

JAMAICA.

MARCH 8, 1890.

No. 114.

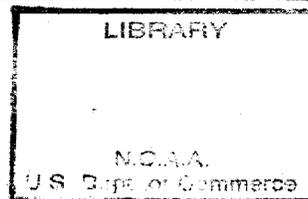
WEATHER REPORT

FOR THE MONTH OF

*QC
987
.J25
W34
1890
[Jan.-Aug.]*

JANUARY, 1890.

Published by Authority.



JAMAICA:
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET KINGSTON.

1890.

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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March 28, 2002

METEOROLOGICAL RESULTS FOR JANUARY, 1890.

STATION.	ELEVATION.	MEANS FOR THE MONTH.									
		Pressure.		Temperature.		Dew-point.		Vapour.		Humidity.	
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
Kingston	ft. 60	in. 30.056	in. 29.993	° 67.5	° 85.0	° 63.1	° 68.5	in. 0.578	in. 0.697	86	58
King's House	400										
Castleton Gardens	580										
Cinchona Plantation	4,907										

STATION.	MEANS FOR THE MONTH.					EXTREMES FOR THE MONTH.					TOTAL RAINFALL.
	Temperature.			Wind.		Temperature.					
	Max.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
Kingston	88.9	64.5	24.4	S.	31.3	90.9	2.12	62.0	14	28.9	inch. 0.34
King's House											
Castleton Gardens											
Cinchona Plantation											

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 the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials.
		Max.	Min.				
1890.		°	°	°	in.		
February 2nd	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.

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 a few years past:—

	JANUARY.	
	1890.	Average.
Infantile diseases not otherwise specified	24	25
Lung diseases	23	19
Fever	19	5
Dysentery and Diarrhoea	10	7
Various	60	51
Total	136	107

Of the various 7 were due to whooping cough, 4 to Measles, 1 to Influenza and 24 were undescribed.

RAINFALL FOR JANUARY, 1890.

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 October, 1883, as Nos. 31 and 32 of the present series of Reports, and to an unpublished Supplementary Table of the average

Rainfall at certain places, where gauges have been registered for at least five years. 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.	
		1890.	Average.
		In.	In.
Morant Point L. H.	St. Thomas	4.42	5.28
Hordley	...	3.74	5.94
Boston	...	...	...
Port Antonio	...	...	...
Cinchona Plantation,	St. Andrew	...	10.60
New Haven Gap	...	...	...
Newton	...	2.36	...
Stony Hill Reformatory	...	3.11	4.82
Castleton Gardens	St. Mary	...	9.71
Dover	...	11.45	...
Quebec	...	...	...
Richmond	...	13.80	...
Port Maria	...	9.14	...

NORTH-EASTERN DIVISION, contd JANUARY.

		1890. | Average.	
		In.	In.
New Ramble	...	...	...
Gayle	...	22.50	9.50
Goshen	...	...	...
Rio Hoe	St. Ann	17.63	7.42
Unity Valley	...	9.84	7.63
Moneague	...	10.13	...
Albion	...	10.89	6.15
Averham Park	...	17.84	...
Bradfield	...	14.76	8.24
Drax Hall	...	9.87	7.30
Seville	...	8.47	7.16
Llandoverly	...	13.56	5.68
Richmond Estate	...	13.89	5.72
Southfield	...	...	...
Means		11.06	6.74

NORTHERN DIVISION. JANUARY.

		1890. | Average.	
		In.	In.
Home Castle	St. Ann	13.66	...
Richmond Pen	...	1.27	...
Colchis Pen	Trelawny	8.34	...
Mahogany Hall	...	12.33	...
Braco	...	10.93	5.01
Aroadia	...	11.41	...
Harmony Hall	...	10.85	4.32
Lancaster	...	9.89	5.12
Vale Royal	...	12.23	5.39
Hyde	...	10.50	6.05
Georgia	...	...	5.02
Steelfield	...	9.40	5.03
Oxford	...	11.90	...
Cambridge	...	9.56	5.23
Dry Valley	...	9.84	...
Lottery	...	7.73	4.18
Falmouth	...	15.23	...
Holland Pen	...	4.95	...
Golden Grove	...	4.60	4.43
Pembroke	...	...	3.82
Green Park	...	...	...
Phoenix	...	4.39	...
Tilston	...	4.08	5.52
Orange Valley	...	5.37	4.79
Kent	...	5.69	4.98
Dundee	...	4.69	5.31
Weston Favel	...	5.03	...
Gale's Valley	...	5.85	4.47
Greenwood	St. James	6.67	...
Bellfield	...	5.17	...
Guilshro'	...	4.50	...
Spring Vale	...	...	...
Cinnamon Hall	...	...	...
Rose Hall	...	...	...
Running Gut	...	4.10	3.78
Leogan	...	2.23	...
Ironshore	...	4.31	2.76
Providence	...	...	...
Montego Bay (Market)	...	2.35	...
Catherine Hall	...	...	4.43
Catherine Mount	...	2.13	4.36
Fairfield	...	1.59	...
Means		7.17	4.75

WEST CENTRAL DIVISION. JANUARY.

		1890. | Average.	
		In.	In.
Linstead	St Catherine	3.60	2.14
Cave Valley	St. Ann	0.95	2.95
Derry	...	...	...
Barton Isles	St. Elizabeth	...	...
Appleton	...	1.80	2.09
Windsor Pen	Trelawny	3.86	...
Maroon Town	St. James	2.38	...
Kepp	St. Elizabeth	3.53	...
Mount Edgecombe	Westmoreland	2.04	2.45
Windsor Forest	...	...	...
Woodstock	...	3.27	...
Struie	...	2.60	...
Kew Park	...	2.84	...
Chester Castle	Hanover	1.01	...
Copse	...	1.52	3.99
Haughton Grove	...	...	...
Kempshot	St. James	...	...
Anchovy	...	1.11	2.90
Wiltshire	...	1.55	3.75
Eden	...	1.40	...
Bound Hill	Hanover	0.35	2.31
Cacoon Castle	...	...	4.87
Golden Grove	...	0.96	3.57
Great Valley Pen	...	1.15	...
Flint River	...	0.62	...
Tryall	...	0.35	2.13
Sweet River	Westmoreland	...	...
Mackfield	...	...	...
Windsor (Sav.-la-Mar)	...	2.18	1.89
Kew	Hanover	0.85	...
Three Mile River	Westmoreland	1.20	...
George's Plain Estate	...	1.12	...
Fontabelle	...	...	...
Belle Isle	...	1.15	...
King's Valley	...	3.49	...
Haughton Court	Hanover	...	...
Orange Cove	...	0.66	3.96
Abingdon	...	3.87	...
Means		1.42	2.84

SOUTHERN DIVISION.

		JANUARY.	
		1890. | Average.	
		In.	In.
Albion Hospital	St. Thomas	1.31	...
The Abbey	...	1.70	...
Halbertstadt	St. Andrew	2.45	...
Middleton	...	...	...
Woodford	...	...	...
Mona	...	...	...
Hope Plantation	St. Andrew	...	2.90
Hope Reservoirs	...	...	...
Cherry Garden	...	0.90	...
Constant Spring	...	0.15	...
Shortwood	...	...	...
Camperdown	...	0.34	...
King's House	...	...	1.72
Monaltrie	...	1.12	1.56
Public Works Office,	Kingston	0.32	1.78
Franklyn Town	...	...	...
Elletson Road	...	0.34	...
Plumb Point L.H.	...	0.10	1.16
Spanish Town	St. Catherine	...	1.77
Windsor Park	...	0.66	...
Hog Hole Pen	...	...	2.02
Headworks, R. O. C.	...	...	2.80
Old Harbour	...	...	...
Farm Plantation	Manchester	1.58	2.65

SOUTHERN DIVISION, cont.

		JANUARY.	
		1890. | average.	
		In.	in.
Stone's Hope	...	...	...
Brokenhurst Pen	...	...	...
Pepper	St. Elizabeth	2.81	1.47
Long Hill	...	2.82	2.00
Potsdam	...	2.96	...
Gilnock Hall	...	...	...
Santa Cruz Poor-house	...	2.24	...
Black River	...	...	1.76
Bloomsbury	...	...	...
Means		1.38	1.77

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 0.08 and 0.10 inches respectively.

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

		JANUARY.	
		1890. | Average.	
		In.	In.
North Eastern Division		11.06	6.74
Northern	"	7.17	4.75
West Central Division		1.42	2.84
Southern	"	1.38	1.77
The Island		5.26	4.02

The largest fall namely, 22.50 inches, was recorded at Gayle in St. Mary; the smallest 0.10 inches, was recorded at Plumb Point Lighthouse.

The rainfall for the month in the North Eastern and Northern Divisions was half as much again as the average, while the fall in the West Central and Southern Divisions was less than the average.

ROBT. JOHNSTONE.

Kingston, 3rd March, 1890.



JAMAICA.

MARCH 25, 1890.

No. 115.

WEATHER REPORT

FOR THE MONTH OF

FEBRUARY, 1890.

Published by Authority.

JAMAICA:
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET KINGSTON.

1890.

METEOROLOGICAL RESULTS FOR FEBRUARY, 1890.

STATION.	ELEVATION.	MEANS FOR THE MONTH.									
		Pressure.		Temperature		Dew-point.		Vapour.		Humidity.	
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
Kingston	ft. 60	in. 30.053	in. 29.992	° 67.4	° 83.2	° 62.9	° 68.9	in. .574	in. .706	86	62
King's House	400	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	580	...	...	...	...	...	...	...	...	...	...
Cinchona Plantation	4,907	...	...	...	...	...	...	...	...	...	...

STATION.	MEANS FOR THE MONTH.					EXTREMES FOR THE MONTH.					TOTAL RAINFALL.
	Temperature.			Wind.		Temperature.					
	Max.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
Kingston	86.9	64.2	22.7	S.E.	40.5	89.1	25	60.2	4	28.9	inch. 0.37
King's House	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	...	...	...	...	...	...	...	...	...	...	...
Cinchona Plantation	...	...	...	...	...	...	...	...	...	...	...

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 the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials.
		Max.	Min.				
1890.		•	•	•	in.		
January 4th	2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.
March 1st	3.15 p.m.	64	39	57	16.90	Fine, warm and calm.	B. S. G.

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 a few years past:—

	FEBRUARY.	
	1890.	Average.
Infantile diseases not otherwise specified	18	27
Lung diseases	16	14
Fever	14	7
Dysentery and Diarrhoea	26	8
Various	46	52
Total	120	108

RAINFALL FOR FEBRUARY, 1890.

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 October, 1888, as Nos. 21 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. 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.	
		1890. | Average.	
		In.	In.
Morant Point L. H.	St. Thomas	3.10	2.98
Hordley	...	4.36	4.40
Boston	...	...	...
Port Antonio	...	...	...
Cinchona Plantation,	St. Andrew	...	2.56
New Haven Gap	...	...	...
Newton	...	1.30	...
Stony Hill Reformatory	...	3.70	2.65
Castleton Gardens	St. Mary	...	2.09
Dover	...	...	...
Quebec	...	...	...
Richmond	...	7.18	...
Port Maria	...	4.28	...
New Ramble	...	...	4.25
Gayle	...	9.90	6.31
Goshen	...	...	...
Rio Hoe	St. Ann	6.29	3.69
Unity Valley	...	4.93	2.34
Moneague	...	4.03	...
Albion	...	4.27	3.30
Averham Park	...	4.32	...
Bradfield	...	4.65	...
Drax Hall	...	2.72	4.52
Seville	...	...	4.16
Llandoverly	...	...	3.32
Richmond Estate	...	...	3.65
Southfield	...	...	...
Means		4.91	3.77

NORTHERN DIVISION.		FEBRUARY.	
		1890. | Average.	
		In.	In.
Home Castle	St. Ann	1.73	...
Richmond Pen	...	2.45	...
Colchis Pen	Trelawny	1.53	...
Mahogany Hall	...	2.02	1.74
Braco	...	0.90	2.21
Arcadia	...	1.82	...
Harmony Hall	...	0.89	...
Lancaster	...	1.07	2.32
Vale Royal	...	1.60	2.73
Hyde	...	1.34	2.28
Georgia	...	...	2.53
Steelfield	...	1.10	1.77
Oxford	...	0.78	...
Cambridge	...	1.00	2.69
Dry Valley	...	0.51	...
Lottery	...	0.46	2.02
Falmouth	...	0.50	...
Holland Pen	...	0.22	...
Golden Grove	...	0.10	3.07
Pembroke	...	...	1.42
Green Park	...	...	1.58
Phoenix	...	0.55	...
Tilston	...	0.20	1.40
Orange Valley	...	0.25	2.57
Kent	...	0.00	2.68
Dundee	...	0.41	2.57
Weston Favel	...	0.20	...
Gale's Valley	...	0.55	1.97
Greenwood	St. James	0.25	...
Bellfield	...	...	...
Gaillsbro'	...	0.15	...
Spring Vale	...	...	2.04
Cinnamon Hall	...	...	...
Rose Hall	...	...	...
Running Gut	...	...	...

NORTHERN DIVISION, contd.		FEBRUARY.	
		1890. | Average.	
		In.	In.
Leogan	...	...	...
Ironshore	...	...	2.86
Providence	...	...	...
Montego Bay (Market)	...	0.45	...
Catherine Hall	...	0.50	1.92
Catherine Mount	...	0.31	1.63
Fairfield	...	0.45	...
Means		0.74	2.22

WEST CENTRAL DIVISION.		FEBRUARY.	
		1890. | Average.	
		In.	In.
Linstead	St. Catherine	3.67	2.54
Cave Valley	St. Ann	2.28	2.66
Derry	...	...	...
Barton Isles	St. Elizabeth	...	...
Appleton	...	...	4.12
Windsor Pen	Trelawny	0.93	...
Maroon Town	St. James	0.64	...
Kepp	St. Elizabeth	5.29	6.56
Mount Edgecombe	Westmoreland	3.24	3.05
Windsor Forest	...	...	...
Woodstock	...	...	...
Struie	...	...	...
Kew Park	...	1.85	...
Chester Castle	Hanover	1.25	...
Copse	...	0.75	1.88
Haughton Grove	...	...	...
Kempshot	St. James	...	...
Auchovy	...	0.02	1.11
Wiltshire	...	0.15	2.60
Eden	...	0.00	...
Round Hill	Hanover	0.00	1.25
Cacoon Castle	...	0.54	1.64
Golden Grove	...	2.78	...
Great Valley Pen	...	...	...
Flint River	...	0.29	...
Tryall	...	0.09	1.23
Sweet River	Westmoreland	...	...
Mackfield	...	...	...
Windsor (Sav.-la-Mar)	...	1.32	2.59
Kew	Hanover	...	...
Three Mile River	Westmoreland	2.50	...
George's Plain Estate	...	...	...
Fontabelle	...	...	...
Balle Isle	...	3.35	...
King's Valley	...	1.60	...
Haughton Court	Hanover	...	...
Orange Cove	...	1.11	2.49
Abingdon	...	...	...
Means		1.54	2.47

SOUTHERN DIVISION.		FEBRUARY.	
		1890. | Average.	
		In.	In.
Albion Hospital	St. Thomas	...	...
The Abbey	...	1.80	...
Halbertstadt	St. Andrew	...	...
Middleton	...	...	...
Woodford	...	...	...
Hope Plantation	St. Andrew	...	...
Hope Reservoirs	...	1.14	1.13
Cherry Garden	...	2.08	...
Constant Spring	...	...	...
Shortwood	...	...	...

SOUTHERN DIVISION, *cont.*

		FEBRUARY.	
		1890.	average.
		In.	In.
Camperdown	...	1.00	...
King's House	...	...	...
Monaltrie	...	0.79	1.21
Public Works Office,	Kingston	0.27	1.02
Franklyn Town	...	...	...
Elletson Road	...	...	...
Plumb Point L. H.	...	0.32	1.04
Spanish Town	St. Catherine	1.12	2.07
Windsor Park	...	...	...
Hog Hole Pen	...	1.14	2.38
Headworks, R. C. C.	...	1.54	2.11
Old Harbour	...	2.95	...
Farm Plantation	Manchester	2.55	2.61
Stone's Hope	...	1.51	...
Brokenhurst Pen	...	...	...
Pepper	St. Elizabeth	...	1.58
Long Hill	...	4.05	1.46
Potsdam	...	4.19	...
Gilnock Hall	...	...	...
Santa Cruz Poor-house	...	...	...
Black River	...	...	1.85
Bloomsbury	...	...	...
Means		1.44	1.67

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 0.23 and 0.32 inches respectively.

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

		FEBRUARY.	
		1890.	Average.
		In.	In.
North Eastern Division		4.91	3.77
Northern	"	0.74	2.22
West Central Division		1.54	2.47
Southern	"	1.44	1.67
The Island		2.16	2.53

The largest fall namely, 9.90 inches, was recorded at Gayle in St. Mary; and no rain fell at Kent in Tre-lawny, Eden in St. James and Round Hill in Hanover.

The rainfall for the month in the North-Eastern Division was more than the average, while the fall in the Northern, West-Central and Southern was less than the average; the fall for the whole Island has thus been about the mean.

A sharp shock of earthquake is reported to have been felt at Potsdam, in St. Elizabeth, at 1.45 a.m. on the 22nd February.

ROBT. JOHNSTON.

Kingston, 18th March, 1890.



JAMAICA.

APRIL, 23, 1890.

No. 116.

WEATHER REPORT

FOR THE MONTH OF

MARCH, 1890.

Published by Authority.

JAMAICA:
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET KINGSTON.

1890.

METEOROLOGICAL RESULTS FOR MARCH, 1890.

STATION.	ELEVATION.	MEANS FOR THE MONTH.									
		Pressure.		Temperature.		Dew-point.		Vapour.		Humidity.	
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
Kingston	ft. 60	in. 30.042	in. 29.981	° 70.1	° 81.1	° 64.5	° 68.0	in. 0.607	in. 0.684	83	66
King's House	400	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	580	...	...	...	...	...	...	...	...	...	...
Cinchona Plantation	4,907	...	...	...	...	...	...	...	...	...	...

STATION.	MEANS FOR THE MONTH.					EXTREMES FOR THE MONTH.					TOTAL RAINFALL.
	Temperature.			Wind.		Temperature.					
	Max.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
Kingston	° 85.5	° 66.8	° 18.7	S.E.	51.5	° 89.3	24	° 61.4	14	° 27.9	inch. 3.27
King's House	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	...	...	...	...	...	...	...	...	...	...	...
Cinchona Plantation	...	...	...	...	...	...	...	...	...	...	...

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 the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials.
		Max.	Min.				
1890.		°	°	°	in.		
January 4th	2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.
March 1st	3.15 p.m.	64	39	57	16.90	Fine, warm and calm.	B. S. G.
March 29th	3.45 p.m.	71	49.5	54	8.92	Fine, clear, light breeze.	B. S. G.

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 a few years past:—

	MARCH.	
	1890.	Average.
Infantile diseases not otherwise specified	51	37
Lung diseases	21	15
Fever	7	5
Dysentery and Diarrhoea	9	12
Various	88	74
Total	165	143

RAINFALL FOR MARCH, 1890.

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 October, 1883, as Nos. 31 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. 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.

		1890. | Average.	
		In.	In.
Morant Point L. H.	St. Thomas	2.77	2.14
Hordley	...	5.17	3.78
Boston	...	...	...
Port Antonio	...	...	...
Cinchona Plantation,	St. Andrew	...	8.83
New Haven Gap	...	...	...
Newton	...	...	...
Stony Hill Reformatory	...	5.14	4.14
Castleton Gardens	St. Mary	...	4.73
Dover	...	...	...
Quebec	...	...	...
Richmond	...	5.11	...
Port Maria	...	5.91	...
New Ramble	...	10.16	6.55
Gayle	...	...	5.37
Goshen	...	...	...
Rio Hoe	St. Ann	5.65	5.46
Unity Valley	...	3.04	4.97
Moneague	...	3.46	...
Albion	...	6.17	4.18
Averham Park	...	8.50	...
Bradfield	...	6.24	5.58
Drax Hall	...	...	4.04
Seville	...	7.24	4.82
Llandoverly	...	7.98	2.05
Richmond Estate	...	...	2.58
Southfield	...	...	...
Means		5.96	4.37

NORTHERN DIVISION. MARCH.

		1890. | Average.	
		In.	In.
Home Castle	St. Ann	...	...
Richmond Pen	...	...	...
Colchis Pen	Trelawny	...	...
Mahogany Hall	...	...	1.68
Braco	...	...	2.10
Arcadia	...	...	...
Harmony Hall	...	3.54	1.96
Lancaster	...	...	2.56
Vale Royal	...	...	2.66
Hyde	...	...	4.17
Georgia	...	...	2.42
Steelfield	...	...	2.52
Oxford	...	...	...
Cambridge	...	...	2.57
Dry Valley	...	2.50	...
Lottery	...	...	2.30
Falmouth	...	8.80	...
Holland Pen	...	...	...
Golden Grove	...	3.95	5.43
Pembroke	...	...	...
Green Park	...	...	...
Phoenix	...	4.15	...
Tilston	...	3.85	4.59
Orange Valley	...	4.80	2.28
Kent	...	4.70	1.93
Dundee	...	3.18	3.22
Weston Favel	...	5.79	...
Gale's Valley	...	7.10	2.35
Greenwood	St. James	4.12	...
Bellfield	...	...	...
Guilbro'	...	4.65	...
Spring Vale	...	...	...
Cinnamon Hall	...	...	...
Rose Hall	...	...	...
Running Gut	...	2.20	...

NORTHERN DIVISION, contd. MARCH.

		1890. | Average.	
		In.	In.
Leogan	St. James.	...	...
Ironshore	...	2.94	...
Providence	...	...	1.39
Montego Bay (Market)	...	1.30	...
Catherine Hall	...	0.85	2.03
Catherine Mount	...	1.22	1.77
Fairfield	...	0.86	...
Means		3.69	2.84

WEST CENTRAL DIVISION. MARCH.

		1890. | Average.	
		In.	In.
Linstead	St Catherine	3.20	1.87
Cave Valley	St. Ann	...	4.51
Derry	...	...	...
Barton Isles	St. Elizabeth	...	...
Appleton	...	...	5.10
Windsor Pen	Trelawny	6.36	...
Maroon Town	St. James	...	...
Kepp	St. Elizabeth	11.48	2.34
Mount Edgcombe	Westmoreland	5.60	2.70
Windsor Forest	...	...	...
Woodstock	...	...	...
Struie	...	...	...
Kew Park	...	9.05	...
Chester Castle	Hanover	6.88	...
Copse	...	8.98	2.74
Haughton Grove	...	...	...
Kempshot	St. James	...	...
Anchovy	...	5.33	2.14
Wiltshire	...	4.12	3.26
Eden	...	4.61	...
Round Hill	Hanover	1.90	2.38
Cocoon Castle	...	...	2.76
Golden Grove	...	10.33	3.42
Great Valley Pen	...	...	...
Flint River	...	4.77	...
Tryall	...	4.62	0.99
Sweet River	Westmoreland	...	...
Mackfield	...	...	...
Windsor (Sav.-la-Mar)	...	5.35	2.89
Kew	Hanover	...	...
Three Mile River	Westmoreland	3.50	...
George's Plain Estate	...	6.87	...
Fontabelle	...	...	...
Belle Isle	...	6.60	...
King's Valley	...	4.06	...
Haughton Court	Hanover	...	...
Orange Cove	...	...	2.64
Abingdon	...	11.28	...
Means		6.10	2.47

SOUTHERN DIVISION. MARCH.

		1890. | Average.	
		In.	In.
Albion Hospital	St. Thomas	...	...
The Abbey	...	4.19	...
Halbertstadt	St. Andrew	...	...
Middleton	...	...	...
Woodford	...	...	...
Hope Plantation	St. Andrew	3.58	...
Hope Reservoirs	...	...	...
Cherry Garden	...	...	...
Constant Spring	...	...	...
Shortwood	...	...	...

SOUTHERN DIVISION, cont.

MARCH.

		1890. | average.	
		In.	In.
Camperdown	St. Andrew.	...	...
King's House	...	...	1.61
Monaltrie	...	4.06	1.60
Public Works Office,	Kingston	3.44	1.47
Franklyn Town	...	...	...
Elletson Road	...	...	...
Plumb Point L. H.	...	2.84	0.94
Spanish Town	St. Catherine	4.57	3.15
Windsor Park	...	3.00	...
Hog Hole Pen	...	3.74	3.35
Headworks, R. C. C.	...	6.30	4.37
Old Harbour	...	3.55	...
Farm Plantation	Manchester	2.82	3.15
Stone's Hope	...	...	...
Brokenhurst Pen	...	1.39	...
Pepper	St. Elizabeth	4.80	4.41
Long Hill	...	4.20	2.66
Potsdam	...	2.29	...
Gilnock Hall	...	...	...
Santa Cruz Poor-house	...	7.50	...
Black River	...	...	2.44
Bloomsbury	...	...	...
	Means	4.08	2.79

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 2.35 and 2.84 inches respectively.

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

		MARCH.	
		1890. | Average.	
		In.	In.
North Eastern Division		5.96	4.37
Northern	"	3.69	2.84
West Central Division		6.10	2.47
Southern	"	4.08	2.79
	The Island	4.96	3.12

The largest fall namely, 11.48 inches, was recorded at Kepp in St. Elizabeth; the smallest, 0.85 inches, was recorded at Catherine Hall in St. James.

The rainfall for the month exceeded the average for each division of the Island. The West-central division noting more than double the mean. The fall for the whole Island shewed an excess of over one-half of the average.

The "19th Century" Montego Bay of 29th March reports that "on Thursday 27th instant there was a heavy fall of hailstones over a large district, comprising Belfont, Cambridge, Mount Horeb, and Bruce Hall.

"Our informant who lives in the district assures us that the fall was of some hours duration and the pellets about the size of a pigeon's egg.

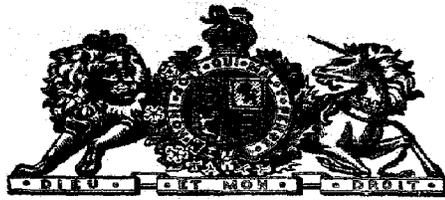
"On Friday hail also fell at Mr. Ramsay's Pen, Birch Hill, just a mile and a half from this town.

J. F. BRENNAN.

Kingston, 17th April, 1890.

NOTE—It is requested that all Rainfall returns may be sent to me until further notice, and it is particularly asked, that, they may be transmitted at as early a date as possible, after the close of each month.

J. F. B.



JAMAICA.

MAY 22, 1890.

No. 117.

WEATHER REPORT

FOR THE MONTH OF

A P R I L, 1 8 9 0.

Published by Authority.

JAMAICA:
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET KINGSTON.

1890.

METEOROLOGICAL RESULTS FOR APRIL, 1890.

STATION.	ELEVATION.	MEANS FOR THE MONTH.									
		Pressure.		Temperature.		Dew-point.		Vapour.		Humidity.	
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ft.	in.	in.	°	°	°	°	°	°	°	°
Kingston	60	30.073	30.015	71.2	83.1	65.3	68.4	0.624	0.694	81	63
King's House	400	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	580	...	...	...	...	...	...	...	...	...	...
Cinchona Plantation	4,907	...	...	...	...	...	...	...	...	...	...

STATION.	MEANS FOR THE MONTH.					EXTREMES FOR THE MONTH.					TOTAL RAINFALL
	Temperature.			Wind.		Temperature.					
	Max.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
Kingston	86.3	67.9	18.4	S.E.	39.6	90.3	20th	65.0	25th	25.3	inch. 0.26
King's House	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	...	...	...	...	...	...	...	...	...	...	...
Cinchona Plantation	...	...	...	...	...	...	...	...	...	...	...

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 the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials.
		Max.	Min.				
1890.		°	°	°	in.		
January 4th	2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.
March 1st	3.15 p.m.	64	39	57	16.90	Fine, warm and calm.	B. S. G.
March 29th	3.45 p.m.	71	49.5	54	18.92	Fine, clear, light breeze.	B. S. G.
May 3rd	2.30 p.m.	67	38	56	19.40	Bright sun, clear	B. S. G.

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 a few years past:—

	APRIL.	
	1890.	Average.
Infantile diseases not otherwise specified	23	29
Lung diseases	27	15
Fever	14	3
Dysentery and Diarrhoea	20	9
Various	82	52
Total	166	108

RAINFALL FOR APRIL, 1890.

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 October, 1883, as Nos. 31 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. 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.	
		1890. | Average.	
		In.	In.
Morant Point L. H.	St. Thomas	2.00	3.90
Hordley	...	2.23	3.38
Boston	...	...	...
Port Antonio	...	...	...
Cinchona Plantation,	St. Andrew	...	9.34
New Haven Gap	...	...	...
Newton	...	2.83	...
Stony Hill Reformatory	...	2.62	5.76
Castleton Gardens	St. Mary	...	6.14
Daver	...	...	...
Quebec	...	...	...
Richmond	...	1.71	...
Port Maria	...	3.44	...
New Ramble	...	3.57	3.04
Gayle	...	...	2.87
Goshen	...	...	...
Rio Hoe	St. Ann	2.54	3.82
Unity Valley	...	1.42	5.22
Moneague	...	1.56	...
Albion	...	2.13	4.19
Averham Park	...	3.32	...
Bradfield	...	2.54	4.11
Drax Hall	...	...	2.43
Seville	...	...	...
Llandoverly	...	...	...
Richmond Estate	...	...	...
Southfield	...	...	...
Means		2.38	4.18

NORTHERN DIVISION.		APRIL.	
		1890. | Average.	
		In.	In.
Home Castle	St. Ann	...	...
Richmond Pen	...	0.57	...
Colchis Pen	Trelawny	...	...
Mahogany Hall	...	2.69	2.43
Braco	...	...	2.38
Arcadia	...	...	...
Harmony Hall	...	...	...
Lancaster	...	...	2.14
Vale Royal	...	...	2.80
Hyde	...	...	2.73
Georgia	...	...	2.19
Steelfield	...	...	2.35
Oxford	...	...	...
Cambridge	...	...	2.11
Dry Valley	...	1.45	...
Lottery	...	...	2.06
Falmouth	...	1.92	1.08
Holland Pen	...	...	...
Golden Grove	...	2.45	2.13
Pembroke	...	...	2.77
Green Park	...	...	...
Phoenix	...	4.92	...
Tilston	...	2.20	2.39
Orange Valley	...	2.15	2.20
Kent	...	1.70	2.05
Dundee	...	1.37	2.50
Weston Favel	...	6.12	...
Gale's Valley	...	6.17	2.06
Greenwood	St. James	0.42	...
Bellfield	...	...	...
Guilshro'	...	2.35	...
Spring Vale	...	...	...
Cinnamon Hall	...	...	...
Rose Hall	...	...	...
Bunning Gut	...	0.40	...

NORTHERN DIVISION, contd.		APRIL.	
		1890. | Average.	
		In.	In.
Leogan	St. James.	1.68	...
Ironshore	...	0.81	2.02
Providence	...	...	...
Montego Bay (Market)	...	...	...
Catherine Hall	...	1.65	2.04
Catherine Mount	...	2.03	2.99
Fairfield	...	1.72	...
Means		2.29	2.17

WEST CENTRAL DIVISION.		APRIL.	
		1890. | Average.	
		In.	In.
Linstead	St Catherine	1.92	3.67
Cave Valley	St. Ann	...	4.55
Derry	...	...	...
Barton Isles	St. Elizabeth	...	...
Appleton	...	7.87	9.92
Windsor Pen	Trelawny	7.17	...
Maroon Town	St. James	...	...
Kepp	St. Elizabeth	7.24	9.65
Mount Edgecombe	Westmoreland	6.32	5.08
Wind-or Forest	...	...	...
Woodstock	...	...	...
Strnie	...	...	...
Kew Park	...	3.51	...
Chester Castle	Hanover	4.11	...
Copse	...	1.90	7.13
Haughton Grove	...	...	...
Kempshot	St. James	...	...
Anchovy	...	3.28	3.03
Wiltshire	...	2.53	3.66
Eden	...	2.52	...
Round Hill	Hanover	2.80	1.58
Cacoon Castle	...	...	...
Golden Grove	...	7.35	7.93
Great Valley Pen	...	...	...
Flint River	...	2.40	...
Tryall	...	1.83	2.20
Sweet River	Westmoreland	...	...
Mackfield	...	...	...
Windsor (Sav.-la-Mar)	...	1.97	5.11
Kew	Hanover	...	...
Three Mile River	Westmoreland	4.20	...
George's Plain Estate	...	3.23	...
Fontabelle	...	...	...
Belle Isle	...	9.65	...
King's Valley	...	2.66	...
Haughton Court	Hanover	...	...
Orange Cove	...	...	3.31
Abingdon	...	0.80	...
Means		4.09	5.36

SOUTHERN DIVISION.		APRIL.	
		1890. | Average.	
		In.	In.
Albion Hospital	St. Thomas	...	...
The Abbey	...	...	...
Halbertstadt	St. Andrew	...	...
Middleton	...	...	...
Woodford	...	...	...
Hope Plantation	St. Andrew	2.10	...
Hope Reservoirs	...	...	...
Cherry Garden	...	...	...
Constant Spring	...	1.17	...
Shortwood	...	...	...

SOUTHERN DIVISION, *contd.*

APRIL.

1890. | average.

		In.	In.
Camperdown	St. Andrew.	1.94	...
King's House	...	...	3.05
Monaltrie	...	2.01	1.48
Public Works Office,	Kingston	0.50	1.19
Franklyn Town	...	...	...
Elletson Road	...	...	...
Plumb Point L. H.	...	0.35	1.13
Spanish Town	St. Catherine	0.48	1.90
Windsor Park	...	...	...
Hog Hole Pen	...	0.75	2.14
Headworks, R. C. C.	...	5.72	2.00
Old Harbour	...	3.20	...
Farm Plantation	Manchester	2.24	2.82
Stone's Hope	...	1.24	...
Brokenhurst Pen	...	3.84	...
Pepper	St. Elizabeth	8.13	6.45
Long Hill	...	1.90	8.93
Potsdam	...	4.95	...
Gilnock Hall	...	...	...
Santa Cruz Poor-house	...	5.12	...
Black River	...	...	3.10
Bleomsbury	...	...	...
Means		2.45	3.11

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 0.30 and 0.35 inches respectively.

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

APRIL.

1890. | Average.

	In.	In.
North Eastern Division	2.38	4.18
Northern	2.29	2.17
West Central Division	4.09	5.86
Southern	2.45	3.11

The Island	2.50	3.71

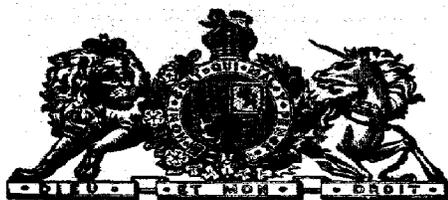
The largest fall, namely, 8.13 inches, was recorded at Pepper Pen in the Parish of St. Elizabeth; the smallest, 0.35, was recorded at the Plumb Point Light House.

The rainfall for the month was deficient in the North-eastern, West-central and Southern divisions; that of the Northern division noting about the average. The fall for the whole Island shewed somewhat less than the average.

A slight shock of earthquake was felt in this city at about 11.43 a.m., on Thursday the 3rd April.

J. F. BRENNAN.

Kingston, 17th May, 1890.



JAMAICA.

JUNE 23, 1890.

No. 118.

WEATHER REPORT

FOR THE MONTH OF

M A Y, 1 8 9 0.

Published by Authority.

J A M A I C A :
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET KINGSTON.

1890.

METEOROLOGICAL RESULTS FOR MAY, 1890.

STATION.	ELEVATION.	MEANS FOR THE MONTH.									
		Pressure.		Temperature		Dew-point.		Vapour.		Humidity.	
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
Kingston	ft. 60	in. 30.025	in. 29.971	° 75.4	° 83.4	° 67.8	° 71.6	° 0.680	° 0.774	77	68
King's House	400	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	580	...	...	69.3	77.7	61.1	77.2	0.539	0.934	75	93
Cinchona Plantation	4,907	...	...	60.6	63.8	54.9	59.0	0.431	0.500	81	84

STATION.	MEANS FOR THE MONTH.					EXTREMES FOR THE MONTH.					TOTAL RAINFALL
	Temperature.			Wind.		Temperature.					
	Max.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
Kingston	87.2	71.0	16.2	S.E.	100.7	89.2	15	67.5	2nd	21.7	inch. 1.22
King's House	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	80.0	69.3	10.7	...	...	84	29 & 30	63	6*	21	9.57
Cinchona Plantation	66.	59.6	6.4	Var.	66.8	72	17	54	14	18	1.76

* And 2 other days.

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 the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials.
		Max.	Min.				
1890.		°	°	°	in.		
January 4th	2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.
March 1st	3.15 p.m.	64	39	57	16.90	Fine, warm and calm.	B. S. G.
March 29th	3.45 p.m.	71	49.5	54	18.92	Fine, clear, light breeze.	B. S. G.
May 3rd	2.30 p.m.	67	38	56	19.40	Bright sun, clear	B. S. G.
May 31st	1.45 p.m.	66.5	45	60	4.10	Heavy rain, light wind.	B. S. G.

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 a few years past:—

	MAY.	
	1890.	Average.
Infantile diseases not otherwise specified	14	24
Lung diseases	17	14
Fever	11	4
Dysentery and Diarrhoea	17	5
Various	85	58
Total	144	105

RAINFALL FOR MAY, 1890.

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 October, 1883, as Nos. 31 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. 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.

		1890. | Average.	
		In.	In.
Morant Point L. H.	St. Thomas	1.51	9.26
Hordley	...	3.20	11.85
Boston	...	...	...
Port Antonio	...	...	...
Cinchona Plantation.	St. Andrew	1.76	9.72
New Haven Gap	...	1.50	...
Newton	...	2.89	...
Stony Hill Reformatory	...	1.73	9.39
Castleton Gardens	St. Mary	9.37	12.28
Dover	...	...	...
Quebec	...	...	...
Richmond	...	3.18	...
Port Maria	...	0.47	...
New Ramble	...	0.75	8.81
Gayle	...	...	8.78
Goshen	...	...	...
Rio Hoe	St. Ann	6.48	11.56
Unity Valley	...	5.09	11.15
Moneague	...	6.55	...
Albion	...	3.23	8.62
Averham Park	...	2.70	...
Bradfield	...	4.39	9.50
Drax Hall	...	0.73	7.74
Seville	...	0.00	6.80
Llandoverly	...	1.07	6.17
Richmond Estate	...	0.16	...
Southfield	...	...	...
Means		3.04	9.45

NORTHERN DIVISION.

MAY.

		1890. | Average.	
		In.	In.
Home Castle	St. Ann	1.75	...
Richmond Pen	...	3.70	...
Colchis Pen	Trelawny	0.28	...
Mahogany Hall	...	2.70	8.50
Braco	...	1.31	6.74
Arcadia	...	1.43	...
Harmony Hall	...	1.14	6.56
Lancaster	...	1.50	...
Vale Royal	...	3.66	8.09
Hyde	...	2.44	10.86
Georgia	...	...	7.99
Steelfield	...	3.60	7.55
Oxford	...	3.36	...
Cambridge	...	6.50	7.66
Dry Valley	...	2.25	...
Lottery	...	5.96	8.15
Falmouth	...	6.73	6.51
Holland Pen	...	4.60	...
Golden Grove	...	4.20	8.37
Pembroke	...	...	7.25
Green Park	...	...	8.30
Phoenix	...	6.18	...
Tilston	...	4.45	8.94
Orange Valley	...	5.50	6.70
Kent	...	4.36	6.21
Dundee	...	6.70	6.05
Weston Favel	...	6.46	...
Gale's Valley	...	6.15	8.16
Greenwood	St. James	4.63	...
Bellfield	...	...	...
Guilabro'	...	7.15	...
Spring Vale	...	...	12.02
Cinnamon Hall	...	...	...
Rose Hall	...	...	...
Running Gut	...	2.40	...

NORTHERN DIVISION, contd.

MAY.

		1890. | Average.	
		In.	In.
Leogan	St. James.	4.36	...
Ironshore	...	4.49	4.94
Providence	...	...	...
Montego Bay (Market)	...	...	...
Catherine Hall	...	10.30	7.53
Catherine Mount	...	9.93	8.43
Fairfield	...	9.34	...
Means		5.01	7.57

WEST CENTRAL DIVISION.

MAY.

		1890. | Average.	
		In.	In.
Linstead	St. Catherine	4.40	7.29
Cave Valley	St. Ann	4.94	11.93
Derry	...	...	...
Barton Isles	St. Elizabeth	...	...
Appleton	...	11.14	...
Windsor Pen	Trelawny	5.74	...
Maroon Town	St. James	5.92	...
Kepp	St. Elizabeth	12.22	14.89
Mount Edgecombe	Westmoreland	7.02	7.48
Wind-or Forest	...	...	...
Woodstock	...	...	...
Struie	...	...	...
Kew Park	...	8.17	...
Chester Castle	Hanover	12.81	...
Copse	...	11.75	11.91
Haughton Grove	...	...	...
Kempshot	St. James	...	...
Anchovy	...	9.06	10.84
Wiltshire	...	8.48	10.15
Eden	...	8.64	...
Round Hill	Hanover	5.14	6.87
Cacoon Castle	...	17.47	13.42
Golden Grove	...	11.50	15.98
Great Valley Pen	...	...	...
Flint River	...	6.44	...
Tryall	...	5.25	5.46
Sweet River	Westmoreland	...	...
Mackfield	...	...	...
Windsor (Sav.-la-Mar)	...	10.65	11.06
Kew	Hanover	...	...
Three Mile River	Westmoreland	10.10	...
George's Plain Estate	...	10.32	...
Fontabelle	...	...	...
Belle Isle	...	19.99	...
King's Valley	...	10.62	...
Haughton Court	Hanover	...	...
Orange Cove	...	6.39	8.49
Abingdon	...	14.87	...
Means		8.79	10.44

SOUTHERN DIVISION.

MAY.

		1890. | Average.	
		In.	In.
Albion Hospital	St. Thomas	...	...
The Abbey	...	3.30	...
Halberstadt	St. Andrew	...	...
Middleton	...	...	...
Woodford	...	...	...
Hope Plantation	St. Andrew	2.28	...
Hope Reservoirs	...	...	...
Cherry Garden	...	4.59	...
Constant Spring	...	2.44	...
Shortwood	...	...	...

SOUTHERN DIVISION, *contd.*

		MAY.	
		1890.	average.
		In.	In.
Camperdown	St. Andrew.	1.47	...
King's House	...	...	...
Monaltrie	...	1.37	4.92
Public Works Office,	Kingston	1.19	4.82
Franklyn Town	...	...	...
Elletson Road	...	...	...
Plumb Point L. H.	...	0.95	4.64
Spanish Town	St. Catherine	1.42	5.73
Windsor Park	...	...	...
Hog Hole Pen	...	2.60	6.89
Headworks, R. C. C.	...	1.70	8.81
Old Harbour	...	5.44	...
Farm Plantation	Manchester	5.20	10.02
Stone's Hope	...	7.05	...
Brokenhurst Pen	...	...	...
Pepper	St. Elizabeth	5.45	11.27
Long Hill	...	5.88	9.46
Potsdam	...	3.17	...
Gilnock Hall	...	...	...
Santa Cruz Poor-house	...	...	...
Black River	...	...	6.95
Bloomsbury	...	...	...
Means		2.86	7.51

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 0.84 and 0.95 inches respectively.

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

		MAY.	
		1890.	Average.
		In.	In.
North Eastern Division		3.04	9.45
Northern	"	5.01	9.57
West Central Division		8.79	10.44
Southern	"	2.86	7.51
The Island		4.92	8.74

The largest fall, namely, 19.99 inches, was recorded at Belle Isle Estate, in the Parish of St. Ann.

The rainfall for the month was greatly deficient in each Division of the Island; that of the North-eastern Division recording less than one-third; the Southern Division somewhat less than one-half of the average; the rainfall for the Northern, and West Central Divisions did not come up to the average.

A slight shock of earthquake was felt in this city at about 2 a.m., on the 22nd May.

Dr. Manners reports that a shock of earthquake was felt at The Abbey at 1.30 a.m. on the 22nd May.

A shock of earthquake was also felt at Shortwood College, St. Andrew, at 2.15 a.m. on the 22nd May. Kingston, 17th June, 1890.

J. F. BRENNAN.

NOTE.—The largest rainfall for the month of April occurred at Belle Isle Estate, viz., 9.65, instead of Pepper Pen, as stated in last Report.



JAMAICA.

JULY 29, 1890.

No. 119.

WEATHER REPORT

FOR THE MONTH OF

JUNE, 1890.

Published by Authority.

JAMAICA
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET KINGSTON.

1890.

METEOROLOGICAL RESULTS FOR JUNE, 1890.

STATION.	ELEVATION.	MEANS FOR THE MONTH.									
		Pressure.		Temperature.		Dew-point.		Vapour.		Humidity.	
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
Kingston	ft. 60	in. 30.054	in. 30.003	76.6	86.6	67.8	71.7	0.680	0.777	74	62
King's House	400	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	580	...	...	70.9	79.2	64.7	73.0	0.611	0.812	81	81
Cinchona Plantation	4,907	...	...	62.4	66.8	53.3	59.4	0.407	0.507	72	77

STATION.	MEANS FOR THE MONTH.					EXTREMES FOR THE MONTH.					TOTAL RAINFALL.
	Temperature.			Wind.		Temperature.					
	Max.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
Kingston	89.1	73.0	16.1	S.E.	111.0	91.6	13	70.3	18	21.3	0.44
King's House	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	82.4	67.3	15.1	...	...	87.0	16	64.0	27	23.0	4.68
Cinchona Plantation	70.7	55.7	15.0	Var.	40.6	73.0	15	52.5	22	20.5	0.56

* And 2 other days.

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 the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials.
		Max.	Min.				
1890.		°	°	°	in.		
January 4th	2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.
March 1st	3.15 p.m.	64	39	57	16.90	Fine, warm & calm.	B. S. G.
March 29th	3.45 p.m.	71	49.5	54	18.92	Fine, clear, light breeze.	B. S. G.
May 3rd	2.30 p.m.	67	38	56	19.40	Bright sun, clear	B. S. G.
May 31st	1.45 p.m.	66.5	45	60	4.10	Heavy rain, light wind.	B. S. G.
June 24th	3.00 p.m.	63.0	45.5	56	2.90	Cloudy on all sides but warm.	B. S. G.

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 a few years past:—

	JUNE.	
	1890.	Average.
Infantile diseases not otherwise specified	19	19
Lung diseases	14	14
Fever	13	7
Dysentery and Diarrhoea	12	7
Various	44	53
Total	102	100

RAINFALL FOR JUNE, 1890.

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 October, 1883, as Nos. 31 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. 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.	
		1890. | Average.	
		In.	In.
Morant Point L. H.	St. Thomas	1.77	6.24
Hordley	...	3.98	7.80
Boston	...	...	...
Port Antonio	...	...	...
Cinchona Plantation	St. Andrew	0.56	6.33
New Haven Gap	...	...	...
Newton	...	0.62	...
Stony Hill Reformatory	...	4.24	6.01
Castleton Gardens	St. Mary	4.68	8.24
Dover	...	...	...
Quebec	...	...	...
Richmond	...	3.81	...
Port Maria	...	3.01	...
New Ramble	...	1.69	4.23
Gayle	...	4.10	5.85
Goshen	...	...	...
Bio Hoe	St. Ann	3.93	9.97
Unity Valley	...	2.78	8.70
Moneague	...	3.97	...
Albion	...	3.59	5.53
Averham Park	...	0.78	...
Bradfield	...	2.79	...
Drax Hall	...	5.12	...
Seville	...	1.09	3.78
Llandoverly	...	0.45	3.24
Richmond Estate	...	1.31	3.25
Southfield	...	...	...
Means		2.63	6.09

NORTHERN DIVISION.		JUNE.	
		1890. | Average.	
		In.	In.
Home Castle	St. Ann	1.58	...
Richmond Pen	...	2.99	...
Colchis Pen	Trelawny	4.14	...
Mahogany Hall	...	3.71	2.77
Braco	...	0.00	...
Arcadia	...	0.60	...
Harmony Hall	...	0.00	1.68
Lancaster	...	0.00	...
Vale Royal	...	0.53	...
Hyde	...	3.87	...
Georgia	...	...	...
Steelfield	...	0.40	...
Oxford	...	0.00	...
Cambridge	...	2.50	...
Dry Valley	...	...	...
Lottery	...	1.32	...
Falmouth	...	3.00	2.01
Holland Pen	...	0.00	...
Golden Grove	...	1.10	5.79
Pembroke	...	...	3.37
Green Park	...	1.25	2.68
Phoenix	...	5.42	...
Tilston	...	2.71	4.34
Orange Valley	...	0.80	2.80
Kent	...	1.03	2.89
Dundee	...	3.90	3.26
Weston Favel	...	4.34	...
Gale's Valley	...	2.90	5.66
Greenwood	St. James	0.00	...
Bellfield	...	...	...
Guilisbro'	...	4.30	...
Spring Vale	...	8.98	9.21
Cinnamon Hall	...	0.20	...
Rose Hall	...	0.10	...
Running Gut	...	0.25	...

NORTHERN DIVISION, contd.		JUNE.	
		1890. | Average.	
		In.	In.
Leogan	St. James.	2.87	...
Ironshore	...	1.63	4.16
Providence	...	...	...
Montego Bay (Market)	...	8.82	...
Catherine Hall	...	1.70	6.05
Catherine Mount	...	1.97	6.55
Fairfield	...	1.76	...
Means		2.48	4.27

WEST CENTRAL DIVISION.		JUNE.	
		1890. | Average.	
		In.	In.
Linstead	St Catherine	4.60	6.80
Cave Valley	St. Ann	5.78	...
Derry	...	...	...
Barton Isles	St. Elizabeth	...	...
Appleton	...	6.54	7.20
Windsor Pen	Trelawny	7.04	...
Maroon Town	St. James	10.27	...
Kepp	St. Elizabeth	...	7.25
Mount Edgewcombe	Westmoreland	6.85	5.61
Windsor Forest	...	...	...
Woodstock	...	...	...
Struis	...	...	...
Kew Park	...	9.98	...
Chester Castle	Hanover	8.99	...
Copse	...	5.10	8.85
Haughton Grove	...	...	...
Kempshot	St. James	...	...
Anchovy	...	4.35	7.12
Wiltshire	...	4.14	8.21
Eden	...	5.28	...
Round Hill	Hanover	2.25	6.20
Cacoon Castle	...	10.43	10.51
Golden Grove	...	8.86	10.92
Great Valley Pen	...	...	...
Flint River	...	3.98	...
Fryall	...	3.97	7.98
Sweet River	Westmoreland	9.52	...
Mackfield	...	...	...
Windsor (Sav.-la-Mar)	...	6.49	6.68
Kew	Hanover	...	...
Three Mile River	Westmoreland	7.00	...
George's Plain Estate	...	8.35	...
Fontabelle	...	...	...
Belle Isle	...	12.65	...
King's Valley	...	13.34	...
Haughton Court	Hanover	...	...
Orange Cove	...	3.67	...
Abington	...	14.35	...
Means		5.78	7.85

SOUTHERN DIVISION.		JUNE.	
		1890. | Average.	
		In.	In.
Albion Hospital	St. Thomas	...	...
The Abbey	...	2.72	...
Halbertstadt	St. Andrew	...	...
Middleton	...	...	...
Woodford	...	1.80	...
Hope Plantation	St. Andrew	0.90	...
Hope Reservoirs	...	...	...
Cherry Garden	...	2.23	...
Constant Spring	...	1.70	...
Shortwood	...	...	...

SOUTHERN DIVISION, *contd.*

JUNE.

		1890. | Average.	
		In.	In.
Camperdown	St. Andrew.	1.05	...
King's House	...	...	3.12
Monatricie	...	0.96	3.53
Public Works Office,	Kingston	0.41	3.32
Franklyn Town	...	...	...
Elletson Road	...	...	...
Plumb Point L. H.	...	0.05	3.79
Spanish Town	St. Catherine	0.09	3.74
Windsor Park	...	0.00	...
Hog Hole Pen	...	0.08	3.90
Headworks, R. C. C.	...	0.80	5.50
Old Harbour	...	0.58	...
Farm Plantation	Manchester	0.70	6.70
Stone's Hope	...	1.00	...
Brokenhurst Pen	...	2.75	...
Pepper	St. Elizabeth	0.80	2.63
Long Hill	...	2.04	2.92
Potsdam	...	1.78	...
Gilnock Hall	...	...	...
Santa Cruz Poor-house	...	...	...
Black River	...	...	2.68
Bloomsbury	...	...	...
Means		0.66	4.00

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 0.03 and 0.05 inches respectively.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		JUNE.	
		1890. | Average.	
		In.	In.
North Eastern Division		2.63	6.09
Northern	"	2.48	4.27
West Central Division		5.78	7.83
Southern	"	0.66	4.00
The Island		2.89	5.53

The largest fall, namely, 14.35 inches was recorded at Abingdon, in the Parish of Hanover, and no rain fell at the following places: Braco, Harmony Hall, Lancaster, Oxford, Holland Pen and Greenwood, in the parish of Trelawny.

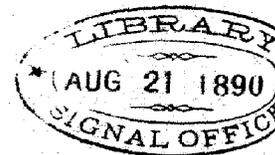
The Rainfall for the month was greatly deficient in each Division of the Island; the North-eastern Division recording less than one-half; the Northern, and West Central Divisions somewhat over one-half; and that of the Southern Division, being exceptionally small and much below the average, shewing a comparative rainfall of not more than one-sixth.

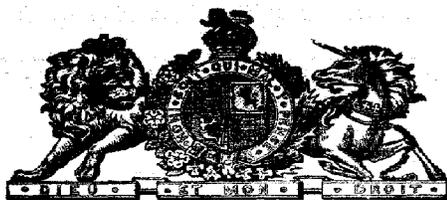
The Rainfall for the whole Island will thus be seen to have been most irregular, and recorded very little over one-half of the mean for the month.

In Kingston, as will be seen, the Rainfall was only 0.44 inches, and the fall for the corresponding month of last year being 12.13 inches. The mean humidity for the 7 a.m. and 3 p.m. readings shewed respectively, 74 and 62, as against 84 and 73 for the same month of the preceeding year, showing that the weather was unusually dry.

J. F. BRENNAN.

Kingston, 19th July, 1890.





JAMAICA.

SEPTEMBER 8, 1890.

No. 120.

WEATHER REPORT

FOR THE MONTH OF

JULY, 1890.

Published by Authority.

JAMAICA:
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET KINGSTON.

1890.

METEOROLOGICAL RESULTS FOR JULY, 1890.

STATION.	ELEVATION.	MEANS FOR THE MONTH.									
		Pressure.		Temperature.		Dew-point.		Vapour.		Humidity.	
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
Kingston	ft. 60	in. 30.045	in. 29.997	° 76.8	° 86.5	° 68.0	° 72.7	° 0.684	° 0.804	74	64
King's House	400	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	580	...	...	83.3	83.7	67.0	70.6	0.661	0.749	96	65
Cinchona Plantation	4,907	...	...	63.3	64.8	54.2	66.2	0.421	0.453	73	74

STATION.	MEANS FOR THE MONTH.					EXTREMES FOR THE MONTH.					TOTAL RAINFALL.
	Temperature.			Wind.		Temperature.					
	Max.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
Kingston	89.5	72.3	17.2	S.E.	97.5	94.4	21	68.6	1	25.8	inch. 0.34
King's House	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	84.1	68.5	15.6	...	...	89.0	14	63.0	4	26.0	8.85
Cinchona Plantation	74.7	89.5	15.2	...	...	75.5	28	54.5	8	21.0	1.32

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 the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials.
		Max.	Min.				
1890.		°	°	°	in.		
January 4th	2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.
March 1st	3.15 p.m.	64	39	57	16.90	Fine, warm and calm.	B. S. G.
March 29th	3.45 p.m.	71	49.5	54	18.92	Fine, clear, light breeze.	B. S. G.
May 3rd	2.30 p.m.	67	38	56	19.40	Bright sun, clear	B. S. G.
May 31st	1.45 p.m.	66.5	45	60	4.10	Heavy rain, light wind.	B. S. G.
June 24th	3.00 p.m.	63.0	45.5	56	2.90	Cloudy on all sides but warm.	B. S. G.
July 17th	12 Noon	62	43	55	5.00	Cloudy and little rain.	W. F.
August 2nd	2.45 p.m.	65	45	54	1.68	Fine, light breeze.	B. S. G.

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 a few years past:—

	JULY.	
	1890.	Average.
Infantile diseases not otherwise specified	21	16
Lung diseases	14	18
Fever	6	6
Dysentery and Diarrhoea	10	3
Various	49	54
Total	100	97

RAINFALL FOR JULY, 1890.

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 October, 1883, as Nos. 31 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. 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.	
		1890. | Average.	
		In.	In.
Merant Point L. H.	St. Thomas	4.07	3.48
Herdley	...	4.73	6.29
Boston	...	...	...
Port Antonio	...	...	...
Cinchona Plantation	St. Andrew	1.32	4.78
New Haven Gap	...	0.22	...
Newton	...	0.62	...
Stony Hill Reformatory	...	2.65	4.80
Castleton Gardens	St. Mary	8.85	7.32
Dover	...	...	...
Quebec	...	0.47	...
Richmond	...	2.82	...
Port Maria	...	1.69	...
New Ramble	...	...	...
Gayle	...	...	...
Goshen	...	...	...
Bio Hoe	St. Ann	3.16	5.05
Unity Valley	...	2.57	6.91
Moneague	...	3.20	...
Albion	...	1.99	4.13
Averham Park	...	1.64	...
Bradfield	...	0.78	4.28
Drax Hall	...	2.41	2.91
Seville	...	0.68	2.02
Llandoverly	...	0.55	1.00
Richmond Estate	...	0.80	...
Southfield	...	...	...
Means		2.81	4.71

NORTHERN DIVISION.		JULY.	
		1890. | Average.	
		In.	In.
Home Castle	St. Ann	1.56	...
Richmond Pen	...	3.70	...
Colchis Pen	Trelawny	...	...
Mahogany Hall	...	4.48	5.04
Braco	...	1.16	2.41
Arcadia	...	2.68	...
Harmony Hall	...	...	...
Lancaster	...	1.83	2.66
Vale Royal	...	2.94	3.48
Hyde	...	6.15	6.21
Georgia	...	...	2.92
Steelfield	...	2.54	3.07
Oxford	...	1.63	...
Cambridge	...	1.69	3.75
Dry Valley	...	1.45	...
Lottery	...	1.03	2.40
Falmouth	...	1.17	1.49
Holland Pen	...	2.21	...
Golden Grove	...	6.00	5.70
Pembroke	...	...	3.06
Green Park	...	...	...
Phoenix	...	5.19	...
Thiston	...	5.15	4.44
Orange Valley	...	2.35	2.84
Kent	...	1.45	1.37
Dundee	...	2.94	3.91
Weston Favel	...	4.13	...
Gale's Valley	...	5.55	5.30
Greenwood	St. James	1.78	...
Bellfield	...	2.80	...
Guiaibro'	...	3.55	...
Spring Vale	...	6.33	...
Cinnamon Hall	...	...	...
Rose Hall	...	...	...
Running Gut	...	1.00	...

NORTHERN DIVISION, contd.		JULY.	
		1890. | Average.	
		In.	In.
Leogan	St. James.	2.15	...
Ironshore	...	1.08	2.06
Providence	...	...	...
Montego Bay (Market)	...	2.15	...
Catherine Hall	...	3.87	3.33
Catherine Mount	...	3.77	4.89
Fairfield	...	3.74	...
Means		3.07	3.57

WEST CENTRAL DIVISION.		JULY.	
		1890. | Average.	
		In.	In.
Linstead	St. Catherine	3.05	5.05
Cave Valley	St. Ann	2.79	5.15
Derry	...	...	...
Barton Isles	St. Elizabeth	...	...
Appleton	...	9.05	7.54
Windsor Pen	Trelawny	7.07	...
Maroon Town	St. James	6.09	...
Kepp	St. Elizabeth	17.23	8.81
Mount Edgecombe	Westmoreland	14.50	7.11
Windsor Forest	...	...	...
Woodstock	...	16.26	...
Struie	...	11.15	...
Kew Park	...	11.03	...
Chester Castle	Hanover	9.40	...
Copse	...	7.98	8.66
Haughton Grove	...	...	...
Kempshot	St. James	3.36	...
Anchovy	...	4.33	5.25
Wiltshire	...	6.33	6.27
Eden	...	5.25	...
Rowad Hill	Hanover	4.50	4.70
Cacoon Castle	...	6.91	7.75
Golden Grove	...	10.50	7.92
Great Valley Pen	...	...	...
Flint River	...	3.20	...
Tryall	...	3.03	5.56
Sweet River	Westmoreland	...	...
Mackfield	...	...	...
Windsor (Sav-la-Mar)	...	8.61	7.59
Kew	Hanover	4.83	...
Three Mile River	Westmoreland	11.20	...
George's Plain Estate	...	11.15	...
Fontabelle	...	...	...
Belle Isle	...	16.66	...
King's Valley	...	16.83	...
Haughton Court	Hanover	8.94	...
Orange Cove	...	...	6.62
Abingdon	...	12.15	...
Means		7.61	6.68

SOUTHERN DIVISION.		JULY.	
		1890. | Average.	
		In.	In.
Albion Hospital	St. Thomas	...	...
The Abbey	...	4.00	...
Halbartstadt	St. Andrew	...	...
Middleton	...	...	...
Woodford	...	...	...
Hope Plantation	St. Andrew	0.89	...
Hope Reservoirs	...	...	...
Cherry Garden	...	2.11	...
Constant Spring	...	...	...
Shortwood	...	...	...

SOUTHERN DIVISION, *contd.*

		JULY.	
		1890.	Average.
		In.	In.
Camperdown	St. Andrew.	1.18	...
King's House	...	...	...
Monaltrie	...	1.47	2.73
Public Works Office,	Kingston	0.23	2.03
Franklyn Town	...	...	...
Elletson Road	...	...	...
Plumb Point L. H.	...	1.19	2.17
Spanish Town	St. Catherine	2.69	1.84
Windsor Park	...	2.49	...
Hog Hole Pen	...	1.64	2.41
Headworks, R. C. C.	...	2.95	3.94
Old Harbour	...	1.37	...
Farm Plantation	Manchester	3.89	3.67
Stone's Hope	...	3.91	...
Brokenhurst Pen	...	5.96	...
Pepper	St. Elizabeth	4.48	2.71
Long Hill	...	3.66	4.34
Potsdam	...	3.58	...
Gilnock Hall	...	...	...
Santa Cruz Poor-house	...	...	...
Black River	...	...	5.16
Bloomsbury	...	...	...
Means		2.46	2.87

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 0.92 and 1.19 inches respectively.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		JULY.	
		1890.	Average.
		In.	In.
North Eastern Division		2.81	4.41
Northern	"	3.07	3.57
West Central Division		7.61	6.68
Southern	"	2.46	2.87
The Island		3.99	4.38

The largest fall, viz., 17.23 inches was recorded at Kepp, in the Parish of St. Elizabeth, and the smallest 0.22 inches at New Haven Gap, in the Parish of St. Andrew.

The Rainfall for the month shewed a fairly near approach to the average in each Division of the Island.

The Rainfall in Kingston and Liguanea has, however, been deficient.

J. F. BRENNAN.

Kingston, 2nd Sept. 1890.

THE JAMAICA WEATHER SERVICE.

Notice for the Hurricane Season of 1890.

(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 ascertained by an exchange of telegrams between the observers at Kingston and Montego Bay.

(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) With the aid of the harbour-master of Kingston special arrangements have been made as last year for warning the shipping in that 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. Such notices will be signed by Mr. J. F. Brennan who has charge of the meteorological instruments in Kingston.

(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.

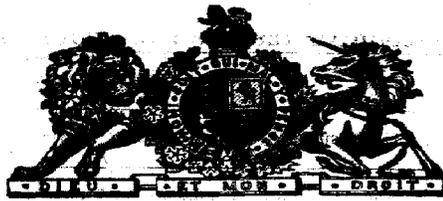
(11) Since the establishment of the service in 1880, twenty-six cyclonic disturbances have passed within barometric range of Jamaica, and information respecting them has been telegraphed round the Island without causing unnecessary alarm in a single case, for on three occasions only, namely, before the hurricanes of August 18th, 1880, and August 20th, 1886, and before the conflicting cyclones of Sept. 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.

Kingston, July 26th, 1890.



JAMAICA.

SEPTEMBER 24, 1890.

No. 120.
121

WEATHER REPORT

FOR THE MONTH OF

AUGUST, 1890.

Published by Authority.

JAMAICA:
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET KINGSTON.

1890.

METEOROLOGICAL RESULTS FOR AUGUST, 1890.

STATION.	ELEVATION.	MEANS FOR THE MONTH.											
		Pressure.		Temperature.		Dew-point.		Vapour.		Humidity.			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
Kingston	60	in.	in.	°	°	°	°	°	°	°	°	78	62
King's House	400	...	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	580	...	...	70.4	80.7	64.9	69.3	0.615	0.716	...	...	71	86
Cinchona Plantation	4,907	...	...	63.9	67.8	54.8	60.5	0.430	0.528	...	...	75	78

STATION.	MEANS FOR THE MONTH.					EXTREMES FOR THE MONTH.					TOTAL RAINFALL.
	Temperature.			Wind.		Temperature.					
	Max.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
Kingston	89.1	72.6	16.5	S.E.	75.3	92.3	15	69.3	4	22.0	inch.
King's House	...	...	...	...	...	...	...	...	...	...	5.23
Castleton Gardens	80.6	70.8	9.7	...	...	85	31*	67	8†	18.0	11.28
Cinchona Plantation	73.0	59.4	13.6	...	51.6	76.5	13	53.5	23	23.0	6.31

* and 2 other days.

† and 2 other days.

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 the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initials.
		Max.	Min.				
1890.		°	°	°	in.		
January 4th	2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.
March 1st	3.15 p.m.	64	39	57	16.90	Fine, warm and calm.	B. S. G.
March 29th	3.45 p.m.	71	49.5	54	18.92	Fine, clear, light breeze.	B. S. G.
May 3rd	2.30 p.m.	67	38	56	19.40	Bright sun, clear	B. S. G.
May 31st	1.45 p.m.	66.5	45	60	4.10	Heavy rain, light wind.	B. S. G.
June 24th	3.00 p.m.	63.0	45.5	56	2.90	Cloudy on all sides but warm.	B. S. G.
July 17th	12 Noon	62	43	55	5.00	Cloudy and little rain.	W. F.
August 2nd	2.45 p.m.	65	45	54	1.68	Fine, light breeze.	B. S. G.
August 30th	3.20 p.m.	68	45.5	62	10.00	Fine, bright and warm.	B. S. G.

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 a few years past:—

	AUGUST.	
	1890.	Average.
Infantile diseases not otherwise specified	13	12
Lung diseases	21	16
Fever	9	4
Dysentery and Diarrhoea	8	3
Various	43	43
Total	94	78

RAINFALL FOR AUGUST, 1890.

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 October, 1883, as Nos. 31 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. 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.

		1890. | Average.	
		In.	In.
Morant Point L. H.	St. Thomas	7.25	5.46
Hordley	...	9.32	10.78
Boston	...	5.37	...
Port Antonio	...	...	...
Cinchona Plantation	St. Andrew	6.31	8.18
New Haven Gap	...	6.52	...
Newton	...	...	...
Stony Hill Reformatory	...	7.46	12.66
Castleton Gardens	St. Mary	11.28	10.48
Dover	...	...	...
Quebec	...	...	...
Richmond	...	5.09	...
Port Maria	...	2.93	...
New Ramble	...	...	5.89
Gayle	...	7.10	6.26
Goshen	...	...	...
Rio Hoe	St. Ann	3.99	8.56
Unity Valley	...	6.31	5.33
Moneague	...	6.22	...
Albion	...	8.59	5.85
Averham Park	...	5.40	...
Bradfield	...	5.37	5.05
Drax Hall	...	3.34	3.81
Seville	...	...	3.63
Llandovery	...	...	2.29
Richmond Estate	...	4.15	...
Southfield	...	...	...
Means		6.94	7.49

NORTHERN DIVISION. AUGUST.

		1890. | Average.	
		In.	In.
Home Castle	St. Ann	2.22	...
Richmond Pen	...	2.98	...
Colchis Pen	Trelawny	3.40	...
Mahogany Hall	...	6.29	6.34
Braco	...	2.51	3.88
Arcadia	...	1.96	...
Harmony Hall	...	1.94	2.82
Lancaster	...	1.85	3.87
Vale Royal	...	2.74	5.44
Hyde	...	6.80	7.12
Georgia	...	...	4.64
Steelfield	...	1.74	4.66
Oxford	...	1.25	...
Cambridge	...	1.47	4.17
Dry Valley	...	1.50	...
Lottery	...	1.36	3.96
Falmouth	...	1.50	3.00
Holland Pen	...	0.55	...
Golden Grove	...	2.38	5.50
Pembroke	...	...	5.26
Green Park	...	...	3.79
Phoenix	...	4.71	...
Tilston	...	3.25	5.94
Orange Valley	...	2.38	3.57
Kent	...	2.17	2.90
Dundee	...	2.34	5.36
Weston Favel	...	7.18	...
Gale's Valley	...	5.55	6.88
Greenwood	St. James	2.27	...
Bellfield	...	...	...
Gullsbro'	...	5.15	...
Spring Vale	...	...	12.84
Cinnamon Hall	...	1.96	...
Rose Hall	...	1.58	...
Running Gut	...	1.87	...

NORTHERN DIVISION, contd.

		1890. | Average.	
		In.	In.
Leogan	St. James.	2.70	...
Ironshore	...	2.54	4.41
Providence	...	...	...
Montego Bay (Market)	...	3.76	...
Catherine Hall	...	4.22	6.40
Catherine Mount	...	3.96	8.31
Fairfield	...	4.33	...
Means		3.00	4.98

WEST CENTRAL DIVISION.

		1890. | Average.	
		In.	In.
Linstead	St. Catherine	7.58	7.41
Cave Valley	St. Ann	5.11	8.68
Derry	...	...	...
Barton Isles	St. Elizabeth	...	...
Appleton	...	11.46	12.48
Windsor Pen	Trelawny	7.41	...
Maroon Town	St. James	9.26	...
Kepp	St. Elizabeth	6.19	11.32
Mount Edgecombe	Westmoreland	5.67	5.96
Windsor Forest	...	...	...
Woodstock	...	12.30	...
Struie	...	9.50	...
Kew Park	...	10.51	...
Chester Castle	Hanover	9.09	...
Copse	...	11.82	12.70
Haughton Grove	...	...	...
Kempshot	St. James	8.18	...
Anchovy	...	9.57	8.83
Wiltshire	...	9.49	8.57
Eden	...	9.09	...
Round Hill	Hanover	10.35	5.45
Cacoon Castle	...	...	10.86
Golden Grove	...	11.65	11.04
Great Valley Pen	...	...	...
Flint River	...	3.68	...
Tryall	...	7.17	6.06
Sweet River	Westmoreland	...	...
Mackfield	...	...	...
Windsor (Sav.-la-Mar)	...	4.55	7.17
Kew	Hanover	...	...
Three Mile River	Westmoreland	8.00	...
George's Plain Estate	...	7.41	...
Fontabelle	...	...	...
Belle Isle	...	10.95	...
King's Valley	...	19.30	...
Haughton Court	Hanover	...	...
Orange Cove	...	9.02	7.45
Abingdon	...	14.05	...
Means		8.43	8.70

SOUTHERN DIVISION.

		1890. | Average.	
		In.	In.
Albion Hospital	St. Thomas	...	...
The Abbey	...	10.00	...
Halberstadt	St. Andrew	...	...
Middleton	...	...	...
Woodford	...	...	...
Hope Plantation	St. Andrew	5.80	...
Hope Reservoirs	...	...	...
Cherry Garden	...	4.71	...
Constant Spring	...	...	...
Shortwood	...	...	...

SOUTHERN DIVISION, *contd.*

AUGUST.
1890. | Average.

		In.	In.
Camperdown	St. Andrew.	5.28	...
King's House	...	...	7.75
Monaltrie	...	5.68	6.36
Public Works Office,	Kingston	...	6.01
Franklyn Town	...	...	...
Elletson Road	...	...	...
Plumb Point L. H.	...	5.57	5.32
Spanish Town	St. Catherine	5.72	7.28
Windsor Park	...	...	...
Hog Hole Pen	...	6.33	7.24
Headworks, R. O. C.	...	10.22	8.14
Old Harbour	...	8.84	...
Farm Plantation	Manchester	7.58	10.15
Stone's Hope	...	8.98	...
Brokenhurst Pen	...	13.55	...
Pepper	St. Elizabeth	8.87	7.61
Long Hill	...	8.19	5.69
Potadam	...	5.68	...
Gilnock Hall	...	...	...
Santa Cruz Poor-house	...	...	...
Black River	...	...	7.21
Bloomsbury	...	...	...
Means		7.21	7.22

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 5.07 and 5.57 inches respectively.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		AUGUST.	
		1890. | Average	
		In.	In.
North Eastern Division		6.94	7.49
Northern	"	3.00	4.98
West Central Division		8.43	8.70
Southern	"	7.21	7.22
The Island		6.39	7.09

The largest fall, viz., 19.30 inches was recorded at King's Valley in the Parish of Westmorland, and the smallest, 0.55 inches at Holland Pen, in the Parish of Trelawny.

The Rainfall for the month shewed a fairly near approach to the average in each Division of the Island.

The weather remained undisturbed.

J. F. BRENNAN.

Kingston, 19th Sept. 1890.