24.0	19.0	21.6	5.0	
9	23.8	18.6	20.9	5.2	
10	24.2	19.2	21.6	5.0	Decl. 28° S.
11	24.6	19.8	21.9	4.8	
12	23.6	18.4	21.4	5.2	
13	24.0	20.2	22.2	3.8	
14	24.6	21.4	23.2	3.2	Last Q. Apo-gee.
15	23.4	20.6	22.1	2.8	
16	24.6	21.8	23.1	2.8	Decl. 0° 19th.
17	23.8	20.4	21.9	3.4	
18	22.2	19.2	20.9	3.0	
19	22.2	18.2	20.3	4.0	
20	22.8	18.0	20.0	4.8	Full Moon 24th.
21	23.8	17.8	20.2	6.0	Decl. 28° N.
22	25.0	19.0	21.0	6.0	
23	25.6	19.8	22.1	5.8	
24	24.6	20.0	21.7	4.6	Perigee.
25	24.6	20.4	21.8	4.2	
26	24.0	21.0	22.5	3.0	First Q.
Means	24.3	20.2	22.1	4.1	

The following notes have come to hand:—

Gayle (J. C. Melville) Except 4th, light showers. Every appearance of heavy rains. No thunder to speak of.

Albion. At the end of month ponds very low—some dry.

Rio Hoe (Jno. Smallharm) The driest May we have had for a long time, strong breeze several days. Much in want of rain, very hot at nights.

Green Park (H. D. Carroll.) The 4.55 inches on 14th fell in about 4 hours and washed away fodder off the land, washed out cane-roots and did much damage to walls and roads.

Oanaan, Cinnamon Hill, Rose Hall, Bunning Gut and Tryall (Joseph Shore.) Most of the rain fell between 12th and 16th May. Cinnamon Hill had 9.99 inches in 4 days, Rose Hall and Bunning Gut just a little less.

Brokenhurst (Walter W. Wynne.) High winds and hot sun, rains very partial.

Elim (F. H. Farquharson.) On 1st May we had a very severe storm which blew down several trees, and tore the guttering off the house, carrying the pieces fully 50 yards from the house. On 21st the rain gauge flowed over.

Appleton (Wm. Hill.) Much heavier rains in the hills to the North and North East.

Great Valley (Martin S. Strickland.) Rain nearly every day and the heat excessive.

Fontabelle (Westd.,) (H. A. Vickers.) Heavy rains

during this month: on 31st heavy rain accompanied by strong and violent squalls of wind from South East.

Copae (H. H. Edwards.) On the 21st the 4.21 inches fell in a matter of two hours, came down in torrents.

The Abbey.—(T. F. Manners)—A slight shock of earthquake on the 29th between 9 and 10 p. (?) m. Thunder in the distance 31st.

Shortwood College (Miss M. J. Lewis.) Two inches of rain fell in 28 minutes on the 29th.

Retreat.—W. H. Farquharson. The smallest rainfall here since 1881.

FALLS OF HAIL.

Mr. George R. Smith of Torrington, Santa Cruz Mountains sends, through the Supt. Pub. Works St. Elizabeth, the following account of a fall of hail on the 2nd.—“As compared with previous years the weather for the month has been unprecedented. Though this particular district is not a rainy one, still the fall has been unusually small.

“On the 2nd the rain was most peculiar, commencing towards the North East with intense blackness the downpour was tremendous about 2 miles away, after lasting for some time in that direction the wind changed and a regular storm of hail prevailed for some time (with very little rain) until the commons presented the appearance of being covered with white marl, hail stones as large as a pigeon's egg being among them, then followed the rain pretty smart lasting for a short time the total fall measuring 1.20, since then as you will see by memo. the amount of rain has been very small amounting almost to Dry Weather 2.98 being the smallest rainfall for the month of May as far back as I can remember.”

The Superintendent of Public Works, Trelawny, reports that “the heaviest fall of rain was at Ulster Spring on the 29th when 3.46 inches fell accompanied by a heavy shower of hail, lasting about 15 minutes.”

The greatest monthly fall viz. 33.67 ins. was recorded at Port Antonio P.W.D. and the smallest viz. 1.53 inches at Annotto Bay P.W.D., these stations are only 30 miles apart and in the same Division (N.E.). The greatest fall in 24 hours was 17.49 inches and was recorded at Fellowship P.W.D., three miles from Port Antonio, on the 31st. The greatest number of days on which rain fell at any one place was 26 at Brownsville in Hanover (W.C.Div.)

The means show that in the Northern and West Central Divisions the rain was above the average by 43 and 9 per cent. respectively and that in the North-Eastern and Southern Divisions the fall was below the average by 19 and 26 per cent. respectively. The result for the whole Island shows a fall almost exactly the average.

While this is the general result a more detailed consideration of the returns and above notes shows the following. The North Eastern Division may be roughly separated into two sub-divisions, East and West, the

former having heavy May “seasons,”—at Port Antonio the fall was both very heavy in itself and largely in excess of the average,—and the latter suffering from a want of “seasons”. The centre of this dry patch was Annotto Bay and it has already been pointed out that Port Antonio and Annotto Bay had the heaviest and least falls respectively of all the places in the Island.

With regard to the Northern Division, with the exception of a small area along the sea coast from Port Maria to St. Ann's Bay, which may be looked upon as a continuation of the dry patch in the N. E. Division, the falls were in all cases of or considerably in excess of the average and the “seasons” were particularly heavy at Mahogany Hall, Colohis Pen, and Bellfield (say 19, 21 and 17 inches respectively) and at the following places the falls were also twice the average, although in themselves not so heavy, viz, Orange Valley, Greenwood, and Running Gut while at Cinnamon Hill and Rose Hall the falls were nearly four times the average.

The West Central Division shows almost similar conditions. At the few stations in Manchester the rain was below the average, while in the rest of the Division the falls were heavy, thirteen places having between 15 and 20 inches.

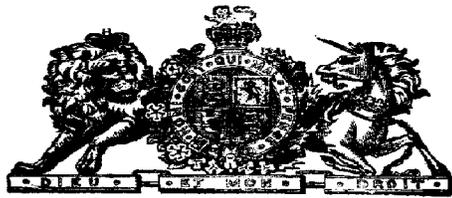
In the Southern Division, while the May rains generally failed, still, in the Western portion of the division there were some places where the fall was up to or above the average, e.g.:—Pepper, Black River, Mt. Edgecombe, and Sweet River, this latter place having twice its average fall. It is curious also to note the small falls on the top of the Santa Cruz Mountain viz. Potsdam and Torrington with 2 and 3 inches and the heavy falls on the plains below viz. Santa Cruz Village and Holland with 14, Whitehall with 10 and even Black River with 7 inches respectively.

Below will be found a statement of the Rainfall recorded during this year as compared with the average fall during the months in question. It will be seen that the rainfall for the Island to the end of May was very little (not one per cent) short of the average.

	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.63
March	2.03	3.04
April	5.50	4.43
May	9.39	9.41
Total	28.41	28.55

ROBT. JOHNSTONE.

18th June, 1895.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JUNE, 1895.

KINGSTON :—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

June 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
	In.	In.	°	°	°	°	°	°	°									
1	29.989	29.959	77.1	83.2	84.5	69.7	14.8	72.5	73.5	86	73	Z	0	SE	8	SE	5	120
2	30.004	29.968	80.3	78.6	86.1	71.0	15.1	71.9	72.5	76	82	SE	6	SE	9	SE	6	149
3	29.990	29.985	78.2	83.3	86.5	72.2	14.3	69.5	71.5	75	67	S	1	SE	11	SE	5	123
4	29.986	29.969	74.7	85.5	86.3	72.7	13.6	68.0	74.3	79	69	S	1	SE	8	SE	4	90
5	29.996	29.979	80.4	83.4	86.5	73.3	13.2	70.3	73.1	71	71	E	1	SE	10	SSE	5	121
6	30.056	29.979	79.5	88.4	89.5	73.1	16.4	70.9	70.1	75	59	Z	0	SE	12	SE	5	8
7	30.061	30.018	80.7	84.1	89.4	74.7	14.7	69.6	69.3	69	61	Z	1	SE	7	SE	4	72
8	30.018	29.966	81.1	85.6	89.5	72.8	16.7	69.2	70.9	70	62	Z	0	E	4	SE	3	98
9	29.974	29.974	78.9	85.3	89.4	72.6	16.3	68.3	70.1	70	60	N	1	S	6	SE	2	70
10	29.949	29.942	79.1	83.7	87.5	72.6	14.9	70.6	70.8	75	66	Z	0	E	5	SE	3	81
11	30.019	29.989	82.9	87.4	88.9	75.3	18.6	69.2	71.5	63	59	Z	0	E	11	SE	8	182
12	30.066	30.005	76.7	88.0	89.6	74.3	15.3	65.3	70.3	69	56	SE	2	SE	13	SE	6	136
13	30.040	29.975	78.4	86.7	89.8	74.5	15.3	68.9	72.9	73	64	S	1	SE	12	SE	6	135
14	30.026	29.992	82.4	86.7	89.8	75.2	14.6	70.5	71.7	67	61	S	0	SE	11	SE	6	135
15	30.045	30.031	82.0	86.4	88.9	75.2	13.7	69.3	66.3	66	51	S	1	SE	11	SE	6	142
16	30.095	29.999	83.6	86.6	89.5	75.2	14.3	63.4	70.4	61	59	S	2	SE	13	SE	6	155
17	30.076	29.989	78.3	90.1	91.9	72.5	19.4	63.5	68.1	74	49	S	1	SE	13	SE	6	143
18	30.029	29.979	79.4	87.2	91.9	74.6	17.3	68.2	71.8	69	60	S	0	SE	10	SE	5	114
19	30.082	29.967	80.9	86.6	91.5	76.1	15.4	69.8	69.5	69	57	S	1	SE	7	SE	5	117
20	30.018	29.982	75.7	86.4	86.7	73.0	18.7	73.6	71.1	93	61	S	1	SE	7	SE	5	112
21	30.083	30.003	77.1	85.7	89.4	74.6	14.3	69.3	67.4	77	55	S	0	ESE	7	SE	3	82
22	30.047	30.022	76.6	89.4	90.8	70.4	22.4	74.7	65.6	94	46	S	1	SSE	13	SE	6	159
23	30.057	29.995	78.3	87.1	90.8	72.3	18.5	64.9	67.4	64	52	S	0	ESE	11	SE	5	122
24	30.069	30.041	76.2	84.1	86.3	72.2	14.1	64.7	72.0	68	69	Z	0	E	6	SE	2	50
25	30.077	30.027	82.2	85.4	88.1	72.0	16.1	71.0	72.0	69	64	Z	0	SE	10	SE	3	65
26	30.049	30.018	78.8	90.3	90.6	73.6	17.0	71.2	71.2	78	54	Z	1	SE	10	SE	5	121
27	30.027	30.012	80.3	89.2	89.3	75.5	15.3	69.2	67.4	69	49	Z	0	SE	10	SE	7	160
28	30.070	30.030	78.3	86.9	88.5	73.1	15.4	65.1	73.3	63	63	E	1	SE	12	SE	5	130
29	30.116	30.059	77.5	84.7	90.9	73.8	17.1	68.9	68.3	75	51	E	1	ESE	15	SE	5	129
30	30.111	30.040	81.7	84.8	90.9	73.2	17.7	65.1	63.6	57	60	E	1	ESE	9	SE	4	86
Means.	80.037	29.994	79.3	86.1	89.0	73.4	15.6	69.3	70.5	72	60	Var.	0.8	SE	9.7	SE	4.9	117.8

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

June. 1896.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall. Ins.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	1 Cir.	2 Cir.	7 Cum. 2 Alt. Str.	8 Cum. & Cum. Str.	0.15	Cloudy. Rain 9 a.m. to 11.15 a.m.
2	1 Cir. & Cir. Cum.	3 Cir. & Cir. Str.	4 Cum. & Cum. Str.	5 Cum. & Cum. Str. 1 Alt. Str.	0.00	Fair a.m. Cloudy p.m.
3	...	3 Cir. & Cir. Str.	2 Cum. & Cum. Str.	3 Cum. & Cum. Str.	0.00	Fine a.m. Fair p.m.
4	2 Cir. & Cir Str.	...	1 Cum.	8 Cum. 2 Cum. Str.	0.00	Fine a.m. Cloudy p.m.
5	...	1 Cir. & Cir. Str.	1 Cum.	4 Cum. & Cum. Str. 3 Alt. Str.	0.00	Fine a.m. Cloudy p.m.
6	...	1 Cir.	...	2 Cum. & Cum. Str.	0.00	Fine a.m. Fair p.m.
7	...	1 Cir. & Cir. Str.	...	8 Cum. & Str. 1 Alt. Str.	0.00	Fine a.m. Cloudy p.m.
8	...	1 Cir. & Cir. Str.	...	7 Cum. & Cum. Str. 1 Niro.	0.03	Fine a.m. Cloudy p.m. Thunder to N. at 3.10 p.m. Rain at 4.45 to 4.55 p.m.
9	...	1 Cir. & Cir. Str.	1 Cum. & Str.	7 Cum. & Cum. Str.	0.00	Fair a.m. Cloudy p.m. Thunder to N.E. Rain at 11.25 a.m. Thunder to N with Lightning at 5 p.m. Rain not measurable.
10	1 Cir.	...	2 Cum. & Str. 71 Alt. Str.	2 Cum. & Str. 8 Alt. Str.	0.00	Cloudy with rain from E.S.E. about 8.40 a.m. and at 5.10 p.m. Rain not measurable.
11	4 Cir.	1 Cir. & Cir. Str.	3 Cum. & Cum. Str. 3 Alt. Str.	8 Cum. & Cum. Str.	0.00	Cloudy.
12	3 Cir. & Cir. Cum.	1 Cir. & Cir. Str.	5 Cum. & Cum. Str.	1 Cum.	0.00	Fair a.m. Fine p.m.
13	...	3 Cir. & Cir. Str.	6 Cum. & Cum. Str. 2 Alt. Str.	2 Cum. N.	0.00	Cloudy a.m. Fine p.m.
14	1 Cir. & Cir. Str.	2 Cir. & Cir. Str.	2 Cum. & Str. 1 Alt. Str. W.	6 Cum. & Cum. Str.	0.00	Fine a.m. Cloudy p.m.
15	1 Cir. & Str.	...	1 Cum. N.E.	4 Cum.	0.00	Fair.
16	...	1 Cir. & Cir. Str.	1 Cum. N.E.	1 Cum. N.	0.00	Fine.
17	1 Cir. & Str.	...	1 Alt. Str.	2 Cum. & Str.	0.00	Fair a.m. Fine p.m.
18	...	3 Cir. & Cir. Str.	1 Cum. & Str.	3 Cum. & Cum. Str.	0.00	Fine a.m. Fair p.m.
19	3 Cir. & Cir. Str. W.	...	2 Cum. & Cum. Str. S.E.	2 Cum. 5 Alt. Str.	0.00	Fair a.m. Cloudy p.m.
20	...	...	3 Cum. & Cum. Str. 7 Alt. Str.	2 Cum. & Cum. Str. 8 Alt. Str.	0.14	Cloudy. Squall from S. E. 1.15 a.m. to 1.45 a.m.
21	1 Cir.	...	2 Cum. & Str. 7 Alt. Str.	3 Cum. & Cum. Str. 7 Alt. Str.	0.00	Cloudy Thunder at 4.15 a.m. Rain about 4 a.m.
22	...	...	1 Cum. S.W.	1 Cum. & Cum. Str. N.E.	0.00	Fine.
23	...	...	...	1 Cum. & Str. S.W.	0.00	Fine.
24	...	...	10 Alt. Str.	2 Cum. & Str. N. 8 Alt. Str.	0.00	Cloudy.
25	...	1 Cir. & Cir. Str.	6 Cum. & Cum. Str.	7 Cum. & Cum. Str. 1 Alt. Str.	0.00	Cloudy.
26	...	1 Cir. Cum.	2 Alt. Str. S. 1 Cum. & Str.	1 Cum. & Cum. Str. N.W.	0.00	Fine.
27	...	...	...	1 Cum. N.	0.00	Fine.
28	...	1 Cir. & Cir. Str.	...	1 Cum.	0.00	Fine.
29	1 Cir. & Cir. Str.	1 Cir. & Cir. Str.	1 Cum. S. 5 Alt. Str.	1 Cum. & Cum. Str.	0.00	Cloudy a.m. Fine p.m.
30	...	2 Cir. & Cir. Str.	1 Cum. N.	4 Cum. & Cum. Str. 3 Alt. Str. N.W.	0.00	Fine a.m. Cloudy p.m. Thunder to N. with rain at 2.15 p.m.
Means.	7 o/o	10 o/o	32 o/o	52 o/o		Fair.
Total					0.32	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.					Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.	
King's House ...	400	75.2	87.2	91.5	68.1	23.4	71.4	77.3	87	72	96	22*	63	3	53	0.45
Castleton Gardens ...	580	72.7	85.0	89.3	67.7	21.6	69.7	73.1	90	69	92	13†	64	30	28	3.73
Hope Gardens ...	600	74.7	85.6	89.2	69.7	19.5	71.6	74.5	90	70	94	16&26	63	10	31	1.69
Stony Hill Reformatory ...	1,400	73.1	81.7	84.6	68.2	16.4	69.4	73.9	88	76	90	16	66	1	24	1.62
Cinchona Plantation ...	4,907	62.8	66.8	70.6	58.6	12.0	56.8	61.0	80	81	74	7†	56	1	18	5.70

* also 26 & 27.

† also 6 other days.

‡ also 4 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:—

	JUNE.	
	1895.	Average.
Infantile diseases not otherwise specified	20	16
Lung diseases	22	14
Fever and Malaria	10	9
Dysentery and Diarrhoea	15	11
Various	73	54
Total	140	104

Of the various 3 were due to Influenza.

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials
		Max.	Min.				
1895.		°	°	°	in.		
January 31st	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W.H.
February 28th	1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	W.H.
April 1st	11.30 a.m.	65.9	40.8	57	4.40	Cloudy.	W.H.
April 30th	5 p.m.	68.9	41.8	...	20.07	Fine and clear.	D.H.
May 31st	3.45 p.m.	62.9	45.8	53	15.20	Heavy rain; very cold.	W.W.
June 30th	8 a.m.	67.9	46.8	52	4.60	Heavy mist.	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR MAY, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	JUNE.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Hordley	3.99	1.63	19	8	15.06
Manchioneal	12.14	3.65	11	14	...
Bath P. W. D.	7.05	2.10	20	16	...
Boston	...	...	...	...	18.83
Port Antonio P. W. D.	9.87	2.22	30	15	19.41
Fellowship P. W. D.	12.89	3.16	19	15	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Shrewsbury P. W. D.	10.79	4.60	20	13	...
Cedar Valley P. W. D.	6.67	1.52	19	11	...
Cinchona Plantation	5.70	3.20	1	9	8.13

CINCHONA PLANTATION.

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

Barometric pressure	7 a.m.	25.998
" "	3 p.m.	25.392
Temperature—		
6 feet underground	7 a.m.	60.7
" "	3 p.m.	60.7
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		89.7

NORTH-EASTERN DIVISION, contd	JUNE.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Buff Bay P. W. O.	4.36	1.81	30	8	...
Cold Spring	1.12	.75	8	3	...
Hardware Gap	3.15	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	1.57	.90	19	3	...
Stony Hill Refty	1.62	.65	8	5	8.15
Belle Vue	...	...	...	...	...
Castleton Gardens	3.73	1.50	5	7	10.56
Lawrence's Tavern P. W. D.	4.15	1.37	8	2	...
Albany P.W.D.	2.37	.77	19	5	...
Quebec	1.63	.64	10	4	8.13
Richmond P. W. D.	2.31	1.10	19	5	...
Highgate P. W. D.	3.62	1.09	19	5	...
Gayle	6.40	...	...	9	9.27
Gayle P. W. D.	6.21	1.40	4	11	...
Rio Hoe	1.72	.88	5	4	11.38
Unity Valley	1.97	1.60	4	7	8.71
Moneague P. W. D.	2.46	1.09	6	5	...
Claremont	1.90	1.20	10	3	...
Albion	2.81	.80	9&19	9	6.50
Averham Park	1.93	.62	19	5	9.08
Ballintoy	1.29	.60	1	5	...
Means	3.76	...	...	...	10.40

NORTHERN DIVISION	JUNE.					NORTHERN DIVISION contd.	JUNE.						
	Total	1895.					Total	1895.					
		Fall	Greatest fall in 24 hours.		Days on which .01 or more fell.			Average.	Fall.	Greatest fall in 24 hours.		Days on which .01 or more fell.	Average.
			Amount.	Date.						Amount.	Date.		
In.	In.				in.	in.							
Port Maria P. W. D.	1.65	.94	30	5	8.01	Kew	...	...	...	8.41	
Drax Hall	.58	.20	19	3	4.97	Lucea P. W. D.	4.04	2.00*	5	9			
St. Ann's Bay P.W.D.	1.22	.48	10	5	...	Thornhill, Lucea	...	...	...	...
Seville	...	...	...	...	5.89	Haughton Court	...	...	...	9.30	
Richmond Estate	1.22	.72	19	3	6.80	Orange Cove	...	...	...	7.75	
Llandoverly	1.10	1.10	10	1	5.87	CENTRAL SUB-DIVISION—							
Southfield	...	...	...	...	...	Headworks, R. C. C	1.64	...	...	2	8.09
Brown's Town P.W.D.	4.68	...	...	5	...	Linstead P. W. D.	4.33	2.51	30	6	8.85
Home Castle	3.36	1.04	19	6	4.77	Point Hill, P.W.D.	5.16	1.94	1	6	...		
Richmond Pen	2.02	1.05	4	5	5.87	Harker's Hall P.W.D.	2.67	1.07	30	5	...		
Mahogany Hall	4.16	2.16	19	7	5.16	Chapelton P. W. D.	6.70	2.30	1	8	7.66		
Braco	1.78	.98	10	6	3.35	Danks-Savoy	...	...	...	...	...
Arcadia	1.69	.79	10	6	5.14	Cave Valley	3.23	.72	7	12	7.71		
Arcadia Great House	1.42	.50	10	6	...	Means	2.20	...	...	...	5.36
Harmony Hall	...	...	...	...	2.75	WEST CENTRAL DIVISION.					
Lancaster	1.83	1.05	10	3	3.33	Farm Plantation.	5.58	2.10	9	8	11.84		
Vale Royal	2.90	1.00	6	5	4.39	Brokenhurst Plantation	4.55	2.10	1	7	18.63		
Colchis Pen	3.09	1.11	14	6	5.46	Christiania P. W. D.	6.15	1.50	11	6	...		
Hyde	1.10	.48	19	5	5.66	Kendal P. W. D.	3.88	1.03	8	9	...		
Georgia	2.60	1.30	10	3	3.69	Mandeville P. W. D.	3.40	.90	11	7	6.46		
Steelfield	2.78	1.35	6	5	4.00	Marshalls Pen	...	...	...	...	6.69
Oxford	2.65	1.30	6	4	5.12	Ulster Spring P.W.D.	2.10	.70	4	9	...		
Cambridge	2.03	.78	6	4	5.27	Troy	4.21	1.45	7	6	...		
Dry Valley	...	...	...	...	...	Windsor Pen	2.55	.84	10	4	12.84
Lottery	2.70	1.60	9	4	4.05	Balaclava P. W. D.	1.38	.52	7	4	...		
Falmouth	1.70	...	...	...	2.41	Elim	...	.33	26	3	...
Falmouth P. W. D.	.78	.46	6	4	...	Appleton	1.95	.90	30	5	8.77		
Fontabelle	3.20	1.00	10	6	...	Magotty P.W.D.	2.40	.68	30	8	...		
Holland Pen	1.03	.47	6	7	4.45	Spring Vale	11.50	4.00	5	10	11.30		
Pembroke	...	...	...	...	4.78	Maroon Town	...	...	...	...	13.51
Golden Grove	1.65	.50	14*	4	6.02	Kempshot	3.03	.95	29	10	9.77		
Green Park	1.57	.60	6	6	3.78	Kepp	5.53	2.18	9	10	8.48		
Tilston	.60	...	...	...	5.44	Kew Park	7.85	2.43	28	14	8.99
Weston Favell	2.49	.80	30	6	8.29	Mount Carey	1.77	.70	29	6	...		
Orange Valley	2.24	.90	6	3	3.33	Windsor Forest	...	...	...	...	9.55
Kent	2.15	.62	6	4	3.80	Chester Castle	...	...	...	...	8.93
Dundee	.77	.39	6	3	4.47	Darliston P. W. D.	5.87	1.91	12	12	...		
Phoenix	...	...	...	...	8.93	Whithorn, P. W. D.	6.08	1.48	14	11	...
Gale's Valley	1.20	...	...	...	6.87	New Galloway	6.00	1.29	14	8	...
Greenwood	.95	.59	6	2	3.82	Lethe Bridge	2.81	.65	9	13	...		
Canaan	1.32	.48	6	3	...	Copse	4.55	1.50	6	7	8.50		
Content	...	...	...	...	...	Cacoen Castle	2.01	.44	9	8	9.48
Bellfield	...	...	...	...	...	Golden Grove	...	...	...	...	11.30
Guilbro'	3.25	.63	5	8	8.05	Great Valley	4.35	.98	7	...	...
Tryall	.00	...	...	0	...	Brownsville	7.42	1.94	5	16	...
Leogau	...	...	...	...	4.73	George's Plain Estate	5.57	1.88	14	10	...
Cinnamon Hill	.20	.20	9	1	3.94	Fontabelle	6.60	2.57	14	16	10.30		
Rose Hall	.25	.25	9	1	4.18	Morgans Bridge PWD	6.61	1.67	14	16	...		
Running Gut	.05	.05	19	1	2.84	King's Valley	10.25	3.00	9	11	12.17		
Spring	1.10	...	...	...	...	Abingdon	10.83	3.45	5	9	12.17
Ironshore	1.40	...	...	...	4.43	Means	2.67	...	...	...	4.95
Friendship	...	...	...	...	...			
Providence	...	...	...	...	4.34						
Montego Bay P. W. D.	4.74	1.90	20	9	6.18								
Catherine Hall	6.25	2.60	19	9	6.41								
Catherine Mount	...	...	...	...	6.82						
Fairfield	4.96	2.15	19	7	8.27								
Anchovy	...	...	...	...	8.63						
Eden	...	...	...	...	8.07						
Wiltshire	...	...	...	...	6.62						
Round Hill	2.50	1.20	6	10	6.94								
Flint River	...	...	...	...	...			
Tryall	...	...	...	...	...			
Sandy Bay P. W. D.	2.16	...	...	6	...						

* and 19.

* In 1 hr. 45 min.

SOUTHERN DIVISION.	JUNE.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which .01 or more fell.	
		Amount.	Date.		
	in.	in.			in.
Morant Point L. H.	6.39	3.48	1	13	7.70
Morant Bay, P. W. D.	7.71	1.95	20	18	...
Lyssons	...	...	...	...	...
Easington P. W. D.	3.61	.95	19	11	...
Abbey	8.06	1.90	9	11	14.9
Bull Bay P. W. D.	1.25	1.25	21	1	...
Gordon Town	1.20	.32	8	5	...
Hope Gardens	1.69	.80	1	5	6.18
Hope Reservoir	...	...	...	...	...
Cherry Garden	...	...	...	...	10.09
King's House	.45	.45	20	1	7.43
Cavaliers	...	...	...	...	...
Shortwood	.82	.37	8&19	4	...
Constant Spring	...	...	...	...	...
Monaltrie	1.81	1.15	1	5	5.33
Halfway-Tree P.W.D.	.35	.35	20	1	...
Camperdown	.42	.22	16	...	...
Public Works Office Kn	.32	.15	1	3	4.41
Plumb Point L. H.	.66	.32	19	4	4.74
Port Royal	...	...	...	...	...
Ferry P. W. D.	.26	.15	18	2	...
Spanish Town P.W.D	.68	.25	1	5	5.93
Windsor Park	...	...	...	...	6.85
Hog Hole Pen P.W.D.	1.15	.85	8	2	6.92
Old Harbour P.W.D.	2.79	1.65	8	4	9.62
Somerset Hall	1.1	.81	1	3	...
May Pen P. W. D.	2.58	.75	10	8	...
Hermitage	3.20	2.19	10	6	...
Denbigh	...	...	...	...	4.86
Yarmouth P.W.D.	1.44	.54	2	3	...
Victoria Town	2.20	1.10	9	3	...
Stone's Hope	4.05	1.10	8	8	12.70
Newport P. W. D.	2.54	.70	10	6	...
Alligator Pond P W D	2.32	1.00	20	4	...
Potsdam	.72	.27	8	4	9.63
Long Hill	2.73	2.00	8	5	7.27
Pepper	1.73	1.65	8	2	5.47
Torrington P. W. D.	1.27	.86	8	5	...
Bethlehem	1.32	.43	19	5	...
Santa Cruz P.W.D	1.80	.90	25	2	...
Holland	.52	.52	1	1	...
Black River P. W. D.	.72	.61	8	2	3.92
Whitehall	.78	...	...	...	...
Font Hill	...	...	...	...	...
Grand Vale	...	...	...	...	...
Peter's Ville	3.54	1.14	14	7	...
Mount Edgecombe	2.82	.92	9	10	7.01
Sweet River	3.59	.82	14	10	6.89
Windsor, Sav.-la-Mar.	3.25	1.20	14	10	6.74
Sav.-la-Mar P. W. D.	2.39	1.12	14	8	...
Retreat	2.30	.75	25	6	...
Negril Pt. Lighthouse	3.08	.94	14	10	...
Means	2.42	...	...	...	7.38

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	JUNE.	
	1895.	
	In.	In.
North Eastern Division	3.76	10.40
Northern "	2.20	5.36
West Central "	2.67	4.95
Southern "	2.42	7.38
Means	2.76	7.02

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.

JUNE.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean Sea-level 6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	Phase of Moon, &c.
Day.	In.	In.	In.	In.	
1	24.0	21.0	22.2	3.0	Decl. 0°
4	23.0	19.8	21.3	3.2	
6	22.8	18.8	20.3	4.0	
7	20.4	18.8	20.6	4.6	Full Moon.
8	21.0	18.6	20.3	4.4	Decl. 28° S.
10	26.4	21.2	23.6	5.2	
11	26.8	21.8	24.1	5.0	
12	26.0	21.4	23.7	4.6	
13	25.6	21.4	23.4	4.2	Apogee.
14	24.8	22.0	23.5	2.8	
15	25.0	22.2	23.4	2.8	Last Q.
					Decl. 0°
17	23.2	21.2	22.1	2.0	
18	23.0	20.8	21.8	2.2	
19	23.0	20.0	21.5	3.0	
20	23.0	19.6	21.1	3.4	
22	24.8	18.8	21.6	6.0	New Moon
					Decl. 28 N.
24	26.6	20.2	23.1	6.4	
25	26.4	22.6	24.2	3.8	Perigee.
26	28.0	23.8	24.9	4.2	
27	26.6	24.0	25.1	4.6	
28	26.8	23.2	24.5	3.6	Decl. 0°
29	27.6	23.0	24.6	4.6	First Q.
Means	25.7	21.1	22.8	4.6	

The following notes have come to hand :-

N. E. Div. *Gayle*—Light showers; strong winds; heavy squall on 30th, 3 p.m.

Bio Hoe.—Very dry this month . . . strong winds constantly.

Albion.—Pastures green—but ponds dry or very low.

N. Div. *Mahogany Hall*.—The rainfall of 19th was in less than an hour and a half and attended by a very high wind.

Georgia.—No rain at all since the 10th.

Green Park.—No rain since 19th, vegetation beginning to show want of it.

W. C. Div. *Farm*.—Last three weeks dry, strong breeze.

Brokenhurst.—Very hot sun and continued high winds.

Mandeville.—Strong breeze on night of 7th.

Windsor Pen.—Smallest rainfall for June on record.

Elim.—For the past five years I have never experienced such a dry month.

Appleton.—This is the smallest rainfall ever recorded for June at Appleton.

Spring Vale.—The four inches rainfall of 5th fell in 2 hours; 9.43 inches fell between 5th and 10th; the weather has been very hot and dry.

Fontabelle.—Weather very warm and sultry.

S. Div. *The Abbey*.—Had very high winds greater part of month. Heavy storm of wind and thunder on 30th June.

Stone's Hops.—The driest half year since 1890, the fall for the first six months of the year being then 14.8 and this year 19.82. The average fall in the first six months for the last 19 years 36.47.

Potsdam.—Very high winds.

Pepper.—Hardly any rain the whole month. On the 8th 1.65 parts, one continuous blow the whole time, a parching South Easterly breeze, frequently causing alarm. Water getting a very scarce article, both for man and beast.

Mount Edgcombe.—The rain has been very partial. While parts of this property to the S.E. show slight signs of drought, others to the N.W. are green and flourishing with good rains.

Retreat.—Only 13.33 inches rain for the six months; last year 44.81 inches.

FALLS OF HAIL. Kew Park. (J. R. Williams.)—A small cyclone on 28th, commencing with a storm of hail.

Vale Royal. (H. F. Kilburn.)—On the afternoon of the 6th June, between 3 and 4 o'clock, there was a remarkably heavy fall of hail at Vale Royal. It lasted fully half an hour. The stones were the largest I had ever seen, being about $\frac{1}{4}$ in. diameter. On tasting a couple, I found that they were quite salt. Nobody on the Estate can tell me of hail ever having fallen here before.

The greatest monthly fall viz. 12.89 in. was recorded at Fellowship P.W.D. and no rain fell at Tryall in St. James. The greatest fall in 24 hours was 4.00 inches and was recorded at Spring Vale. The greatest number of days on which rain fell at any one place was 18 at Morant Bay P.W.D.

The rainfall for June was very deficient, being only half the average in the N. and W. C. Divisions and less than half the average in the other two, and the further information to hand since the 4th inst. (when the approximate return was made) has thus only tended to confirm the results arrived at on that date, the mean for the island being nearer a third than a half the average. The only place with more than the average fall of rain was Catherine Hall (6.25 as against 6.18).

Below will be found a statement of the Rainfall recorded during this year as compared with the average fall during the months in question. It will be seen that the rainfall for the Island for the half year was four and a half inches less than, or 86 per cent of, the average.

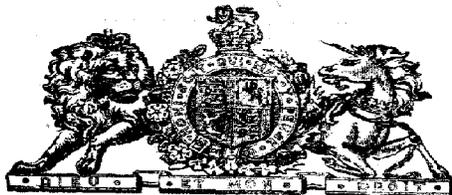
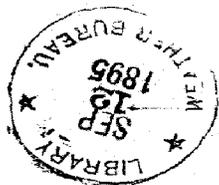
	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.53
March	2.03	3.04
April	5.50	4.43
May	9.33	9.41
June	2.76	7.02
Total	26.17	30.57

ROBT. JOHNSTONE.

17th July, 1895.

ERRATUM—In Weather Report No. 177, the fall for Sav.-la-Mar P.W.D. in November, 1893, is returned as 27.09 inches. This amount should be deleted as well as the remarks based on it.





JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JULY, 1895.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

July 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
In.	In.	°	°	°	°	°	°	°	°	°	°							
1	30.100	30.039	73.4	82.3	82.2	72.7	9.5	71.1	70.6	92	68	NE	1	NE	2	ESE	3	67
2	30.109	30.022	77.1	88.3	89.8	75.0	14.8	67.6	71.7	73	58	N	0	ESE	12	SE	6	187
3	30.093	30.041	73.4	84.5	85.9	72.3	16.6	67.4	71.3	69	65	N	1	SE	10	SE	5	122
4	30.080	30.011	76.1	81.7	89.6	72.8	16.8	67.7	68.8	75	54	N	2	SE	5	SE	5	75
5	30.041	29.962	76.7	88.4	89.0	74.8	14.2	69.5	70.2	81	55	N	0	ESE	11	ESE	3	123
6	30.028	29.990	78.4	88.2	89.3	72.6	17.8	69.3	73.2	74	61	N	0	SE	10	SE	5	141
7	30.033	29.988	75.7	88.1	89.6	73.0	16.6	67.0	71.0	67	57	N	1	SE	9	SE	5	117
8	30.018	29.984	80.8	86.7	88.5	72.5	16.0	69.5	70.1	69	58	N	0	SE	12	SE	5	117
9	30.074	30.002	75.7	88.5	89.9	73.8	16.1	69.2	69.3	73	54	N	1	SE	9	SE	4	101
10	30.092	30.015	78.9	88.4	89.9	73.5	16.4	68.0	70.2	70	55	N	1	SE	7	SE	5	111
11	30.065	30.016	77.3	85.3	88.3	72.7	15.6	67.8	67.3	73	55	E	1	NE	4	SE	5	111
12	30.048	29.994	77.4	81.2	89.1	71.4	18.7	65.3	75.0	66	64	N	1	E	5	SE	5	119
13	30.081	30.000	76.4	86.4	90.2	71.3	18.4	68.0	67.6	75	51	N	1	E	10	SE	4	96
14	30.052	30.002	79.3	85.6	89.2	73.4	15.3	69.3	70.1	72	61	N	0	SE	11	SE	5	118
15	30.043	29.986	75.4	84.3	90.5	73.0	17.5	68.6	70.4	72	63	N	1	SSE	14	ESE	6	134
16	30.038	29.986	79.0	89.5	90.1	71.5	18.6	66.2	69.6	65	52	N	2	SSE	8	SE	5	118
17	30.067	29.960	79.0	89.5	91.5	73.9	17.6	70.2	73.0	75	59	N	2	SE	12	SE	6	144
18	30.018	30.023	78.4	83.1	89.5	74.0	16.5	70.1	68.6	76	62	N	0	SE	11	SE	4	107
19	30.066	29.997	74.4	89.1	89.6	71.7	17.9	68.5	70.0	82	54	N	0	E	5	ESE	4	100
20	30.063	30.081	75.4	84.2	89.1	72.1	17.0	67.5	67.4	76	57	N	0	SE	6	SSE	4	99
21	30.060	30.017	78.6	86.1	89.4	73.8	15.6	68.8	68.3	72	67	N	1	SE	8	SE	4	84
22	30.077	30.039	73.1	89.4	90.6	73.0	17.6	66.8	79.9	68	74	N	1	SE	14	SE	6	121
23	30.099	30.031	73.3	88.9	91.9	74.3	17.6	68.8	69.8	68	53	N	0	SE	13	SE	6	156
24	30.109	30.007	79.4	89.1	91.7	73.6	18.1	67.6	72.0	67	57	N	0	SE	11	SE	4	104
25	30.063	29.978	79.1	91.2	92.8	74.5	18.3	68.3	70.6	70	51	N	0	SE	13	ESE	6	143
26	30.022	29.965	80.1	88.4	91.9	74.3	17.6	69.0	71.8	69	58	N	0	SE	14	SE	6	143
27	30.063	30.011	80.4	89.0	90.6	74.4	16.2	69.1	72.4	69	58	N	0	SE	13	SE	6	163
28	30.117	30.026	77.7	85.4	89.9	73.4	16.5	67.7	73.4	71	68	N	0	SE	9	SE	5	116
29	30.039	29.984	77.4	85.5	89.6	74.3	15.3	68.9	72.0	75	64	N	0	S	6	SE	3	82
30	29.958	29.984	76.4	81.2	88.8	74.0	14.8	69.9	73.6	80	76	N	0	E	5	SE	4	94
31	30.026	30.014	75.6	85.4	91.4	74.0	17.4	68.1	70.5	78	61	N	1	SE	11	SE	4	143
Means.	30.059	30.004	77.7	86.8	89.8	73.3	16.5	68.4	71.0	73	60	N	.4	SE by E	9.4	SE	4.8	115.8

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

July. 1896.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	...	2 Cum. & Cum. Str.	2 Cum. & Cum. Str.	Ins. 0.08	Cloudy. Rain at 4.45 a.m. Thunder SE at 8.35 a.m. Rain at 8.55 a.m.
2	2 Cir. & Cir Str.	...	7 Alt. Str.	6 Alt. Str.	0.00	Cloudy a.m. Fine p.m.
3	...	1 Cir. & Cir. Str.	6 Cum. & Cum. Str.	1 Cum. & Cum. Str.	0.00	Fine a.m. Cloudy p.m.
4	...	1 Cir. & Cir. Str.	1 Cum. Str.	4 Cum. & Cum. Str.	0.00	Cloudy a.m. Fair p.m.
5	3 Cir. & Cir. Str.	1 Cir. & Cir. Str.	3 Cum. & Cum. Str.	3 Cum. & Cum. Str.	0.00	Cloudy a.m. Fair p.m.
6	...	...	4 Cum. & Cum. Str.	5 Cum. & Cum. Str.	0.00	Cloudy a.m. Fair p.m.
7	...	1 Cir. & Cir. Str.	...	4 Cum. & Cum. Str.	0.00	Fine a.m. Fair p.m.
8	1 Cir. & Cir. Str.	3 Cir. & Cir. Str.	1 Cum. Str.	2 Cum. & Cum. Str.	0.00	Fine.
9	2 Cir. & Cir. Str.	...	4 Cum. & Cum. Str.	1 Cum. Str.	0.00	Fair a.m. Fine p.m.
10	...	1 Cir. Str.	2 Cum. Str.	4 Cum. & Cum. Str.	0.00	Fair.
11	...	3 Cir. & Cir. Str.	1 Cum. Str.	5 Cum. & Cum. Str.	0.00	Fine a.m. Thunder to N at 2 p.m. Cloudy p.m. Lightning at 7.45 p.m.
12	3 Cir. & Cir. Str.	1 Cir. & Cir. Str.	1 Cum. Str.	3 Cum. & Cum. Str.	0.00	Fine a.m. Drizzle at 11.10 a.m. Thunder to N at 12.15. Cloudy p.m. Rain squall at 9 p.m., not measurable
13	2 Cir.	1 Cir. & Cir. Str.	1 Cum.	2 Cum. Str.	0.19	Fair a.m. Rain at 11.30 a.m., and at 12.35. Cloudy p.m. Rain at 2.10 p.m. Thunder to N at 3.50 p.m.
14	1 Cir. Str.	...	1 Cum. Str.	2 Cum.	0.00	Cloudy a.m. Fair p.m.
15	4 Cir. & Cir. Str.	2 Cir. & Cir. Str.	6 Alt. Str.	3 Cum. Str.	0.00	Fine a.m. Fair p.m.
16	...	...	1 Cum. Str.	2 Alt. Str.	0.00	Fair a.m. Cloudy p.m. Thunder to NW at 2.25 p.m.
17	...	...	1 Cum.	1 Cum.	0.00	Fine a.m. but hazy at 3 p.m.
18	1 Cir. Str.	...	1 Str. Cum.	4 Cum. Str.	0.00	Fine a.m. but hazy Fair p.m.
19	...	...	9 Cum. Str.	1 Cum. Str.	0.08	Fair a.m. Cloudy p.m. Rain at 10.15 a.m. and at 2.50 p.m.
20	...	2 Cir. Str.	1 Cum.	1 Cum.	0.00	Cloudy a.m. Fine p.m., but hazy
21	1 Cir. Str.	1 Cir. Str.	1 Cum. Str.	5 Cum. Str.	0.00	Cloudy. Rain at 8.50 a.m., not measurable
22	...	...	1 Cum. Str.	1 Cum.	0.00	Fair a.m. Fine p.m.
23	4 Cir. Str.	1 Cir. Str.	1 Cum. Str.	1 Cum. Str.	0.00	Fine a.m. but hazy Fine p.m.
24	...	1 Cir. Str.	4 Alt. Str.	4 Cum.	0.00	Cloudy a.m. Fair p.m.
25	1 Cir. Cum.	...	1 Cum. Str.	3 Cum. Str.	0.00	Fine a.m. but hazy. Fine p.m.
26	...	...	1 Cum. Str.	1 Cum. Str.	0.00	Fine.
27	...	...	...	1 Cum. Str.	0.00	Fine a.m.; but hazy. Fine p.m.
28	...	2 Cir. Str.	...	1 Cum.	0.00	Fine.
29	4 Cir. & Cir. Str.	2 Cir. & Cir. Str.	1 Cum. Str.	3 Cum.	0.00	Fine but hazy a.m. Cloudy p.m.
30	...	...	2 Cum.	3 Cum. & Cum. Str.	0.00	Fair a.m. Cloudy p.m.
31	1 Cir. Str.	1 Cir. & Cir. Str.	1 Cum.	9 Cum. & Cum. Str.	0.03	Fair a.m. Thunder at 12.50 to N Cloudy p.m. Rain at 2.35 p.m.
Means.	10 o/o	8 o/o	26 o/o	38 o/o	0.13	Fine a.m. Cloudy p.m. Thunder to N at 2.15 p.m. Rain at 3.40 p.m. to 4 p.m. Thunder at 5.5 p.m.-S.E., with lightning
Total					0.51	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.								EXTREMES FOR THE MONTH.					Total Rainfall.	
		Temperature.					Dewpoint.		Humidity.		Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.		Range.
King's House	400	74.7	85.9	92.5	68.1	24.4	70.2	78.8	84	88	97	22	64	16	33	0.13
Castleton Gardens	580	70.4	84.2	89.3	67.1	22.2	69.1	78.4	96	69	91	16*	64	20	27	3.29
Hope Gardens	600	78.8	86.2	90.3	69.2	21.1	70.6	77.2	90	73	96	27	62	13	34	2.37
Stony Hill Reformatory	1,400	72.4	81.4	85.9	67.6	18.3	69.2	73.8	90	78	91	25†	66	6§	25	3.94
Cinchona Plantation	4,007	62.1	65.9	71.6	58.2	13.4	55.2	61.0	77	83	76	27‡	56	6&19	20	1.56

* and 4 other days.

† also 26 & 27

‡ and 28

§ and 5 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:—

	JULY.	
	1895.	Average.
Infantile diseases not otherwise specified ...	7	18
Lung diseases ...	23	18
Fever and Malaria ...	8	11
Dysentery and Diarrhoea ...	6	7
Various ...	63	57
Total	107	111

Of the various I was due to Influenza.

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

CINCHONA PLANTATION.

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

		in.
Barometric pressure	7 a.m.	25.408
" "	3 p.m.	25.405
Temperature—		
6 feet underground	7 a.m.	62.3
" "	3 p.m.	62.3
Direction of the wind	...	South Easterly
Velocity of the wind in miles per day		41.4

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials.
		Max.	Min.				
1895.		°	°	°	in.		
January 31st	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th	1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	W. H.
April 1st	11.30 a.m.	63.9	40.8	57	4.40	Cloudy.	W. H.
April 30th	5 p.m.	68.9	41.8	...	20.07	Fine and clear.	D. H.
May 31st	3.45 p.m.	62.9	45.8	53	15.20	Heavy rain; very cold.	W. W.
June 30th	8 a.m.	67.9	46.8	52	4.60	Heavy mist.	W. H.
July 31st	12.30 p.m.	64.9	44.8	56	3.10	Fine a.m.; rain p.m.	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR JULY, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	JULY.				Average.
	Total Fall.	1895.			
		Greatest fall in 24 hours.	Amount.	Date.		Days on which .01 or more fell.
	in.	in.			in.
Hordley	6.75	2.80	11	9	7.88
Mansionéal	9.87	1.30	31	15	...
Bath P. W. D.	8.65	1.40	11	27	...
Boston	...	...	...	...	...
Port Antonio P. W. D.	...	...	...	...	9.68
Fellowship P. W. D.	15.14	2.30	20	19	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Shrewsbury P. W. D.	9.76	4.13	1	18	...
Cedar Valley P. W. D.	3.31	.74	31	14	...
Cinchona Plantation	1.55	.40	2	10	3.90

NORTH-EASTERN DIVISION, contd	JULY.				Average.
	Total Fall.	1895.			
		Greatest fall in 24 hours.	Amount.	Date.		Days on which .01 or more fell.
	in.	in.			in.
Buff Bay P. W. D.	5.47	3.06	1	15	...
Cold Spring	2.13	1.00	1	4	...
Hardware Gap	.55	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	6.70	5.35	1	6	...
Stony Hill Refty	3.94	1.25	13	9	5.48
Belle Vue	...	...	...	...	...
Castleton Gardens	3.29	.90	8	15	6.38
Lawrence's Tavern P. W. D.	1.72	1.08	8	8	...
Albany, P.W.D.	6.49	5.00	1	8	...
Quebec	...	...	...	...	2.47
Richmond P. W. D.	3.82	1.30	8	9	...
Highgate P. W. D.	2.34	.85	1	9	...
Gayle	1.95	.50	...	4	2.20
Gayle P. W. D.	2.73	1.00	8	9	...
Rio Hoe	3.22	.64	8	9	5.43
Unity Valley	3.93	1.10	20	14	6.07
Moneague P. W. D.	3.93	.90	16	12	...
Clairemont	4.32	.75	30	10	...
Albion	5.89	1.51	15	16	4.23
Averham Park	3.47	1.29	30	11	4.12
Ballintoy	3.58	1.05	11	13	...
Means	4.42	...	...	...	5.54

NORTHERN DIVISION	JULY.					NORTHERN DIVISION contd.	JULY.				
	Total Fall	1895.		Days on which .01 or more fall.	Average.		Total Fall	1895.		Days on which .01 or more fell.	Average.
		Greatest fall in 24 hours.						Greatest fall in 24 hours.			
		Amount.	Date.					Amount.	Date.		
	In.	In.		in.		in.	in.				
Port Maria P. W. D.	4.86	3.38	1	8	2.58	Kew	...	...	...	5.26	
Drax Hall	3.34	1.48	30	8	2.61	Lucea P. W. D.	4.63	...	14	...	
St. Ann's Bay P.W.D.	3.48	1.46	30	10	...	Thornhill, Lucea	...	...	...	...
Seville	...	...	...	...	2.17	Haughton Court	...	...	...	5.75	
Richmond Estate	2.51	1.02	30	5	1.81	Orange Cove	...	...	...	5.45	
Llandovery	1.42	.62	30	5	1.63	CENTRAL SUB-DI- VISION—					
Southfield	...	...	...	...	...	Headworks, R. C. C	...	...	...	4.87	
Brown's Town P.W.D.	1.71	...	...	5	...	Linstead P. W. D.	5.21	1.85	15	10	5.80
Home Castle	1.65	.67	21	4	2.03	Point Hill, P.W.D.	...	...	...	...
Richmond Pen	3.77	.95	15	7	2.48	Harker's Hall P.W.D.	...	...	...	...
Mahogany Hall	4.56	1.38	15	9	4.41	Chapelton P. W. D.	4.30	1.35	30	6	4.08
Braco	1.10	.70	15	3	2.15	Danks-Savoy	...	...	...	...
Arcadia	2.69	1.27	15	7	2.13	Cave Valley	3.68	1.07	8	12	5.01
Arcadia Great House	2.88	1.00	15	7	...	Means	2.78	...	...	...	2.94
Harmony Hall	...	...	...	...	1.63	WEST CENTRAL DIVISION.					
Lancaster	2.23	1.60	15	3	2.22	Farm Plantation	2.28	.68	29	6	5.56
Vale Royal	5.55	2.40	15	9	3.08	Brokenhurst Planta- tion	3.97	1.50	1	10	7.68
Colchis Pen	4.04	3.00	15	3	3.07	Christiania P. W. D.	1.90	.65	15	5	...
Hyde	4.22	2.40	15	6	5.27	Kendal P. W. D.	2.08	.77	9	6	...
Georgia	3.09	.75	15	8	2.55	Mandeville P. W. D.	3.83	1.25	29	10	6.08
Steelfield	4.07	1.20	15	8	2.93	Marshalls Pen	...	...	...	...
Oxford	3.25	1.15	29	7	2.42	Ulster Spring P.W.D.	4.75	.85	30	15	...
Cambridge	2.66	.77	15	10	3.28	Troy	...	...	...	...
Dry Valley	...	...	...	...	...	Windsor Pen	7.64	2.60	10	13	7.73
Lottery	2.01	.48	15	9	2.34	Balaclava P. W. D.	3.31	1.44	12	8	...
Falmouth	.70	...	...	...	1.75	Elim	1.48	.69	30	4	...
Falmouth P. W. D.	.52	.30	21	3	...	Appleton	6.94	1.54	14	11	6.72
Fontabelle	5.70	1.15	11	15	...	Magotty P.W.D.	5.83	2.06	10	15	...
Holland Pen	2.10	.86	30	7	1.97	Spring Vale	6.20	.75	10	19	7.86
Pembroke	...	...	...	...	3.10	Maroon Town	...	...	...	...
Golden Grove	3.50	1.15	20	9	3.46	Kempshot	6.46	2.13	15	13	6.62
Green Park	2.06	.75	30	11	2.06	Kepp	9.30	2.01	9	22	8.39
Tilston	...	...	...	...	3.32	Kew Park	16.83	1.98	29	20	10.58
Weston Favell	3.33	.70	30	10	4.94	Mount Carey	4.42	1.00	18	11	...
Orange Valley	...	...	...	...	1.75	Windsor Forest	...	...	...	...	9.46
Kent	1.50	.92	30	4	1.58	Chester Castle	...	...	...	...	9.38
Dundee	2.13	.70	21&30	9	2.73	Darliston P. W. D.	11.44	1.60	9	21	...
Phoenix	3.95	1.12	21	...	5.34	Whithorn, P. W. D.	14.62	2.29	9	20	...
Gale's Valley	3.10	.70	30	7	4.20	New Galloway	14.49	2.07	9	16	...
Greenwood	.23	.23	15	1	1.38	Lethe Bridge	11.58	2.50	31	16	...
Canaan	1.38	.72	31	4	...	Copse	10.35	1.50	15	18	6.86
Content	...	...	...	...	...	Cacoon Castle	8.05	1.35	15	17	7.81
Bellfield	...	...	...	...	...	Golden Grove	...	...	...	...	8.84
Gullsbro'	2.84	1.10	10	10	4.36	Great Valley	10.89	2.20	7&15	14	...
Tryall	.20	.20	13	1	...	Brownsville	17.08	2.21	7	19	...
Leogan	...	...	...	...	3.02	George's Plain Estate	9.08	1.80	14	16	...
Cinnamon Hill	.92	.60	21	2	.34	Fontabelle	10.96	1.75	9	21	8.65
Rose Hall	.80	.51	21	2	.84	Morgans Bridge PWD	15.77	1.90	11	22	...
Running Gut	.55	.30	13	2	1.02	King's Valley	11.45	3.00	13	21	12.69
Spring	...	...	...	...	...	Abingdon	12.00	1.50	15	19	12.61
Ironshore	...	...	...	...	2.02	Means	8.30	...	...	...	8.27
Friendship	...	...	...	...	...	
Providence	...	...	...	...	1.38						
Montego Bay P. W. D.	1.83	.85	10	5	...						
Catherine Hall	2.40	.65	30	7	3.96						
Catherine Mount	...	...	...	...	4.17						
Fairfield	2.13	.70	10	8	3.97						
Anchovy	...	...	...	...	5.57						
Eden	...	...	...	...	4.65						
Wiltshire	...	...	...	...	6.03						
Round Hill	3.35	1.35	11	9	3.94						
Flint River	...	...	...	...	...	
Tryall	...	...	...	...	4.68						
Sandy Bay P. W. D.	5.19	...	...	8	...						

SOUTHERN DIVISION.	JULY.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which .01 or more fell.	
		Amount.	Date.		
	in.	in.			in.
Morant Point L. H.	4.27	1.56	12	20	2.88
Morant Bay, P. W. D.	6.49	1.34	18	21	...
Lyssons	...	...	...	...	...
Easington P. W. D.	4.37	.85	2	12	...
Abbey	5.60	1.40	1	12	6.45
Bull Bay P. W. D.	1.95	...	...	3	...
Gordon Town	.86	.74	1	2	...
Hope Gardens	2.37	1.28	1	7	3.22
Hope Reservoir	...	...	...	...	...
Cherry Garden	2.08	...	...	9	3.85
King's House	.13	.10	1	2	2.91
Cavaliers	...	...	...	...	...
Shortwood	2.17	.87	12	9	...
Constant Spring	...	...	...	...	...
Monaltrie	1.24	.27	2	11	2.43
Halfway-Tree P.W.D.	.99	.34	1	4	...
Camperdown	.64	.47	1	...	...
Public Works Office Kn	.51	.19	12	5	2.09
Plumb Point L. H.	.46	.29	20	3	2.27
Port Royal	...	...	...	...	...
Ferry P. W. D.	.67	.25	1	6	...
Spanish Town P.W.D.	...	...	...	...	3.00
Windsor Park	...	...	...	...	3.36
Hog Hole Pen P.W.D.	...	...	...	...	3.31
Old Harbour P.W.D.	...	...	...	...	3.30
Somerset Hall	...	...	...	...	...
May Pen P. W. D.	2.83	1.88	12	5	...
Hermitage	1.01	.37	1	5	...
Denbigh	...	...	...	...	...
Yarmouth P.W.D.	.00	...	...	0	...
Victoria Town	1.45	.75	1	3	...
Stone's Hope	2.05	.87	18	9	4.83
Newport P. W. D.	2.24	.60	1	6	...
Alligator Pond P.W.D	.16	.16	1	1	...
Potsdam	1.80	.95	30	3	3.36
Long Hill	...	...	...	...	3.82
Pepper	...	...	...	...	2.57
Torrington P. W. D.	3.01	1.12	30	4	...
Bethlehem	5.06	3.89	12	5	...
Santa Cruz P.W.D	2.93	1.00	29	5	...
Holland	5.71	1.75	8	8	...
Black River P. W. D.	3.33	.73	30	9	4.90
Whitehall	4.84	...	...	...	...
Font Hill	...	...	...	...	...
Grand Vale	...	...	...	...	...
Peter's Ville	3.63	2.15	9	16	...
Mount Edgecombe	8.87	3.43	9	18	6.19
Sweet River	9.31	1.65	14	21	6.39
Windsor, Sav.-la-Mar.	...	...	...	...	7.09
Sav.-la-Mar P. W. D.	8.41	2.34	8	17	...
Retreat	6.99	2.43	14	12	...
Negril Pt. Lighthouse	4.88	.93	5	15	...
Means	2.59	...	...	...	2.76

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)
JULY.

	1895.		Average.
	In.	In.	
North Eastern Division	4.42	5.54	
Northern "	2.78	2.94	
West Central "	8.30	8.27	
Southern "	2.59	3.76	
Means	4.52	5.13	

The following notes have come to hand :—
N. E. Div. *Bio Hoe*.—The weather is still dry only light showers, and strong winds. Much in want of pond rains.

Gayle.—Strong wind. Cloudy. Distant thunder.

N. Div. *Round Hill*.—Slight shock of earthquake at 4 a.m. on Tuesday 9th.

Catherine Hall.—Strong scorching breezes during month.

W. C. Div. *Farm*.—Very high blighting winds for first 28 days.

Brokenhurst.—Plenty of thunder and continued high winds.

Mandeville.—A very hot dry month generally in Manchester.

Elim.—Weather very dry and very hot.

Kepp.—5.63 inches fell on four days 8th, 9th, 10th and 11th.

Kew Park.—A gale of considerable violence on the afternoon of 22nd, lasting about half an hour.

Copse.—The rains began on the 5th and continued daily to the 16th, falling between 1 and 3 p.m. with bright sunshine following in the evening.

S. Div. *The Abbey*.—High winds greater part of month—a good deal of thunder in the distance.

Hermitage.—High winds prevailed nearly the whole month, night and day, they came chiefly from the South to South East.

Stone's Hope.—Average fall for 10 years 6.39 inches. Strong South Easterly winds prevailing scorching up vegetation. Violent thunderstorm on the 30th; cabbage palm struck by lightning. Weather very hot: max. 84° in the shade.

Retreat.—We have had just 32.31 inches less than this time last year, only 29.32 since 1st January.

FALLS OF HAIL. *Magotty*.—On 10th hailstorm and very high breeze.

George's Plain.—A sharp, but short shower of hail fell here early during the afternoon of the 22nd inst. The concretions were mostly of a large size. (*W. Woolscroft*.)

Cherry Garden.—On 10th there was a hailstorm which lasted about 10 minutes—the hailstones being large and laying on the ground so that the servants could scoop them up in their hands. (*Oscar Marescaux*.)

The greatest monthly fall viz., 16.83 in. was recorded at Kew Park and no rain fell at Yarmouth P.W.D. The greatest fall in 24 hours was 5.35 inches and was recorded at Annotto Bay on the 1st. The greatest number of days on which rain fell at any one place was 27 at Bath P.W.D. Sixteen stations had in 24 hours falls of between 2 and 3 inches; six falls of between 3 and 4 inches; one station had between 4 and 5 inches; and two stations had over five inches of rain in twenty four hours.

The remarks made at the time when the approximate means were struck can almost be repeated now. The rainfall for the whole Island for July was fourteen per cent less than the average. The West Central Division had almost exactly the average fall while the Southern had the widest departure from the average with a deficiency of thirty one per cent. The approximation to the average was thus much greater in July than in June. Twenty seven out of the 75 "average" stations had falls of or above the mean.

Below will be found a statement of the Rainfall recorded during this year as compared with the average fall during the months in question. It will be seen that the rainfall for the Island for the seven months was five inches less than, or 86 per cent of, the average.

	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.53
March	2.03	3.04
April	5.50	4.43
May	9.33	9.41
June	2.76	7.02
July	4.52	5.13
Total	30.69	35.70

ROBT. JOHNSTONE.

Kingston, 13th August, 1895.

THE JAMAICA WEATHER SERVICE.

Notice for the Hurricane Season of 1895.

(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 hour of 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, twenty-seven 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 hurricanes 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.

The telegraph clerks may be assured that their services will never be asked for beyond the usual working hours, except when absolutely necessary from a meteorological point of view.

MAXWELL HALL, Govt. Meteorologist.
Montego Bay, July 25th, 1895.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

AUGUST, 1895.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

August 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.				Total miles of wind.		
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
1	30.064	29.992	76.4	86.5	89.1	73.7	15.4	69.0	72.5	78	65	N	1	SE	12	SE	6	136
2	30.028	29.954	77.2	88.4	90.4	71.9	18.5	71.2	71.7	82	51	Z	0	SE	8	SE	4	85
3	29.995	29.926	73.3	87.4	89.2	71.3	17.9	67.2	69.9	81	56	Z	0	SE	12	SE	5	130
4	29.998	29.941	78.4	88.4	89.5	73.4	16.1	68.4	69.6	71	64	NE	1	SE	11	SE	118	
5	30.012	29.980	76.4	86.7	90.2	73.7	16.5	66.1	70.8	73	55	Z	0	SE	11	SE	5	120
6	30.001	29.994	78.5	87.8	90.8	74.8	16.0	68.7	73.7	72	63	E	1	SE	9	SE	5	120
7	29.969	29.905	76.5	89.7	91.0	74.0	17.0	71.1	70.6	83	34	Z	0	S	4	SSE	3	73
8	29.966	29.900	75.2	86.2	87.1	73.0	14.1	65.1	73.0	71	65	Z	0	SE	11	SE	4	92
9	29.990	29.945	75.4	86.6	88.4	74.4	14.0	70.1	73.2	84	55	Z	0	E	10	SE	4	98
10	29.968	29.945	74.4	85.6	87.7	73.1	14.6	68.5	72.7	82	70	Z	0	E	3	ESE	5	86
11	29.947	29.929	75.0	85.4	87.7	72.5	15.2	71.4	73.0	89	57	Z	0	E	9	SE	4	106
12	29.933	29.904	75.5	87.4	89.7	71.8	17.9	60.0	70.2	80	57	N	1	SE	10	SE	4	123
13	29.959	29.934	76.3	85.3	90.1	73.8	16.3	67.4	73.5	74	68	N	1	SE	8	SE	4	92
14	29.995	29.962	76.2	89.0	90.3	73.3	17.0	70.2	67.5	80	51	N	1	SE	18	SE	5	114
15	30.029	30.012	73.5	89.3	89.5	74.0	15.5	66.8	72.2	79	58	Z	0	SE	12	SE	5	124
16	30.049	30.012	73.5	89.3	89.5	74.0	15.5	66.8	72.2	79	58	Z	0	SE	12	SE	5	115
17	30.037	29.980	75.4	88.4	90.4	74.3	16.1	68.5	71.3	79	57	Z	0	SE	18	SE	5	121
18	30.014	29.980	77.1	90.0	90.5	75.2	15.3	67.4	67.0	73	47	N	1	SE	12	SE	5	81
19	30.021	30.018	73.5	76.5	89.5	70.8	18.7	64.4	73.4	78	90	Z	0	N	3	SE	3	76
20	30.025	29.976	72.9	86.8	89.7	70.4	19.3	69.4	74.1	89	66	N	1	SE	7	SSE	2	114
21	29.989	29.942	75.2	89.8	90.2	72.0	18.2	68.5	72.4	80	57	N	1	SE	11	SE	5	84
22	29.971	29.921	73.6	89.8	90.8	72.7	18.1	63.2	76.6	82	65	Z	0	SE	7	SSE	4	101
23	29.976	29.900	73.6	90.0	92.2	73.2	19.0	66.3	71.6	78	55	N	1	S	6	Var.	4	107
24	29.906	29.866	78.4	86.8	90.2	76.8	13.4	73.3	75.1	84	68	Z	0	SE	7	SE	4	108
25	29.931	29.902	76.0	83.7	87.5	73.6	13.9	73.4	75.6	92	77	SE	1	E	9	ESE	4	100
26	29.967	29.932	76.0	82.5	87.9	74.4	13.5	71.2	70.7	85	68	SE	1	E	10	SE	4	107
27	29.955	29.908	79.4	86.6	91.1	73.0	18.1	70.1	75.3	76	69	SE	1	SSE	14	SE	4	121
28	29.987	29.889	75.7	87.7	90.6	73.4	17.2	71.3	73.5	83	63	N	1	SE	12	SE	5	126
29	29.967	29.914	75.8	88.5	90.4	74.6	15.3	70.1	70.9	80	56	Z	0	SE	10	SE	3	69
30	29.971	29.916	74.7	84.4	90.5	72.8	17.7	68.9	75.9	82	76	Z	0	SE	6	SE	3	82
31	29.989	29.930	74.5	84.9	90.1	73.8	16.3	69.3	81.3	83	89	N	1	SE	6	SE	3	
Means.	29.987	29.988	75.6	87.0	89.9	73.3	16.6	68.7	72.5	80	68	N	.5	SE	9.0	SE	4.3	103.1



KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

August 1895.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall, Ins.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	4 Cir. Str.	1 Cum. Str.	3 Cum. & Cum. Str. 1 Alt. Str.	0.00	Fine but hazy a.m. Cloudy p.m.
2	1 Cir. Str.	3 Cir. Str.	1 Alt. Str.	6 Cum. & Cum. Str.	0.29	Fine a.m. Cloudy p.m. Thunder to SE at 3.40 p.m. Rain at 4.15 p.m.
3	1 Cir. Str.	...	1 Cum.	1 Cum. & Cum. Str.	0.00	Fine.
4	2 Cir. Str.	1 Cir. s.	3 Cum. & Cum. Str.	4 Cum. & Cum. Str.	0.00	Fair.
5	1 Cir. Str.	1 Cir. s.	1 Cum. & Cum. Str.	1 Cum. & Cum. Str.	0.00	Fine, but hazy a.m.
6	6 Cir. Str.	1 Cir. s.	1 Cum.	1 Cum.	0.00	Fair a.m. Fine p.m.
7	4 Cir. Str.	...	1 Cum. & Cum. Str.	6 Cum. Str. & Nim.	0.09	Fair a.m. but hazy. Cloudy p.m. Thunder to E at 3 p.m. Drizzle at 3.15 p.m. Lightning at 3.30 and Rain at 3.45 p.m.
8	3 Cir. Str.	1 Cir. Str.	2 Cum. & Str. 1 Alt. Str.	4 Cum. & Str.	0.00	Fair. Thunder to N. at 2.15 p.m.
9	1 Cir. Str.	1 Cir. Str.	6 Cum. Str. 2 Alt. Str.	4 Cum. Str.	0.39	Cloudy a.m. Rain at 9.40 and at 11.30 a.m. Fair p.m.
10	...	1 Cir.	4 Cum. & Cum. Str.	6 Cum. & Cum. Str.	0.00	Cloudy. Thunder to SE at 6 a.m. Thunder to NE at 1.45 p.m.
11	...	...	...	7 Cum. & Str. 2 Alt. Str.	0.00	Fine a.m. but hazy. Cloudy p.m. Thunder to N. at 4.30 p.m.
12	...	3 Cir. s.	1 Cum. s.	1 Cum. & Str.	0.00	Fine.
13	...	...	1 Cum.	9 Cum. & Alt. Str.	0.00	Fine a.m. Cloudy p.m. Thunder to SE at 10.17 p.m. with lightning. Squall from SE at 10.40 p.m. Cloudy.
14	...	3 Cir. s.	5 Cum. & Cum. Str.	4 Cum. & Str.	0.04	Cloudy.
15	...	...	...	5 Cum. & Str.	0.00	Fine a.m. Fair p.m. Thunder to N at 3.08 p.m.
16	...	...	4 Cum. & Str.	1 Cum. E	0.00	Fair a.m. Fine p.m.
17	...	...	1 Cum.	1 Cum.	0.00	Fine.
18	...	1 Cir.	1 Cum.	5 Cum. & Str.	0.00	Fine. Squall from SE at 11.20 a.m.
19	...	4 Str. Cir.	...	...	0.10	Fine a.m. but hazy. Cloudy p.m. Rain squall at 2.20 to 2.50 p.m. Thunder to NW at 2.20 p.m.
20	...	...	...	2 Cum. 7 Cum. Nim.	0.02	Fine a.m. Cloudy p.m. Thunder to NW at 2.25 p.m. Rain at 4.15 p.m.
21	3 Cir.	2 Cir. Str.	...	2 Cum.	0.00	Fine.
22	1 Cir.	...	...	1 Cum. Nim. 3 Cum.	0.00	Fine a.m. but hazy. Fair p.m. Thunder and Lightning about 9.30 p.m.
23	...	...	8 Cum. 1 Alt. Str.	2 Cum.	0.00	Heavy Thunder Storm early morning to about 7 a.m. Cloudy a.m. Fine p.m. Lightning and thunder at 7.30 p.m.
24	6 Cir.	4 Cir. Str. SE	2 Cum.	6 Cum. SE	1.00	Cloudy. Thunder to E at 5.25 p.m. Rain from 6.30 p.m. with lightning.
25	...	2 Cir.	9 Alt. Str. 1 Cum.	7 Cum. SE	0.40	Rain in early morning. Cloudy day. Rain squall at 1.40 p.m. Rain at 3.50 p.m. and at 7.15 p.m.
26	2 Cir.	1 Cir. Str. 2 Str. Cir. 1 Cir. Cum.	2 Cum.	4 Cum. 1 Str. Cum.	0.00	Fair a.m. Cloudy p.m.
27	...	1 Str. Cir.	...	2 Cum.	0.06	Fine. Rain at 9.15 a.m.
28	3 Cir.	...	1 Str. Cum. 5 Cum.	2 Cum.	0.00	Cloudy a.m. Fine p.m.
29	1 Cir. 1 Str. Cir.	1 Cir. 5 Cir. Str.	...	2 Cum.	0.00	Fine.
30	1 Cir.	5 Str. Cir.	...	4 Cum.	0.00	Fine a.m. Cloudy p.m.
31	4 Cir.	2 Cir.	...	4 Cum. 2 Str. Cum.	0.00	Fine a.m. Cloudy p.m. Thunder to N. at 3.15 p.m.
Means.	13 o/o	16 o/o	21 o/o	40 o/o	2.39	Fair.
Total						

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.					Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.	
King's House	400	74.0	87.9	91.2	68.0	23.2	69.1	73.9	84	63	95	5	65	3	80	2.30
Castleton Gardens	580	70.2	82.8	86.5	66.4	22.1	69.4	73.2	96	71	92	1	61	2&17	81	17.98
Hope Gardens	900	78.6	85.6	91.0	69.5	21.5	69.9	77.5	87	76	94	17	68	4†	26	4.41
Stony Hill Reformatory	1,400	72.1	81.1	85.9	67.9	18.0	69.5	74.7	92	79	88	5*	66	28	23	6.33
Ginchoa Plantation	4,907	62.6	67.8	72.3	58.8	13.5	66.6	61.3	80	78	76	2†	55	28	21	21.16

* and 5 other days. † also 21 & 22. ‡ and 8 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:—

	AUGUST.	
	1895.	Average.
Infantile diseases not otherwise specified ...	13	12
Lung diseases ...	23	15
Fever and Malaria ...	3	9
Dysentery and Diarrhoea ...	3	4
Various ...	37	50
Total	79	90

CINCHONA PLANTATION.

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

		in.
Barometric pressure	7 a.m.	25.355
" "	3 p.m.	25.348
Temperature—		
6 feet underground	7 a.m.	62.9
" "	3 p.m.	63.0
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		31.1

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial
		Max.	Min.				
1895.		°	°	°	in.		
January 31st	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th	1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	W. H.
April 1st	11.30 a.m.	63.9	40.8	57	4.40	Cloudy.	W. H.
April 30th	5 p.m.	68.9	41.8	...	20.07	Fine and clear.	D. H.
May 31st	3.45 p.m.	62.9	45.8	53	15.20	Heavy rain; very cold.	W. W.
June 30th	8 a.m.	67.9	46.8	52	4.60	Heavy mist.	W. H.
July 31st	12.30 p.m.	64.9	44.8	56	3.10	Fine a.m.; rain p.m.	W. H.
August 31st	7.30 a.m.	67.9	46.8	54	24.25	Fine but misty	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR AUGUST, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	AUGUST.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Herdley	13.51	3.86	21	13	11.09
Manchioneal	11.19	5.10	25	11	...
Bath P. W. D.	19.10	7.53	24	24	...
Boston	...	...	...	...	11.07
Port Antonio P. W. D.	12.94	2.30	24	25	12.62
Fellowship P. W. D.	14.63	3.40	25	23	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Shrewsbury P. W. D.	9.20	2.57	23	16	...
Cedar Valley P. W. D.	13.96	5.52	24	13	...
Cinchona Plantation	21.16	9.75	23	10	9.75

NORTH-EASTERN DIVISION, contd.	AUGUST 1895.				
	Total Fall.	Greatest fall in 24 hours.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Buff Bay P. W. D.	7.48	1.82	24	12	...
Cold Spring	10.97	6.72	23	3	...
Hardware Gap	8.50	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	4.20	1.40	22	7	...
Stony Hill Refty	6.33	1.76	24	8	11.32
Belle Vue	...	...	...	...	...
Castleton Gardens	17.03	6.50	22	19	11.04
Lawrence's Tavern P. W. D.	8.94	1.53	22	14	...
Albany, P.W.D.	3.69	1.20	23	11	...
Quebec	...	...	...	...	3.89
Richmond P. W. D.	12.45	4.64	22	11	...
Highgate P. W. D.	6.43	2.12	22	11	...
Gayle	7.90	3.25	22	4	6.65
Gayle P. W. D.	5.66	1.50	22	9	...
Rio Hoe	9.09	3.15	23	6	8.02
Unity Valley	11.63	5.26	29	12	6.79
Moneague P. W. D.	10.69	3.50	29	10	...
Claremont	11.71	3.20	23	13	...
Albion	10.03	2.94	29	13	...
Averham Park	10.91	3.72	22	14	5.97
Ballintoy	6.95	1.16	29	15	...
Means	12.26				9.31

NORTHERN DIVISION	AUGUST.					NORTHERN DIVISION contd.	AUGUST.				
	Total Fall	1895.			Average.		Total Fall	1895.			Average.
		Greatest fall in 24 hours.		Days on which .01 or more fell.				Greatest fall in 24 hours.		Days on which .01 or more fell.	
		Amount.	Date.					Amount.	Date.		
In.	In.			in.	in.						
Port Maria P. W. D.	4.16	2.05	23	8	4.81	Kew	...	...	...	...	7.55
Drax Hall	6.60	2.96	25	10	4.10	Lucea P. W. D.	6.66	1.83	9	...	...
St. Ann's Bay P.W.D.	5.95	1.37	25	10	...	Thornhill, Lucea	...	...	...	...	...
Seville	...	...	...	...	4.35	Houghton Court	...	...	...	...	6.41
Richmond Estate	...	...	...	...	4.19	Orange Cove	...	...	...	...	6.46
Llandoverly	4.20	1.53	22	7	3.57	CENTRAL SUB-DI- VISION—					
Southfield	...	...	...	...	...	Headworks, R. C. C	3.01	...	...	8	7.02
Brown's Town P.W.D.	10.33	4.60	23	11	...	Linstead P. W. D.	5.78	1.54	15†	8	8.64
Home Castle	8.18	2.77	22	10	4.28	Point Hill, P.W.D.	6.19	2.26	24	13	...
Richmond Pen	8.45	2.25	28	11	6.23	Harker's Hall P.W.D.	7.38	1.84	31	16	...
Mahogany Hall	13.50	4.00	23	9	6.13	Chapelton P. W. D.	5.00	1.63	24	8	8.98
Braco	4.03	.88	22	12	3.62	Danks-Savoy	...	...	...	...	...
Arcadia	10.82	1.82	22	14	4.27	Cave Valley	5.35	1.20	8	13	8.24
Arcadia Great House	10.36	1.90	22	15	...	Means	6.09	...	...	...	5.02
Harmony Hall	...	...	...	...	2.91	WEST CENTRAL DIVISION.					
Lancaster	7.33	1.20	22	15	3.77	Farm Plantation	7.81	2.70	25	10	9.39
Vale Royal	13.18	2.60	22	14	5.20	Brokenhurst Planta- tion	11.29	3.80	25	14	10.01
Colchis Pen	13.81	3.11	22	7	5.51	Christiana P. W. D.	3.72	1.00	25	9	...
Hyde	7.52	1.80	29	14	6.36	Kendal P. W. D.	6.85	1.40	26	12	...
Georgia	8.98	1.68	22	11	4.17	Mandeville P. W. D.	9.00	2.70	25	12	10.60
Steelfield	7.35	1.75	22	14	4.08	Marshalls Pen	...	...	...	...	...
Oxford	5.50	1.15	22	14	3.48	Ulster Spring P.W.D.	7.20	1.46	26	20	...
Cambridge	5.59	1.30	12	14	4.37	Troy	4.68	.95	2	13	...
Dry Valley	...	...	...	...	...	Windsor Pen	10.14	3.35	28	15	9.47
Lottery	4.75	1.00	12	12	4.24	Balaclava P. W. D.	6.55	1.55	21	9	...
Falmouth	4.20	...	...	...	3.22	Elim	3.21	.91	20	7	...
Falmouth P. W. D.	4.08	1.50	12	13	...	Appleton	9.13	1.37	10	13	11.48
Fontabelle	8.35	1.30	31	16	...	Magotty P.W.D.	9.02	1.80	21	16	...
Holland Pen	3.13	.80	25	10	3.46	Spring Vale	11.82	2.20	28	16	11.86
Pembroke	...	...	...	...	5.15	Maroon Town	...	...	...	...	13.80
Golden Grove	...	...	...	...	5.62	Kempshot	8.62	1.07	31	17	9.46
Green Park	3.01	.60	25	12	3.83	Kepp	7.49	1.42	3	20	11.14
Tilston	...	...	...	...	6.08	Kew Park	...	...	...	...	11.67
Weston Favell	9.51	1.70	4&29	13	7.74	Mount Carey	8.52	1.65	24	13	...
Orange Valley	...	...	...	...	3.43	Windsor Forest	...	...	...	...	13.53
Kent	3.10	1.05	25	10	3.61	Chester Castle	...	...	...	...	11.73
Dundee	3.85	.87	24	12	4.68	Darliston P. W. D.	12.89	2.38	21	16	...
Phoenix	...	...	...	...	5.25	Whithorn, P. W. D.	13.23	2.45	28	21	...
Gale's Valley	...	...	...	...	6.51	New Galloway	13.22	2.68	29	16	...
Greenwood	2.50	1.10	24	6	3.53	Lethe Bridge	9.64	2.00	26	17	...
Canaan	6.00	1.40	28	8	...	Copse	7.94	.95	3&13	14	10.82
Content	...	...	...	...	...	Cacaoon Castle	9.82	1.66	13	17	10.66
Bellfield	3.90	.80	15	9	...	Golden Grove	...	...	...	...	12.34
Gullsbro'	6.13	1.20	28	17	6.04	Great Valley	13.79	2.05	26	...	...
Tryall	1.55	.40	12	6	...	Brownsville	16.63	3.17*	18	18	...
Leogan	...	...	...	...	6.14	George's Plain Estate	8.60	2.43	10	16	...
Cinnamon Hill	1.84	.90	25	6	2.31	Fontabelle	10.28	2.31	10	20	11.79
Rose Hall	1.25	.50	25	4	2.66	Morgans Bridge PWD	17.07	3.02	10	20	...
Running Gut	1.45	.30	12	7	2.69	King's Valley	16.50	3.20	3	16	11.41
Spring	...	...	...	...	...	Abingdon	9.82	1.50	4	20	9.19
Ironshore	...	...	...	...	...	Means	9.97	...	...	...	10.56
Friendship	...	...	...	...	5.12						
Providence	...	...	...	...	...	
Montego Bay P. W. D.	4.55	2.01	25	15	4.65						
Catherine Hall	4.90	1.60	25	12	6.72						
Catherine Mount	...	...	...	...	7.04						
Fairfield	6.45	1.16	28	11	6.89						
Anchovy	...	...	...	...	8.79						
Eden	...	...	...	...	8.03						
Wiltshire	...	...	...	...	8.30						
Round Hill	6.90	1.30	25	15	5.55						
Flint River	...	...	...	...	...	
Tryall	...	...	...	...	6.61						
Sandy Bay P. W. D.	7.96	1.69	9	14	...						

† and 24. * in 2 hours.

SOUTHERN DIVISION.	AUGUST.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which .01 or more fall.	
		Amount.	Date.		
Morant Point L. H.	4.99	1.64	24	18	5.62
Morant Bay, P. W. D.	8.64	4.35	24	14	...
Lyssons	...	...	...	...	...
Easington P. W. D.	8.20	4.91	24	16	...
Abbey	9.63	5.00	24	21	9.00
Bull Bay P. W. D.	5.33	3.53	25	3	...
Gordon Town	3.67	2.00	25	5	...
Hope Gardens	4.41	2.80	24	8	7.23
Hope Reservoir	...	...	...	...	...
Cherry Garden	3.75	...	...	12	9.19
King's House	2.30	1.50	24	4	7.31
Cavaliers	...	...	...	...	...
Shortwood	...	...	25	9	...
Constant Spring	...	...	...	...	...
Monaltrie	3.80	2.48	25	11	5.93
Halfway-Tree P.W.D.	2.25	1.35	24	5	...
Camperdown	2.65	1.33	25	...	...
Public Works Office Kn	2.39	1.00	24	9	5.05
Plumb Point L. H.	2.85	1.24	2	10	4.29
Port Royal	...	...	...	...	...
Ferry P. W. D.	2.50	1.27	24	6	...
Spanish Town P.W.D.	3.05	1.35	25	6	5.75
Windsor Park	3.40	1.25	24	6	2.95
Hog Hole Pen P.W.D.	4.83	2.32	19	6	5.79
Old Harbour P.W.D.	5.42	1.18	22	7	5.77
Somerset Hall	4.52	1.75	11	4	...
May Pen P. W. D.	3.64	1.15	22	8	...
Hermitage	4.93	1.35	30	9	...
Denbigh	...	...	...	...	5.03
Yarmouth P.W.D.	4.89	1.50	26	9	...
Victoria Town P.W.D.	5.49	2.12	11	8	...
Stone's Hope	5.18	1.90	25	14	6.44
Newport P. W. D.	8.15	2.25	25	10	...
Alligator Pond P.W.D	6.45	3.35	11	7	...
Potsdam	4.56	1.52	20	13	5.43
Long Hill	7.04	2.39	19	8	6.60
Pepper	3.52	1.30	25	5	7.06
Torrington P. W. D.	6.10	1.37	20	11	...
Bethlehem	3.71	1.05	20	11	...
Santa Cruz P.W.D	7.60	3.50	20	10	...
Holland	4.03	.70	8	13	...
Black River P. W. D.	2.63	1.10	20	5	...
Whitehall	4.55	.82	20	13	...
Font Hill	...	...	...	...	...
Grand Vale	...	...	...	...	...
Peter's Ville	9.24	1.40	9	17	...
Mount Edgecombe	8.84	2.17	11	20	6.02
Sweet River	10.39	2.32	3	17	7.68
Windsor, Sav.-la-Mar.	8.40	1.52	21	21	7.04
Sav.-la-Mar P. W. D.	9.74	2.36	21	17	...
Retreat	6.99	1.37	7	12	...
Negril Pt. Lighthouse	6.67	1.40	18	13	...
Means	5.35	...	...	...	6.28

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	AUGUST.	
	1895.	
	In.	Average.
North Eastern Division	12.28	9.31
Northern	6.09	5.02
West Central	9.97	10.56
Southern	5.35	6.28
Means	8.42	7.79

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.

JULY.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean Sea-level 6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	Phase of Moon, &c.
Day.	In.	In.	In.	In.	
1	25.8	22.6	23.9	3.2	
2	23.4	21.0	22.3	2.4	
3	24.4	21.4	22.9	3.0	
4	25.0	21.6	23.0	3.4	
5	26.4	22.3	24.2	3.6	Decl. 28° S.
6	25.8	22.8	24.1	3.0	Full Moon.
7	27.2	23.8	25.1	3.4	
8	28.2	24.4	25.9	3.8	
9	28.0	25.4	26.3	2.6	
10	27.6	25.6	26.3	2.0	Apogee.
11	27.4	25.8	26.3	1.6	Decl. 0°
12	27.6	26.0	26.6	1.6	Last Qu. 14th.
13	26.6	24.4	25.3	2.2	
14	26.0	24.2	25.2	1.8	
15	25.8	22.8	24.1	3.0	
16	25.4	21.6	23.3	3.8	Decl. 28° N.
17	25.6	21.0	23.1	4.6	
18	26.4	22.0	24.2	4.4	New Moon.
19	27.0	23.6	25.1	3.4	Perigee.
20	27.6	25.2	26.0	2.4	
21	27.4	25.8	26.2	1.6	Decl. 0°
22	31.8	26.2	27.9	5.6	
23	30.2	23.4	26.0	6.8	First Qu. 28th.
24	27.0	23.0	24.3	4.0	
25	26.2	23.6	24.7	2.6	
26	24.4	22.2	23.4	2.2	
Means	26.7	23.5	24.8	3.2	

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.

AUG.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean Sea level 6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	Phase of Moon, &c.
Day.	In.	In.	In.	In.	
1	26.0	22.8	24.3	3.2	Decl. 28° S.
2	27.2	24.2	25.5	3.0	Full Moon.
3	27.2	23.8	25.4	3.4	
4	26.6	24.3	25.5	1.8	
5	27.6	26.2	26.8	1.4	
6	26.0	25.6	25.7	0.4	Decl. 0°
7	25.6	23.6	24.5	2.0	
8	27.6	23.0	24.5	4.6	
9	27.4	24.2	25.0	3.2	Last Q.
10	28.6	23.8	25.3	4.8	
11	30.2	23.6	25.3	6.6	
12	25.8	22.8	24.1	3.0	Decl. 29° N.
13	26.4	22.8	24.5	3.6	
14	26.0	23.2	24.8	2.8	
15	27.0	25.4	26.5	1.6	New Moon 20th
16	28.0	24.4	26.3	3.6	Decl. 0°.
17	29.6	25.0	26.9	4.6	
18	32.6	24.2	27.5	8.4	
19	26.6	23.2	24.3	3.4	
20	25.6	20.2	21.9	5.4	First Q.
21	24.4	20.6	22.3	3.8	Decl. 29° S.
22	25.2	21.4	22.4	3.3	
23	23.4	20.6	21.5	2.8	
24	24.6	22.0	23.3	2.6	
Means	26.9	23.4	25.1	3.5	

The greatest monthly fall viz., 21.16 inches was recorded at Cinchona Plantation and the smallest viz., 1.25 at Rose Hall in St. James. The greatest fall in 24 hours was 9.75 inches at Cinchona Plantation on the 23rd. The greatest number of days on which rain fell at any one place was 25 at Port Antonio. Twenty-one stations had in 24 hours falls of between 3 and 5 inches; six falls of between 5 and 7 inches; and two stations had falls between 7 and 10 inches in twenty-four hours.

The rainfall for the Island for the month was eight per cent over the average. This mean was attained by excesses over the average in the N. E. and N. Divisions which more than balanced the deficiencies in the W. C. and S. Divisions; these latter however were not great and in fact five stations in the S. and three stations in the W. C. Division had falls over the average. In the N. E. and N. Divisions, there were 8 and 17 stations respectively which had falls over the average.

Below will be found a statement of the Rainfall recorded during this year as compared with the average fall during the months in question. It will be seen that the rainfall for the Island for the seven months was four inches less than, or 90 per cent, of the average.

	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.53
March	2.03	3.04
April	5.50	4.43
May	9.33	9.41
June	2.76	7.02
July	4.52	5.13
August	8.42	7.79
Total	39.11	43.49

— THUNDERSTORM — In the early morning of the 23rd, there occurred a sharp thunderstorm to the North of Kingston. At 2.30 a.m., when the thunder awoke the writer in Kingston it was fully under way. The lightning was vivid and continuous in the distant North with constant thunder. In some respects it was the most brilliant display I have ever seen, and lasted till about 7 a.m. when the thunder and lightning began to die away. The sky cleared up till between 11 and 12 noon when it clouded up again to the North with North wind. From 1 p.m. it was clear and fine again with light sea breeze in the afternoon. There was no rain in Kingston.

The following notes have come to hand concerning this thunderstorm on the morning of the 23rd and also the rains on the 24th and 25th caused by a passing depression

N. E. DIVISION. Cinchona Plantation.—The night of the 22nd August was very stormy; crashing thunder, vivid lightning, strong gales and heavy rains. 9.70 inches of rain fell in less than five hours. The 24th and 25th were also rather stormy, but since then the weather has been fine.

Gayle.—Very dry to 22nd. Cloudy. Distant thunder.

Bio Hoe.—The rain commenced on the 4th, pastures are looking green. But the weather continues very hot.

Claremont.—Severe thunderstorm on night of 22nd. 3.20 rain fell between 1 a.m. and 6 a.m. on 23rd.

Moneague.—Asst. Supt. Pub. Works reports severe thunderstorm with continuous lightning and with

strong sudden squalls of wind and rain between 2 a.m. and 7 a.m., on the 23rd during which 2.20 inches fell.

Abbeon.—The long drought broke on the night of August 22—with thunder, lightning, rain, and wind, from N. E. 2.54 inches fell.

N. DIVISION. Mahogany Hall.—The rainfall of 23rd was from 1 to 7 a.m. attended with much thunder and lightning.

Weston Favell.—²²
—²³ } Rainfall amounted to 2.28
—²⁴

Thunder and lightning with strong wind as well as rain during nights of 22nd and 23rd and rained nearly all day 24th.

Round Hill.—Much thunder and lightning towards end of month. Also high breezes.

W. C. DIVISION. Farm Plantation.—Grand rain on 24th and 25th (5.10 inches) which was very much wanted.

Brokenhurst.—Heavy rain from Saturday afternoon (24th) to Monday 6 a.m.

Mandeville. Supt. P. W.—The fall of rain 24th—25th has probably saved a large portion of the coffee crop in N. Manchester and the residue of the Central and South Manchester

S. DIVISION. The Abbey.—A good deal of thunder and lightning. Wind high latter part of month.

Shortwood College.—We had the heaviest rains we have had for some weeks on Saturday evening 24th, lasting until Sunday morning 25th, but unfortunately cannot register the amount, as the rain gauge was found to have been tampered with by some unknown person or persons. Known total fall 1.57.

FALLS OF HAIL. Ballintoy.—Rev. C. A. Winn reports a shower of hail on 22nd at 2.40 a.m., during a thunderstorm.

Cocoon Castle.—Some hailstones with rain on Thursday the 29th.

Harkers' Hall.—Hail on 15th.

Cherry Garden.—Small falls of minute hailstones on 24th.

OTHER NOTES. Vale Royal.—The highest rainfall here for the month of August on record, the nearest approaches to it being August 1869, 6.31; 1878, 7.94; 1879, 9.86.

Abingdon.—Thunder, lightning and rains less or more each day 1 to 2 p.m.. Lightning struck several large cocoon trees on seaside passing close to watchman's house 29th.

Copee.—Heavy thunderstorm on the 30th with every appearance of a hurricane, but passed off subsequently.

Great Valley.—On August 6th at 1 p.m., we had nearly a gale from the North, it lasted about half an hour and blew branches off some trees, it then became perfectly calm, and about an hour after a strong wind sprang up from the South. 1.20 rain fell on that day.

Pepper Pen.—The weather still continues very dry and hot.

Retreat.—On the 17th a flash of lightning struck a canepiece here and set it on fire, no rain was coming at the time and people had to be sent to put out the fire, rain fell shortly afterwards. Exactly the same rainfall as last month.

DEPRESSION IN AUGUST, 1895.

On the afternoon of the 22nd, the following telegram was received from the Meteorological Service, Santiago de Cuba, "Apparently large depression centre W. S. W. Martinique." (During the night of the 22nd—23rd occurred the thunderstorm with heavy rains referred to elsewhere). The following information was issued in the shape of a Weather Notice on Sunday the 25th.

"During the night of Friday the 23rd there was a drop of the barometer of half a tenth and the fall continued till 9 a.m. on the 24th, at which time the fall

below the mean was about a tenth of an inch, consequently telegrams were exchanged between Kingston and Santiago, Morant Point Light House and Montego Bay. Santiago reported (the message crossing the one from Kingston) as follows:—" At 7 barometer 29.92 (a little higher than Kingston) wind from the N., rain clouds from the N. E., cumulus from the E. Centre passed south of San Domingo yesterday afternoon." This apparently referred to the depression, not a fully formed cyclone, reported to the eastward on Thursday, afternoon. From a comparison of the 7 a.m. and 11 a.m. readings at Kingston and Montego Bay, the barometer at the latter place being at first higher than, and then about the same as at Kingston, it appeared that a shallow depression was passing south of Jamaica and this seemed to be confirmed in some respects in the afternoon by a further comparison between Kingston and Montego Bay. As, however, the barometer at Montego Bay at 3 p.m. was again higher than at Kingston, that at Morant Point Light House being about the same as Kingston, and as the Harbour Master at Morant Bay reported a heavy sea outside with squally weather and light wind from N. E. it was considered advisable, while letting the telegraph offices close for the night, to make arrange-

ments to have them opened between 8 and 9 a.m. on Sunday. On Sunday morning it appeared that the indications above of a depression giving seasonable rains were confirmed, and after an exchange of telegrams between Kingston and Montego Bay the telegraph offices were closed. Santiago reported on Sunday morning:—" Barometer 29.99 (considerably higher than Kingston) with heavy rain and east wind all night," and asked for information as to Kingston wind and weather "since yesterday" which was duly cabled. The Kingston rainfall on Saturday night amounted to 1.40 inches."

ROBT. JOHNSTON.

Kingston, 17th September, 1895.

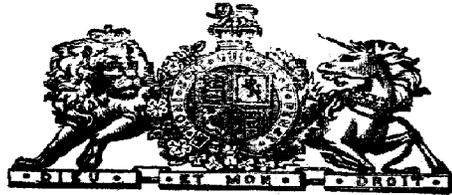
CORRIGENDUM.

W. R. No. 182; page 6; Second column; line 6.

Delete; "of Capt. Edmund Halley."

Note. Edmund Halley was sent out in 1698 in command of a ship to ascertain the Variation of the Compass in different parts of the world. His crew mutinied and he was obliged to return.

He sailed again next year, and subsequently published his chart, for which he was rewarded by the rank of Captain in the Navy with half pay for life.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

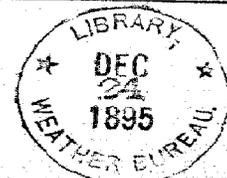
SEPTEMBER, 1895.

70. EAST

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Sept. 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
	In.	In.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
1	29.975	29.913	75.5	79.4	89.5	72.5	17.0	68.8	75.9	80	89	N	0	E	3	SE	3	61
2	29.939	29.885	74.7	81.4	87.8	72.4	15.4	71.9	74.6	91	73	N	1	N	4	SE	2	58
3	29.953	29.908	75.4	86.4	89.0	73.0	16.0	71.6	74.2	88	67	N	1	SE	8	SE	3	82
4	29.998	29.920	74.2	88.4	89.1	72.2	16.9	68.5	72.0	82	59	N	1	SE	8	SE	4	87
5	29.990	29.890	74.6	89.2	91.1	73.1	18.0	70.6	74.4	87	61	N	1	SE	8	SE	4	87
6	29.955	29.890	76.5	85.3	90.7	75.2	15.5	69.5	72.9	79	67	N	1	SE	10	SE	4	94
7	29.960	29.901	72.2	87.0	90.6	71.3	19.3	69.9	73.2	83	63	N	1	SE	7	SE	3	78
8	29.950	29.894	75.0	86.4	89.2	71.2	18.0	73.1	72.9	94	64	N	0	E	9	Var.	3	68
9	29.953	29.894	73.9	86.3	90.5	74.3	16.2	71.1	72.6	91	64	N	1	SE	9	SE	4	95
10	30.003	29.932	77.8	88.6	91.9	77.0	14.9	65.5	74.5	63	63	N	1	SE	8	SE	4	93
11	30.006	29.912	77.8	87.9	89.5	76.5	13.0	71.7	75.9	82	68	N	1	SE	8	SE	4	60
12	29.955	29.912	75.4	85.5	90.9	75.0	15.9	66.4	80.0	74	83	N	1	E	5	SE	2	111
13	29.964	29.913	74.7	88.4	90.3	74.8	15.5	71.1	75.3	88	86	N	1	SE	4	SE	5	137
14	29.966	29.940	76.3	83.8	90.4	74.8	15.6	66.2	68.0	71	59	N	1	SE	12	SE	5	118
15	30.019	30.925	75.3	89.3	90.9	74.8	16.1	72.0	70.3	89	64	N	0	SE	11	SE	5	113
16	29.995	29.897	75.7	86.8	90.3	75.3	15.0	69.7	74.7	82	68	N	0	SE	13	SE	4	96
17	29.937	29.883	75.1	79.7	89.5	75.3	14.2	68.2	70.6	78	74	N	2	N	9	SE	4	85
18	29.919	29.865	75.3	88.6	92.0	78.8	18.2	67.6	70.5	77	55	N	0	SE	7	SE	4	91
19	29.959	29.892	77.4	89.5	93.3	72.3	21.0	67.9	73.2	73	59	N	1	SE	11	SE	4	105
20	29.967	29.915	77.2	85.3	91.2	76.1	15.1	70.7	71.8	80	64	N	0	SE	9	SE	4	75
21	29.948	29.876	76.3	87.9	88.1	74.7	13.4	71.0	70.4	81	56	N	0	SE	9	SE	3	81
22	29.917	29.903	76.3	76.6	85.2	74.2	11.0	69.1	75.4	78	96	N	0	SE	4	E	2	52
23	29.935	29.945	74.2	74.3	85.2	72.1	11.1	70.6	71.0	89	90	N	0	E	5	ESE	2	40
24	29.909	29.909	72.4	84.2	84.9	75.0	9.9	70.8	71.9	95	67	N	0	E	3	?	2	50
25	29.973	29.928	74.3	83.4	84.9	73.0	11.9	69.1	73.4	84	72	N	1	ESE	2	SE	2	100
26	29.939	29.918	76.4	86.4	89.3	74.6	14.7	73.0	75.0	89	65	N	0	SE	11	SE	4	84
27	29.979	29.921	75.2	85.7	88.6	74.1	14.5	70.9	73.8	87	70	N	0	SE	8	SE	4	62
28	29.941	29.870	74.3	86.5	88.3	73.7	15.1	69.2	73.4	84	65	N	1	SE	6	SE	3	65
29	29.875	29.794	76.4	87.5	89.2	75.7	13.5	72.3	72.4	87	61	N	0	SE	5	SE	3	70
30	29.849	29.787	75.8	88.4	89.8	75.0	14.8	71.3	73.1	86	61	N	0	E	7	SE	3	
Means.	29.956	29.898	75.4	85.6	89.3	74.1	15.2	69.9	73.3	83	68	N	0	SE by E	7.3	SE	3.5	85.4



KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Sept. 1895.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	...	...	3 Cum.	Ins.	Fine a.m. Rain at 11.45 a.m. Cloudy p.m.
2	...	2 Cir. s.	1 Cum.	5 Strato Cum. 6 Cum. & Cum. Nim.	0.14	Fine a.m. Thunder to N at 12.6 p.m. Lightning at 12.50 p.m. Cloudy p.m.
3	3 Cir.	2 Cir.	...	3 Cum.	0.00	Fine.
4	...	2 Cir.	...	3 Cum.	0.00	Fine a.m. Fair p.m.
5	...	1 Cir.	...	2 Cum.	0.00	Fine.
6	1 Cir.	2 Cir.	...	2 Cum.	0.00	Fine a.m. Cloudy p.m.
7	1 Cir.	...	...	4 Strato Cum. 5 Cum.	0.25	Fine a.m. Rain at 2.55 p.m. Cloudy p.m. Rain at 4.15 p.m. Thunder to NW at 4.45 p.m.
8	3 Cir.	3 Cir.	1 Cum. 4 Str. Cum.	4 Cum. Nim. 4 Cum. 2 Strato Cum.	0.05	Cloudy. Thunder to N at 12.55 p.m. Rain at 1.57 p.m. Rain Squall from SE at 5.40 p.m. Thunder to SE at 9.25 p.m. with lightning.
9	4 Cir.	2 Cir. s.	1 Cum.	3 Cum. Nim.	0.60	Fair a.m. Cloudy p.m.
10	5 Cir. s.	2 Cir.	1 Alt. s. 1 Cum.	4 Strato Cum. 5 Cum.	0.00	Fair a.m. Cloudy p.m.
11	9 Cir. s.	3 Cir.	1 Cum.	1 Cum. s. 3 Cum.	0.00	Cloudy a.m. Fair p.m.
12	1 Cir. s.	3 Cir.	8 Cum. & Cum. Nim.	2 Cum. s. 4 Strato Cum.	0.00	Cloudy.
13	4 Cir.	2 Cir.	1 Cum. 1 Strato Cum.	3 Cum. 2 Cum. s.	0.00	Fair. Thunder to N at 3 p.m.
14	1 Cir. s.	3 Cir.	2 Cum.	2 Cum. 1 Strato Cum.	0.00	Fine a.m. Cloudy p.m.
15	1 Cir. s.	1 Cir.	2 Cum. s.	1 Cum.	0.00	Fine.
16	...	1 Cir. s.	...	3 Cum.	0.00	Fine a.m. Fair p.m.
17	1 Cir. s.	...	...	1 Strato Cum. 2 Cum.	0.00	Fine a.m. Thunder to N at 12.50 p.m. Cloudy p.m.
18	...	1 Cir. s.	...	8 Strato Cum. 3 Cum.	0.00	Fine. Thunder to N at 3.10 p.m.
19	1 Cir. s.	1 Cir.	1 Cum.	6 Cum.	0.00	Fine a.m. Cloudy p.m. Thunder to N at 2.20 p.m.
20	2 Cir. s.	3 Cir.	1 Strato Cum.	1 Strato Cum. 2 Strato Cum.	0.00	Lightning all through the night.
21	2 Cir. s.	2 Cir.	2 Cum.	4 Cum. 3 Nim.	0.00	Fair a.m. Cloudy p.m.
22	3 Cir. s.	...	2 Cum. 4 Strato Cum.	5 Cum. 4 Alt. s.	0.45	Thunder to N at 3.59 p.m. Cloudy. Drizzle at 10 a.m. Rainsquall at 10.45 a.m. to noon. Rain at 6.25 p.m.
23	...	...	4 Cum. 5 Strato Cum.	10 Nim.	0.85	Rain from 11.55 a.m. all day and at night.
24	...	7 Cir. s.	10 Cum. s.	2 Cum. 1 Strato Cum.	0.04	Cloudy. Rain at 8.20 p.m.
25	...	...	6 Cum. 4 Alt. s.	1 Cum. 9 Alt. s.	0.00	Cloudy. Drizzle at 6.30 a.m.
26	3 Cir. s.	1 Cir. s.	...	3 Cum.	0.00	Fine.
27	1 Cir.	2 Cir. s.	1 Cum.	2 Cum.	0.00	Fine.
28	1 Cir.	1 Cir.	...	2 Cum.	0.00	Fine.
29	1 Cir.	1 Cir. s.	...	2 Cum. s.	0.00	Fine.
30	1 Cir. s.	3 Cir. 1 Cir. s.	...	2 Cum.	0.00	Fine, but hazy a.m.
Means.	16 o/o	17 o/o	21 o/o	51 o/o		Fair.
Total					1.78	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.					Total Rainfall.			
		Temperature.						Dewpoint.			Humidity.			Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.				
King's House ...	400	74.1	86.8	92.6	68.5	24.1	70.6	75.3	90	67	97	17	65	7	32	2.00			
Castleton Gardens ...	580	70.9	81.4	88.3	67.9	20.4	69.3	74.8	93	82	92	19*	65	8†	27	7.51			
Hope Gardens ...	600	73.4	82.9	88.3	69.9	18.4	70.9	78.0	93	85	94	15	67	4&24	27	4.42			
Stony Hill Reformatory	1,400	72.1	79.5	85.2	68.5	16.7	70.0	74.0	93	83	88	30	66	4	22	8.22			
Cinchona Plantation ...	4,907	61.1	67.0	70.9	58.8	12.1	56.8	62.3	86	84	75	15	56	17‡	19	4.91			

* and 30.

† and 3 other days.

‡ also 24 & 25.

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:—

	SEPTEMBER.	
	1895.	Average.
Infantile diseases not otherwise specified ...	18	11
Lung diseases ...	13	12
Fever and Malaria ...	6	7
Dysentery and Diarrhoea ...	7	2
Various ...	47	47
Total	91	79

CINCHONA PLANTATION.

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

		in.
Barometric pressure	7 a.m.	25.334
" "	3 p.m.	25.328
Temperature—		
6 feet underground	7 a.m.	63.1
" "	3 p.m.	63.1
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		13.7

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial
		Max.	Min.				
1895.		°	°	°	in.		
January 31st	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th	1.45 p.m.	64.9	38.8	59	27.28	Fine and clear	W. H.
April 1st	11.30 a.m.	63.9	40.8	57	4.49	Cloudy.	W. H.
April 30th	5 p.m.	68.9	41.8	...	20.07	Fine and clear.	D. H.
May 31st	3.45 p.m.	62.9	45.8	53	15.20	Heavy rain; very cold.	W. W.
June 30th	8 a.m.	67.9	46.8	52	4.60	Heavy mist.	W. H.
July 31st	12.30 p.m.	64.9	44.8	56	3.10	Fine a.m.; rain p.m.	W. H.
August 31st	7.30 a.m.	67.9	46.8	54	24.25	Fine but misty	W. H.
September 30	2 p.m.	70.9	48.8	64	7.25	Cloudy.	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR SEPTEMBER, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	SEPTEMBER.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which 91 or more fall.	
	Amount.	Date.			
	in.	in.			in.
Hordley	8.92	1.26	7	15	12.58
Manchioneal	14.75	1.60	25	13	...
Bath P. W. D.	10.58	1.80	12	18	...
Boston	...	...	...	...	12.62
Port Antonio P. W. D.	13.35	3.30	8	13	9.67
Fellowship P. W. D.	18.47	7.40	8	11	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Burlington	13.99	6.40	16	12	...
Shrewsbury P. W. D.	10.71	5.72	8	13	...
Cedar Valley P. W. D.	6.59	2.14	23	13	...
Green Vale	4.31	1.00	19	10	...
Cinchona Plantation	4.91	1.50	23	15	9.79

NORTH-EASTERN DIVISION, contd.	SEPTEMBER.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which .01 or more fall.	
	Amount.	Date.			
	in.	in.			in.
Buff Bay P. W. D.	6.07	2.65	8	13	...
Cold Spring	5.05	1.37	23	9	...
Hardware Gap	6.55	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	3.44	1.80	27	10	...
Stony Hill Refry	8.22	2.73	2	13	9.85
Belle Vue	...	...	...	...	...
Castleton Gardens	7.70	2.00	22	16	9.55
Lawrence's Tavern P. W. D.	9.87	2.20	23	14	...
Albany, P.W.D.	2.89	.62	7	10	...
Quebec	...	...	...	...	3.48
Richmond P. W. D.	2.23	1.37	27	6	...
Highgate P. W. D.	1.82	.42	13	11	...
Gayle	7.20	2.00	13	8	6.05
Gayle P. W. D.	4.44	1.20	13	15	...
Bio Hoe	4.04	1.42	23	7	6.61
Unity Valley	3.24	2.00	20	17	7.27
Moneague P. W. D.	6.25	1.43	19	10	...
Claremont	7.21	2.23	14	11	...
Albion	3.62	.64	14	20	6.84
Averham Park	4.55	.99	8	15	4.57
Ballintoy	6.38	1.22	2	15	...
Means	7.06				8.28

NORTHERN DIVISION	SEPTEMBER.					NORTHERN DIVISION contd.	SEPTEMBER.				
	1895.						1895.				
	Total Fall	Greatest fall in 24 hours.		Days on which .01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which .01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
In.	In.			in.	in.						
Port Maria P. W. D.	4.26	.98	21	9	3.68	Sandy Bay P. W. D.	5.37	2.41	14	11	...
Drax Hall	1.88	.67	20	7	4.25	Kew	...	...	...	...	8.16
St. Ann's Bay P.W.D.	2.15	.68	19	11	...	Lucea P. W. D.	8.40	1.50	15	12	...
Seville	...	...	...	...	3.83	Thornhill, Lucea	...	...	...	...	...
Richmond Estate	...	...	...	...	4.33	Houghton Court	...	...	...	...	6.53
Llandoverly	3.32	1.10	13	6	4.21	Orange Cove	...	...	...	...	7.01
Southfield	...	...	...	...	...	CENTRAL SUB-DI- VISION—					
Brown's Town P.W.D.	2.15	1.40	3	4	...	Headworks, R. C. C	2.90	1.15	17	4	6.89
Home Castle	1.18	.48	14	4	4.86	Linstead P. W. D.	7.77	1.54	2	13	7.99
Richmond Pen	4.10	1.15	6	7	6.28	Point Hill, P.W.D.	13.52	3.90	17	13	...
Mahogany Hall	3.84	1.10	20	10	5.95	Harker's Hall P.W.D.	10.47	2.20	19	15	...
Braco	2.72	.90	16	5	3.76	Chapelton P. W. D.	6.71	2.40	3	14	7.65
Arcadia	2.33	.78	14	7	4.88	Danks-Savoy	...	...	...	...	...
Arcadia Great House	2.80	1.20	16	10	...	Cave Valley	4.68	1.49	12	8	7.68
Harmony Hall	...	...	...	...	3.81	Means					
Lancaster	3.00	.97	16	6	4.20	3.95	...	...	...	...	6.25
Vale Royal	2.88	.92	16	10	4.66	WEST CENTRAL DIVISION.					
Colchis Pen	3.78	1.00	17	10	4.73	Farm Plantation.	6.02	.82	22	13	8.83
Hyde	4.58	1.27	4	11	6.38	Brookenhurst Pin. ...	7.74	1.66	22	18	10.40
Georgia	1.93	.85	13	5	3.93	Christiana P. W. D.	9.87	2.90	3	16	...
Steelfield	2.07	.60	4	6	4.34	Kendal P. W. D.	13.28	3.30	4	12	...
Oxford	1.10	.65	18	5	4.04	Mandeville P. W. D.	9.69	2.36	22	13	10.07
Cambridge	1.88	.70	26	9	4.22	Marshalls Pen	...	...	...	...	8.43
Dry Valley	...	...	...	...	...	Ulster Spring P.W.D.	5.09	1.29	6	19	...
Lottery	1.60	.40	3	7	4.55	Troy	10.88	1.72	12	15	...
Falmouth	3.90	...	...	...	3.39	Windsor Pen	8.08	2.00	8&22	19	10.18
Falmouth P. W. D.	2.85	2.36	26	5	...	Balaclava P. W. D.	8.43	3.32	1	12	...
Fontabelle	4.10	.85	20	16	...	Elim	10.03	2.22	17	9	...
Martha Brae	3.30	2.90	26	2	...	Appleton	9.52	2.33	3	13	10.92
Holland Pen	3.30	2.90	26	2	3.47	Magotty P.W.D.	7.39	1.75	12	19	...
Pembroke	...	...	...	...	4.53	Spring Vale	12.70	2.70	20	14	10.49
Golden Grove	...	...	...	...	6.19	Maroon Town	...	...	...	...	12.13
Green Park	2.38	1.70	26	10	4.30	Kempshot	9.56	2.22	22	12	9.23
Tilston	...	...	...	...	5.77	Kepp	11.74	1.98	17	23	11.44
Weston Favell	6.71	1.05	26	17	8.12	Kew Park	6.45	...	...	...	10.90
Orange Valley	...	...	...	...	3.78	Mount Carey	7.75	1.84	13	10	...
Kent	3.78	1.50	3	5	4.70	Windsor Forest	...	...	...	...	11.41
Dundee	3.43	1.18	3	11	4.80	Chester Castle	...	...	...	...	9.43
Phoenix	6.27	.90	18	20	7.23	Darliston P. W. D.	10.50	2.18	17	17	...
Gale's Valley	...	...	...	...	6.75	Whithorn, P. W. D.	13.07	2.51	2	16	...
Greenwood	2.92	1.82	15	3	4.59	New Galloway	12.47	1.92	2	16	...
Canaan	7.60	2.10	18	9	...	Lethe Bridge	11.29	2.45	21	13	...
Content	...	...	...	...	...	Copse	8.77	1.80	22	12	9.75
Bellfield	5.00	1.45	3	9	...	Cacon Castle	11.58	2.50	13	19	9.52
Guilbro'	7.34	1.32	20	10	7.52	Golden Grove	...	...	...	...	13.44
Tryall	3.40	1.90	15	6	...	Great Valley	11.23	2.47	8	...	...
Leogan	...	...	...	...	5.73	Brownville	13.26	2.42	8	17	...
Cinnamon Hill	2.21	.82	15	6	4.09	George's Plain Estate	13.42	4.10	20	11	...
Rose Hall	1.75	.55	15	7	5.06	Fontabelle	12.40	3.25	20	16	10.83
Running Gut	3.10	1.00	15	9	4.22	Morgans Bridge PWD	10.78	4.56	20	18	...
Spring	...	...	...	...	...	King's Valley	12.70	4.50	20	12	13.90
Iroushore	...	...	...	...	4.65	Abingdon	6.95	1.50	23	...	9.79
Friendship	...	...	...	...	...	Means					
Providence	4.80	1.80	2	9	5.43	9.56	...	...	...	...	10.45
Montego Bay P. W. D.	11.38	4.60	20	13	...						
Catherine Hall	12.75	5.25	2	11	6.89						
Catherine Mount	...	...	...	...	6.05						
Fairfield	9.00	3.30	20	13	6.62						
Anchovy	...	...	...	...	8.52						
Eden	...	...	...	...	6.39						
Wiltshire	...	...	...	...	8.19						
Round Hill	5.20	1.40	20	14	5.64						
Flint River	...	...	...	...	...	
Tryall	...	...	...	...	6.70						

SOUTHERN DIVISION.	SEPTEMBER.				
	Total Fall.	1895.		Days on which fell .01 or more fall.	Average.
		Greatest fall in 24 hours.			
		Amount.	Date.		
Morant Point L. H.	3.54	.64	13	15	8.49
Morant Bay, P. W. D.	5.55	1.85	23	16	...
Lyssons	...	...	...	...	...
Easington P. W. D.	5.82	2.17	23	6	...
Abbey	...	...	...	...	8.34
Bull Bay P. W. D.	4.15	3.50	23	2	...
Gordon Town	3.37	1.04	23	6	...
Hope Gardens	4.42	1.06	17	9	6.54
Hope Reservoir	...	...	...	...	...
Cherry Garden	4.48	...	...	14	6.58
King's House	2.00	.80	21	4	4.52
Cavaliers	...	...	...	...	...
Shortwood	4.37	1.43	17	11	...
Constant Spring	...	...	...	...	...
Monaltrie	4.02	1.68	24	11	5.69
Halfway-Tree P.W.D.	2.02	.84	23	7	...
Camperdown	...	...	...	...	...
Public Works Office Kn	1.78	.85	23	6	4.31
Plumb Point L. H.	3.70	1.30	23	6	3.92
Port Royal	...	...	...	...	...
Ferry P. W. D.	4.33	.90	8	9	...
Spanish Town P.W.D.	1.74	.50	7	6	5.21
Windsor Park	...	...	...	...	5.97
Hog Hole Pen P.W.D.	2.03	.66	7	6	6.55
Old Harbour P.W.D.	2.35	1.02	22	6	6.47
Somerset Hall	...	...	...	...	...
May Pen P. W. D.	4.35	1.95	22	8	...
Hermitage	3.23	1.07	21	8	...
Denbigh	...	...	...	...	5.39
Yarmouth P.W.D.	5.34	1.52	24	9	...
Victoria Town P.W.D.	6.07	1.74	17	12	...
Stone's Hope	7.52	2.27	17	14	9.06
Newport P. W. D.	7.76	1.25	17	12	...
Alligator Pond P W D	3.01	1.44	22	6	...
Potsdam	3.29	.80	8	10	7.45
Long Hill	5.06	1.47	8	7	9.47
Pepper	8.17	4.04	17	7	7.99
Torrington P. W. D.	2.28	.56	8	10	...
Bethlehem	2.34	.62	5	7	...
Santa Cruz P.W.D.	8.30	2.64	17	10	...
Holland	5.27	1.20	1	10	...
Black River P. W. D.	5.87	1.37	3	11	5.27
Whitehall	3.84	.73	21	13	...
Font Hill	3.56	...	...	3	...
Grand Vale	...	...	...	...	...
Peter's Ville	8.25	2.14	1	15	...
Mount Edgecombe	9.12	2.30	8	17	7.98
Sweet River	9.64	2.45	20	12	7.80
Windsor, Sav.-la-Mar.	14.03	4.53	2	13	...
Sav.-la-Mar P. W. D.	10.71	4.67	20	9	6.96
Retreat	5.36	2.50	20	8	...
Negril Pt. Lighthouse	6.36	1.78	2	11	...
Means	4.97	...	...	...	6.68

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	SEPTEMBER.	
	1895.	Average.
North Eastern Division	7.08	8.28
Northern "	3.95	5.25
West Central "	9.56	10.45
Southern "	4.97	6.68
Means	6.39	7.66

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.

SEPT.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean Sea-level 6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	Phase of Moon, &c.
2	23.6	21.6	22.5	2.0	
3	24.6	22.0	23.3	2.6	Apogee.
4	25.6	22.2	22.9	1.4	Full Moon.
5	23.4	22.6	22.9	0.8	Decl. 0°.
6	24.8	22.6	23.9	2.2	
7	26.4	21.2	24.0	5.2	
8	27.4	21.6	24.2	5.8	
9	25.6	19.4	22.1	6.2	
10	25.4	19.4	21.4	6.0	Last Q.
11	24.2	19.6	21.1	4.6	Decl. 29° N.
12	25.4	19.2	20.5	6.2	
13	23.2	21.2	22.3	2.0	
14	24.6	22.2	23.6	2.4	
15	26.0	23.8	25.0	2.2	New Moon.
16	25.8	23.0	24.6	2.8	Perigee.
17	27.4	22.4	25.5	5.0	Decl. 0° 18th.
18	25.6	20.8	23.5	4.8	
19	22.4	19.4	20.5	3.0	
20	21.6	18.2	19.2	3.4	Decl. 29° S.
21	22.2	17.6	18.7	4.6	First Q.
22	21.0	19.0	19.7	2.0	
23	20.8	17.0	18.3	3.8	
24	21.8	18.6	19.8	3.2	
25	22.6	20.8	21.5	1.8	Apogee.
Means	24.1	20.6	22.1	3.5	

The greatest monthly fall viz., 18.47 inches was recorded at Fellowship and the smallest viz., 1.10 at Oxford in Trelawny. The greatest fall in 24 hours was 7.40 inches at Fellowship on the 8th. The greatest number of days on which rain fell at any one place was 23 at Kepp. Thirteen stations had in 24 hours falls of between 3 and 5 inches; two falls of between 5 and 7 inches; and one station had a fall between 7 and 10 inches in twenty-four hours.

The mean approximate rainfall for the whole Island for September as arrived at on the 3rd instant was 6.38. This result was obtained from 31 stations with "averages." The results shown in the "Comparative Table" now published are from 79 such stations and show a mean rainfall for the island of 6.39 as compared with an average fall of 7.66. If the Divisions are considered separately the final result for each Division is as follows. The N. E., the N., the W. C., and the S. had respectively 86, 77, 92 and 75 per cent. of the average, the mean being 83 per cent. of the average. The number of stations which had falls over the average were 3 in the N. E., 3 in the N., 4 in the W. C. and 5 in the S. Division.

Below will be found a statement of the Rainfall recorded during this year as compared with the average fall during the months in question. It will be seen that the rainfall for the Island for the nine months was five and a half inches less than, or 89 per cent of, the average.

	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.53
March	2.03	3.04
April	5.50	4.43
May	9.33	9.41
June	2.76	7.02
July	4.52	5.13
August	8.42	7.79
September	6.39	7.66
Total	45.50	51.15

The following notes have come to hand:—

N. E. Div. Burlington—The 6.40 rain commenced at 10 p.m. and stopped at 9 a.m. (on 16).

Gayle.—Very reasonable. Last three days very hot.
N. Div. Providence.—Thundering and lightning accompanied with severe breeze nearly the whole month. Several cocconut trees struck by lightning.

Montego Bay.—This excessive fall (4.60) took place on the afternoon of 20th and seems to have been slight outside a radius of 3 miles from Montego Bay.

Lucea.—1.27 caught in 35 min. on 26th.

W. C. Div. Farm Plantation.—Nice genial showers, lately very warm.

Brockenhurst.—Strong winds the earlier part of the month and heavy thunder and lightning. Thermometer over 89° every day, once 88°.

Mandeville.—Most of these rains have been sharp and sudden showers.

Spring Vale.—The heat has been almost unbearable throughout the whole month. The roaring river came down on the 20th and obstructed passage across it for five days a source of great inconvenience to the travelling public. It shows plainly the necessity for a bridge.

Great Valley.—During the month very heavy thunder and lightning and the heat excessive.

Brownsville.—The damage done to roads on the 8th was greater than anything by a single shower that I remember during the past four years.

Kings Valley.—On the 20th, 4.50 rain fell in three hours, (thunder and lightning).

Abingdon.—A few dry days before full moon, less thunder this month, otherwise weather favourable for us.

Pepper.—We still continue very dry and water is scarce although on the 17th 4.04 of rain fell, on some parts of the Pen it could not have been more than half an inch, there has been no sign of any Seasons this side at all which are much needed.

Windsor (Sav.-la-Mar).—On the 20th there was also a very heavy fall, 4.43.

EARTHQUAKES.

A light shock of earthquake was felt by a few people in Kingston at about 4.25 p. m. on the 30th, which is also reported to have been felt at Shortwood College and Albion ("4.20 p. m.")

Mr. T. S. McNeel reports that there was a light earthquake felt at "12.25 on Saturday morning the 21st."

ROBT. JOHNSTONE.

Kingston, 26th October, 1885.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

OCTOBER, 1895.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Oct. 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
In.	In.	°	°	°	°	°	°	°	°	°	°							
1	29.838	29.787	76.1	88.7	90.9	74.9	18.0	71.7	71.9	86	58	Z	0	E	6	SSE	3	75
2	29.866	29.780	75.9	88.1	90.1	75.0	15.1	71.3	68.9	86	53	Z	0	ESE	6	SSE	2	60
3	29.833	29.761	74.7	88.4	89.8	73.2	16.6	69.2	72.8	83	60	Z	0	SSE	6	SSE	2	51
4	29.887	29.736	76.7	87.8	89.5	74.5	19.0	71.8	72.7	83	61	Z	0	SW	6	SW	4	84
5	29.853	29.796	75.7	86.7	89.9	73.1	16.8	71.4	70.1	87	58	Z	0	S	6	S	2	51
6	29.868	29.845	73.4	86.6	88.2	72.0	16.2	70.6	72.3	90	64	Z	0	SE	5	SSE	2	63
7	29.925	29.838	76.4	87.5	89.7	74.2	15.5	70.4	72.6	85	61	Z	0	SE	6	SE	3	65
8	29.968	29.920	76.4	86.4	89.9	75.7	14.2	73.2	74.3	90	67	Z	1	N	1	SE	3	74
9	29.974	29.840	76.6	80.8	87.5	74.8	12.7	72.0	73.4	86	78	Z	0	E	1	SE	2	44
10	29.942	29.808	73.4	85.4	90.0	72.3	17.7	69.0	73.7	86	68	Z	0	E	3	SE	3	71
11	29.934	29.867	73.7	86.3	89.3	73.0	17.3	70.9	71.6	91	62	Z	0	SE	7	Var.	3	59
12	29.906	29.789	73.5	86.5	89.4	72.8	17.1	70.7	71.7	94	62	Z	0	SE	7	SE	3	61
13	29.859	29.815	74.7	87.4	89.3	72.8	16.5	72.9	71.7	92	58	Z	0	SE	5	SE	2	61
14	29.928	29.888	76.4	80.3	89.3	75.0	14.3	71.6	75.8	85	89	Z	1	SE	1	SE	2	62
15	29.962	29.897	76.7	87.8	88.3	73.3	15.0	73.0	70.8	91	60	Z	1	SE	6	SE	3	65
16	29.927	29.860	74.9	85.4	89.6	73.8	15.8	69.1	71.0	88	62	N	1	N	4	SE	3	72
17	29.861	29.818	74.7	81.6	82.6	73.3	9.2	72.0	69.8	91	68	N	1	SE	7	ESE	4	84
18	29.873	29.810	73.4	80.7	80.8	72.9	7.9	71.5	73.8	94	80	N	1	SE	5	ESE	4	98
19	29.857	29.860	79.4	75.5	84.8	74.4	10.4	71.8	74.5	78	96	N	2	SE	12	SE	6	143
20	29.899	29.828	74.2	78.5	82.7	73.5	9.2	72.5	73.0	94	83	E	2	SE	7	SE	5	110
21	29.866	29.861	75.4	75.6	78.9	73.5	5.4	74.0	72.6	95	91	W	2	SW	5	S	3	69
22	29.929	29.889	76.4	84.7	85.8	73.7	12.1	75.2	74.0	96	71	Z	3	SE	4	S	2	45
23	30.001	29.927	73.6	83.3	86.9	71.8	15.1	70.8	76.0	91	80	Z	3	E	3	E	2	49
24	29.994	29.912	73.9	88.4	90.6	71.4	12.2	69.4	72.8	86	60	Z	3	E	3	E	2	44
25	29.958	29.879	76.5	78.6	88.8	74.9	13.9	73.1	76.4	82	92	Z	0	N	3	Var.	2	50
26	29.928	29.870	76.0	79.4	87.8	75.3	12.5	71.9	76.2	87	90	N	1	N	3	Var.	2	58
27	29.960	29.903	74.5	86.4	87.3	73.6	13.7	72.1	70.6	82	61	Z	0	N	3	SE	3	74
28	30.024	29.896	73.7	87.4	90.4	73.9	17.1	69.4	70.7	87	58	Z	0	SE	8	SE	4	83
29	30.007	29.904	74.4	83.2	88.7	74.4	14.3	70.9	73.3	89	72	N	1	SE	11	SE	4	84
30	29.975	29.873	73.0	87.1	89.5	71.8	17.7	67.6	69.7	83	64	NE	1	SE	10	SSE	2	92
31	30.015	29.899	73.6	85.6	89.0	71.8	17.2	68.1	69.6	83	59	Z	1	SE	10	SSE	5	111
Means.	29.928	29.858	76.0	84.4	88.0	73.5	14.5	71.5	72.6	88	69	Var.	.5	SE by E	5.6	SE by S	3.0	70.8



KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Oct. 1895.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	3 Cir.	1 Cir. Cum.	...	1 Cum.	Ins.	Fine.
2	1 Cir. c.	2 Cir.	8 Cum & Cum. s.	2 Cum. SE	0.00	Cloudy a.m. Fine p.m.
3	2 Cir.	2 Cir. s.	...	2 Cum.	0.00	Fine.
4	3 Cir. s.	6 Str. Cir.	7 Str. Cum.	2 Cum.	N 0.00	Cloudy.
5	1 Cir. s.	2 Cir. s.	2 Alt. s.	4 Cum.		Fine a.m. but hazy. Cloudy p.m. Thunder to SE at 5 p.m. Rain 10 p.m. with lightning.
6	6 Cir.	1 Cir.	1 Cum.	2 Alt. s.	0.13	Fine.
7	2 Cir. s.	2 Cir. s.	1 Cum.	8 Cum.	0.00	Fine.
8	1 Cir. s.	4 Cir. s.	1 Cum. SE	4 Cum.	SE 0.00	Cloudy. Rain at 5 a.m. to 5.9 a.m. Thunder to SE at 9 p.m.
9	2 Cir.	1 Cir.	3 Cum.	5 Cum.	SE 0.03	Fine a.m. Thunder to N at 10.45 a.m. Rain at 11.5 to 11.16 a.m. Lightning at noon. Cloudy p.m. Rain at 4.20 to 4.35 p.m.
10	3 Cir. s.	4 Cir. s.	1 Str. Cum.	5 Alt. s.	SE 0.39	Fine a.m. Rain at 12.20 to 1.3 p.m. Fair p.m. Rain at 3.55 to 4.30 p.m. and at 4.40 to 5.35 p.m. Thunder at 5.35 p.m. SW.
11	4 Cir. s.	...	2 Cum. E	5 Nim.	SE 0.97	Fine but hazy. Cloudy p.m. Rain from 4 p.m. to 4.45 p.m. Thunder at 4.45 p.m. SW.
12	5 Cir. s.	...	5 Str. Cum. SE	3 Cum. SE	0.00	Cloudy.
13	2 Cir. s.	1 Cir. s.	...	4 Nim.		Fine a.m. but hazy. Fine p.m.
14	...	1 Cir. s.	...	1 Cum.		
15	1 Cir.	1 Cir. s. SE	...	2 Str. Cum. ESE	0.24	Fine a.m. Rain at 1.10 to 1.40 p.m. and at 4.30 to 4.34 p.m.
16	4 Cir.	1 Cir. s.	2 Str. Cum.	4 Cum. SE	0.00	Fair a.m. Fine p.m.
17	2 Cir. s.	2 Cir. s.	...	5 Cum. E	0.00	Fine a.m. Cloudy p.m. Thunder to NE at 1.20 p.m. and at 5.16 p.m. Lightning at 5.55 p.m. Rain at 5.57 to 6.12 p.m. and again at 7.30 to 9.10 a.m.
18	...	...	8 Str. Cum.	2 Nim.	0.34	Cloudy a.m. Light Rain at 7.27 to 8.5 a.m. Rain at 8.55 to 9.5 p.m.
19	...	...	2 Alt. s.	10 Str. Cum.		Raining a.m. Rain from 7.10 to 8.14 a.m. & from 8.37 to 10.48 a.m. Cloudy p.m.
20	...	...	1 Str. Cum. SE	1 Cum. SE	0.08	Fair a.m. Rain at 9.56 to 9.38 a.m. and at intervals from 11.37 a.m. to 5.22 p.m. and during the night.
21	...	...	9 Nim.	9 Str. Cum.	2.00	Raining a.m. Rain from 7.40 to 9.47 a.m. and from 12.46 to 12.52 p.m. also during the night.
22	...	...	2 Cum.	10 Nim.	1.52	Raining a.m. Rain from 7.10 a.m. and during the day also at 3 p.m.
23	...	...	2 Str. Cum.	7 Str. Cum.	0.98	Cloudy a.m. Thunder to NW at 6.2 a.m. Rain at 6.25 to 7 a.m. Fine p.m. Rain at 6.3 to 7.11 p.m.
24	...	1 Cir.	8 Alt. s.	10 Nim. SW	0.23	Fine a.m. Fair p.m.
25	...	1 Cir.	2 Nim.	2 Cum. SE	0.00	
26	1 Cir. s.	1 Cir. s.	...	2 Str. Cum. S		
27	7 Cir. & Cir. s.	3 Cir. s.	1 Cum.	7 Cum. E	0.00	Fine.
28	...	...	3 Str. Cum. E	3 Cum. NE	0.01	Fair a.m. Rain at 11.55 a.m. to 12.14 p.m. Cloudy p.m. Lightning throughout the night.
29	1 Cir. s.	...	2 Cum. SE	1 Alt. Str.	0.26	Fair a.m. Rain at 10.52 a.m. with intervals to 2.37 p.m. Thunder at 12.6 p.m. from N. Sharp peal of Thunder from N at 12.19 p.m. Raining 3 p.m. Thunder and lightning all night.
30	1 Cir. s. W	1 Cir.	6 Str. Cum. E	8 Nim.	0.02	Cloudy a.m. Thunder 11.4 to 11.10 a.m. from N. Rain from about 11.30 a.m. to noon.
31	1 Cir. s. E	1 Cir. s.	...	1 Cum. E	0.00	Fair a.m. Cloudy p.m.
32	4 Cir. s.	4 Str. Cir.	...	2 Cum. E		
33	1 Cir. s.	1 Cir. s.	...	3 Str. Cum. E	0.00	Fine a.m. Cloudy p.m.
34	4 Cir. s.	2 Cir. s.	...	4 Str. Cum. E	0.00	
35	5 Cir. & Cir. s.	1 Cir. s.	...	2 Str. Cum. E	0.00	Fine.
36	1 Cir. Cum.	4 Alto Cum.	1 Cum. E	3 Cum. E	0.00	Fine a.m. Fair p.m.
37	2 Cir. & Cir. s.	2 Cir. s.	...	...	...	...
Means.	21 o/o	17 o/o	33 o/o	56 o/o		
Total					7.21	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.					Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.	
King's House	400	78.4	84.8	89.5	67.9	21.6	71.1	73.6	93	82	96	7	66	4*	30	11.30
Castleton Gardens	580	70.6	81.3	86.9	68.1	18.8	69.8	73.2	96	76	92	1&3	66	19†	26	12.79
Hope Gardens	600	73.2	82.4	86.4	70.0	16.4	71.4	78.0	93	87	92	1, 2&3	68	5†	24	13.76
Stony Hill Reformatory	1,400	73.2	78.5	83.9	69.1	14.8	70.9	74.9	92	89	88	3	67	20	21	16.00
Cinchona Plantation	4,907	61.6	65.2	68.4	58.3	10.1	59.5	63.3	93	83	73	24	56	15‡	17	29.40

* also 7 other days. † also 29. ‡ and 4 other days § and 24.

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:—

	OCTOBER.	
	1895.	Average.
Infantile diseases not otherwise specified ...	18	13
Lung diseases ...	12	14
Fever and Malaria ...	2	7
Dysentery and Diarrhoea ...	12	4
Various ...	53	54
Total	97	92

CINCHONA PLANTATION.

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

		in.
Barometric pressure	7 a.m.	25.303
" "	3 p.m.	25.272
Temperature—		
6 feet underground	7 a.m.	62.9
" "	3 p.m.	62.9
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		29.1

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial
		Max.	Min.				
1895.					in.		
January 31st ...	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th ...	1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	W. H.
April 1st ...	11.30 a.m.	63.9	40.8	57	4.40	Cloudy.	W. H.
April 30th ...	5 p.m.	68.9	41.8	...	20.07	Fine and clear.	D. H.
May 31st ...	3.45 p.m.	62.9	45.8	53	15.20	Heavy rain; very cold.	W. W.
June 30th ...	8 a.m.	67.9	46.8	52	4.60	Heavy mist.	W. H.
July 31st ...	12.30 p.m.	64.9	44.8	55	3.10	Fine a.m.; rain p.m.	W. H.
August 31st ...	7.30 a.m.	67.9	46.8	54	24.25	Fine but misty	W. H.
September 30th ...	2 p.m.	70.9	48.8	64	7.25	Cloudy.	D. W.
October 31st ...	10 a.m.	68.9	46.8	54	12.20	Fine but misty	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR OCTOBER, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 column, only those Stations are considered for which the average Rainfall has been given in the second column; so that the results 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.	OCTOBER.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Herdley	11.53	1.85	19	15	14.95
Manchioneal	13.88	3.40	17	21	...
Bath P. W. D.	16.14	2.35	19	23	...
Mt. Ephraim P. W. D.	24.37	4.40	4	23	...
Port Antonio P. W. D.	14.19	2.81	18	18	13.39
Fellowship P. W. D.	14.84	2.00	26	15	...
Serge Island	11.77	2.42	20	17	...
Coley Estate	15.28	3.52	20	17	...
Burlington	12.56	1.52	26	20	...
Shrewsbury P. W. D.	20.69	7.14	25	18	...
Cedar Valley P. W. D.	30.06	6.04	20	20	...
Green Vale	12.24	7.70	26	19	...
Cinchona Plantation	29.35	9.35	20	23	17.38

NORTH-EASTERN DIVISION, contd.	OCTOBER.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Buff Bay P. W. D.	12.78	6.71	25	...	...
Cold Spring	13.47	3.00	19	12	...
Hardware Gap	21.00	...	...	...	...
Rose Hill	14.39	2.60	17	17	...
Annotto Bay P. W. D.	14.02	3.00	25	15	...
Stony Hill Betty	18.00	3.30	19	15	13.30
Castleton Gardens	12.79	4.10	25	17	13.71
Lawrence's Tavern P. W. D.	10.94	1.49	19	16	...
Albany, P.W.D.	15.23	6.75	25	16	...
Quebec	16.20	6.00	25	17	8.35
Richmond P. W. D.	8.85	5.66	25	11	...
Highgate P. W. D.	13.15	5.40	25	17	...
Gayle	20.00	7.50	24	10	11.11
Gayle P. W. D.	18.73	7.50	25	17	...
Rio Hoe	10.39	2.28	25	11	10.29
Unity Valley	16.42	2.90	6	19	8.39
Moneague P. W. D.	11.66	3.20	19	15	...
Claremont	8.25	2.33	25	11	...
Albion	10.01	1.75	16	16	8.14
Averham Park	10.14	2.86	25	20	5.69
Ballintoy	9.08	1.59	19	13	...
Means	15.37				11.34
* Gauge overflowed.					

OCTOBER.						OCTOBER.					
NORTHERN DIVISION	1895.					NORTHERN DIVISION contd.	1895.				
	Total Fall	Greatest fall in 24 hours.		Days on which .01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which .01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
	In.	In.			in.	in.					
Port Maria P. W. D.	15.10	6.84	25	13	7.74	Tryall	...	...	...	6.67	
Drax Hall	7.82	1.87	25	14	7.00	Sandy Bay P. W. D.	5.93	1.00	14	8	
St. Ann's Bay P.W.D.	7.09	1.94	25	14	...	Kew	...	...	...	7.91	
Seville	...	...	...	...	6.09	Lucea P. W. D.	7.89	2.32	4	9	
Richmond Estate	...	...	...	...	8.14	Thorahill, Lucea	...	...	...	...
Llandoverly	9.25	2.05	26	1	7.53	Haughton Court	...	...	...	5.54	
Southfield	...	...	...	...	...	Orange Cove	...	...	...	7.69	
Brown's Town P.W.D.	8.33	2.60	26	13	...	CENTRAL SUB-DIVISION—					
Home Castle	8.21	1.52	4	11	6.13	Headworks, R. C. C.	10.44	1.50	19	14	9.09
Richmond Pen	7.90	2.05	22	15	6.61	Linstead P. W. D.	12.70	2.85	20	14	8.80
Mahogany Hall	9.55	2.00	27	14	6.26	Point Hill, P.W.D.	13.69	3.00	19	20	...
Braco	7.52	1.45	3	16	4.95	Harker's Hall P.W.D.	10.62	2.33	19	18	...
Arcadia	6.31	1.29	19	17	5.55	Chapelton P. W. D.	13.68	4.05	19	18	11.68
Arcadia Great House	5.88	1.50	19	13	...	Danks-Savoy	...	...	...	...
Harmony Hall	...	...	...	...	4.62	Cave Valley	9.13	2.54	19	12	9.45
Lancaster	7.18	1.25	3	17	5.50	Means	8.08	...	...	...	6.28
Vale Royal	8.84	1.60	19	16	6.08	WEST CENTRAL DIVISION.					
Colchis Pen	12.25	3.32	21	14	6.14	Baillieston	9.49	4.82	19	12	...
Hyde	9.38	2.12	16	11	7.16	Farm Plantation	21.09	6.85	19	15	13.84
Georgia	8.19	1.87	3	12	5.67	Brookenhurst Pln. ...	19.99	5.95	19	16	10.60
Steelfield	7.77	1.32	19	12	5.94	Christiania P. W. D.	13.22	3.00	20	18	...
Oxford	6.90	1.50	19	16	6.93	Kendal P. W. D.	15.09	5.75	19	15	...
Cambridge	7.21	1.20	8	15	5.84	Mandeville P. W. D.	15.84	6.09	19	21	17.19
Dry Valley	...	...	...	...	...	Marshalls Pen	...	...	...	...	12.89
Lottory	6.95	1.40	19	13	5.92	Ulster Spring P.W.D.	8.48	2.12	19	18	...
Falmouth	5.43	...	...	...	5.55	Troy	11.88	2.53	21	18	...
Falmouth P. W. D.	4.78	1.37	4	14	...	Windsor Pen	10.70	2.00	6	18	7.03
Fontabelle	6.75	1.20	19	16	...	Balsclava P. W. D.	17.26	...	...	...	13
Martha Brae	...	...	...	...	...	Elim	18.56	3.71	19	14	...
Holland Pen	5.31	1.50	19	7	4.44	Appleton	18.29	4.50	19	21	11.51
Pembroke	...	...	...	...	5.22	Magotty P.W.D.	20.64	4.87	19	21	...
Golden Grove	...	...	...	...	6.06	Spring Vale	10.27	2.00	19	16	8.81
Green Park	7.36	2.20	19	18	5.09	Maroon Town	...	...	...	...	11.02
Tilston	...	...	...	...	6.28	Kempshot	10.81	2.10	9	13	6.86
Weston Favell	8.55	1.45	8	18	6.63	Kepp	14.10	2.68	21	22	10.76
Orange Valley	...	...	...	...	5.15	Kew Park	12.01	...	...	...	9.54
Kent	5.39	1.50	19	14	6.57	Mount Carey	6.45	1.33	21	8	...
Dundee	8.44	1.67	19	15	5.46	Windsor Forest	...	...	...	...	12.49
Phoenix	12.87	2.00	9	24	8.51	Chester Castle	...	...	...	...	8.05
Gale's Valley	...	...	...	...	5.88	Darliston P. W. D.	17.97	2.10	21	22	...
Greenwood	5.96	1.75	18	7	4.65	Whithorn, P. W. D.	12.32	2.18	21	17	...
Canaan	7.70	1.40	19	10	...	New Galloway	11.35	2.20	20	14	...
Content	...	...	...	...	...	Lethe Bridge	7.01	1.48	9	13	...
Bellfield	9.47	1.65	8	14	...	Copse	12.15	2.75	14	13	8.96
Guilabro'	7.96	1.85	16	14	6.51	Cacoon Castle	14.13	3.07	9	12	7.83
Tryall	5.87	1.55	20	10	...	Golden Grove	...	...	...	...	9.45
Leogan	...	...	...	...	7.21	Great Valley	10.57	1.80	21	...	...
Succoes	4.72	1.25	19	9	5.37	Brownsville	9.96	2.00	14	16	...
Cinnamon Hill	4.75	1.70	19	9	3.69	George's Plain Estate	8.35	1.70	30	16	...
Rose Hall	5.15	1.60	19	9	4.17	Fontabelle	7.49	1.62	23	17	9.81
Bunning Gut	4.62	1.00	19	12	4.77	Morgans Bridge PWD	9.33	1.40	13	14	...
Spring	4.75	1.30	19	10	...	King's Valley	9.80	2.00	19	11	11.56
Ironshore	...	...	...	...	4.85	Abingdon	6.55	1.50	14	14	7.23
Friendship	...	...	...	...	...	Means	13.06	...	...	...	10.11
Providence	4.09	1.24	4	12	4.83						
Montego Bay P. W. D.	6.98	1.52	6	15	...						
Catherine Hall	...	...	...	...	6.76						
Catherine Mount	...	...	...	...	6.65						
Fairfield	6.56	1.89	4	12	6.10						
Anchovy	...	...	...	...	6.99						
Eden	...	...	...	...	6.96						
Wiltshire	...	...	...	...	7.13						
Round Hill	7.80	1.70	19	13	5.14						
Flint River	...	...	...	...	...	

SOUTHERN DIVISION.	OCTOBER.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours.		Days on which .01 or more fell.	
		Amount.	Date.		
	in.	in.			in.
Morant Point L. H.	10.35	1.57	17	21	10.44
Morant Bay, P. W. D.	14.31	2.15	21	20	...
Lyssons	13.89	1.60	20	21	...
Easington P. W. D.	8.56	2.05	19	13	...
Abbey	22.41	7.10	20	21	11.89
Bull Bay P. W. D.	11.74	6.50	21	6	...
Gordon Town	13.10	4.00	20	12	...
Hope Gardens	14.39	3.67	21	17	8.45
Hope Reservoir	12.33	3.18	19	18	...
Cherry Garden	13.57	3.50	21	16	9.16
King's House	11.30	3.50	19	11	8.54
Cavaliers	8.89	3.76	18	12	...
Shortwood	13.31	3.56	20	14	...
Constant Spring	9.55	1.70	21	17	...
Monaltrie	11.47	3.31	20	16	8.56
Halfway-Tree P.W.D.	8.42	2.40	21	11	...
Camperdown	...	...	...	...	...
Public Works Office Kn	7.21	2.00	19	15	7.48
Plumb Point L. H.	6.59	1.63	21	12	7.48
Port Royal	...	...	...	...	...
Ferry P. W. D.	9.55	2.5	20	14	...
Spanish Town P.W.D.	9.37	2.32	20	17	7.72
Windsor Park	9.92	1.85	20	15	6.39
Hog Hole Pen P.W.D.	10.35	2.00	19	18	7.85
Old Harbour P.W.D.	10.70	1.93	19	15	9.72
Somerset Hall	16.57	3.15	19	11	...
May Pen P. W. D.	14.09	3.50	20	15	...
Hermitage	11.91	3.00	20	9	...
Denbigh	...	...	...	...	8.33
Yarmouth P.W.D.	10.10	3.23	20	11	...
Victoria Town P.W.D.	13.49	3.70	19	17	...
Stone's Hope	18.09	5.75	19	14	10.89
Newport P. W. D.	15.06	3.81	21	12	...
Alligator Pond P.W.D.	8.40	3.88	20	8	...
Potsdam	13.35	5.35	19	15	8.77
Long Hill	16.87	4.35	20	13	10.43
Pepper	16.15	3.88	23	11	11.16
Torrington P. W. D.	14.89	5.82	19	16	...
Bethlehem	13.29	4.10	19	13	...
Santa Cruz P.W.D.	12.55	4.87	19	15	...
Holland	10.61	3.70	19	14	...
Black River P. W. D.	10.47	2.62	19	8	8.69
Whitehall	9.78	2.60	19	15	...
Font Hill	6.45	...	...	...	...
Grand Vale	...	...	...	...	...
Peter's Ville	10.78	2.58	19	18	...
Mount Edgecombe	8.17	2.18	19	17	9.48
Sweet River	15.15	2.45	21	13	8.57
Windsor, Sav.-la-Mar.	9.77	2.15	26	15	7.70
Sav.-la-Mar P. W. D.	10.00	3.20	20	13	...
Retreat	...	...	...	...	...
Negril Pt. Lighthouse	8.16	1.50	23	10	...
Means	12.28	...	...	...	8.97

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)
OCTOBER.

	1895.		Average.
	In.	In.	
North Eastern Division	15.87	11.34	
Northern "	8.03	6.28	
West Central "	13.06	10.11	
Southern "	12.28	8.97	
Means	12.18	9.18	

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.

Oct.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean Sea-level 6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	Phase of Moon, &c.
1	22.2	20.8	21.5	1.4	Decl. 0° Full Moon.
2	22.6	21.2	21.8	1.4	
3	25.0	20.8	22.1	2.2	
4	23.2	21.4	22.7	1.8	Decl. 28° N. 9th.
5	23.8	19.4	22.7	4.4	
7	23.0	18.8	21.1	4.2	
8	22.8	16.2	20.0	6.6	Last Q.
10	22.6	16.0	18.2	6.6	
11	21.0	16.8	18.2	4.2	
12	22.8	16.4	17.8	6.4	Decl. 0° Peri-gee.
14	20.4	18.8	19.5	1.6	
16	23.4	19.4	22.1	4.0	
17	24.6	18.8	22.5	5.8	New Moon.
18	24.6	19.0	22.4	5.6	
19	25.0	17.0	22.6	8.0	
21	22.0	16.2	19.3	6.8	Decl. 28° S.
22	22.6	14.8	18.5	7.8	
24	20.4	15.4	17.0	5.0	
25	18.2	15.6	16.2	2.6	First Q. Apogee.
28	19.2	17.6	18.5	1.6	
29	18.0	16.8	17.4	1.2	Decl. 0°.
30	19.6	17.0	18.6	2.6	
31	21.6	18.0	20.1	3.6	
Means	22.0	18.0	20.0	4.0	

The greatest monthly fall viz., 30.06 inches was recorded at Cedar Valley P.W.D. and the smallest viz., 4.09 at Providence in St. James. The greatest fall in 24 hours was 9.35 inches at Cinchona Pln. on the 20th. The greatest number of days on which rain fell at any one place was 24 at Phoenix. Thirty-three stations had in 24 hours falls of between 3 and 5 inches; thirteen falls of between 5 and 7 inches; and seven stations had a fall between 7 and 13 inches in twenty-four hours.

The mean approximate rainfall for the whole Island for October as arrived at on the 5th instant was 12.66. This result was obtained from 37 stations with "averages." The results shown in the "Comparative Table" now published are from 82 such stations and show a mean rainfall for the island of 12.18 as compared with an average fall of 9.18.

The rainfall for October, was about one-third above the average in every Division, the "Seasons" having been generally experienced all over the Island. While this is so, two stations in the N. E. Division, six stations in the N. Division, four stations in the W.C. Division and four stations in the S. Division had falls below the average, in most cases, however, not much below and in no case as much as a fourth below. On the other hand in the way of excess, there were not many large departures from the average, most stations having a steady excess of a third or a fourth. Quebec, Gayle, Unity Valley, Averham Park, Port Maria, Colchis Pen, Cacoen Castle and The Abbey are the stations which had about twice the average.

Below will be found a statement of the Rainfall recorded during this year as compared with the average fall during the months in question. It will be seen that the rainfall for the Island for the ten months was two and a half inches less than, or 96 per cent of, the average, the excess in October having brought the fall nearly up to the average.

	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.53
March	2.03	3.04
April	5.50	4.43
May	9.33	9.41
June	2.76	7.02
July	4.52	5.13
August	8.42	7.79
September	6.39	7.66
October	12.18	5.18
Total	57.68	60.33

The following notes have come to hand:—

N. E. Div. *Cinchona Pln.*—Heavy rains 19th to 21st, for the three days we have recorded 21.10 inches.

N. Div. *Rose Hall.*—Has had only 9.20 for 5 months. Very small rainfall for October and very little rain since middle of May in this district. Crops have suffered in consequence.

Spring.—Several rains have passed, falling along the hillsides only a few chains from the cane fields.

W. C. Div. *Mandeville.*—Heavy wind on Sunday night, 20th.

Elim.—Between the 19th and 22nd we had 10.69 inches with strong gusts of wind from the south.

Applaton.—9.19 fell during 19th, 20th, and 22nd. This October rainfall is the largest rainfall for 18 years.

Kepp.—7.08 inches fell on three days, 19th, 20th and 21st.

Copse.—From the 20th to the 22nd blew a hurricane from the S.W. laying stretches of canes flat.

Great Valley.—On 20th and 21st had gale of wind from Sou' Sou' West, it blew very hard on those nights with heavy rain squalls. Heat was very great just before the storm.

Brownsville.—Cyclonic weather 19th, 20th and 21st.

Fontabelle.—A strong southerly wind with rain storms on 19th, 20th and 21st.

Abingdon.—Distant thunder, gusts of wind and rain, three days storm.

S. Div. *Windsor Park.*—From 18th to 20th we had constant heavy squalls with rain.

Stone's Hope.—Between the afternoon of the 19th and the 21st, 13.57 inches fell. Strong S.E. wind on Saturday 19th almost amounting to a hurricane. A number of trees up-rooted and broken off.

Long Hill.—On 23rd we had a thunderstorm and 2.47 in. fell in less than an hour. I had a very valuable mare killed by lightning.

Pepper.—Season rains began on Friday evening and continued till Wednesday the 23rd, during which time the fall was 12.70.

Black River.—Very heavy blowing in Black River harbour on 19th, 20th, and 21st.

EARTHQUAKES. *Albion.*—Slight shock of earthquake at 3.15 a.m. on the 3rd.

The Abbey.—Earthquake on 1st October, between 12 and 1 a.m., another between 3 and 4 a.m. and 3 and 4 p.m. 2nd October, between 11 and 12 p.m., reported from Yallahs Bay. 7th October slight shock of earthquake about 9 p.m.

LIGHTNING.—An unusual incident occurred at Fogo in St. Thomas on Saturday night last about 9 o'clock. It appears that a lad was smoking his pipe in his room, when a flash of lightning struck him across the abdomen, turned himself and bed upside down split the rafter in two, also split his whip which was over his head, dug up the earth beside him, and set fire to the house. The unfortunate lad was conveyed to the Hospital. (*Gleaner*, 30th Oct. 1895.)

BAROMETRICAL DEPRESSIONS IN OCTOBER, 1895.

No. 1.—On Sunday the 29th September, the pressure began to give way with a drop of over half a tenth of an inch during the preceding night, so that on the afternoon of the 29th the barometer (29.811^o) was a tenth of an inch below the mean. On the 30th the bar. was a little lower and at 1 p.m. a Special Weather Telegram was despatched to Montego Bay giving the Kingston readings and adding "Weather Fine, probably far distant cyclone similar to October two years ago." The Montego Bay readings were practically the same as those at Kingston, the weather there was calm and clear next morning (1st Oct.) and Mr. Maxwell Hall wired in reply that he considered the above explanation correct, ("The cyclone of the early part of October, 1893, will be found described in The Jamaica Weather Report for that month and passed up far to the North of Jamaica. It was the one which the Atlas S. S. "Ailsa" encountered for three days.) Daily telegrams continued to be exchanged between Kingston and Montego Bay and notices issued with the daily weather reports and on the 3rd it was notified that the cyclone was probably far the North of Jamaica that morning. The Pilot Chart for November lately received shows a cyclone in such a position (N. of Jamaica and of the Bahamas) on that morning and from the chart it would appear further the cyclone at that point was the result of the combination of two depressions viz., the one from the South and Eastward which we had been considering and another from the South and Westward, which had travelled North Westward over the Westend of Cuba. After this date (3rd) the Pilot Chart shows the storm to have travelled N. E. roughly speaking, following the trend of the American Coast with its centre about four hundred miles away. It passed over Newfoundland and then curved right across the N. Atlantic till its centre on the 10th was off the Bay of Biscay.

The Atlas S. S. "Adirondack" left New York at noon on Saturday the 28th Sept. and arrived at Kingston at about noon on Friday the 4th October, instead of the afternoon of the 3rd the time when she was expected, being thus about eighteen hours late. The delay was owing to her having met this cyclone, and the following particulars are taken from extracts from her log which Capt. Sanson kindly furnished. At noon on the 1st his position was Lat. 28° 31' N. Long., 74° 20' W. At 2 p.m. direction of Wind N. E., moderate winds and rain showers wind and sea falling At 7 p.m. Wind East; light and variable winds and rainy At 8 p.m. Wind S. E., heavy northerly swell sometimes S. E. swell. At 9 p.m. wind variable. At midnight wind S. E., rainy, strong breeze with thunder and lightning during watch. At 1 a.m. October 2nd Wind S. E. Moderate gale, heavy squalls and light rain with cross sea, Southerly and Easterly. From this time the S. E. wind continued and the barometer also continued to fall the lowest point being at 6 a.m. and at 6.15 a.m. slowed engines. Strong wind and high sea and rain squalls, shipping water fore and aft, stormy looking weather, 7.54 proceeded full speed." At 11 a.m. strong breeze and rough sea. At noon the wind was S by E, sky overcast and the ship's position by dead reckoning was Lat. 24° 43' N. Long., 74° 21' W. At 1 p.m. wind Sly, continuation of dirty unsettled weather heavy rain squalls. At 2.50 sighted Watling Light House. At 4.41 a.m. (3rd) passed Castle Island after which the wind was, S., S. S.W., West, W. N. W., S.W. and W. N. W. At 3 p.m. rounded Cape Maysi and 4.55 p.m. passed "Ailsa" going North. At 5.30 a.m. (4th) sighted Morant Point Light House and at 10 a.m. Plumb Pt., bore North.

The Atlas S. S. "Ailsa" left Kingston during the night of Wednesday the 2nd and passed the "Adirondack" as above stated. After leaving the Crooked

* Corrected for Diurnal Variation.

Island passage and Fortune Island and getting into the open sea, she met a heavy lumpy sea first from the West and then from the NE. with squalls. She had a heavy sea all the way up to New York, and was delayed 24 hours in the run from Kingston, arriving at New York on Tuesday evening (8th) instead of Monday evening (7th.)

Captain Howell of the S.S. "Dorian" reports that he left New York on 3rd October for Kingston and that on evening of 3rd bar. commenced to drop, and he got the full cyclone on the 4th; he was hove to for 48 hours and got in the centre; his heaviest wind was from the S.

The "Iolanthe" American 3 masted Schooner arrived in Kingston on Saturday evening 19th Oct. having left New York on the 25th September. He lay to for two days 180 miles to the east of Cape Hatteras on 2 3rd and 4th October, wind hurricane force and mountainous sea; he was heavily laden with coal and the seas were washing over him. On the 4th he met a barquentine with mizen mast gone.

The S.S. "Andes", Capt. McKnight left New York on the 2nd for Port au Prince and met the cyclone on the 4th and 5th. The following are particulars kindly supplied by Capt. McKnight taken from a form filled up by him for the "New York Herald" Weather Service.

DATE AND HOUR.	Position.		Barometer Corrected.	Wind		Clouds, (lower.)	Sea Set.	Weather.
	Lat N.	Long. W.		Dir. (from.)	Force. B. S.			
Oct., 1895 3rd-noon.	36° 40'	74° 04'	30.17	E.N.E.	6	10	N.E.	Strong breeze increasing.
4 p.m.	...	...	.09	N.E.	8	10	N.E.	do.
midnight	...	...	29.97	N.E.	8	10	N.E.	Heavy rain squalls.
4th-4 a.m.	...	...	.87	N.E.	8	9	N.E.	Strong gale, high sea.
8 a.m.	39° 40'	74° 18'	.86	N.N.E.	8	9	N.N.E.	Rain squalls.
Noon	39° 10'	74° 18'	.82	N.N.E.	8	9	N.N.E.	Same wind and weather.
4 p.m.	...	...	.73	North	9	9	North	Strong gale.
Midnight	...	...	.77	N.W.	8	8	N.W.	Wind and sea decreasing.
6th-4 a.m.	...	...	.76	N.W.	7	7	N.W.	Fresh gale, rain squalls.
8 a.m.	29° 46'	74° 26'	.81	N.W.	6	6	N.W.	Wind and sea decreasing.
Noon	29° 04'	74° 28'	.88	N.W.	5	5	N.W.	Fresh breeze, high sea.
4 p.m.	...	...	.87	N.W.	5	5	N.W.	Clear weather.
Midnight	...	...	.97	N.W.	2	4	N.W.	Light breeze, high swell, clear weather.

Capt McKnight adds, "This storm was expected and prepared for. Whilst probably a severe cyclone in the tropics it did not lose intensity when it travelled North, but extended in diameter, the centre thus receding from the ship * * * At one time it was doubtful whether the storm had recurved, but from all indications I could perceive there was the best to show that the ship was in the lefthand semicircle. In this way also the wind noted does not give actual force but only apparent force to observers. In running a ship in the navigable part of a true cyclone this is apparent—it is well to increase force of wind—after you get out of it."

The "Andes" was thus on the West of the cyclone being between it and the American coast while the "Adirondack" (v. a.) was on the East of the cyclone.

The Kingston lowest barometer was at 3 p.m. on the 4th 29.7830, about a tenth and a half below the mean, and it was not until the evening of the 7th that it had risen to the mean.

With regard to the portion of this storm which came from the S. W. the Pilot chart shows a curious curve in which it travelled to the West of Cuba from the Gulf of Mexico, first travelling from the N. W. (!) and in the daily telegrams published in Kingston on the 9th October it is stated that "recent cyclone at Pinar del Rio caused loss of life from floods," so that very likely heavy rain was probably the chief or noticeable part of this depression over the West of Cuba.

No. 2. There was a sudden drop of the barometer over Jamaica on Saturday the 12th Oct., and telegrams were changed between Kingston and Montego Bay, in the afternoon, and the barometer was a tenth of an inch below the mean for nearly twenty four hours but beyond some rain there was nothing of any consequence to be recorded.

No. 3. On Saturday the 19th October, "Seasons" were being generally experienced over Jamaica. In Kingston we had some heavy rain squalls, the general direction of which may be put at South, with variations to the S. E. and S. W. The barometer had been low but steady on the 17th and 18th and at 7 a.m., 19th was almost a tenth of an inch below the mean. At 3 p.m. it had risen over half a tenth and on the 20th although a little lower was steady and higher than it had been for the past three days. On Monday the 21st at 7 a.m. it was practically the same and by 3 p.m. it had risen considerably till at 3 p.m. on the 22nd it was at the mean.

On Monday morning the 21st the following telegram was received from Mr. Maxwell Hall, Montego Bay. "At seven bar. 29.776 Wind S., 5 miles Lower clouds from South. Rain began Saturday afternoon. Wind rose yesterday afternoon from South. Depression apparently developing off west end of the island." On the 21st at Montego Bay there was no wind to speak of, nothing beyond a gentle wind from the S. S. W., according to the report of Mr. Hall, but the sea in that open roadstead was very rough, the case being apparently correctly described by "The Cornwall Times" in the words a 'heavy ground swell'. Several droghers including the steam tug "Iceicle" were driven ashore and smashed up and the lives of two men were lost while an endeavour was being made to put out an extra anchor. On the 22nd the wind and clouds at Montego Bay came from the West. On the afternoon of the 2nd Mr. Mason at Santiago, with whom we were also in telegraphic communication, wired "centre of a closed island (of Cuba) passing East Oienfeugas yesterday evening". On receipt of this it was apparent that the Cayman Islands must have been in the path of what, over Jamaica, was only an undeveloped and ill-formed depression but had apparently by the time it

* Corrected for Diurnal Variation.

reached Cienfuegos formed into a cyclone. The sea at Montego Bay had thus been raised by the cyclone away to the W. N. W., giving the "ground swell" already referred to. The heavy rains experienced generally over the island resulted in many of the telegraph lines being brought down on the 21st on which day for several hours it was impossible to communicate from Kingston with Montego Bay.

The supposition as to the Cayman Islands proved correct. Several of the schooners from these islands reported the storm, some put back on its account and others met it at sea. Mr. W. T. Eden has kindly obtained and furnished me with the following report on this head:—

"Storm commenced at the Island of Grand Cayman on Sunday 20th October, from 3 to 6 p.m. heaviest blow, moderated during the night, increased on Monday (not so heavy), very much rain, heavy seas, trees and fences destroyed, no houses blown down and no lives lost. The Islands of Little Cayman and Cayman Brac no doubt were visited by the storm, but no authentic reports have reached us. The centre of the

storm appears to have been over the Cayman Islands. Three vessels reported missing".

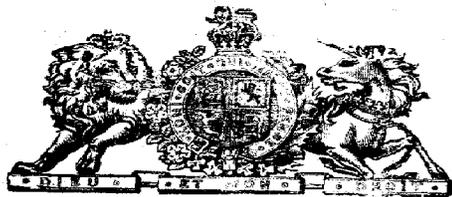
One of these vessels afterwards came safely to port after some careful handling on the part of her owner who "scudded" for some distance before the storm.

The American three-masted schooner "Eleanor" which afterwards arrived in Kingston, reported that off the Isle of Pines she experienced a severe hurricane on the 19th and 20th with the wind blowing from the N. E. to N. and afterwards to the West.

The Pilot Chart for November had not at the time of publication been able to trace this cyclone further back than about the Florida Keys, placing it at 7 a.m. on the 22nd about Bahama Id., whence there is shown almost a straight course to the Bermudas, which place it reached about two days later, viz., on the 24th. The information recorded above thus adds to and slightly modifies the early part of the track shown in the Pilot Chart.

ROBT. JOHNSTONE.

Kingston, 23rd November, 1895.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF
NOVEMBER, 1895.

KINGSTON:—METEOROLOGICAL RESULTS.
Elevation above Sea-level 50 feet.

Nov. 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
In.	In.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"		
1	29.977	29.882	73.3	83.5	88.1	71.4	16.7	67.0	70.7	80	66	N	1	SE	8	SE	4	86
2	29.977	29.877	71.2	86.6	89.4	70.0	19.4	65.2	71.5	81	61	N	0	S	5	SSE	3	62
3	29.920	29.839	71.4	87.2	88.9	69.8	19.1	65.9	66.3	85	50	N	0	S	5	SSE	3	83
4	29.931	29.853	74.4	84.4	88.7	72.8	15.9	68.9	70.8	83	64	N	0	S	5	SSE	3	79
5	29.897	29.887	71.6	81.4	87.3	70.8	17.0	65.2	67.7	81	63	N	1	NE	5	Var.	3	77
6	29.961	29.914	72.4	84.7	85.2	70.0	18.2	65.7	70.8	80	61	N	1	NE	5	SE	3	90
7	29.989	29.931	73.4	85.3	87.5	72.2	15.3	67.1	72.1	81	63	N	0	SE	9	SSE	4	81
8	29.982	29.924	73.1	84.8	83.5	72.8	15.7	68.0	73.1	84	68	N	0	SE	5	Var.	3	69
9	29.962	29.945	74.4	85.4	84.8	72.9	15.9	68.9	71.2	83	63	N	0	SE	5	SE	5	127
10	30.058	29.977	72.7	78.4	84.0	72.0	12.0	63.5	74.9	87	89	N	0	SE	5	SE	5	56
11	30.068	30.007	72.6	78.4	84.4	69.6	14.8	63.9	73.3	89	84	NE	1	SE	0	SSE	5	72
12	30.026	29.967	70.4	82.6	87.6	70.0	17.6	64.0	71.1	80	69	N	1	NE	5	SSE	5	96
13	30.007	29.966	73.2	81.7	84.0	71.2	12.8	67.4	71.0	82	70	N	0	SE	7	SSE	4	61
14	29.995	29.925	71.1	79.9	87.2	69.2	18.0	63.0	74.0	76	82	N	0	SE	6	SE	5	61
15	29.954	29.888	70.6	81.9	84.3	69.7	15.1	67.3	68.9	89	66	N	0	SE	2	Var.	3	63
16	29.938	29.885	70.4	82.0	87.8	69.8	18.0	65.9	68.3	80	63	N	1	S	6	SE	6	82
17	29.954	29.906	70.5	85.4	88.2	69.4	18.8	64.2	70.5	81	61	N	1	ESE	5	SE	3	66
18	29.984	29.902	72.9	85.3	88.6	72.1	16.5	69.8	71.3	90	64	N	0	SSE	8	SSE	3	66
19	29.942	29.884	72.2	84.8	87.6	72.0	15.6	67.1	69.3	84	60	N	0	SE	7	SSE	3	71
20	29.912	29.850	72.7	84.8	86.3	71.3	15.0	68.2	76.7	86	77	N	0	S	3	Var.	2	57
21	29.940	29.912	73.4	84.2	87.7	72.9	14.8	69.4	72.4	87	65	N	0	S	3	S	3	65
22	30.004	29.979	74.7	71.2	87.4	73.9	14.5	70.7	69.9	87	89	N	1	S	5	N	3	70
23	29.988	29.913	70.9	86.5	88.6	71.3	19.2	68.1	69.9	90	58	NE	1	SW	4	SSW	2	53
24	29.919	29.849	72.4	79.3	87.5	71.3	16.2	70.1	72.9	92	81	N	0	SW	1	SW	2	47
25	29.899	29.860	69.9	85.0	87.0	68.7	18.3	66.9	67.4	90	56	N	0	SW	4	SW	3	63
26	29.852	29.918	71.3	81.4	87.2	70.5	16.4	67.5	72.7	88	75	N	0	SW	2	Var.	3	62
27	30.003	29.964	71.1	84.8	88.0	70.9	17.1	67.8	71.4	89	64	N	0	W	6	Var.	2	58
28	30.007	29.983	71.4	83.3	85.0	69.9	15.1	67.9	72.4	89	70	N	0	W	4	Var.	3	71
29	29.964	29.905	71.4	82.3	87.4	71.0	16.4	66.3	70.9	84	69	N	0	E	3	S	3	59
30	29.927	29.860	71.9	85.4	87.4	70.5	16.9	68.2	71.4	88	63	N	0	SW	4	S	2	59
Means.	29.968	29.908	72.1	83.1	87.3	70.9	16.4	67.2	71.2	85	68	Var.	.4	SE by S	4.6	SSE	2.9	70.4



KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet

Nov. 1895.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	3 Cir. s.	1 Cum.	E 5 Cum.	E 0.00	Fine but hazy a.m. Cloudy p.m.
2	...	...	...	2 Cum.	0.10	Fine but hazy a.m. Cloudy p.m. Rain from 3.10 to 3.30 and from 3.35 to 4.5 p.m.
3	...	1 Cir. s.	E ...	2 Cum.	E 0.00	Fine but hazy a.m.. Fine p.m.
4	5 Cir. & Cir. s.	1 Cir. s. 1 Alt Cum.	2 Str. Cum.	3 Cum.	SE 0.00	Fair.
5	1 Cir. s.	...	1 Cum.	8 Cum. 5 Str. Cum. 1 Alt. str.	0.00	Fine a.m. Cloudy p.m.
6	1 Cir.	1 Cir.	...	1 Cum.	SE 0.00	Fine.
7	2 Cir. & Cir. s.	...	1 Cum.	E 1 Cum.	SE 0.00	Fine a.m., Cloudy p.m.
8	1 Cir. s.	5 Cir. s.	1 Str. Cum. 5 Str. Cum.	9 Str. Cum. 2 Str. Cum.	SE 0.00	Cloudy.
9	4 Cir. & Cir. s.	1 Cir. s.	2 Cum.	SE 2 Alt. Str. 6 Cum.	SE 0.07	Cloudy. Squall from SE with rain at 1.15 a.m. Squall from SE at 4.23 p.m. Rain at 4.37 p.m. and at intervals during early part of night with lightning. Thunder at 9 p.m. from S.
10	3 Cir. & Cir. s.	1 Cir. s.	2 Str. Cum.	7 Str. Cum. 2 Cum.	0.15	Fair a.m. Cloudy p.m. Rain from 12.15 to 1.27 p.m. Squall from SE at 5.15 p.m. with rain.
11	...	...	10 Nim.	10 Nim.	0.18	Cloudy. Rain at 7.45 to 8 a.m. and at 2.18 to 3 p.m., and at 5 to 5.6 p.m.
12	2 Cir.	3 Cir. s.	2 Str. Cum.	2 Cum.	E 0.00	Fine a.m. Cloudy p.m.
13	4 Cir. Str.	...	4 Cum. 2 Str. Cum.	E 2 Str. Cum. 2 Cum. 4 Str. Cum.	0.00	Cloudy.
14	1 Cir.	1 Cir. Cum.	...	5 Alt. Str. 5 Cum.	SE 0.00	Fair a.m. Cloudy p.m.
15	3 Cir. Str.	...	...	2 Str. Cum. 4 Nim. 1 Cum.	0.00	Fine a.m. Cloudy p.m.
16	...	...	...	7 Str. Cum. 2 Alt. Str. 1 Alt. Str.	0.00	Fine but hazy a.m. Cloudy p.m.
17	...	3 Cir. & Cir. s.	...	4 Cum. 5 Str. Cum. 3 Cum.	SE 0.00	Fine a.m. Cloudy p.m.
18	3 Cir. s.	...	5 Str. Cum.	3 Str. Cum. 3 Cum.	SE 0.00	Cloudy a.m. Fair p.m.
19	2 Cir. s.	2 Cir. & Cir. s.	1 Cum.	2 Str. Cum. 3 Cum.	SE 0.00	Fine a.m. Fair p.m.
20	...	2 Cir. s.	...	6 Cum.	SE 0.00	Fine a.m. Cloudy p.m.
21	...	2 Cir. s.	...	3 Cum.	SE 0.18	Fine a.m. Rain from 1 p.m. to 1.25 p.m. Fair p
22	2 Cir. s.	...	1 Cum. 4 Str. Cum.	1 Alt. Str. 8 Str. Cum.	0.13	Cloudy a.m. Thunder to N at 11.25 a.m. Rain from noon to 2.42 pm. Cloudy pm. Rain at 3.30 to 3.34 p.m. and at 9.55 to 10.11 pm.
23	1 Cir.	1 Cir. s.	2 Cum.	1 Cum.	0.08	Fair a.m. Cloudy p.m. Rain from about 9.40 to 9.54 p.m.
24	1 Cir. s. 1 Cir. s.	3 Cir. s.	1 Str. Cum. 3 Cum.	SE 3 Cum. 9 Str. Cum.	0.14	Fair a.m. Rain at 2.5 to 3 p.m.
25	...	1 Cir. & Cir. s.	...	2 Cum. 5 Str. Cum.	0.04	Fine a.m. Cloudy p.m. Rain at 3.12 to 3.27 p.m.
26	...	...	...	3 Str. Cum.	0.03	Fine a.m. Rain from 2.58 to 3.30 p.m.
27	...	2 Cir. s.	...	4 Alt. Str. 2 Cum. 4 Nim.	0.12	Fine a.m. Cloudy p.m. Rain at 3.15 to 4.10 p.m.
28	2 Cir. s.	1 Cir. s.	5 Str. Cum. 1 Cum.	1 Alt. Str. 1 Cum. 1 Str. Cum.	0.00	Cloudy a.m. Fine p.m.
29	...	...	...	3 Cum. 6 Str. Cum.	0.00	Fine a.m. Cloudy p.m.
30	...	...	...	1 Alt. Str. 3 Cum.	SE 0.00	Fine.
Means Total	13 o/o	12 o/o	19 o/o	65 o/o	1.17	Fair.

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.						Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.						
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	R.		
King's House	400	70.9	83.6	87.4	65.0	22.4	68.4	76.4	90	76	91	1*	68	3†	23	4.14	
Castleton Gardens	580	68.2	78.3	83.4	65.1	18.3	67.4	75.4	96	90	88	12&15	60	1	23	14.11	
Hope Gardens	600	70.5	79.1	85.0	67.3	17.7	68.5	76.0	91	90	86	2†	65	5†	23	7.08	
Stony Hill Reformatory	1,400	69.8	78.5	80.8	66.8	14.0	67.8	72.4	93	87	85	6‡	65	2‡	20	11.36	
Cinchona Plantation	4,907	58.9	68.1	67.5	56.1	11.4	54.7	61.4	96	93	70	30	54	25	16	15.15	

* also 8, 15, 16 & 17.

† also 3 & 9.

‡ and 25.

§ also 21.

¶ also 11, 12, 16, 17 & 26.

‡ also 6, 15 & 17.

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:—

	NOVEMBER.	
	1895.	Average.
Infantile diseases not otherwise specified ...	14	17
Lung diseases ...	19	15
Fever and Malaria ...	10	10
Dysentery and Diarrhoea ...	4	4
VARIOUS ...	33	57
Total	80	103

CINCHONA PLANTATION.

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

		in.
Barometric pressure	7 a.m.	25.321
" "	3 p.m.	25.256
Temperature—		
6 feet underground	7 a.m.	62.9
" "	3 p.m.	62.8
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		31.6

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial
		Max.	Min.				
1895.		°	°	°	in.		
January 31st ...	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th ...	1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	W. H.
April 1st ...	11.30 a.m.	63.9	40.8	57	4.40	Cloudy.	W. H.
April 30th ...	5 p.m.	68.9	41.8	...	20.07	Fine and clear.	D. H.
May 31st ...	3.45 p.m.	62.9	45.8	53	15.20	Heavy rain; very cold.	W. W.
June 30th ...	8 a.m.	67.9	46.8	52	4.60	Heavy mist.	W. H.
July 31st ...	12.30 p.m.	64.9	44.8	56	3.10	Fine a.m.; rain p.m.	W. H.
August 31st ...	7.30 a.m.	67.9	46.8	54	24.25	Fine but misty	W. H.
September 30th ...	2 p.m.	70.9	43.8	64	7.25	Cloudy.	D. W.
October 31st ...	10 a.m.	68.9	46.8	54	12.20	Fine but misty	W. H.
November 30th ...	9.30 a.m.	66.9	42.8	55	20.16	Fine and clear.	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR NOVEMBER, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	NOVEMBER.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Hordley	9.93	2.80	8	19	9.02
Manchioneal	17.65	3.10	10	18	...
Bath P. W. D.	13.25	2.04	8	24	...
Mt. Ephraim P. W. D.	...	...	...	...	...
Port Antonio P. W. D.	25.26	6.60	9	21	13.72
Fellowship P. W. D.	35.26	8.95	9	26	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Burlington	21.84	7.28	15	16	...
Shrewsbury P. W. D.	22.64	4.90	9	20	...
Cedar Valley P. W. D.	8.95	1.69	10	16	...
Green Vale	21.49	6.95	22	24	...
Cinchona Plantation	15.13	4.21	23	21	10.11

NORTH-EASTERN DIVISION, contd.	NOVEMBER.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
	in.	in.			in.
Buff Bay P. W. D.	13.62	3.60	9	19	...
Cold Spring	8.86	1.65	4	17	10
Hardware Gap	...	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	8.26	1.63	9	16	...
Stony Hill Refty	11.36	2.15	16	20	6.07
Castleton Gardens	14.11	7.10	22	22	9.52
Lawrence's Tavern P. W. D.	...	...	...	...	...
Albany, P. W. D.	9.22	1.56	20	18	...
Quebec	9.24	2.00	9	12	7.14
Richmond P. W. D.	8.22	1.64	22	14	...
Highgate P. W. D.	8.24	1.50	20	21	...
Gayle	13.85	4.00	20	12	10.56
Gayle P. W. D.	9.30	2.05	20	20	...
Rio Hoe	9.50	3.38	22	9	8.31
Unity Valley	13.73	4.75	22	19	6.89
Moneague P. W. D.	11.00	3.50	22	13	...
Claremont	9.99	2.60	20	12	...
Albion	10.83	...	22	20	8.73
Averham Park	8.05	2.09	22	20	7.91
Ballintoy	3.49	.55	22	16	...
Means	12.77				4.91

NORTHERN DIVISION	NOVEMBER.					NORTHERN DIVISION contd.	NOVEMBER.				
	Total	1895.		Days on which .01 or more fell.	Average.		Total	1895.		Days on which .01 or more fell.	Average.
		Greatest fall in 24 hours.						Greatest fall in 24 hours.			
		Fall	Amount.					Date.	Amount.			Date.
	In.	In.				in.	in.				
Port Maria P. W. D.	9.75	1.45	27	19	8.46	Tryall	...	...	...	3.81	
Drax Hall	12.16	4.93	9	12	9.56	Sandy Bay P. W. D.	5.17	2.00	19	6	...
St. Ann's Bay P.W.D.	11.99	3.03	9	19	...	Kew	...	...	...	...	3.79
Seville	...	...	...	...	9.54	Lucea P. W. D.	5.19	1.46	10	8	...
Richmond Estate	...	...	...	...	9.18	Thornhill, Lucea	...	...	...	...	...
Llandoverly	...	...	...	...	8.49	Houghton Court	...	...	...	...	3.07
Southfield	...	...	...	...	...	Orange Cove	...	...	...	...	3.95
Brown's Town P.W.D.	8.34	3.42	9	18	...	CENTRAL SUB-DIVISION—					
Home Castle	7.50	3.75	9	6	5.56	Headworks, R. C. C.	3.60	1.40	22	4	4.77
Richmond Pen	6.18	1.30	5	12	3.85	Linstead P. W. D.	9.09	3.45	22	11	4.25
Mahogany Hall	5.21	1.16	18	18	5.15	Point Hill, P.W.D.	6.89	1.35	6	15	...
Braco	5.44	2.55	9	8	5.76	Harker's Hall P.W.D.	11.30	4.35	22	19	...
Arcadia	4.74	1.27	4	14	6.06	Chapelton P. W. D.	4.13	1.22	20	8	4.42
Arcadia Great House	5.16	1.70	9	13	...	Danks-Savoy	...	...	...	...	...
Harmony Hall	...	...	...	...	5.69	Cave Valley	5.35	1.75	12	13	5.14
Lancaster	5.40	1.45	4	11	6.22	Means	6.16	...	...	...	5.18
Vale Royal	7.71	2.92	4	12	6.68	WEST CENTRAL DIVISION.					
Celchis Pen	5.50	1.04	8	7	3.51	Baillieston	4.17	1.00	14	10	...
Hyde	7.54	2.52	4	11	6.15	Farm Plantation	4.80	1.40	9	12	4.74
Georgia	7.83	3.15	4	9	5.38	Brockenhurst Pln.	...	...	...	...	5.87
Steelfield	8.33	4.00	4	9	5.60	Christiana P. W. D.	9.70	2.45	19	15	...
Oxford	7.40	3.45	4	12	4.44	Kendal P. W. D.	6.23	1.27	6	10	...
Cambridge	5.65	2.65	4	18	5.64	Mandeville P. W. D.	4.43	1.23	9	15	6.56
Dry Valley	...	...	...	...	...	Marshalls Pen	...	...	...	...	...
Lottery	5.18	2.20	4	10	5.07	Ulster Spring P.W.D.	8.18	1.90	5	17	...
Falmouth	4.40	...	...	...	5.30	Troy	10.55	1.78	5	15	...
Falmouth P. W. D.	2.61	0.70	26	10	...	Windsor Pen	6.93	1.45	8	15	4.95
Fontabelle	5.65	1.60	4	13	...	Balaclava P. W. D.	13.33	1.85	19	17	...
Martha Brae	...	...	...	...	...	Elim	13.40	3.60	18	14	...
Holland Pen	3.53	1.00	4	7	3.88	Appleton	8.60	1.94	19	17	5.17
Pembroke	...	...	...	...	5.12	Magotty P.W.D.	8.25	1.46	19	19	...
Golden Grove	...	...	...	...	5.17	Spring Vale	11.74	4.45	4	15	6.73
Green Park	6.08	2.35	4	12	5.20	Maroon Town	...	...	...	...	4.81
Tilston	...	...	...	...	6.01	Kempshot	7.68	2.40	4	12	5.10
Weston Favell	6.19	3.31	4	11	4.39	Kepp	4.85	2.08	7	12	5.71
Orange Valley	5.65	2.40	11	10	4.23	Kew Park	7.29	2.07	4	14	4.38
Kent	5.23	1.80	26	10	4.18	Mount Carey	3.05	1.00	4	9	...
Dundee	7.01	2.50	4	13	5.39	Windsor Forest	...	...	...	...	5.99
Phoenix	5.12	2.10	4	14	5.28	Chester Castle	...	...	...	...	5.42
Gale's Valley	...	...	...	...	5.02	Darliston P. W. D.	7.32	2.34	4	13	...
Greenwood	5.43	1.70	4	9	4.42	Whithorn, P. W. D.	5.60	2.12	10	10	...
Canaan	4.90	2.60	4	6	...	New Galloway	5.63	2.10	10	6	...
Content	...	...	...	...	...	Lethe Bridge	3.61	1.64	4	10	...
Bellfield	6.44	2.50	4	11	...	Copse	5.00	2.50	...	14	5.75
Gullsbro'	8.28	2.57	11	9	6.24	Cacoon Castle	8.98	6.30	4	10	4.89
Tryall	5.20	1.75	17	9	...	Golden Grove	...	...	...	...	5.20
Leogan	...	...	...	...	4.90	Great Valley	7.36	3.45†	4	...	...
Sucess	5.63	2.00	4	8	...	Brownsville	4.61	2.63	4	7	...
Cinnamon Hill	6.52	2.30	4	8	3.86	George's Plain Estate	4.06	1.91	20	11	2.84
Rose Hall	5.00	1.80	4	8	3.98	Fontabelle	4.53	.86	10	12	...
Running Gut	...	...	...	...	4.19	Morgans Bridge PWD	6.20	1.85	10	8	4.73
Spring	3.25	.90	16	10	...	King's Valley	9.10	4.75	4	9	4.80
Ironshore	...	...	...	...	3.59	Abingdon	...	...	...	...	...
Friendship	...	...	...	...	...	Means	6.90	...	...	...	5.03
Providence	...	...	...	...	3.69						
Montego Bay P. W. D.	4.20	1.18	17	10	3.70						
Catherine Hall	...	...	...	...	3.73						
Catherine Mount	...	...	...	...	3.73						
Saifield	3.57	.78	26	10	3.55						
Anchovy	...	...	...	...	3.61						
Eden	...	...	...	...	4.68						
Wiltshire	...	...	...	...	3.34						
Round Hill	3.80	1.20	26	9	...						
Flint River	...	...	...	...	...	

* In 3 hours. † In 2½ hours.

SOUTHERN DIVISION.	NOVEMBER.				
	Total Fall.	1895.			Average.
		Greatest fall in 24 hours		Days on which fall or more fell.	
		Amount.	Date.		
in.	in.	Date.	Days on which fall or more fell.	in.	
Morant Point L. H.	8.75	1.62	10	23	5.22
Morant Bay, P. W. D.	8.55	1.90	10	16	...
Lyssons	...	...	...	...	...
Easington P. W. D.	6.09	1.05	8	16	...
Abbey	9.80	3.00	9	15	3.70
Bull Bay P. W. D.	...	...	...	...	...
Gordon Town	...	...	...	...	...
Hope Gardens	8.09	.79	18	19	3.73
Hope Reservoir	...	...	...	...	...
Cherry Garden	5.37	1.53	7	17	3.41
King's House	4.14	.85	21	9	2.17
Cavaliers	...	...	...	...	...
Shortwood	4.62	1.88	7	9	...
Constant Spring	...	...	...	...	...
Monaltrie	5.77	1.55	1	16	3.54
Halfway-Tree P.W.D.	...	...	...	...	...
Camperdown	...	...	...	...	...
Public Works Office Kn	1.17	.18	21	11	2.56
Plumb Point L. H.	2.63	1.35	27	7	2.28
Port Royal	...	...	...	...	...
Ferry P. W. D.	...	...	...	...	...
Spanish Town P.W.D.	3.05	1.32	26	7	2.84
Windsor Park	...	...	...	...	3.10
Hog Hole Pen P.W.D.	4.20	1.65	20	9	3.55
Old Harbour P.W.D.	2.65	.80	22	10	4.33
Somerset Hall	4.83	.96	9	3	...
May Pen P. W. D.	2.14	1.33	20	3	...
Hermitage	3.03	.71	9	9	...
Denbigh	...	...	...	...	4.92
Yarmouth P.W.D.	1.27	.48	9	7	...
Victoria Town P.W.D.	...	...	...	...	...
Stone's Hope	4.52	1.03	2	20	4.37
Newport P. W. D.	8.25	2.00	9	8	...
Alligator Pond P W D	4.37	3.42	22	3	...
Potadam	4.77	1.10	19	15	4.61
Long Hill	4.51	.97	19	16	4.91
Pepper	5.89	2.10	21	18	5.39
Torrington P. W. D.	5.76	2.13	19	15	...
Bethlehem	...	...	...	...	...
Santa Cruz P.W.D	5.85	1.26	8	16	...
Holland	...	...	...	...	...
Black River P. W. D.	2.98	.60	13	8	4.36
Whitehall	5.39	.89	4	14	...
Font Hill	2.44	...	...	...	...
Grand Vale	...	...	...	...	...
Peter's Ville	3.43	.78	21	14	...
Mount Edgecombe	3.76	1.21	14	12	4.11
Sweet River	3.34	1.52	10	6	2.81
Windsor, Sav.-la-Mar.	2.90	1.05	10	7	...
Sav.-la-Mar P. W. D.	2.59	.72	1	8	3.65
Retreat	2.58	1.23	4	6	...
Negril Pt. Lighthouse	2.85	1.56	7	3	...
Means	4.81	...	...	...	3.83

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	NOVEMBER.	
	1895.	Average.
	In.	In.
North Eastern Division	12.77	8.91
Northern "	6.16	5.13
West Central "	6.90	5.03
Southern "	4.62	3.77
Means	7.61	5.71

The greatest monthly fall viz., 35.26 inches was recorded at Fellowship P.W.D. and the smallest viz., 1.27 at Yarmouth P. W. D. The greatest fall in 24 hours was 8.95 inches at Fellowship on the 9th. The greatest number of days on which rain fell at any one place was 26 also at Fellowship. Twenty three stations had in 24 hours falls of between 3 and 5 inches; three falls of between 5 and 7 inches; and three stations had falls between 7 and 10 inches in twenty-four hours.

The mean approximate rainfall for the whole Island for November as arrived at on the 3rd instant was 7.26. This result was obtained from 29 stations with "averages." The results shown in the "Comparative Table" now published are from 77 such stations and show a mean rainfall for the island of 7.61 as compared with an average fall of 5.71.

The rainfall for the whole island for November was exactly one-third as much again as the average, the N.E. Division having somewhat more than this excess, the N. and S. Divisions having not quite so much excess as a third, while the W. C. Division had just about the third over the average. While this is so five stations in the N. Division, three stations in the W. C. Division, and six stations in the S. Division had falls slightly below the average. In the way of excesses either in proportion to the average or large in themselves we find the following: Stony Hill Reformatory, Unity Valley, Linstead, Spring Vale, Cacaoon Castle, Abingdon, Abbey, Hope Gardens and King's House had about double the average, while Port Antonio with an average of 13.72 had a fall of 25.26, which however was still 10 inches less than the "greatest fall" at Fellowship only three miles distant.

Below will be found a statement of the Rainfall recorded during this year as compared with the average fall during the months in question. It will be seen that the rainfall for the Island for the eleven months was only three quarters of an inch less than, or 99 per cent of the average.

	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.53
March	2.03	3.04
April	5.50	4.43
May	9.33	9.41
June	2.76	7.02
July	4.52	5.13
August	8.42	7.79
September	6.39	7.66
October	12.18	9.18
November	7.61	5.71
Total	65.29	66.04

The following notes have come to hand :-

Cinchona Pln.—Stormy on the night of 8th, strong breezes on 22nd and 23rd.

Gayle.—Seasonable.

Rio Hoe Pen.—The weather quite favourable.

St. Ann's Bay.—On the 4th Nov. 2.56 inches fell in the space of one hour and a half.

Mahogany Hall.—16.92 inches in excess of last year for the eleven months ending 30th November.

Green Park.—Severe thunder storm on 4th. Trash house and three cocoonut trees struck by lightning, which was incessant. 2.35 inches rain in about an hour.

Weston Favell.—The amount 3.31 inches on 4th fell in about 1½ hours and was accompanied by lightning and thunder. During the latter part of the month we have been having the usual slight rains during the night.

Round Hill.—High winds towards end of month.

Spring Vale.—The rainfall on 4th was in less than 2 hours.

Elim.—On the 18th we had 3.60 in 35 minutes: it was the hardest downpour that I have ever witnessed.

Great Valley.—The rainfall on 4th fell in about 2½ hours in the afternoon.

Brownsville.—Last year there were 16 rainy days against 7 this year, but only 3.15 inches fell, the greatest fall .72 on the 1st (last year).

Fontabelle, (Westmoreland.)—The heaviest flood for the year occurred on the morning of the 5th Nov. 31 parts of rain fell here during the 4th and the Cabaritta River was clear and low up to 8 p.m. on that evening. In the morning (5th Nov.) the cane fields were heavily flooded and no work could be performed on the estate. The flood continued rising till 10 a.m., after which hour it began to subside. A very heavy rain must have fallen in the hills during the night to have caused such an overflow, that put several hundreds of acres of canes under water.

Pepper.—Light showers nearly the whole month—exceptionally seasonable.

ROBT JOHNSTONE.

Kingston, 23rd December, 1895.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

DECEMBER, 1895.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Dec. 1895.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.			Total miles of wind.			
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
	In.	In.	°	°	°	°	°	°	°									
1	29.906	29.851	71.3	86.6	88.5	70.8	17.7	67.9	70.0	89	58	N	1	S	4	S	2	50
2	29.897	29.842	72.1	84.2	86.4	71.4	15.0	67.5	70.8	85	64	N	1	SE	3	S	3	79
3	29.906	29.881	72.3	86.7	87.5	71.5	16.0	70.2	73.3	93	64	N	1	SW	6	S	3	65
4	30.011	29.945	71.5	84.2	85.8	70.0	15.8	69.0	69.5	91	61	NE	0	SSE	5	S	3	79
5	30.080	29.979	78.4	84.1	86.5	72.7	13.8	69.6	68.3	88	59	N	1	SW	4	Var.	4	103
6	30.031	29.995	70.9	83.9	85.5	70.1	15.4	68.8	67.5	87	58	N	1	N	6	N	4	90
7	30.029	29.970	70.2	86.3	87.7	69.2	18.5	68.8	68.9	89	56	N	1	N	4	N	2	54
8	30.009	29.949	72.7	86.8	89.0	72.0	17.0	67.8	71.2	85	60	Z	0	N	4	Var.	3	65
9	29.991	29.909	72.0	84.5	87.5	71.2	16.3	67.0	69.0	84	60	NE	1	N	9	SE	3	81
10	29.978	29.906	70.4	83.8	86.8	69.8	17.0	65.4	69.6	84	62	Z	0	SE	3	S	3	75
11	30.018	29.915	71.5	77.6	79.6	69.8	9.6	66.1	69.6	83	62	N	1	N	3	N	3	221
12	29.982	29.890	73.0	80.4	82.1	68.4	13.7	66.1	67.8	81	66	NW	2	NW	14	N	9	90
13	29.987	29.890	73.0	83.0	84.8	71.0	13.8	69.0	67.8	81	55	N	3	N	3	Var.	4	226
14	29.992	29.932	69.2	74.9	80.7	68.9	11.8	59.0	65.0	54	55	N	3	N	14	N	9	261
15	30.026	29.948	66.6	83.8	85.1	65.4	19.7	56.6	57.4	64	51	N	1	N	10	N	11	103
16	29.990	29.940	70.4	82.3	84.8	69.4	15.4	64.4	64.1	77	60	N	1	SW	6	Var.	4	95
17	29.977	29.919	69.7	83.4	85.9	68.2	17.7	66.5	67.2	80	58	N	1	NW	4	N	4	87
18	29.962	29.966	71.3	84.8	86.9	71.8	15.1	63.0	65.8	74	53	S	0	SW	6	Var.	6	113
19	29.932	29.884	67.6	83.5	86.3	63.3	21.0	61.2	65.6	80	55	Z	0	SW	4	SSW	2	54
20	29.960	29.912	70.8	83.3	84.3	64.9	19.4	63.1	67.6	77	51	Z	0	SSW	7	Var.	2	49
21	30.006	29.966	65.1	82.7	84.2	62.8	21.4	65.1	70.7	83	67	Z	0	N	4	SSE	3	66
22	30.044	29.907	64.7	83.2	84.9	64.3	20.6	65.1	67.9	71	58	N	1	S	5	SE	3	65
23	30.016	29.940	67.2	83.1	86.4	63.8	22.6	62.5	68.6	65	62	N	0	S	5	SE	3	65
24	29.945	29.872	68.2	83.2	84.7	66.6	18.1	64.3	64.7	83	54	N	1	SE	8	Var.	3	68
25	29.911	29.907	70.0	83.1	85.3	64.9	20.4	64.5	67.1	83	53	N	1	S	4	Var.	4	86
26	29.966	29.907	71.5	83.1	85.4	66.1	20.3	66.1	66.8	83	53	N	1	S	10	Var.	4	100
27	29.963	29.900	69.3	85.7	87.9	66.0	21.9	65.6	66.7	89	53	N	1	SE	6	Var.	3	80
28	29.997	29.914	69.5	82.0	85.2	68.4	16.8	65.4	65.1	87	57	N	1	SE	7	Var.	3	79
29	29.982	29.908	71.1	83.7	86.3	65.4	20.9	65.8	66.1	82	56	N	1	SSE	12	SE	4	99
30	30.018	29.948	69.7	82.7	84.9	68.3	16.6	65.6	65.2	87	56	N	1	SE	11	SE	5	111
31	30.068	29.995	67.3	86.0	87.9	67.0	20.9	65.1	66.5	90	52	N	1	S	5	S	3	77
Means.	29.984	29.913	70.0	83.4	85.6	68.2	17.4	64.8	67.1	83	58	N	.8	S S	6.2	Var.	8.9	94.6

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Dec. 1895.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	4 Cir. s.	1 Cum.	2 Cum.	Ins.	Fine a.m., Cloudy p.m.
2	1 Cir. s.	1 Cir. s.	2 Cum. NE	2 Cum. NW	0.00	Cloudy.
3	...	...	3 Str. Cum.	5 Str. Cum.	0.00	Fine but hazy a.m. Fair p.m. Heavy showers of rain from 4.12 to 5 p.m. Sharp flashes of lightning at 7 p.m. with thunder at intervals from S.W.
4	2 Cir. s.	2 Cir. s.	...	3 Cum. NE	1.24	Cloudy a.m. Fair p.m.
5	1 Cir. s.	2 Cir. s.	1 Cum.	1 Cum.	0.00	Fine.
6	...	1 Cir.	5 Str. Cum.	2 Str. Cum.	0.00	Fine.
7	4 Cir. s.	2 Cir. s.	3 Str. Cum.	2 Cum. NE	0.00	Cloudy.
8	...	1 Cir.	1 Cum. E	2 Cum. E	0.00	Fine.
9	...	2 Cir. s.	1 Cum.	1 Cum.	0.00	Cloudy.
10	...	1 Cir. & Cir. s.	2 Alt. Str.	4 Str. Cum.	0.00	Fine.
11	...	1 Cir.	1 Cum.	2 Cum.	0.00	Fine but hazy a.m. Fair p.m.
12	...	3 Cir. s.	1 Cum.	3 Str. Cum.	0.60	Fine a.m. Fair p.m. Rain from 7.40 to about 9.45 p.m.
13	1 Cir. s.	4 Cir.	8 Str. Cum.	3 Str. Cum.	0.00	Fine. "Norther" from about 5 a.m. to about 10 p.m.
14	6 Cir.	...	2 Alt. Str.	4 Str. Cum.	0.03	Cloudy a.m. Rain from 6.40 to 6.52 a.m. Cloudy p.m.
15	4 Cir.	2 Cir. & Cir. s.	8 Alt. Cum.	1 Cum.	0.00	Cloudy a.m. Fine p.m. Norther from about 2.80 a.m. to midnight
16	3 Cir.	3 Cir. & Cir. s.	1 Alt. Str.	...	0.00	Fine. "Norther" continued from midnight to about 9 p.m.
17	1 Cir.	1 Cir. SE	1 Cum.	2 Cum. NW	0.00	Fine.
18	...	1 Cir. s.	1 Cum.	3 Cum. SE	0.00	Fine a.m. Cloudy p.m.
19	1 Cir. s.	...	1 Cum.	5 Str. Cum.	0.00	Fine a.m. Cloudy p.m.
20	1 Cir. s.	2 Cir. s.	2 Cum.	3 Cum.	0.00	Fine.
21	...	1 Cir. s.	...	1 Cum. SE	0.00	Fine.
22	...	2 Cir.	...	2 Cum.	0.00	Fine.
23	...	2 Cir. Cum.	...	1 Cum.	0.00	Fine.
24	8 Cir. s.	6 Cir. Str.	1 Alt. Str.	2 Cum.	0.00	Cloudy.
25	...	3 Cir. s.	...	1 Cum.	0.00	Fine a.m. Fair p.m.
26	3 Cir. & Cir. s.	2 Cir. s.	...	1 Cum.	0.00	Fine.
27	3 Cir.	...	...	3 Cum.	0.00	Fine.
28	3 Cir. & Cir. s.	1 Cir. s.	1 Cum.	5 Str. Cum.	0.00	Fine a.m. Cloudy p.m.
29	3 Cir. s.	...	3 Str. Cum.	1 Cum.	0.00	Cloudy a.m. Fine p.m.
30	1 Cir. s.	1 Cir. s.	2 Cum.	2 Cum.	0.00	Cloudy a.m. Fine p.m.
31	...	2 Cir. & Cir. s.	8 Str. Cum.	2 Cum. SE	0.00	Fine.
Means	15 o/o	17 o/o	20 o/o	31 o/o	1.87	Fine. "Norther" on 11th and 18th-19th.
Total						

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.					Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.					
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.	
King's House ...	400	70.3	83.5	87.5	63.8	23.7	66.0	74.3	87	72	91	1*	60	24†	31	0.88
Castleton Gardens ...	580	68.4	75.8	80.9	63.9	17.0	67.1	78.4	96	90	86	9	57	16&21	29	10.52
Hope Gardens ...	600	67.9	80.6	83.6	64.4	19.2	66.2	74.4	91	79	89	27	58	22	31	1.38
Stony Hill Reformatory ...	1,400	67.6	75.9	80.6	64.7	15.9	65.1	70.1	92	82	85	27	59	15&22	26	2.56
Cinchona Plantation ...	4,907	56.2	61.8	64.9	53.4	11.5	53.4	53.6	89	89	69	†	47	22	22	7.75

* and 5 other days.

† and 4 other days.

† also 3 & 8.

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:—

	DECEMBER.	
	1895.	Average.
Infantile diseases not otherwise specified ...	30	16
Lung diseases ...	17	16
Fever and Malaria ...	12	10
Dysentery and Diarrhoea ...	15	6
Various ...	55	59
Total	129	107

CINCHONA PLANTATION.

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

		in.
Barometric pressure	7 a.m.	25.297
" "	3 p.m.	25.284
Temperature—		
6 feet underground	7 a.m.	62.2
" "	3 p.m.	62.2
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		92.2

BLUE MOUNTAIN PEAK:—ELEVATION 7,423 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial
		Max.	Min.				
1895.		°	°		in.		
January 31st	1.20 p.m.	65.9	34.8	50	4.20	Misty—high wind from N.E.	W. H.
February 28th	1.45 p.m.	64.9	38.8	59	21.28	Fine and clear	W. H.
April 1st	11.30 a.m.	63.9	40.8	57	4.40	Cloudy.	W. H.
April 30th	5 p.m.	68.9	41.8	...	20.07	Fine and clear.	D. H.
May 31st	3.45 p.m.	62.9	45.8	53	15.20	Heavy rain; very cold.	W. W.
June 30th	8 a.m.	67.9	46.8	52	4.60	Heavy mist.	W. H.
July 31st	12.30 p.m.	64.9	44.8	56	3.10	Fine a.m.; rain p.m.	W. H.
August 31st	7.30 a.m.	67.9	46.8	54	24.25	Fine but misty	W. H.
September 30th	2 p.m.	70.9	48.8	64	7.25	Cloudy.	D. W.
October 31st	10 a.m.	68.9	46.8	54	12.20	Fine but misty	W. H.
November 30th	9.30 a.m.	66.9	42.8	55	20.16	Fine and clear.	W. H.
December 31st	9 a.m.	69.9	36.8	46	25.10	Misty; strong N.E. breeze, cold	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. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR DECEMBER, 1895.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain 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 columns; so that the results 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.	DECEMBER.				
	Total	1895.			Average.
		Greatest fall in 24 hours.		Days on which 0.1 or more fell.	
Fall:	Amount.	Date.			
Hordley	1.85	.47	20	8	9.83
Manchioneal	1.95	.45	2	8	...
Bath P. W. D.	3.20	.49	28	12	...
Mt. Ephraim P. W. D.	...	...	...	...	...
Port Antonio P. W. D.	4.08	.59	3	18	14.02
Fellowship P. W. D.	14.77	3.00	4	17	...
Serge Island	...	...	...	...	...
Coley Estate	...	...	...	...	...
Burlington	4.92	1.85	17	11	...
Shrewsbury P. W. D.	27.61	9.41	7	21	...
Cedar Valley P. W. D.	1.23	.40	6	9	...
Green Vale	33.60	11.20	7	23	...
Cinchona Plantation	7.75	2.70	8	18	12.15

NORTH-EASTERN DIVISION, contd	DECEMBER.				
	Total	1895.			Average.
		Greatest fall in 24 hours.		Days on which 0.1 or more fell.	
Fall:	Amount.	Date.			
Buff Bay P. W. D.	10.28	4.24	7	16	...
Cold Spring	4.40	2.00	16	6	...
Hardware Gap	3.18	...	...	...	...
Rose Hill	...	...	...	...	...
Annotto Bay P. W. D.	10.38	4.80	7	14	...
Stony Hill Recty.	2.55	1.95	10	4	4.60
Castleton Gardens	10.07	4.55	8	12	12.76
Lawrence's Tavern P. W. D.	3.30	1.80	20	3	...
Albany, P.W.D.	9.98	3.50	7	14	...
Quebec	5.67	2.46	9	7	10.42
Richmond P. W. D.	8.96	3.85	7	14	...
Highgate P. W. D.	11.67	5.70	7	15	...
Gayle	17.80	9.00	7	8	11.48
Gayle P. W. D.	14.99	9.00	7	15	...
Rio Hoe	7.16	4.36	7	6	10.82
Unity Valley	10.39	5.80	7	13	7.84
Monogue P. W. D.	7.68	2.50	7	11	...
Claremont	9.56	3.70	8	14	...
Albion	10.09	3.75	7	19	8.00
Averham Park	12.73	5.43	7	17	12.89
Ballintoy	5.64	1.57	7	12	...
Means	8.15				13.20

		DECEMBER.							DECEMBER.				
		1895.							1895.				
NORTHERN DIVISION	Total	Greatest fall in 24 hours.		Days on which .01 or more fall.	Average.	NORTHERN DIVISION contd.	Total	Greatest fall in 24 hours.		Days on which .01 or more fall.	Average.		
		Fall	Amount.					Date.	Fall.			Amount.	Date.
	In.	In.			in.		in.	in.					
Port Maria P. W. D.	4.72	.70	15	12	8.89	Tryall	...	...	...	...	3.67
Drax Hall	5.79	1.30	10	11	9.26	Sandy Bay P. W. D.	.80	...	...	2	...
St. Ann's Bay P.W.D.	4.91	1.25	10	15	...	Kew	...	...	...	...	2.74
Seville	...	...	...	...	9.15	Lucea P. W. D.	.77	.40	29	4	...
Richmond Estate	...	...	...	...	10.31	Thornhill, Lucea	...	...	...	...	...
Llandoverly	5.44	1.85	3	6	10.21	Haughton Court	...	...	...	...	4.73
Southfield	...	...	...	...	...	Orange Cove	...	...	...	...	4.57
Brown's Town P.W.D.	12.56	4.57	7	11	...	CENTRAL SUB-DIVISION—							
Home Castle	5.50	2.50	7	6	7.48	Headworks, R. C. C.	.80	.80	10	1	2.29		
Richmond Pen	6.49	2.05	7	10	4.40	Linstead P. W. D.	2.21	.71	29	5	3.56		
Mahogany Hall	8.45	2.88	10	9	5.71	Point Hill, P.W.D.	1.33	.64	29	5	...		
Braco	3.01	1.30	7	6	6.48	Harker's Hall P.W.D.	2.10	.76	10	7	...		
Arcadia	4.15	1.74	7	9	7.29	Chapelton P. W. D.	.73	.48	29	2	2.40		
Arcadia Great House	...	...	...	...	6.56	Danks-Savoy	...	...	...	...	...
Harmony Hall	...	...	...	...	7.06	Cave Valley	2.40	.94	2	8	2.71
Lancaster	4.44	1.38	4	8	7.06	Means	4.96	...	...	...	6.18
Vale Royal	7.13	2.74	7	12	8.39	WEST CENTRAL DIVISION.							
Colchis Pen	10.74	5.14	7	11	5.31	Baillieston	1.10	.80	7	3	...		
Hyde	4.89	3.14	7	9	6.89	Farm Plantation	.32	.20	29	2	3.40		
Georgia	6.09	1.59	4	6	7.53	Brookenhurst Pln. ...	.60	.60	10	1	6.73	
Steelfield	5.56	2.08	7	7	6.84	Christiana P. W. D.	1.35	.55	7	4	...		
Oxford	5.90	3.10	7	9	7.60	Kendal P. W. D.	.90	.30	29	2	...		
Cambridge	5.87	2.68	7	7	7.04	Mandeville P. W. D.	.18	.13	19	2	3.34		
Dry Valley	...	...	...	...	...	Marshalls Pen	...	...	...	...	3.51
Lottery	5.70	2.25	7	6	6.14	Ulster Spring P.W.D.	5.49	2.01	3	15	...		
Falmouth	3.45	...	...	...	5.85	Troy	2.20	1.54	5	5	...
Falmouth P. W. D.	2.93	1.68	7	6	...	Windsor Pen	3.13	1.00	7&10	10	7.01		
Foutabelle	3.40	1.95	7	7	...	Balaclava P. W. D.	.97	.50	3	2	...		
Martha Brae	...	...	...	...	4.77	Elim	.00	...	...	0	...
Holland Pen	4.53	2.80	7	6	5.95	Appleton	...	...	...	...	3.44
Pembroke	...	...	...	...	5.00	Magotty P.W.D.	.12	.06	7	3	...
Golden Grove	...	...	...	...	6.12	Spring Vale	2.63	1.21	7	7	6.60
Green Park	6.90	4.21	7	8	5.16	Maroon Town	...	...	...	...	4.51
Tilston	...	...	...	...	5.41	Kempshot	3.46	1.94	8	2	4.48
Weston Favell	3.90	1.61	7	10	5.97	Kepp	.25	.13	6	2	3.14		
Orange Valley	...	...	...	...	5.28	Kew Park	.60	.20	9	4	2.21
Kent	3.98	*3.00	7	6	6.09	Mount Carey	3.15	1.07	31	6	...		
Dundee	6.59	2.84	7	6	8.19	Windsor Forest	...	...	...	...	4.37
Phoenix	4.40	*3.00	7	10	5.55	Chester Castle	...	...	...	...	2.82
Gale's Valley	...	...	...	...	5.59	Darliston P. W. D.	1.23	.65	27	7	...
Greenwood	4.52	3.82	7	4	...	Whithorn, P. W. D.	.19	.16	29	2	...		
Canaan	5.10	1.90	7	6	...	New Galloway	.00	...	...	0	...
Content	...	...	...	...	...	Lethe Bridge	1.76	...	...	...	...
Bellfield	6.70	3.45	7	7	...	Copse	...	...	...	...	3.88
Gullsbro'	3.54	1.68	7	4	4.69	Cacoon Castle	1.62	.60	11	6	6.09		
Tryall	9.45	8.00	7	7	...	Golden Grove	...	...	...	...	4.10
Leogan	...	...	...	...	7.49	Great Valley	2.19	.97	29	...	...
Success	6.30	6.20	7	3	...	Brownsville	2.14	.71	29	7	...		
Cinnamon Hill	7.37	*7.00	7	5	5.51	George's Plain Estate	.42	.42	29	1	...		
Rose Hall	5.73	5.40	7	6	6.47	Fontabelle	.61	.52	29	3	3.05		
Running Gut	...	...	...	...	5.72	Morgans Bridge PWD	.64	.52	29	3	...
Spring	6.95	6.80	7	3	...	King's Valley	.55	.50	30	2	4.49		
Ironshore	...	...	...	...	5.81	Abingdon	.22	.10	30	3	4.86
Friendship	...	...	...	...	...	Means	1.18	...	...	...	4.65
Providence	4.65	4.65	7	1	6.72								
Montego Bay P. W. D.	4.18	1.65	7	11	5.70								
Catherine Hall	...	...	...	...	6.16						
Catherine Mount	...	...	...	...	5.83						
Sairfield	3.10	2.26	7	3	3.85								
Anchovy	...	...	...	...	5.06						
Eden	...	...	...	...	4.37						
Wiltshire	...	...	...	...	3.50						
Round Hill	...	...	...	...	...			
Flint River	...	...	...	...	...			

*Gauge overflowed

SOUTHERN DIVISION.	DECEMBER.				
	Total Fall.	1895.			Average.
		Amount.	Date.	Days on which .01 or more fell.	
Morant Point L. H.	.71	.19	1	9	8.65
Morant Bay, P. W. D.	.30	.15	29	3	...
Lyssons	...	...	...	...	...
Easington P. W. D.	.43	.22	3	2	...
Abbey	1.34	1.00	10	6	3.34
Bull Bay P. W. D.	.00	...	...	0	...
Gordon Town	.51	.51	7	1	...
Hope Gardens	1.38	.91	10	4	2.55
Hope Reservoir	...	...	...	...	...
Cherry Garden	...	...	...	...	2.77
King's House	.88	.65	9	3	1.53
Cavaliers	...	...	...	...	...
Shortwood	1.40	.88	14	4	...
Constant Spring	...	...	...	...	...
Monaltrie	.96	.80	11	3	2.17
Halfway-Tree P.W.D.	.86	.86	10	1	...
Camperdown	...	...	...	...	...
Public Works Office Kn	1.87	1.24	3	3	1.91
Plumb Point L. H.	.74	.42	8	2	1.62
Port Royal	...	...	...	...	...
Ferry P. W. D.	.56	.51	10	1	...
Spanish Town P.W.D.	.27	.27	10	1	2.27
Windsor Park	...	...	...	...	2.42
Hog Hole Pen P.W.D.	.75	.75	10	1	2.37
Old Harbour P.W.D.	.23	.23	3	1	2.66
Somerset Hall	.75	.75	29	1	...
May Pen P. W. D.	.02	.02	12	1	...
Hermitage	.10	.10	10	1	...
Denbigh	...	...	...	...	2.29
Yarmouth P.W.D.	...	...	...	...	...
Victoria Town P.W.D.	.30	.25	9	2	...
Stone's Hope	.40	.27	10	3	2.52
Newport P. W. D.	.00	...	...	0	...
Alligator Pond P.W.D	2.36	2.36	4	1	...
Potsdam	.17	.15	8	2	3.05
Long Hill	1.23	1.23	27	1	3.07
Pepper	.12	.12	9	1	2.48
Torrington P. W. D.	...	...	...	...	...
Bethlehem	.29	.19	29	2	...
Santa Cruz P.W.D	.67	.34	9	2	...
Holland	.00	...	...	0	...
Black River P. W. D.	.00	...	...	0	...
Whitehall	...	...	...	...	...
Font Hill	.90	...	...	0	...
Grand Vale	...	...	...	...	...
Peter's Ville	.15	.13	29	2	...
Mount Edgecombe	.40	.23	8	2	2.61
Sweet River	.08	.08	29	1	2.87
Windsor, Sav.-la-Mar.	...	...	...	...	2.46
Sav.-la-Mar P. W. D.	.35	.35	29	1	...
Retreat	...	...	...	...	...
Negril Pt. Lighthouse	.55	.19	29	4	...
Means	.72	...	...	...	2.73

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

	DECEMBER.	
	1895.	Average.
North Eastern Division	8.15	13.20
Northern	4.96	6.13
West Central	1.18	4.66
Southern	.72	2.73
Means	3.75	6.69

Mr. Maxwell Hall has forwarded the following with reference to the sea level in Kingston during December, and for the year 1895:—

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 5 p.m.

Dec.	Highest 6 a.m. to 5 p.m.	Lowest 6 a.m. to 5 p.m.	Mean Sea-level 6 a.m. to 5 p.m.	Range 6 a.m. to 5 p.m.	Phase of Moon, &c.
Day.	In.	In.	In.	In.	
2	24.4	17.0	22.3	7.4	Full Moon.
3	24.0	16.2	21.4	7.8	Decl. 28° N.
4	23.4	16.6	20.9	6.8	
5	23.8	16.4	20.9	7.4	
6	24.2	17.0	20.9	7.2	
7	21.8	17.0	19.3	4.8	
9	18.4	18.0	18.3	0.4	Last Q. Peri-gee. Decl. 0°.
10	20.8	19.8	20.3	1.0	
11	19.0	18.0	18.5	1.0	
12	24.2	21.6	23.0	2.6	
16	24.2	17.4	21.6	6.8	New Moon. Decl. 28° S.
17	24.3	15.4	21.7	9.4	
18	24.4	15.4	20.9	9.0	
19	21.8	14.8	19.1	7.0	
20	20.4	15.2	18.7	4.2	
21	19.2	15.0	16.9	4.2	
23	17.2	15.8	16.8	1.4	Apogee. Decl. 0°.
24	18.2	17.2	17.9	1.0	First Q.
27	21.4	16.8	19.3	4.6	
28	21.8	15.4	18.4	6.4	
30	25.6	17.0	21.9	8.6	Decl. 28° N.
31	25.2	15.6	21.1	9.6	Full Moon.
Means	22.2	16.9	20.0	5.4	

We have the following Monthly Means for the year 1895:—

MONTH.	Means of Highest 6 a.m. to 5 p.m.	Means of Lowest 6 a.m. to 5 p.m.	Mean Sea-level 6 a.m. to 5 p.m.	Mean Range 6 a.m. to 5 p.m.
January	In. 19.5	In. 15.5	In. 18.0	In. 4.0
February	19.5	16.5	18.4	3.0
March	22.2	19.4	21.4	2.8
April	24.0	20.1	22.4	3.9
May	24.3	20.2	22.1	4.1
June	25.7	21.1	22.8	4.6
July	26.7	23.5	24.8	3.2
August	26.9	23.4	25.1	3.5
September	24.1	20.6	22.1	3.5
October	22.0	18.0	20.0	4.0
November	22.3	18.5	20.8	3.8
December	22.2	16.8	20.0	5.4
Means	23.3	19.5	21.5	3.8

The results for 1894 were 22.1, 17.2, 19.5, and 4.9 respectively. Consequently the Mean sea-level in 1895 was 2 inches higher than in 1894, and the Range was 1 inch less, according to these observations.

But when it was found that the chief tide on the coasts of Jamaica is a Diurnal tide of 24 hrs. and not a Semidiurnal tide of 12 hrs. (see Handbook for 1896) it was obvious that observations extending over 12 hrs. (6 a.m. to 5 p.m.) could not deal with the registration properly; and a self-registering Tide-gauge is now in course of construction which will register the height of the water in Kingston Harbour continuously through the 24 hours.

The greatest monthly fall viz. 33.60 inches was recorded at Green Vale in Portland, and no rain fell at Elim, and New Galloway in the W. C. Div., and at Newport, Holland, Black River and Font Hill in the S. Div. The greatest fall in 24 hours was 11.20 at Green Vale on the 7th. The greatest number of days on which rain fell at any one place was 23, also at Green Vale. Seventeen stations had in 24 hours falls of between 3 and 5 inches; eight falls of between 5 and 7 inches; and five stations had falls between 7 and 10 inches in twenty-four hours, while the station (Green Vale in Portland) with the greatest fall had over eleven inches in one day.

The mean approximate rainfall for the whole Island for November as arrived at on the 4th inst. was 4.10. This result was obtained from 34 stations with "averages." The results shown in the "Comparative Table" now published are from 73 such stations and show a mean rainfall for the island of 3.75 as compared with an average fall of 6.69.

The Northern half of the Island (comprising the N. E. and N. Divs.) had about two-thirds the average fall for December, while the Southern half had only about one fourth the average fall, thus giving a mean for the Island of very little over one half the average fall. The 7th 10th and 29th of the month are days on which most of the "heaviest falls" occurred. The rain on the 10th was the precursor of the "Norther" on the 11th, as to which see the detailed Kingston report.

The following notes have come to hand:

Cinchona Pln.—Very strong N. E. wind on 6th and 7th, and 17-21.

Castleton Gardens.—A lot of North wind for several days and nights.

Green Vale.—The month has been very windy.

Mahogany Hall. The rainfall for 1895 was 25.37 in excess of 1894.

Green Park.—Unusually cold during part of month, on 11th thermometer 65° in house at 9 p. m., and on 14th about same time 62°.

Tryall, St. James.—Measured 8 inches on Sat. 7th; but gauge overflowed during the heaviest part of the rain.

Bellfield.—5.60 (out of the total fall of 6.70) fell between 5th and 8th.

Canaan, Success, Cinnamon Hill, Rose Hall—on afternoon and night of 7th a terrible storm of rain, with strong gusts of wind now and then, occurred. All the "gullies" came down and rendered the seaside main road impassable, not so much on account of the heavy flow of water, as the washing out of the crossings into deep holes. The rain fell more heavily along the coast range—about 2 miles from the sea—where fully 9 inches must have fallen. Rose Hall gauge is a few chains from the sea, and Cinnamon Hill fully a mile inland—hence the difference in fall.

Several travellers (some that arrived by mail steamer) had to take refuge on the estates near by, till the following day.

Windsor.—Driest December since 1887.

Kepp.—The driest month known here since gauge has been kept—16 years.

Kings Valley.—Very dry indeed, high scorching winds.

Abingdon.—The first part of the month strong dry Norths day and night, the latter more mild, but the drought shows much on seaside commons and water ways. Fever prevails and sudden deaths.

Elim.—No rain fell for the month, strong North breezes, very cold at nights.

Great Valley.—This month is the driest we have had for 6 years.

Stones Hope.—Total fall for 1895, 22.67 inches under the average for 10 years.

Pepper.—Strong easterly winds and very dry.

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

	Rainfall recorded in 1895.	Average Rainfall.
	in.	in.
January	1.46	4.14
February	5.09	2.53
March	2.03	3.04
April	5.50	4.43
May	9.33	9.41
June	2.76	7.02
July	4.52	5.13
August	8.42	7.79
September	6.39	7.66
October	12.18	9.18
November	7.61	5.71
December	3.75	6.69
Total	69.04	72.73

It will be seen that the rainfall for the Island for the year was three and three quarter inches less than, or 95 per cent of the average. The complete detailed report of the Rainfall for 1895, to appear subsequently will show the exact result.

In the meantime the following table will be of interest, it contains the means of the Island Monthly Rainfall for the two periods 1870-79 and 1880-89, and the means for the combined period 1870-89 followed by the rainfall for 1890, 1891, 1892, 1893, 1894 and 1895, the last two years being approximate. It will be seen that 1895 has been drier than any other year since 1890.

ISLAND MONTHLY RAINFALL. 1890 to 1895 as compared with means for 1870-89.

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Means 1870-79	4.46	2.38	3.34	3.25	9.05	4.74	4.31	6.66	6.85	10.07	6.71	5.59	67.41
Means 1880-89	3.78	2.51	2.49	4.18	9.07	7.77	4.32	6.83	6.87	8.04	5.08	5.60	66.54
Means 1870-89	4.12	2.44	2.92	3.72	9.06	6.25	4.31	6.74	6.86	9.06	5.90	5.60	66.98
1890	5.21	2.92	5.84	3.37	5.57	4.13	4.99	8.92	6.52	7.04	6.52	5.39	64.44
1891	3.45	2.24	0.84	8.49	12.28	9.91	5.57	7.45	6.35	15.32	7.65	5.15	84.70
1892	4.00	1.38	2.27	2.82	8.52	7.31	4.44	7.65	8.86	12.16	9.96	3.61	72.98
1893	3.19	3.44	1.85	5.45	10.88	7.09	8.80	6.88	8.44	11.01	10.32	10.40	87.75
1894	2.19	2.56	3.48	5.21	17.01	3.90	5.88	4.05	7.00	12.80	4.84	6.62	75.54
1895	1.46	5.09	2.03	5.50	9.33	2.76	4.52	8.42	6.39	12.18	7.61	3.75	69.04

Kingston Jamaica.—Mean Results for the Year 1895. Elevation 50 feet.

MONTH.	PRESSURE.		TEMPERATURE.				DEWPOINT.		HUMIDITY.		WIND.								
											Direction from and Miles per Hour.								
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.	Total of miles of Wind.	Average Velocity per day.			
January	30.041	29.979	67.7	83.2	86.2	66.7	19.5	62.8	69.1	84	63	N	1.8	SE	6.8	SE	4.1	3020	97.4
February	30.041	29.992	68.7	82.5	85.3	67.0	18.3	62.6	69.6	81	65	N	2.2	SE	7.3	SE	4.2	2917	104.2
March	30.050	29.992	69.8	82.3	85.4	67.8	17.6	64.6	69.2	84	65	Var.	1.8	SE by S	8.7	SE by S	4.1	3096	99.9
April	30.012	29.952	73.9	84.2	86.5	71.1	15.4	68.4	71.7	83	66	Var.	1.6	SSE	8.5	SSE	4.3	3122	104.1
May	30.010	29.947	79.3	83.4	87.8	73.2	14.6	69.9	72.6	73	70	Var.	0.5	SE	8.3	SE	4.4	3295	106.3
June	30.037	29.994	79.3	86.1	89.0	73.4	15.6	69.3	70.5	72	60	Var.	0.8	SE	9.7	SE	4.9	3520	117.3
July	30.059	30.004	77.7	86.8	89.8	73.3	16.5	68.4	71.0	73	60	N	0.4	SE by E	9.4	SE	4.8	3590	115.8
August	29.987	29.938	75.6	87.0	89.9	73.3	16.6	68.7	72.5	80	63	N	0.5	SE	9.0	SE	4.3	3196	103.1
September	29.956	29.898	75.4	85.6	89.3	74.1	15.2	69.9	73.3	83	68	N	0.6	SE by E	7.3	SE	3.5	2502	83.4
October	29.923	29.858	75.0	84.4	88.0	73.5	14.5	71.3	72.6	88	69	Var.	0.5	SE by E	5.6	SE by S	3.0	2195	70.8
November	29.968	29.908	72.1	83.1	87.3	70.9	16.4	67.2	71.2	85	68	Var.	0.4	SE by S	4.6	SSE	2.9	2111	70.4
December	29.984	29.918	70.0	83.4	85.6	68.2	17.4	64.8	67.1	83	68	N	0.8	SSE	6.2	Var.	3.9	2934	94.6
Means	30.006	29.948	73.7	84.3	87.5	71.0	16.5	67.3	70.9	81	65	N	1.0	SE	7.6	SE by S	4.0	2958	95.4

KINGSTON, JAMAICA—Year 1895.

Month	Upper Cloud Percent- age.		Lower Cloud Percent- age.		Temperature					Total Rainfall.	Weather, Remarks, etc.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Extremes for the Month.						
					Max.	Date.	Min.	Date.	Range.		
January	1	3	8	42	88.6	31	63.6	6	25.0	in.	Fine.
February	9	10	25	49	88.5	1&2	64.1	6	24.4	0.05	Fine, with rain last week of month.
March	7	5	9	64	90.2	29	64.0	4	26.2	0.43	Fair.
April	20	16	18	54	90.3	20	67.8	14	22.5	0.98	Fair.
May	21	13	21	52	89.5	14	70.4	4	19.1	1.98	Fair.
June	7	10	32	52	91.9	17-18	69.7	1	22.2	0.32	Fair.
July	10	8	26	38	92.8	25	71.4	12	21.4	0.51	Fair.
August	13	16	21	40	94.6	17	70.4	20	24.2	2.39	Fair.
September	16	17	21	51	93.3	19	71.2	8	22.1	1.78	Fair.
October	21	17	33	56	98.5	4	71.4	24	22.1	7.21	Average "Seasons."
November	13	12	19	65	89.4	2	68.7	25	20.7	1.17	Fair.
December	15	17	20	31	89.0	8	62.8	21	26.2	1.87	Fine. "Northers" on 11th and 13th—14th.
Means	13	12	21	50	91.0	...	68.0		23.0	20.89	
Total	...	...	...	...	...	...	...

27th January, 1896.

ROBERT JOHNSTONE.