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WEATHER REPORT.

FOR THE MONTH OF

JANUARY, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature				
		7 a.m.	3 p.m.	7 a.m	3p.m	Max	Min.	Range	Max	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	30.024	29.992	7[illegible].5	79.4	81.0	73.4	7.6	84.0	4	65.5	5	18.5
Kingston ..	24	29.997	29.944	68.2	85.1	87.8	67.5	19.5	92.1	30	63.5	11	28.6
Negril Pt. Light House	33	30.005	29.956	70.1	81.8	84.7	67.7	17.0	87.5	7	62.8	8	24.7
Castleton Gardens ..	496	..	..	65.3	75.4	80.8	64.4	16.4	86	9	57.	27*	29.
Hope Gardens† ..	668	30.046	29.910	72.3	85.2	85.7	63.1	22.6	93	22	61.	5*	32.[illegible]
Stony Hill Indus. School	1,400		...	67.3	76.5	79.4	63.7	15.7	84	1	61.	29*	23.
Kempshot ..	1,773	30.000	29.950	66.0	72.1	75.1	64.8	10.3	78.9	4	62.1	25	16.8
Hill Gardens ..	4,900	25.261	25.211	60.0	61.8	64.9	52.1	12.8	67	5*	47.	6*	20.

Stations.	Elevation.	Dew Point and Humidity. 7 a.m.		Dew Point and Humidity. 3 p.m.		Rainfall.	Wind per diem.	Wind: direction from and miles per hour. 7 a.m.		Wind: direction from and miles per hour. 3. p.m.		Amount of Cloud. Lower, Middle and Upper 7 a.m.			Amount of Cloud. Lower, Middle and Upper 3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M	U.	L.	M.	U.
Morant Pt. Light House	8	68.3	76	68.1	68	2.18	..	NNE	19	NNE	20	2.0	2.0	1.1	1.0	2.5	1.7
Kingston	24	61.9	81	65.7	53	0.33	147	N	3.9	SE	11.8	2.3	0.6	1.6	2.9	2.5	1.8
Negril Point Light House‡	33	64.7	82	68.2	63	2.01	238	NE	9.1	NNE	12.0	2.6	0.9	1.7	1.6	5.6	0.6
Castleton Gdns	496	63.5	97	71.3	87	20.03	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	56.7	61	69.7	61	1.49	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1400	63.4	87	69.2	78	4.67	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1773	63.1	87	64.2	74	1.12	178	E	5.3	NE	4.7	3.7	1.6	0.5	1.7	1.0	0.3
Hill Gardens	4900	56.8	90	59.0	90	12.56	..	..	..	..	..	..	..	..	.	..	..

*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. E.NE. 8.5

National Oceanic and Atmospheric Administration

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Beltsville, MD 20704-1387
March 28, 2002

THE RAINFALL

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril, the North-Eastern and West-Central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition.

NORTH-EASTERN DIVISION.	January, 1922. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal					
Bath	4.03	0.82	24	20	6.13
Priestman's River	2.84	1.35	25	7	
Moore Town	12.91	3.50	20	22	17.48
Port Antonio	5.25	0.86	20	16	8.78
Fellowship	7.51	1.05	22	25	13.08
Johnson River Bridge	1.52	0.54	24	10	3.31
Cedar Valley, St. Thos.	0.83	0.63	19	2	4.26
Hill Gardens	12.56	7.50	19	11	6.98
Spring Garden	8.10	3.98	21	17	7.95
Buff Bay	8.83	3.66	20	13	9.22
Greenvale	24.19	6.34	20	16	18.99
Belvedere, Portland	16.56	9.15	20	13	
Mt. Holstein	38.72	15.17	19	15	14.07
Rose Hill	..	..	..	..	
Hardware Gap	14.74	..	..	..	5.78
Stony Hill Ind. Sch	4.67	1.88	19	7	3.05
Castleton Gardens	20.03	6.30	19	16	9.08
Lawrence Tavern	11.09	9.00	19	6	2.26
Zion Hill	12.43	9.00	19	10	
Agualta Vale	11.39	6.45	20	14	7.30
Water Valley	9.92	5.50	20	10	8.11
Platfield	6.36	1.48	18	16	6.67
Richmond, St. Mary	10.62	4.61	20	14	6.88
Hampstead St. Mary	13.38	7.20	20	19	10.56
Windsor Castle	9.20	3.30	20	21	
Guy's Hill	6.53	1.20	20	15	
Lucky Hill	18.91	4.08	20	16	7.76
Rio Hoe	9.38	1.58	20	11	5.75
Unity Valley	4.28	1.87	19	17	4.95
Moneague	5.84	1.32	19	20	4.62
Claremont	..				
Albion, St. Ann	9.10	1.84	19	18	5.27
Averham Park	..				

NORTHERN DIVISION.	January, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria	4.21	1.15	14	10	6.16
Ocho Rios	5.37	1.57	14	6	4.69
Eggie, Ocho Rios	6.30	1.70	19	12	5.66
Rockfield	7.98	1.68	31	9	8.60
Drax Hall	4.68	2.09	20	9	6.27
Liberty Hill	4.86	1.00	14	11	7.27
St. Ann's Bay	9.08	4.32	20	5	4.97
Seville	5.49	2.40	20	6	5.86
Richmond Estate					
Llandovery					
Runaway Bay	3.02	0.88	2	7	4.28
Brown's Town	10.00	2.75	19	16	5.82
Alexandria	3.05	1.05	19	9	3.15
Watt Town, St. Ann	3.17	1.20	19	7	
Home Castle	6.95	1.65	14	14	5.70
Richmond Pen	3.65	1.40	31	2	3.36
Bryan Castle	..				
Brees	..				
Arcadia	3.25	0.60	14	8	5.02
Vale Royal	3.11	1.17	14	5	5.30
Harmony Hall	2.12	0.73	2	8	4.20
Duncans	2.13	0.80	2	4	
Colehis Pen	2.45	1.00	15	6	3.10
Carey Park	2.04	0.65	2	8	
Clark's Town	3.33	0.80	19	9	
Springfield	1.47	0.48	2	6	
Falmouth	1.20	0.28	2	10	3.67
Good Hope	1.75	0.25	14	10	
Shawfield	2.61	0.80	16	6	
Hampden	..				
Guilsbro	..				
Success	..				
Cinnamon Hill	..				
Rose Hall	..				
Tryall	..				
Running Gut	..				
Spring Estate					
Montego Bay	2.02	0.44	16	8	2.93
Friendship	2.66	0.43	20	6	
Retirement	2.08	0.50	19	10	4.32
King Gate	1.19	0.50	16	7	3.12
Blue Hole	0.87	0.44	16	5	4.49
Kew	0.28	0.11	17	6	2.10
Haughton Court	0.45	0.30	25	3	2.52
Lucea	0.86	0.58	25	4	3.19
Cousins Cove	..				
Green Island	0.00			0	2.78
CENTRAL SUB-DIVISION					
Rio Magno	5.46	1.16	19	15	
Headworks, Rio Cobre	2.12	1.00	24	3	1.78
Linstead	5.98	2.17	19	12	2.14
Berkshire Hall	5.26	1.97	19	11	2.99
Point Hill	4.35	2.50	20	3	3.39
Bellas Gate	2.45	1.50	17	4	
Croft Hill	2.47	1.05	9	8	1.94
Chapelton	1.23	0.32	24	6	2.14
Frankfield	1.85	0.85	1	5	
Trout Hall	1.09	0.52	1	5	2.01

WEST-CENTRAL DIVISION.	January, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon					
Spaldings ..	1.69	0.34	29	13	..
Brokenhurst ..	1.24	0.55	25	6	3.24
Christiana ..	2.45	1.10	25	10	2.36
Chudleigh ..	1.88	0.40	31	14	2.36
Shooter's Hill ..	0.92	0.50	25	6	2.14
Kendal, Manchester	0.69	0.41	21	4	2.36
Clifton Hill ..	0.70	0.30	21	3	..
Marshalls Pen ..	1.36	0.74	25	3	3.05
Mandeville ..	1.19	0.29	25	9	3.28
Carlton, Mandeville	1.21	0.34	21	7	3.28
Ulster Spring ..	2.76	0.73	19	10	3.38
Albert Town ..	2.75	0.60	31	7	3.09
Lowe River ..	2.91	1.45	21	5	3.31
Troy ..	0.30	3.30	31	1	2.20
Warsop ..	2.48	0.70	1	7	..
Balaclava Police Station ..	3.60	3.25	25	4	1.94
Wallingford ..	2.96	2.06	25	8	1.94
Magotty ..	3.16	2.45	25	3	2.93
Deeside ..	1.51	0.65	19	4	..
Springfield, St. Elizabeth ..	3.02	0.88	21	6	2.60
Kempshot ..	1.12	0.38	19	7	3.78
Cambridge, St. James ..	0.67	0.25	24	8	2.66
Kew Park ..	1.39	1.04	25	6	2.17
New Market, Police Station ..	4.43	1.74	25	8	2.42
The Bog, New Market ..	3.19	0.19	26	8	3.27
Bethel Town ..	3.13	0.91	25	7	..
Montpelier ..	..	..	..	..	..
Ramble ..	0.12	0.08	24	2	2.87
Burnt Ground ..	0.35	0.20	16	3	2.91
Knockalva ..	0.95	0.65	24	4	3.25
Petersville ..	6.17	2.20	25	10	2.53
Darliston ..	2.45	1.46	24	8	2.99
Bluefields ..	2.35	0.80	20	4	2.87
Whithorn ..	2.68	1.33	24	5	2.34
Water Works Pen	2.12	0.85	24	6	3.27
Askenish ..	1.82	1.50	15	5	..
Grange Hill ..	2.54	1.66	16	8	2.34
King's Vale Police Station ..	0.46	0.30	17	2	3.18

SOUTHERN DIVISION.	January, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	2.18	1.42	29	11	4.38
Pleasant Hill ..	2.82	1.00	19	7	4.68
East Prospect ..	2.07	0.52	24	9	3.93
Morant Bay ..	1.35	0.30	24	10	2.93
Easington ..	0.37	0.26	24	3	1.76
Bull Bay ..	0.00	..	..	..	0.98
Mavis Bank ..	5.32	3.00	19	9	..
Bellevue ..	..	..	..	..	..
Gordon Town ..	3.82	3.10	19	3	3.70
Irish Town ..	4.90	..	..	..	2.34
Hope Gardens ..	1.49	0.74	19	6	2.84
King's House Gar.	0.78	..	..	..	1.39
Melrose ..	..	..	..	..	..
Half-way Tree ..	0.68	0.48	24	3	1.07
Lunatic Asylum ..	0.01	0.01	24	1	0.78
N.E. Kingston ..	0.27	0.18	1	3	1.06
Kingston P.W.O. ..	0.33	0.32	1	2	0.96
Upper Kingston ..	0.26	0.11	1	4	..
Plumb Point L.H.	0.04	0.04	1	1	0.84
Clifton Pen ..	0.12	0.12	1	1	0.89
Hematine ..	0.47	0.31	2	5	..
Quarantine Station	0.00	..	..	..	1.02
Spanish Town ..	0.59	0.27	2	5	1.50
Hog Hole, St. Catherine ..	0.27	0.27	2	1	1.72
Hartlands ..	0.20	0.20	23	1	1.68
Old Harbour ..	0.72	0.50	2	3	2.22
May Pen ..	1.04	0.63	1	5	1.47
Dry River, Vere ..	0.07	0.07	21	1	2.11
Toll Gate ..	0.40	0.30	1	4	2.05
New Yarmouth ..	0.75	0.61	3	2	1.53
Cottage ..	0.73	0.30	1	4	..
Milk River ..	0.82	0.62	2	2	2.04
Retrieve ..	0.32	0.15	14	3	..
Hog Hole, S. Man.	..	..	..	..	..
Stone's Hope ..	1.10	0.76	2	3	2.63
Newport, Manchester ..	1.87	0.54	25	8	2.75
Great Valley, Man.	0.75	0.60	2	4	2.30
Alligator Pond ..	1.00	1.00	2	1	1.64
Fairfield ..	1.91	1.12	25	9	2.64
Southfield, St. Elizabeth ..	0.51	0.27	25	3	2.56
Lititz ..	0.86	0.32	4	3	1.76
Torrington ..	1.91	1.35	25	3	2.42
Bethlehem St. Eliz	3.67	2.00	25	8	2.57
Santa Cruz ..	8.10	3.75	25	8	2.52
Pedro Plains Police Stn. ..	2.09	0.82	25	5	1.96
Mountainside ..	..	..	..	..	..
Black River ..	2.06	1.14	25	9	1.67
Font Hill ..	3.70	1.40	25	7	1.74
Mount Edgecombe	3.75	0.82	26	10	2.05
Sweet River ..	1.58	0.96	21	4	1.90
Windsor Sav-la-Mar	1.36	0.31	24	8	1.86
Orchard ..	1.45	0.39	24	7	2.73
Sav-la-Mar ..	0.67	0.18	24	8	1.65
Little London ..	2.54	1.09	2	7	..
Retreat ..	2.02	0.60	16	4	1.66
Negril Point L.H.	2.01	0.97	17	7	1.41

NOTES

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

Divisional and Island Rainfall	January. 1923	January. Average
	In	In
North-Eastern Division ..	10.97	7.74
Northern " ..	3.55	3.83
West-Central " ..	2.04	2.87
Southern " ..	1.49	1.94
The Island ..	4.51	4.10

Shocks of Earthquake in January, 1923.

Date	Standard Time (Approx)	Intensity.	Notes: where felt, etc
11	2 10p.m.	½	Rio Hoe.

The mean rainfall for the month of January, for the Island, was ten percent above the Average. The North-eastern Division registered 42 per cent above. All the other Divisions were however, deficient. The Southern Division had only 1.49 inch or about three-quarters of its Average. But the West-central, although having had 2.04 inches, was 30 per cent below the Average.

Nearly all the rainfall was registered during the latter half of the month. Then, during the "Northers" this month, a preponderance of rain fell about the 19th, and 20th., especially marked in the North-eastern and Northern Divisions.

The greatest fall for the month, 38.72 inches, was reported as occurring at Mt. Holstein in the N.E. Division.

No rain was registered at Green Island, Bull Bay and the Quarantine Station.

In 24 hours 15.17 inches fell at Mt. Holstein on the 19th.

The Meteorological Results for Negril Point Light House for the Year 1922. are given in the Tables, appended.

J. F. Brennan,
Govt. Meteorologist.

Kingston, February 23rd. 1923.

Negril Point Light House Mean Meteorological Results for the Year 1922.

Elevation, 33 feet.

Month.	Barometer Pressure.		Temperature.						Extremes for the Month.			Dewpoint and humidity.				Rain-fall.	Wind Miles per diem
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range	7 a.m.		3 p.m.			
	ins.	ins.	°	°	°	°	°	°	°	°	°	°	%	°	%	Ins.	
January ..	29.973	29.916	75.8	70.5	82.3	84.7	67.5	17.2	87.8	64.0	23.8	65.5	84	69.4	65	5.04	228
February ..	29.999	.950	75.5	70.6	81.1	84.8	67.6	17.2	86.7	63.0	23.7	64.5	81	68.8	67	5.30	226
March ..	30.003	.956	75.6	71.3	81.1	84.3	67.5	16.8	87.4	64.0	23.4	65.8	83	70.0	69	8.41	201
April ..	30.001	.954	77.5	74.5	82.3	85.8	69.3	16.5	89.5	65.8	23.7	68.1	80	70.4	67	4.82	181
May ..	29.924	.886	78.4	77.4	82.0	84.8	71.4	13.4	88.7	67.9	20.8	70.1	78	72.4	73	5.60	244
June ..	29.957	.930	79.3	77.9	83.3	86.7	71.4	15.3	90.1	68.7	21.4	70.6	78	73.1	72	5.62	166
July ..	30.008	.976	80.7	78.3	85.6	88.5	72.3	16.2	90.5	69.8	20.7	70.6	77	73.6	68	6.37	183
August ..	29.934	.899	80.4	77.7	84.5	89.0	72.5	16.5	91.5	70.5	21.0	71.1	80	73.0	69	2.30	176
September ..	.905	.865	79.9	76.7	84.4	88.0	72.3	15.7	91.0	70.1	20.9	72.1	86	74.4	72	6.87	164
October ..	.865	.806	79.7	76.6	84.7	86.5	73.1	13.4	90.6	70.5	20.1	73.3	90	75.6	75	4.68	255
November ..	.927	.869	78.5	73.9	83.7	87.7	70.6	17.1	90.5	67.5	23.0	69.6	86	72.6	70	1.71	206
December ..	29.999	29.943	77.6	72.0	84.1	87.4	69.0	18.4	91.9	65.1	26.8	66.9	84	70.8	64	2.16	210
Mean. ..	29.958	29.913	78.2	74.8	83.3	86.5	70.4	16.1	89.6	67.2	22.4	69.0	82	72.0	69		203
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	58.88	

NEGRIL POINT LIGHT HOUSE MEAN RESULTS, *continued.*

Month. 1922	Wind from and miles per hour.						Clouds in tenths.						Weather Conditions.
	7 a.m.		3 p.m.		11 p.m.		Lower.		Middle.		Upper.		
							7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January ..	NNE	10.3	ENE	11.2	NE	7.7	1.6	1.0	0.8	3.6	1.1	0.9	Fine 10, Cloudy, 9 Overcast 4 and Rain on 8 days Thunderstorm on 22nd. Rainfall above the average.
February ..	NE	9.1	Var.	10.5	ENE	8.5	0.3	3.9	1.0	4.7	0.1	0.0	Fine 3, Cloudy 8, Overcast 4, Rain 13 days, Thunderstorm on 4 days. Rainfall above the average.
March ..	NE	9.4	Var.	9.8	NE	7.0	1.5	2.8	0.9	4.6	0.6	0.6	Fine 3, Cloudy 8, Overcast 3, Rain 17, Thunderstorm on 2 days, Lightning and thunder (distant) on a few days Rainfall 4 times the average.
April ..	NE	7.4	Var.	8.8	ENE	6.1	0.6	2.3	1.0	5.9	2.3	0.0	Fine 3, Cloudy 12. Overcast 4, Rain 11 days. Rainfall above the average
May ..	E	8.1	SE	12.1	E	8.0	1.9	3.2	0.5	4.6	4.8	1.0	Cloudy 7, Overcast 15, Rain 9, Thunderstorm 3 days, Thunder and Lightning on many days Rainfall the average.
June ..	E	7.0	SE	8.7	E	6.0	1.3	2.0	0.1	7.0	4.2	0.3	Cloudy 6, Overcast 7, Rain 17, Thunderstorm 10 days, Thunder and Lightning on many days, Rainfall below the average.
July ..	NE	7.4	Var.	9.2	NE	6.4	0.0	1.0	0.3	7.9	5.4	0.0	Fine 2, Cloudy 7, Overcast 5, Rain 17, Thunderstorm 10 days, Hail fell on the 28th. Thunder and Lightning on many days, Rainfall above the average.
August ..	NE	7.0	SE	10.5	E	5.1	1.3	1.3	0 3	7.4	4.4	0.6	Fine 1, Cloudy 9, Overcast 12, Rainy 9, Thunderstorm 7 days, Thunder and Lightning on many days Rainfall $\frac{1}{2}$ the average.
September ..	ENE	6.2	E	10.0	NE	5.5	1.3	2.3	1.3	6.2	4.3	0.4	Cloudy 5, Overcast 4, Rain 21, Thunderstorm on 14 days Thunder and Lightning on many days Rainfall below the average.
October ..	E	7.6	SSE	12.9	E	8.7	2.6	1.6	0.9	4.2	3.6	2.5	Fine 4, Cloudy 4, Overcast 10, Rain 13, Thunderstorm 4 days. Thunder and Lightning on a few days. Passing disturbance on the 15th. Rainfall about $\frac{1}{4}$ the average.
November ..	NE	7.7	NE	7.6	NE	7.0	0.9	1.3	0.7	4.5	3.8	1.3	Fine 5, Cloudy 10, Overcast 8, Rain 7, Thunderstorm 2 days. Brisk Nly. winds from 15th. Rainfall below the average.
December ..	NE	9.2	Var.	9.4	NE	8.7	0.6	1.2	0 4	4.0	1.2	1.3	Fine 6, Cloudy 6, Overcast 7, Rain 12, Thunderstorm 2 days Thunder and Lightning on a few days. Rainfall the average.
Means ..	NE	8.0	ESE	10.1	ENE	7.1	1.2	2.0	6.8	5.4	3.0	7.4	Rainfall for the year 4.5 ins. above the average with 154 rainy daps.

No. 543.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

FEBRUARY, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, *cirro-stratus*

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature				
		7 a.m.	3 p.m.	7 a.m.	3p.m	Max	Min.	Range	Max	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	30.064	30.032	76.3	80.2	81.5	73.5	8.0	83.0	14*	68.0	3*	15.0
Kingston ..	24	30.037	29.987	67.6	83.5	86.0	66.9	19.1	88.7	14	64.0	23	24.7
Negril Pt. Light House	33	30.047	29.996	68.7	81.1	85.3	66.2	19.1	89.1	14	63.0	17	26.1
Castleton Gardens ..	496	..	..	64.5	76.3	80.7	63.2	17.5	86	5	58.	3	28.
Hope Gardens† ..	668	30.079	29.985	71.2	87.4	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400		...	63.4	75.7	78.8	62.3	16.5	87	11*	62.	22*	25.
Kempshot ..	1,773	30.035	29.990	68.9	76.2	78.6	66.2	12.4	81.2	10	64.3	3	16.9
Hill Gardens ..	4,900	25.322	25.278	60.3	62.5	65	51.9	13.1	68	6	51.	10*	17.

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3. p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M	U.	L.	M.	U.
Morant Pt. Light House	8	69.1	78	68.8	68	0.76	..	NE	15	NE	15	2.3	3.0	0.1	0.6	3.3	3.0
Kingston	24	61.9	82	66.7	57	0.21	168	N	4.1	SE	15.9	2.0	0.1	0.1	5.3	1.4	0.2
Negril Point Light House‡	33	64.7	87	69.3	68	0.80	199	NE	6.4	S	10.0	1.4	0.5	0.7	2.5	5.0	0.2
Castleton Gdns	496	62.0	90	72.0	88	5.42	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	59.1	66	76.6	72	0.72	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1400	61.3	89	63.9	63	2.98	...	...	...	...	...	...	...	...	...	...	...
Kempshot	1773	65.2	88	70.1	90	1.89	163	E	4.3	N	6.2	1.5	0.2	0.1	1.4	3.2	0.1
Hill Gardens	4900	56.2	87	59.0	87	3.09	..	..	..	..	..	..	..	..	.	..	..

*and on other days.

†Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡Negril Point Light House Wind 11 p.m. NE. 6.3

THE RAINFALL

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition.

NORTH-EASTERN DIVISION.	February, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal					
Bath	1.99	0.40	19	15	4.43
Priestman's River					
Moore Town					
Port Antonio					
Fellowship					
Johnson River Bridge	0.82	0.18	18	17	2.21
Cedar Valley, St. Thos.	1.03	0.55	19	6	2.50
Hill Gardens	3.09	2.00	19	7	4.07
Hope Bay	5.43	2.00	19	11	
Spring Garden	4.57	1.20	20	15	8.42
Buff Bay					
Greenvale					
Belvedere, Portland					
Mt. Holstein	8.03	3.46	19	15	6.93
Rose Hill					
Hardware Gap	2.89	..	..	..	3.36
Stony Hill Ind. Sch	2.98	1.87	17	6	2.26
Castleton Gardens	5.42	1.46	19	14	4.94
Lawrence Tavern	2.48	1.27	20	3	2.29
Zion Hill	5.25	2.10	18	5	
Agualta Vale	3.35	2.05	19	12	5.33
Water Valley	7.01	2.10	19	10	4.83
Platfield	4.15	2.25	19	8	3.39
Richmond, St. Mary	6.75	4.28	19	8	4.53
Hampstead St. Mary	7.57	1.50	18	15	7.01
Windsor Castle	8.27	4.24	19	15	
Guy's Hill	6.78	4.95	19	6	
Lucky Hill	15.70	3.11	20	11	4.72
Rio Hoe	6.62	3.50	19	7	3.95
Unity Valley	5.03	2.72	19	10	3.50
Moneague	7.00	4.30	19	18	3.92
Claremont	4.45	1.50	20	7	3.87
Albion, St. Ann	6.58	2.36	19	12	3.49
Averham Park	5.84	3.40	19	10	4.25

NORTHERN DIVISION.	February, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria	4.25	1.02	19	15	5.38
Ocho Rios	2.94	2.13	19	5	3.77
Bogue, Ocho Rios	5.40	3.50	19	7	4.79
Rockfield	7.54	4.12	19	8	5.48
Liberty Hill	5.30	3.10	20	6	4.86
St. Ann's Bay	8.11	3.60	9	11	4.76
Seville					
Richmond Estate					
Llandovery					
Runaway Bay	3.17	0.76	18	8	
Brown's Town					
Alexandria	3.27	1.33	19	8	
Watt Town, St. Ann	4.67	1.50	23	6	
Home Castle	6.30	4.30	19	10	3.29
Richmond Pen	3.65	1.40	28	3	2.21
Bryan Castle	4.70	2.85	19	10	2.45
Braco	2.60	1.35	19	6	2.27
Arcadia	6.00	4.60	19	6	2.62
Harmony Hall	2.83	1.60	19	6	2.46
Duncans	3.07	1.75	19	5	
Clark's Town	4.18	3.00	19	5	
Deeside					
Falmouth	2.39	0.94	19	10	1.84
Good Hope	3.55	2.00	18	6	
Shawfield	2.90	1.64	19	3	
Hampden	3.76	1.65	19	5	2.03
Guilsbro					
Success					
Cinnamon Hill					
Rose Hall					
Tryall					
Running Gut					
Spring Estate					
Montego Bay	1.96	0.63	18	8	1.84
Friendship	1.99	0.54	1	6	
Retirement	2.01	0.51	19	7	2.10
King Gate	0.75	0.20	22	6	2.25
Blue Hole	0.90				2.48
Kew					
Haughton Court	0.75	0.30	22	5	1.99
Lucea					
Cousins Cove					
Green Island					
CENTRAL SUB-DIVISION					
Riversdale	1.64	0.71	19	10	
Headworks, Rio Cobre	2.37	1.58	17	4	1.52
Linstead	6.82	0.92	14	16	1.93
Berkshire Hall	3.49	2.00	19	7	2.10
Point Hill	1.97	0.70	20	5	3.61
Bellas Gate	0.00				
Croft Hill	0.88	0.30	20	6	1.56
Chapelton	0.27	0.11	24	5	1.73
Frankfield	1.45	0.85	18	2	
Crooked River					

WEST-CENTRAL DIVISION.	February. 1923				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	1.84	1.60	7	3	1.45
Spaldings ..	1.49	0.60	20	9	..
Brokenhurst ..	1.07	0.55	16	5	2.37
Christiana ..	3.43	1.82	17	10	2.42
Chudleigh ..	2.43	1.50	17	8	2.90
Shooter's Hill ..	..	..	..	..	..
Kendal, Manchester	1.38	0.90	16	3	2.32
Clifton Hill ..	1.30	0.92	16	4	..
Marshalls Pen ..	4.05	2.00	17	4	2.94
Mandeville ..	1.71	0.79	16	9	2.69
Carlton, Mandeville	1.31	0.47	16	7	2.69
Ulster Spring ..	2.36	1.05	19	8	2.97
Deeside ..	3.36	1.76	19	5	..
Albert Town ..	2.15	1.00	19	4	2.65
Lowe River ..	3.39	1.25	18	7	2.86
Troy ..	1.50	0.45	8	5	2.98
Warsop ..	3.14	1.30	18	6	..
Balaclava Police Station ..	4.18	1.75	18	8	2.21
Wallingford ..	3.94	1.25	18	9	2.83
Magotty ..	7.04	1.95	18	8	3.02
Springfield, St. Elizabeth ..	5.24	2.20	18	9	..
Kempshot ..	1.89	0.52	19	7	2.77
Cambridge, St. James ..	2.45	1.49	18	10	3.15
Kew Park ..	2.28	1.02	18	11	2.81
New Market, Police Station ..	2.17	0.64	18	7	3.87
The Bog, New Market ..	2.63	1.11	18	5	4.00
Bethel Town ..	3.24	1.78	18	11	..
Montpelier ..	..	..	..	..	..
Ramble ..	3.42	2.40	18	6	..
Burnt Ground ..	1.90	1.35	18	4	2.43
Knockalva ..	2.54	1.73	18	5	2.56
Petersville ..	3.71	2.08	7	10	2.79
Darliston ..	2.48	0.89	18	12	3.41
Bluefields ..	1.95	0.80	16	4	3.80
Whithorn ..	1.43	1.00	18	3	3.15
Water Works Pen	0.71	0.55	18	6	3.88
Askenish ..	..	..	..	..	..
Grange Hill ..	2.03	0.72	9	13	2.39
King's Vale Police Station ..	..	..	..	..	..

SOUTHERN DIVISION.	February, 1923.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	0.76	0.18	1	9	2.89
Pleasant Hill ..	1.23	0.40	25	8	2.75
East Prospect ..	0.73	0.24	17	10	2.18
Morant Bay ..	0.45	0.03	18	8	1.98
Easington ..	0.25	0.15	9	2	1.43
Bull Bay ..	0.00	..	..	..	0.48
Mavis Bank ..	1.00	1.00	19	1	..
Bellevue ..	..	..	..	..	..
Gordon Town ..	0.91	0.50	19	2	1.63
Irish Town ..	1.20	..	..	..	1.34
Hope Gardens ..	0.72	0.28	19	5	1.18
King's House Gar.	0.40	0.40	18	1	1.27
..	..	..	..	..	..
Half-way Tree ..	0.22	0.15	18	2	0.80
Lunatic Asylum	0.27	0.20	16	3	0.51
N.E. Kingston ..	0.38	0.30	16	3	0.60
Kingston P.W.O. ..	0.21	0.17	16	4	0.60
Upper Kingston ..	0.51	0.39	16	4	..
Plumb Point L.H.					
Clifton Pen ..	0.12	0.08	16	2	0.48
Hematine ..	1.25	1.01	25	5	..
Quarantine Station	0.00	..	..	..	0.34
Spanish Town ..	1.03	0.67	25	6	1.22
Hog Hole, St. Catherine ..	1.81	0.71	17	6	1.70
Hartlands ..	0.51	0.21	7	4	1.26
Old Harbour ..	2.57	1.00	21	5	1.67
May Pen ..	0.39	0.23	7	3	1.62
Dry River, Vere ..					
Toll Gate ..	0.60	0.60	21	1	1.43
New Yarmouth ..	1.41	0.80	21	4	1.12
Exeter ..	0.50	0.40	22	2	1.13
Cottage ..	0.42	0.42	21	1	..
Milk River ..	1.27	0.50	17	3	1.32
Retrieve ..	0.69	0.35	20	3	..
Hog Hole, S. Man.	..	..	..	..	..
Stone's Hope ..	0.74	0.23	17	8	2.03
Newport, Manchester ..	1.50	0.33	18	9	2.45
Great Valley, Man.	1.97	0.70	16	5	2.26
Alligator Pond ..					
Fairfield ..	3.05	1.00	17	11	2.36
Southfield, St. Elizabeth ..	1.10	0.41	17	9	2.18
Lititz ..	2.27	0.56	18	7	1.58
Torrington ..	3.19	0.90	25	11	2.28
Bethlehem, St. Eliz	2.91	0.78	17	14	2.26
Santa Cruz ..	3.93	0.95	17	11	2.33
Pedro Plains Police Stn. ..	2.13	0.80	17	8	1.08
Mountainside ..	..	..	..	..	..
Black River ..	2.01	0.82	7	10	1.69
Font Hill ..	2.00	0.35	7	8	1.48
Mount Edgecombe	3.21	2.26	7	10	2.40
Sweet River ..	0.60	0.30	7	3	2.77
Windsor Sav-la-Mar	0.86	0.58	7	4	2.32
Orchard ..	0.81	0.44	7	6	2.27
Sav-la-Mar ..	0.65	0.35	7	7	2.10
Little London ..	0.97	0.34	18	5	..
Retreat ..	2.98	0.94	18	5	2.51
Negril Point L.H.	0.80	0.15	7	9	1.74

NOTES

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

Divisional and Island Rainfall	February. 1923	February. Average
	In	In
North-Eastern Division ..	5.15	5.51
Northern " ..	3.52	2.48
West-Central " ..	2.51	2.69
Southern " ..	1.24	1.57
The Island ..	3.10	3.06

Shocks of Earthquake in February 1923.

Date	Standard Time (Approx.)	Intensity. No	Notes: where felt, etc
			Earthquakes reported

For the Month.

The mean rainfall for the month for the Island, was slightly above the Average.
The Northern Division was about 40 per cent above, and all the other Divs. a little below the averages.
For the Month, the greatest fall was 15.70 ins. at Lucky Hill in the N. E. division.
No rainfall was reported from Bellas Gate, Bull Bay and the Quarantine Station.
In 24 hours the greatest fall of 4.95 ins. occurred at Guy's Hill on the 19th.
Between the 17th. and the 22nd. most of the precipitation appears to have taken place.
The Meteorological Results for Morant Point Light House for the Year 1922 are given in the Tables, appended.

J. F. Brennan,
Govt. Meteorologist.

Kingston, March, 23rd 1923.

MORANT POINT LIGHT HOUSE MEAN METEOROLOGICAL RESULTS FOR THE YEAR 1922.
Elevation, 8 feet.

Month.	Barometer Pressure.		Temperature.						Extremes for the Month.			Dewpoint and humidity.				Rainfall.
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range	7 a.m.		3 p.m.		
	ins.	ins.	°	°	°	°	°	°	°	°	°	°	%	°	%	Ins.
January ..	29.999	29.953	77.0	75.8	79.8	81.4	73.2	8.2	84.0	65.0	19.0	69.2	80	68.9	69	3.10
February ..	30.024	29.991	77.9	77.6	80.1	81.6	74.4	7.2	84.0	66.0	18.0	69.7	77	69.9	71	2.15
March ..	30.028	29.995	77.9	77.3	80.5	82.5	73.4	9.1	84.0	64.5	19.5	69.2	76	69.3	69	2.72
April ..	30.032	30.002	79.1	78.9	81.4	83.3	74.7	8.6	85.5	66.0	19.5	70.3	75	70.2	69	0.78
May ..	29.965	29.921	80.4	80.0	82.6	84.7	76.2	8.5	87.0	72.0	15.0	72.4	78	72.6	72	4.45
June ..	29.991	29.966	81.8	81.5	84.2	86.1	77.4	8.7	87.5	73.0	14.5	73.4	77	73.6	71	1.43
July ..	30.037	30.011	82.9	82.1	85.4	86.9	79.3	7.6	88.5	74.5	14.0	73.6	76	74.5	70	1.18
August ..	29.962	29.931	82.0	81.7	84.5	86.8	77.1	9.7	88.5	71.0	17.5	73.9	77	74.4	72	5.52
September ..	29.936	29.892	82.3	81.3	85.3	87.4	77.2	10.2	89.0	72.0	17.0	73.9	78	74.6	71	3.68
October ..	29.900	29.847	80.4	79.8	83.8	86.4	73.5	12.9	88.5	68.0	20.5	73.6	80	73.4	71	7.05
November ..	29.940	29.900	80.1	80.0	82.6	84.6	75.3	9.3	86.5	64.0	22.5	70.1	72	70.9	68	2.72
December ..	30.027	29.982	78.9	78.6	81.3	82.6	75.3	7.3	84.0	69.0	15.0	70.8	77	70.9	71	3.20
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	37.98
Means ..	29.987	29.949	80.0	79.5	82.6	84.5	75.6	8.9	86.4	68.7	17.7	71.7	77	71.9	70	..

MORANT POINT LIGHT HOUSE MEAN RESULTS, *continued.*

Month.	Wind: direction from and miles per hour.				Clouds in tenths of the sky.						Weather Conditions.
	7 a.m.		3 p.m.		Lower.		Middle.		Upper.		
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January ..	NE	16.	NE	13.5	3.0	1.4	1.7	2.8	0.5	0.3	Norther 2nd, 3rd & 15th. Overcast 4 days, Rain 15 days.
February ..	NE	20.	NE	19.	3.0	1.3	1.2	3.0	0.3	0.2	Norther 8th, 9th, 10th 17th & 18th. Overcast 4 days, Rain 8 days.
March ..	NE	17.5	NE	15.	3.1	1.1	2.3	3.4	0.1	0.2	Overcast 3 days, Rain 14 days, High N wind on 18th.
April ..	NE	15.	NE	13.4	0.8	0.2	3.2	2.3	0.4	0.6	Overcast 5 days, Rain 10 days; but only 0.78 in.
May ..	ENE	12.6	E	12.8	2.4	1.7	1.7	2.1	1.5	1.7	Overcast 8 days, A dry month with a rainy period in the middle: 12 rainy days.
June ..	ENE	15.	E	12.3	1.6	0.9	2.5	2.1	1.3	2.2	Overcast 3 days, Thunderstorm on 17th. Distant lightning frequent, 14 rainy days.
July ..	NE	18.	NE	19.	2.2	0.5	1.8	2.5	1.4	1.5	Thunderstorm on 22nd. Distant lightning frequently, 10 rainy days
August ..	NE	12.	ENE	12.	1.3	1.4	2.4	2.4	2.0	1.5	Overcast on 3 days, Thunderstorms on 5th, 6th, 10th & 13th. 22 rainy days
September ..	NE	10.5	ENE	11.	1.2	0.8	3.1	2.8	2.0	1.4	Overcast on 3 days, Thunderstorms 9th, 10th & 28th. 15 rainy days
October ..	E	11.0	E	11.	1.3	1.6	3.1	1.7	1.9	1.6	Overcast 1 day, Thunderstorm on 9th. 17 rainy days: very low tides.
November ..	NNE	18.	NNE	16.	1.3	0.9	2.2	3.1	1.0	1.4	Norther 29th & 30th. Overcast 3 days, Thunderstorm 13th, 10 rainy days.
December ..	NE	20.	NE	20.	2.1	0.3	2.2	2.7	0.3	1.0	Norther 1st & 2nd. Thunderstorms 11th &17th. Overcast 2 days, 13 rainy days.
Means ..	NE½E	15.5	NEbE	14.6	1.9	1.0	2.3	2.6	1.1	1.1	A dry year. 160 rainy days for 37.98 ins.

No. 544.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

MARCH, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus

METEOROLOGICAL RESULTS.

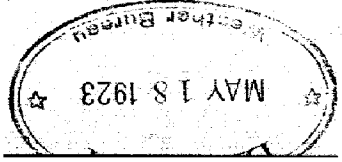
Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature				
		7 a.m.	3 p.m.	7 a.m	3p.m	Max	Min.	Range	Max	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	30.027	29.991	77.1	81.2	82.4	73.3	9.1	84.0	15*	65.0	1	19.0
Kingston ..	24	30.000	29.939	70.5	84.6	87.3	68.6	18.7	92.0	14	63.2	8	29.1
Negril Pt. Light House	33	30.002	29.960	71.0	81.9	86.0	67.5	18.5	88.5	6	63.8	5	24.7
Castleton Gardens ..	496	..	..	64.4	78.4	83.9	63.4	20.5	88	27	60.	8*	28.
Hope Gardens† ..	668	30.034	29.936	72.6	90.7	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	..	..	67.8	83.8	84.6	64.9	20.7	90.0	1*	61.	4*	29.
Kempshot ..	1,773	30.005	29.965	66.9	73.4	78.2	65.0	13.2	82.2	7	61.9	14	20.3
Hill Gardens ..	4,900	25.281	25.264	61.3	63.4	69.0	54.5	14.5	71	16*	52.	12*	19.

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3. p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M	U.	L.	M.	U.
Morant Pt. Light House	8	69.5	77	70.3	70	1.11	..	NE	17	NE	16	2.2	2.7	0.1	0.7	2.1	0.1
Kingston	24	63.3	78	67.5	56	0.64	234	NNE	4.6	SE	20.0	2.1	0.4	0.0	2.9	1.9	0.0
Negril Point Light House‡	33	66.8	87	71.3	71	2.12	202	NE	7.2	S	11.0	0.6	2.4	0.1	2.6	4.7	0.1
Castleton Gdns.	496	62.5	91	72.3	82	2.10	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	62.7	71	80.8	73	0.60	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1400	61.5	81	69.0	61	1.40	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1773	64.0	86	64.8	77	5.20	210	E	5.2	NE	4.6	2.0	0.9	0.2	3.4	2.6	0.1
Hill Gardens	4900	57.9	90	60.2	90	1.61	..	..	..	..	..	..	..	..	.	..	..

*and on other days.

‡Negril Point Light House

†Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
Wind 11 p.m. NE. 5.9



THE RAINFALL

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition.

NORTH-EASTERN DIVISION.	March, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal					
Bath	1.81	0.30	15	17	3.98
Priestman's River					
Moore Town	3.45	0.32	19	11	9.78
Port Antonio	3.34	0.78	20	13	4.76
Fellowship	3.53	0.83	4	23	7.31
Johnson River Bridge	1.69	0.48	3	10	2.32
Cedar Valley, St. Thos.	0.71	0.20	4	5	3.07
Hill Gardens	1.61	1.15	13	4	4.88
Hope Bay					
Spring Garden	3.85	0.85	5	18	5.32
Buff Bay	4.11	1.20	4	11	5.54
Greenvale					
Belvedere, Portland	2.48	0.43	24	11	
Mt. Holstein	1.52	0.46	19	9	8.09
Rose Hill					
Hardware Gap	1.27	..	..	..	4.21
Stony Hill Ind. Sch	1.40	0.81	31	4	3.10
Castleton Gardens	2.10	1.12	19	7	4.87
Lawrence Tavern	1.10	0.40	20	4	3.06
Zion Hill	3.09	1.05	20	7	
Agualta Vale	4.14	1.00	25	7	4.40
Water Valley	3.75	0.70	4	14	4.25
Platfield	2.01	1.40	19	5	3.31
Richmond, St. Mary	1.77	0.91	4	9	3.63
Hampstead St. Mary	2.70	0.55	15	15	5.08
Windsor Castle	1.71	0.62	25	8	
Guy's Hill	1.38	0.40	20	5	
Lucky Hill	1.45	0.45	15	16	2.93
Rio Hoe	1.39	0.89	4	3	3.55
Unity Valley	1.53	0.46	4	11	3.57
Moneague	1.98	0.70	19	14	3.10
Claremont	1.35	0.50	4	4	3.27
Albion, St. Ann	1.64	0.69	4	9	3.53
Averham Park	1.48	0.50	4	8	3.72

NORTHERN DIVISION.	March, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria	1.09	0.53	18	7	3.16
Ocho Rios	1.43	0.67	3	3	2.89
Bogue, Ocho Rios	1.25	0.60	4	5	4.12
Rockfield	1.14	0.48	4	4	4.22
Drax Hall					
Liberty Hill	3.32	0.92	4	9	4.39
St. Ann's Bay	5.80	2.10	25	7	2.85
Seville					
Richmond Estate					
Llandovery					
Runaway Bay	1.27	0.57	3	3	
Brown's Town	2.04	0.98	29	5	3.08
Alexandria	0.92	0.43	19	3	
Watt Town, St. Ann	1.16	0.70	22	2	
Home Castle	1.85	0.40	24	10	2.
Richmond Pen	3.10	1.40	31	4	2.52
Bryan Castle	2.05	0.65	15	7	2.08
Braco	1.80	0.55	18	7	1.72
Arcadia	1.30	0.40	17	4	
Vale Royal					
Harmony Hall	1.80	0.42	19	7	1.97
Duncans	1.80	0.40	15	6	
Colchis Pen	0.76	0.28	30	4	
Carey Park	1.40	0.32	25	9	
Clark's Town	0.36	0.26	4	2	
Springfield	1.47	0.48	2	6	
Falmouth	0.77	0.27	15	10	1.74
Good Hope	1.50	1.10	29	4	
Shawfield	3.51	0.31	28	4	
Hampden					
Guilsbro					
Success					
Cinnamon Hill					
Rose Hall					
Tryall					
Running Gut					
Spring Estate					
Montego Bay	0.22	0.08	27	3	1.69
Friendship					
Retirement					
King Gate	0.80	0.20	19	6	2.81
Blue Hole	3.43			5	
Kew					
Haughton Court	3.35	1.55	19	7	2.17
Lucca					
Cousins Cove					
Green Island					
CENTRAL SUB-DIVISION					
Rio Magno					
Headworks, Rio Cobre	3.46	2.60	20	5	2.93
Linstead	5.29	0.98	3	12	3.06
Berkshire Hall	1.39	0.45	27	5	2.65
Point Hill	3.08	0.92	4	5	4.88
Bellas Gate	0.55	0.45	12	2	
Croft Hill	0.90	0.30	4	6	3.07
Chapelton	1.37	0.68	4	4	2.83
Frankfield	1.41	0.45	18	4	
Trout Hall					
Crooked River	0.50	0.25	18	3	

West-Central Division.	March, 1923				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon					
Spaldings ..	3.09	1.46	31	9	..
Brokenhurst ..	1.07	0.39	6	4	3.25
Christiana ..	1.55	1.19	4	7	4.84
Chudleigh ..	2.34	1.15	31	7	4.30
Shooter's Hill ..	0.89				3.34
Kendal, Manchester	1.08	0.33	4	5	3.67
Clifton Hill ..	1.62	0.60	15	6	..
Marshalls Pen ..	1.21	0.35	17	5	4.38
Mandeville ..	1.23	0.41	15	9	4.57
Carlton, Mandeville	0.72	0.24	4	6	4.57
Ulster Spring ..	3.22	1.54	31	5	3.86
Albert Town ..	4.30	1.60	16	4	4.48
Lowe River ..	1.41	0.83	30	3	5.82
Troy ..	0.94	0.50	19	4	5.58
Warsop ..	1.73	0.59	31	5	..
Balaclava Police Station ..	1.93	0.59	29	5	4.89
Wallingford ..	1.98	0.56	8	8	5.32
Magotty ..	4.45	1.09	20	7	5.98
Deeside	0.00	..	..	0	..
Springfield, St. Elizabeth ..	2.23	0.83	31	7	..
Bandon Pen	2.45	1.15	30	4	..
Kempshot ..	5.20	4.44	27	7	3.12
Cambridge, St. James ..	2.20	0.85	19	9	5.78
Kew Park ..	6.73	2.19	31	13	4.50
New Market, Police Station ..	4.30	1.96	31	7	6.40
The Bog, New Market ..	3.84	1.23	31	10	7.56
Bethel Town ..	6.44	2.09	19	12	..
Montpelier ..	..	..	..	..	..
Ramble ..	4.14	1.19	19	8	..
Burnt Ground ..	2.50	1.50	19	3	4.55
Knockalva ..	4.77	1.76	19	7	5.54
Petersville ..	3.99	1.50	20	7	5.32
Darliston ..	5.63	0.84	19	14	6.42
Bluefields ..	2.80	0.80	20	5	7.26
Whithorn ..	5.84	1.50	19	11	4.90
Water Works Pen	5.46	1.15	20	12	6.50
Askenish ..					
Grange Hill ..	5.27	1.77	19	16	5.31
King's Vale Police Station ..					

Southern Division.	March, 1923.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	1.11	0.31	4	14	2.15
Pleasant Hill ..	1.55	0.60	19	8	
East Prospect ..	3.72	2.89	19	12	2.47
Morant Bay ..	2.22	1.24	19	12	1.77
Easington ..	1.00	0.35	3	7	1.41
Bull Bay ..	0.00	..	..	0	0.46
Mavis Bank ..	0.00	..	..	0	..
Bellevue ..	..	..	..	..	..
Gordon Town ..	0.71	0.38	4	2	1.73
Irish Town ..	0.60	..	..	..	2.30
Hope Gardens ..	0.60	0.32	20	5	2.02
King's House Gar.	0.50	0.50	20	1	1.57
Melrose ..	..	..	..	..	..
Half-way Tree ..	0.81	0.60	20	3	1.29
Lunatic Asylum ..	0.47	0.19	31	4	1.00
N.E. Kingston ..	0.62	0.29	3	5	1.12
Kingston P.W.O. ..	0.64	0.26	31	5	1.02
Upper Kingston ..	0.27	0.15	3	5	..
Plumb Point L.H.	0.29	0.15	31	3	0.96
Clifton Pen ..	0.39	0.25	21	2	1.25
Hematine ..	1.10	0.95	20	4	..
Quarantine Station	0.23	0.10	16	3	0.96
Spanish Town ..	0.97	0.78	20	3	2.04
Hog Hole, St. Catherine ..	1.22	0.62	20	3	2.11
Hartlands ..	1.90	1.00	20	1	1.85
Old Harbour ..	0.78	0.50	20	2	2.54
May Pen ..	0.45	0.25	4	3	2.67
Dry River, Vere ..	1.17	0.74	4	2	1.79
Toll Gate ..	0.35	0.15	7	3	3.01
New Yarmouth ..	0.95	0.55	4	2	1.41
Cottage ..	0.51	0.26	3	3	..
Milk River ..	0.71	0.41	3	2	1.90
Retrieve ..	0.82	0.26	20	4	..
Hog Hole, S. Man. ..	..	..	..	..	..
Stone's Hope ..	0.72	0.31	6	4	2.84
Newport, Manchester ..	0.66	0.42	6	5	3.37
Great Valley, Man.	1.18	0.75	24	4	2.57
Alligator Pond ..	0.47	0.20	2	3	1.86
Fairfield ..	1.02	0.24	25	9	4.06
Southfield, St. Elizabeth ..	0.73	0.34	6	7	2.57
Lititz ..	0.25	0.13	8	3	2.45
Torrington ..	0.36	0.27	6	2	3.50
Bethlehem, St. Eliz	0.52	0.23	4	3	4.19
Santa Cruz ..	3.34	2.00	31	10	4.70
Pedro Plains Police Stn. ..	0.81	0.42	6	3	1.77
Mountainside ..	..	..	..	..	..
Black River ..			19		
Font Hill ..	2.10	1.25	20	6	3.69
Mount Edgecombe	3.69	1.82	20	12	4.04
Sweet River ..	6.06	2.30	20	10	3.50
Windsor Sav-la-Mar	3.22	1.33	20	10	2.97
Orchard ..	3.43	1.17	20	10	4.41
Sav-la-Mar ..	2.32	1.11	20	9	2.78
Little London ..	4.92	1.68	19	9	..
Retreat ..	7.09	1.64	19	11	3.57
Negril Point L.H.	2.12	0.86	19	10	2.59

NOTES

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

Divisional and Island Rainfall	March. 1923	March. Average
	In	In
North-Eastern Division	2.28	4.68
Northern "	2.08	2.42
West-Central "	3.10	4.34
Southern "	1.38	2.25
The Island	2.21	3.42

Shocks of Earthquake in March 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt, etc
		No	Earthquakes reported this month

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JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

APRIL, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.987	29.948	77.8	82.2	84.2	72.8	11.4	86.4	30	65.0	10	21.4
Kingston ..	24	29.965	29.913	73.1	83.4	87.3	69.4	17.9	90.1	2	65.7	2	24.4
Negril Pt. Light House	33	29.963	29.922	73.8	82.3	85.8	69.2	16.6	89.2	0	66.8	6	22.4
Castleton Gardens ..	496	..	..	65.2	78.1	83.5	64.2	19.3	89	30	60	6	29
Hope Gardens† ..	668	29.998	29.924	70.1	80.9	84.0	67.1	16.9	86	1*	65	9	21
Stony Hill Indus. School	1,400	..	..	67.3	77.9	87.4	67.3	20.1	90	1*	67	1*	23
Hill Gardens ..	4,900	25.274	25.259	62	63.7	68	56.5	11.5	70	17*	54	4	16

Stations.	Elevation.	Dew Point and Humidity. 7 a.m.		Dew Point and Humidity. 3 p.m.		Rainfall.	Wind per diem.	Wind: direction from and miles per hour. 7 a.m.		Wind: direction from and miles per hour. 3 p.m.		Amount of Cloud. Lower, Middle and Upper. 7 a.m.			Amount of Cloud. Lower, Middle and Upper. 3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	70.0	77	70.0	67	1.48	..	NE	11	NE	12	2.3	1.9	0.4	0.8	2.5	0.3
Kingston	24	65.6	78	69.5	63	0.89	181	NNE	3.6	SE	15.0	0.5	0.2	0.2	4.8	1.9	0.6
Negril Point Light House‡	33	68.7	84	70.0	67	2.20	186	ENE	5.7	Var.	10.2	0.7	0.6	0.8	2.0	5.3	0.0
Castleton Gdns.	496	63.4	93	73.4	85	10.28	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	64.6	84	72.8	77	3.37	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	61.8	83	71.3	82	5.30	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58.8	90	60.9	90	7.98	..	..	..	..	..	..	..	..	..	..	..

*and on other days.
‡Negril Point Light House
†Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
Wind 11 p.m. E. 6.8

THE RAINFALL.

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NORTH-EASTERN DIVISION.	April, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal	2.52	0.70	13	5	7.87
Bath ..	5.70	1.46	13	15	6.76
Priestman's River	2.40	0.50	4	7	
Moore Town ..	5.49	3.60	20	11	11.76
Port Antonio ..	3.01	1.34	19	6	6.85
Fellowship ..	2.32	1.18	19	10	10.29
Johnson River Bridge ..	3.23	0.85	19	13	4.85
Cedar Valley, St. Thos. ..	5.61	1.36	25	9	4.54
Hill Gardens ..	7.98	2.47	29	10	5.98
Hope Bay ..	1.98	0.78	19	6	
Spring Garden ..	1.08	0.60	20	4	6.79
Buff Bay ..	0.83	0.65	19	3	7.06
Greenvale ..	..	..	..	..	
Belvedere, Portland	3.21	2.00	20	6	
Mt. Holstein ..	9.09	4.78	20	7	6.91
Rose Hill ..	..	..	..	..	
Hardware Gap ..	6.90	..	..	..	6.89
Stony Hill Ind. Sch	5.30	1.12	29	17	5.49
Castleton Gardens	10.28	2.35	20	15	6.61
Lawrence Tavern ..	7.60	2.38	12	11	4.65
Zion Hill ..	9.31	2.95	12	11	
Agualta Vale ..	2.33	1.65	6	6	5.34
Water Valley ..	1.74	0.94	6	3	4.96
Platfield ..	6.10	1.32	17	10	4.39
Richmond, St. Mary	3.80	1.60	19	9	4.95
Hampstead St. Mary	0.95	0.40	19	6	6.51
Windsor Castle ..	6.00	3.85	15	10	
Guy's Hill ..	6.25	2.95	15	10	
Lucky Hill ..	4.31	1.75	14	5	6.01
Rio Hoe ..	3.50	1.00	6	6	4.62
Unity Valley ..	2.42	0.51	19	11	5.01
Moneague ..	3.28	1.25	18	9	4.69
Claremont ..	1.40	0.85	5	3	4.17
Albion, St. Ann ..	1.32	0.35	8	6	4.65
Averham Park ..	1.90	0.52	20	12	5.00

NORTHERN DIVISION.	April, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ..	0.94	0.65	6	4	4.86
Ocho Rios ..	1.10	0.62	14	2	3.90
Bogue, Ocho Rios	1.27	0.75	19	3	6.27
Rockfield ..	3.35	1.40	5	10	6.52
Drax Hall ..	..	..	..	..	
Liberty Hill ..	1.30	0.50	19	5	5.10
St. Ann's Bay ..	1.57	1.50	19	2	4.16
Seville ..	1.16	0.90	26	3	3.79
Richmond Estate					
Llandovery	0.92	0.75	19	2	3.73
Runaway Bay ..	1.01	0.80	18	2	
Brown's Town ..	2.05	1.22	19	4	3.95
Alexandria ..	0.20	0.12	22	2	
Watt Town, St. Ann	1.18	0.46	29	4	
Home Castle ..	2.50	1.55	13	4	
Richmond Pen ..	2.10	0.90	30	4	3.98
Bryan Castle ..	1.05	0.50	19	3	2.44
Braco ..	0.60	0.50	19	2	2.34
Arcadia ..	1.00	0.70	19	2	
Vale Royal					
Harmony Hall ..	0.60	0.52	18	2	2.24
Duncans ..	1.00	0.80	19	2	
Colchis Pen	2.30	1.05	16	6	
Carey Park ..	0.33	0.33	19	1	
Clark's Town ..	2.40	0.50	12	6	
Springfield ..	0.40	0.21	19	2	
Falmouth ..	0.38	0.25	19	3	2.25
Good Hope ..	1.42	0.85	15	6	
Shawfield ..	1.52	0.67	14	5	
Hampden ..	1.91	1.19	26	3	
Guilsbro ..	..	..	..	..	
Success ..	..	..	..	..	
Cinnamon Hill ..	..	..	..	..	
Rose Hall ..	..	..	..	..	
Tryall ..	..	..	..	..	
Running Gut ..	..	..	..	..	
Spring Estate					
Montego Bay ..	1.23	0.47	13	6	3.41
Friendship ..	1.76	1.34	13	4	
Retirement ..	1.75	1.52	13	6	
King Gate ..	1.56	0.60	16	6	4.77
Blue Hole ..	2.06	0.75	14	7	
Kew ..	..	..	..	..	
Haughton Court ..	3.45	1.20	14	6	3.72
Lucea ..	3.45	1.59	14	7	4.01
Cousins Cove ..	..	..	..	..	
Green Island ..	8.48	1.55	15	10	
CENTRAL SUB-DIVISION					
Rio Magno					
Headworks, Rio Cobre ..	1.75	0.45	22	5	3.71
Linstead ..	5.41	1.28	9	11	4.74
Berkshire Hall ..	1.39	0.45	27	5	4.15
Point Hill ..	2.81	1.76	21	6	6.38
Bellas Gate ..	1.70	0.95	19	3	
Croft Hill ..	3.76	0.90	9	10	4.67
Chapelton ..	3.64	1.08	9	9	4.04
Frankfield ..	5.57	1.60	28	14	
Trout Hall ..	..	..	..	..	
Crooked River ..	3.65	0.80	9	12	

West-Central Division.	April, 1923.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon					
Spaldings ..	6.49	2.04	29	17	..
Brokenhurst ..	6.73	1.50	19	12	5.76
Christiana ..	4.97	0.96	29	20	7.49
Chudleigh ..	5.76	1.31	29	12	7.08
Shooter's Hill ..	5.30	1.57	9	9	5.14
Kendal, Manchester	5.41	1.42	9	12	6.97
Clifton Hill ..	5.39	1.50	18	10	..
Marshalls Pen ..	6.41	1.67	29	11	6.74
Mandeville ..	5.20	1.09	24	12	5.98
Carlton, Mandeville	5.28	1.12	24	12	5.98
Ulster Spring ..	3.34	1.67	12	7	7.36
Albert Town ..	4.25	1.50	11	4	7.62
Lowe River ..	4.41	2.73	11	5	9.11
Troy ..	0.30	0.30	18	1	9.32
Warsop ..	2.94	1.60	12	4	..
Balaclava Police Station ..	4.47	1.40	12	7	10.10
Wallingford ..	5.18	2.08	12	12	9.26
Magotty ..	9.83	2.85	12	9	10.06
Deeside	2.64	1.01	17	4	..
Springfield, St. Elizabeth ..	14.38	5.85	16	13	..
Bandon Pen	5.43	1.45	12	8	..
Kempshot ..	2.62	1.62	14	8	5.45
Cambridge, St. James ..	5.96	1.59	12	10	7.02
Kew Park ..	6.19	1.00	12	15	8.21
New Market, Police Station ..	13.72	3.65	16	13	9.84
The Bog, New Market ..	9.02	2.02	16	19	10.99
Bethel Town ..	7.59	1.52	13	20	..
Montpelier ..	..	..	..	..	..
Ramble ..	7.61	2.00	12	11	..
Burnt Ground ..	5.34	1.50	12	8	6.07
Knockalva ..	5.81	1.54	12	11	6.66
Petersville ..	7.24	1.31	6	15	7.35
Darliston ..	8.04	1.31	10	16	11.31
Bluefields ..	7.50	2.25	3	10	7.81
Whithorn ..	5.64	1.20	16	11	7.31
Water Works Pen	6.28	1.35	16	13	7.75
Askenish ..	10.27	4.30	6	12	..
Grange Hill ..	7.14	1.44	21	17	6.50
King's Vale Police Station ..	7.99	1.68	16	10	5.97

Southern Division.	April, 1923.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average
	In.	In.			In.
Morant Point L.H.	1.48	0.45	6	10	3.53
Pleasant Hill ..	1.98	0.40	8	8	..
East Prospect. ..	1.82	0.29	13	11	5.43
Morant Bay ..	0.89	0.20	14	11	3.27
Easington ..	..	..	..	..	..
Bull Bay ..	0.00	..	..	0	1.21
Mavis Bank ..	1.54	0.94	28	2	..
Bellevue ..	..	..	..	..	..
Gordon Town ..	4.39	0.85	29	11	3.46
Irish Town ..	5.80	..	..	..	4.58
Hope Gardens ..	3.37	0.69	20	13	2.97
King's House Gar.	1.51	0.41	29	6	2.64
Melrose ..	..	..	..	..	..
Half-way Tree ..	2.35	1.60	19	6	2.00
Lunatic Asylum	1.69	0.98	23	6	1.66
N.E. Kingston ..	0.91	0.28	23	7	2.34
Kingston P.W.O. ..	0.89	0.63	23	8	1.24
Upper Kingston ..	0.73	0.28	23	8	..
Plumb Point L.H.	2.22	2.01	23	2	1.23
Clifton Pen ..	0.59	0.20	19	4	2.19
Hematine ..	1.79	1.19	19	4	..
Quarantine Station	1.98	1.50	24	3	1.93
Spanish Town ..	1.70	1.25	19	4	2.48
Hog Hole, St. Catherine ..	2.53	1.85	19	3	3.04
Hartlands ..	..	..	..	..	..
Old Harbour ..	2.15	1.23	8	5	3.01
May Pen ..	6.43	3.15	19	9	3.11
Dry River, Vere ..	2.79	1.45	7	6	3.05
Toll Gate ..	2.05	0.86	23	7	5.40
New Yarmouth ..	3.09	1.40	8	7	2.73
Cottage ..	3.66	1.83	19	7	..
Milk River ..	1.15	0.37	19	6	2.62
Retrieve ..	2.64	0.97	19	7	..
Hog Hole, S. Man.	3.38	0.78	19	8	..
Stone's Hope ..	5.15	1.60	8	13	4.57
Newport, Manchester ..	7.71	2.60	8	16	5.41
Great Valley, Man.	4.04	1.50	19	8	4.22
Alligator Pond ..	4.53	1.80	21	7	3.36
Fairfield ..	8.25	2.15	24	12	6.08
Southfield, St. Elizabeth ..	7.12	3.09	19	12	3.61
Lititz ..	5.08	1.73	8	9	4.64
Torrington ..	6.58	1.30	8	13	4.61
Bethlehem, St. Eliz.	5.25	0.76	7	17	6.36
Santa Cruz ..	7.25	1.42	29	15	9.25
Pedro Plains Police Stn. ..	2.77	0.95	19	8	2.40
Mountainside ..	..	..	..	..	..
Black River ..	1.93	0.58	8	9	4.20
Font Hill ..	5.00	1.80	13	11	4.46
Mount Edgecombe	4.55	1.05	6	14	5.51
Sweet River ..	8.03	2.90	15	11	5.78
Windsor Sav-la-Mar	6.41	1.32	15	14	5.11
Orchard ..	9.51	2.11	15	14	6.06
Sav-la-Mar ..	5.38	1.83	21	15	5.21
Little London ..	3.79	1.45	23	9	..
Retreat ..	4.50	0.87	23	12	5.02
Negril Point L.H.	2.20	0.49	21	11	2.92

NOTE.

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

DIVISIONAL AND ISLAND RAINFALL	April. 1923	April. Average
	In	In
North-Eastern Division ..	4.07	6.21
Northern " ..	1.95	3.34
West-Central " ..	6.04	7.06
Southern " ..	3.79	3.50
The Island ..	3.96	5.03

SHOCKS OF EARTHQUAKE IN APRIL, 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
		No	Earthquakes reported this month

The rainfall was again below the average. The heaviest fall for the month was 14.38 inches at Springfield, St. Elizabeth. No rain fell at Bull Bay—4.30 inches were recorded at Askenish on the 6th but most of the heaviest falls were recorded on or after the middle of April.

It is requested that contributors send all cards to the Weather Office, Kingston, instead of Montego Bay for the future.

C. MAXWELL HALL,
Acting Government Meteorologist.

Montego Bay,
23rd May, 1923.

RAINFALL FOR MARCH.

The following was accidentally omitted from W. Report, No. 544.

The mean rainfall for the month was two-thirds of the average.

For the month the greatest fall was 7.09 ins. at Retreat, in the Southern Division.

No rainfall was reported from Deeside in the West Central Division, and Bull Bay and Mavis Bank in the Southern Division.

In 24 hours the greatest fall of 4.44 ins. was registered at Kempshot.

The greater part of the rain appears to have fallen between the 15th and 20th.

J. E. B.

1st June, 1923.

No. 546.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

MAY, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus

METEOROLOGICAL RESULTS

Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature				
		7 a.m.	3 p.m.	7 a.m	3 p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.921	29.897	79.6	82.5	85.1	75.1	10.0	87.0	3*	68.7	1	18.3
Kingston ..	24	29.907	29.867	77.0	83.6	86.3	73.3	13.0	89.1	3	67.5	23	21.6
Negril Pt. Light House.	33	29.896	29.861	78.0	82.5	86.1	72.7	13.4	91.5	4	67.9	21	23.6
Castleton Gardens ..	496	..	..	69.3	78.5	82.9	68.0	14.9	90.0	20	65.0	17	25.0
Hope Gardens† ..	668	29.981	29.880	73.8	81.0	84.3	70.1	14.2	88.0	17	66.0	22	22.0
Stony Hill Indus. School	1,400	..	..	68.5	76.3	87.4	68.1	19.3	90.0	26	67.0	5*	23.0
Hill Gardens ..	4,900	25.263	25.248	63.3	64.7	67.9	56.6	11.3	71.0	4*	54.0	23	17.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	73.1	81	73.2	74	10.09	..	E	15	E	16	3.2	1.9	1.1	3.4	2.5	1.0
Kingston	24	69.9	79	69.6	79	4.88	230	ESE	7.2	SE	16.1	2.7	0.4	1.9	5.0	0.8	2.0
Negril Point Light House‡	33	71.8	81	73.4	74	6.23	272	E	8.3	SE	13.1	1.3	2.4	4.1	2.3	3.9	1.8
Castleton Gdns.	496	67.5	97	74.6	88	11.37	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69.6	85	73.1	77	13.87	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	62.6	82	76.2	84	9.24	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	59.6	90	61.8	90	10.03	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡Negril Point Light House Wind 11 p.m. E. 6.8

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Weather Bureau

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition.

North-Eastern Division.	May, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal	13.08	3.00	22	18	14.53
Bath	15.83	4.64	22	23	13.08
Priestman's River	17.35	6.60	22	9	
Moore Town	9.85	3.00	22	17	18.97
Port Antonio	9.52	5.50	22	16	15.62
Fellowship	11.52	5.56	22	18	18.54
Johnson River Bridge	14.06	4.20	22	23	9.97
Cedar Valley, St. Thos.	19.31	4.60	21	20	9.75
Hill Gardens	10.03	3.68	22	13	10.43
Hope Bay	15.75	11.00	22	7	
Spring Garden	6.01	3.43	23	10	8.98
Buff Bay	7.43	4.00	22	7	8.49
Greenvale					
Belvedere, Portland	9.51	3.50	22	10	
Mt. Holstein	18.33	4.23	22	17	9.29
Rose Hill	16.35	4.30	9	11	14.02
Hardware Gap	16.49				11.92
Stony Hill Ind. Sch	9.24	1.75	22	12	9.82
Castleton Gardens	11.37	4.25	22	21	
Lawrence Tavern	14.18	3.62	22	16	9.34
Zion Hill	23.75	6.10	9	11	
Agualta Vale	8.31	2.93	22	11	6.19
Water Valley	9.49	2.49	22	11	7.73
Platfield	9.58	2.76	22	15	9.96
Richmond, St. Mary	9.01	2.85	22	16	7.66
Hampstead St. Mary	8.00	2.95	11	18	8.38
Windsor Castle	15.49	5.32	22	18	
Guy's Hill	4.91	1.10	15	7	
Lucky Hill	18.51	3.35	18	14	8.91
Rio Hoe	9.71	1.85	22	10	8.18
Unity Valley	8.69	1.93	22	17	9.97
Moneague	9.26	2.20	22	18	8.37
Claremont	8.19	1.35	22	11	7.14
Albion, St. Ann	6.96	1.55	22	16	8.37
Averham Park	7.81	1.27	22	15	7.58

Northern Division.	May, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average
	In.	In.			In.
Port Maria	9.19	5.28	11	9	6.70
Ocho Rios	5.08	1.25	21	6	5.80
Bogue, Ocho Rios	5.46	1.30	22	12	5.99
Rockfield	6.38	1.38	20	15	7.56
Drax Hall					
Liberty Hill	4.80	1.10	22	8	4.88
St. Ann's Bay	5.22	1.16	22	12	5.69
Seville					
Richmond Estate					
Llandovery	4.36	1.40	15	9	
Runaway Bay	1.63	0.35	22	7	
Brown's Town	11.04	2.11	20	18	6.96
Alexandria	6.71	1.48	22	12	
Watt Town, St. Ann	7.86	1.70	9	9	
Home Castle	6.95	1.95	4	15	5.83
Richmond Pen	9.10	1.40	31		7.65
Bryan Castle	5.50	1.50	21	15	5.23
Braco	4.75	0.70	15	14	4.57
Arcadia	6.70	1.55	21	13	5.04
Vale Royal					
Harmony Hall	6.52	1.33	15	17	4.68
Duncans	6.07	1.30	25	9	
Colchis Pen	5.34	0.70	13	14	
Carey Park					
Clark's Town	5.30	1.30	4	15	
Springfield					
Falmouth	3.71	1.88	25	13	4.82
Good Hope	9.47	2.00	25	16	
Schawfield	9.02	1.81	17	14	
Hampden	8.68	1.75	25	12	7.59
Guilsbro					
Success	3.55	1.15	19	7	4.51
Cinnamon Hill	3.65	1.10	19	8	5.11
Rose Hall	3.25	0.90	19	6	4.44
Tryall	3.50	0.80	21	11	
Running Gut	3.45	0.75	19	7	5.14
Spring Estate	4.10	0.90	25	10	4.57
Montego Bay	6.56	1.55	21	16	7.44
Friendship	10.16	3.33	21	12	
Retirement	12.17	3.61	21	18	
King Gate	3.50	0.80	19	13	8.81
Blue Hole	19.19	4.03	24	16	
Kew					
Haughton Court	10.60	1.60	18	16	8.33
Lucea	11.19	1.85	9	17	8.16
Cousins Cove					
Green Island	14.60	1.77	15	18	
Central Sub-Division					
Rio Magno					
Riversdale	9.93	2.50	18	16	
Headworks, Rio Cobre	7.39	2.90	22	4	7.95
Linstead	7.50	1.74	22	13	10.09
Berkshire Hall					
Point Hill	7.54	2.83	22	9	12.68
Bellas Gate	10.23	2.67	8	8	
Croft Hill	9.17	2.20	22	11	8.14
Chapelton	10.98	2.30	22	16	9.12
Frankfield	7.59	1.50	21	11	
Trout Hall					
Crooked River	6.38	1.36	18	12	

West-Central Division.	May, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	10.06	3.50	22	16	12.15
Spaldings	15.94	3.80	8	19	..
Brokenhurst	15.64	3.73	10	22	10.19
Christiana	10.18	2.10	22	16	11.53
Chudleigh	10.25	2.30	10	17	11.26
Shooter's Hill	10.93	2.24	22	17	7.89
Kendal, Manchester	10.59	2.23	22	17	10.95
Clifton Hill	18.06	2.94	22	17	..
Marshalls Pen	12.97	3.41	10	17	10.77
Mandeville	14.32	2.52	22	23	10.88
Carlton, Mandeville	13.09	2.29	6	20	..
Ulster Spring	10.47	1.55	4	19	11.97
Albert Town	2.50	1.65	10	15	11.14
Lowe River	13.67	3.10	8	8	11.43
Troy	12.30	2.30	8	13	16.06
Warsop	14.50	2.50	8	12	..
Balaclava Police Station	15.29	3.55	9	12	12.78
Wallingford	14.09	3.34	9	17	12.25
Magotty	10.11	1.74	10	13	14.31
Deeside	12.94	2.73	25	17	..
Springfield, St. Elizabeth	16.22	3.85	19	15	..
Bandon Pen	17.96	5.60	25	18	..
Kempshot	12.03	3.14	21	19	10.32
Cambridge, St. James	11.67	2.30	25	20	13.71
Kew Park	14.86	2.04	12	18	12.82
New Market, Police Station	18.92	4.30	19	12	11.11
The Bog, New Market	20.76	3.56	20	15	13.68
Bethel Town	20.07	2.40	20	20	..
Montpelier	..	..	..	..	..
Ramble	17.42	2.70	12	18	..
Burnt Ground	12.66	2.25	22	22	13.21
Knockalva	15.06	2.12	10	18	12.41
Petersville	4.97	2.20	11	16	11.39
Darliston	8.87	1.37	21	17	16.74
Bluefields	..	..	..	..	..
Whithorn	10.39	1.31	12	16	13.87
Water Works Pen	9.16	1.50	11	16	11.70
Askenish	13.20	3.30	18	15	..
Grange Hill	16.52	3.96	16	19	13.18
King's Vale Police Station	9.45	1.80	18	14	11.43

Southern Division.	May, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	10.09	4.87	22	20	9.35
Pleasant Hill	13.95	5.40	22	13	..
East Prospect	10.44	6.31	22	22	10.10
Morant Bay	8.93	4.77	22	19	7.59
Easington	8.09	3.65	22	20	6.82
Bull Bay	1.10	0.56	23	2	3.83
Mavis Bank	9.50	2.50	22	11	..
Bellevue	11.83	3.71	22	18	9.41
Gordon Town	10.42	3.18	22	9	7.83
Irish Town	9.90	..	..	..	6.87
Hope Gardens	13.87	4.82	9	10	6.47
King's House Gar.	8.35	3.00	9	6	6.34
Melrose	..	..	..	..	..
Half-way Tree	11.69	4.65	9	10	5.01
Lunatic Asylum	4.39	2.79	22	11	3.70
N.E. Kingston	5.01	3.00	22	9	4.14
Kingston P.W.O.	4.88	3.04	22	11	4.39
Upper Kingston	5.26	3.13	22	10	..
Plumb Point L.H.	5.92	3.80	22	8	4.96
Clifton Pen	5.35	3.00	22	6	4.83
Hematine	6.79	2.91	22	10	..
Quarantine Station	4.90	3.21	22	9	4.31
Spanish Town	7.10	2.95	22	7	6.21
Hog Hole, St. Catherine	9.46	3.00	22	6	7.16
Hartlands	..	..	..	..	..
Old Harbour	7.29	3.22	22	8	6.08
May Pen	9.43	2.59	22	12	7.21
Dry River, Vere	9.38	3.22	23	12	5.61
Toll Gate	..	..	..	..	..
New Yarmouth	10.20	3.39	22	12	5.50
Cottage	8.73	3.40	22	14	..
Milk River	8.90	3.08	25	12	6.45
Retrieve	12.35	3.00	22	19	..
Hog Hole, S. Man.	14.20	3.25	22	19	..
Stone's Hope	13.38	3.39	11	20	9.06
Newport, Manchester	11.38	2.85	22	21	8.64
Great Valley, Man.	11.28	2.30	11	15	6.86
Alligator Pond	9.05	2.80	11	9	5.62
Fairfield	13.96	3.50	8	23	8.13
Southfield, St. Elizabeth	7.09	2.80	22	11	7.99
Lititz	6.19	2.27	22	9	6.98
Torrington	5.85	1.37	22	10	7.06
Bethlehem, St. Eliz.	7.84	4.00	22	9	7.82
Santa Cruz	13.01	3.72	10	11	12.01
Pedro Plains Police Stn.	4.52	1.94	22	6	..
Mountainside	..	..	..	..	..
Black River	9.23	1.65	22	11	6.89
Font Hill	12.35	4.45	10	14	7.78
Mount Edgecombe	9.33	2.07	11	17	8.29
Sweet River	9.13	1.60	19	18	9.71
Windsor Sav-la-Mar	11.08	2.30	19	19	9.25
Orchard	10.05	2.69	19	19	9.02
Sav-la-Mar	7.78	1.78	19	17	8.52
Little London	10.97	2.83	19	16	..
Retreat	12.46	2.75	19	15	8.88
Negril Point L.H.	6.23	1.51	20	15	6.19

NOTES

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

DIVISIONAL AND ISLAND RAINFALL	May 1923	May Average
	In	In
North-Eastern Division ..	11.29	10.39
Northern " ..	6.64	6.95
West-Central " ..	12.10	12.38
Southern " ..	8.92	6.78
The Island ..	9.74	9.12

SHOCKS OF EARTHQUAKES IN MAY, 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
		No	Earthquakes reported this month

The mean rainfall for the month, for the whole Island, was slightly over the average. The "Season" rains were well distributed. In the Southern Division, where it was pronounced, the precipitation was about twelve per cent, in excess of its average.

On or about the 6th a shallow depression, with a barometric pressure of 0.09 inch below the mean, was apparent, which resulted in heavier showers from 8th to 11th. Then there was evidence of another depression occurring on the 21st, which indicated a bar. pressure of 0.11 inch below the mean giving a preponderance of rain on the 22nd, and it was very marked in the North-eastern and Southern Divisions. The records shew a general average of 14 rainy days, including all the stations, and the West-central Division had an average number of 17 rainy days.

The greatest fall during the month was 23.75 ins. at Zion Hill, in the North-eastern Division.

Rain was registered at all reporting stations.

In 24 hours 11.00 ins. fell at Hope Bay, in the North-eastern Division, on the 22nd.

N.B.—Contributors are requested to be so good as to address all rainfall post-cards, and other correspondence to the Weather Office, Kingston, instead of Montego Bay, for the future: the latter Office having ceased to be maintained from 1st June inst.

J. F. BRENNAN,
Government Meteorologist.

June 18, 1923.

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No. 547.

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WEATHER REPORT.

FOR THE MONTH OF

JUNE, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature				
		7 a.m.	3 p.m.	7 a.m	3 p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.990	29.964	81.4	84.3	85.8	77.9	7.9	87.8	22	74.8	30	13.0
Kingston	24	29.959	29.911	77.7	86.4	89.4	73.7	15.7	93.1	25	71.1	9	22.0
Negril Pt. Light House	33	29.957	29.925	77.9	83.9	87.1	71.4	15.7	90.5	30	68.8	22	21.7
Castleton Gardens ..	496	..	..	68.3	83.1	89.6	67.3	22.3	95.0	27*	65.0	2*	30.0
Hope Gardens† ..	668	29.994	29.918	75.3	86.3	88.8	70.0	18.8	93.0	26*	68.0	1*	25.0
Stony Hill Indus. School	1,400	..	..	69.8	79.6	87.8	67.9	19.9	90.0	1*	67.0	4*	23.0
Hill Gardens ..	4,900	25.320	25.283	64.6	66.6	72.1	58.1	14.0	77.0	27	56.0	30	21.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	73.0	76	73.2	73	0.63	..	EbN	21	EbN	21	1.0	2.8	1.4	0.6	3.4	1.3
Kingston	24	68.2	73	70.7	59	0.18	314.6	E	7.4	SE	22.8	0.9	0.1	3.1	1.4	0.2	3.1
Negril Point Light House‡	33	70.9	79	75.4	75	3.02	208	ENE	6.4	ESE	12.1	0.7	0.3	5.1	1.7	5.1	1.7
Castleton Gdns.	496	66.5	96.6	75.9	79.5	1.42	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63.1	78.8	71.9	63.2	0.43	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	62.6	78.0	70.0	72.7	0.61	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	60.4	84.0	62.5	87.1	0.86	..	..	..	..	..	..	..	..	..	..	..

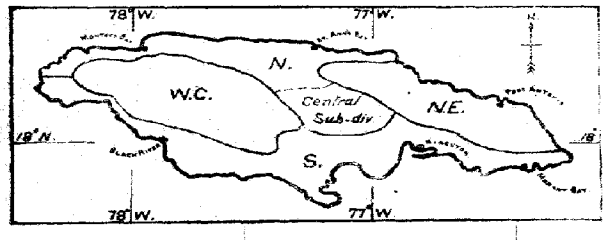
*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡Negril Point Light House Wind 11 p.m. E. 6.8

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril, the North-eastern and West-central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition and of page 20 of 1923 Edition. An outline of which is given below.



NORTH-EASTERN DIVISION. (N.E.)	June, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal	1.28	0.45	3	7	9.36
Bath ..	4.76	1.55	9	17	12.16
Priestman's River	1.84	0.60	10	7	..
Moore Town ..	10.69	3.00	9	13	21.77
Port Antonio ..	3.76	1.45	9	9	16.68
Fellowship ..	7.69	2.22	10	10	20.08
Johnson River Br.	3.42	0.53	10	15	13.68
Cedar Valley, St. Thos. ..	2.40	1.64	9	3	14.86
Hill Gardens ..	0.86	0.50	9	3	7.62
Hope Bay ..	11.25	4.00	9	4	..
Spring Garden ..	2.38	1.25	10	3	6.53
Buff Bay ..	2.49	1.93	6	3	7.50
Greenvale ..	0.00	..	..	..	4.89
Belvedere, Portland	1.25	0.50	30	4	..
Mt. Holstein ..	1.35	0.58	10	4	6.43
Rose Hill ..	0.00	..	..	..	6.40
Hardware Gap ..	0.00	..	..	..	7.12
Stony Hill Ind. Sch	0.61	0.34	8	3	7.18
Castleton Gardens	1.42	0.62	9	5	9.37
Lawrence Tavern ..	0.74	0.45	9	2	6.77
Zion Hill ..	0.60	0.50	9	2	..
Agualta Vale ..	0.43	0.20	9	3	3.59
Water Valley ..	0.20	0.20	10	1	4.28
Platfield ..	0.81	0.60	15	3	7.40
Richmond, St. Mary	0.42	0.18	9	3	5.34
Hampstead St. Mary	0.20	0.15	3	2	4.47
Windsor Castle ..	1.59	0.39	10	8	5.95
Guy's Hill ..	1.98	0.83	9	4	..
Lucky Hill ..	0.24	0.24	22	1	4.32
Rio Hoe ..	2.40	1.00	9	4	8.29
Unity Valley ..	5.54	0.87	19	11	8.18
Moneague ..	5.21	0.84	9	12	7.96
Claremont ..	2.32	0.65	6	5	5.66
Albion, St. Ann ..	3.70	1.54	9	9	6.43
Averham Park ..	1.59	0.50	4	7	5.62

NORTHERN DIVISION. (N.)	June, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ..	6.66	0.30	10	3	5.44
Ocho Rios ..	0.44	0.28	29	2	3.94
Bogue, Ocho Rios	0.70	0.50	10	3	4.52
Rockfield ..	2.56	1.45	4	5	3.73
Drax Hall ..					4.73
Liberty Hill ..	1.50	1.00	4	4	4.35
St. Ann's Bay ..	0.15	0.10	4	2	4.03
Seville ..					4.51
Richmond Estate					4.54
Llandovery					4.26
Runaway Bay ..	0.36	0.21	9	2	
Brown's Town ..	0.90	0.35	22	5	4.00
Alexandria ..	1.34	0.54	19	3	
Watt Town, St. Ann	0.60	0.50	12	2	
Home Castle ..	0.40	0.30	10	2	3.94
Richmond Pen ..	1.90	1.45	30	2	5.03
Bryan Castle ..	0.25	0.25	2	1	3.30
Braco ..	0.95	0.60	2	4	2.93
Arcadia ..	1.20	1.00	20	3	4.00
Vale Royal					4.35
Harmony Hall ..					2.82
Duncans ..	0.00	..	..	..	
Colchis Pen	1.53	0.85	10	3	4.59
Carey Park ..					
Clark's Town ..	4.20	1.30	20	7	
Springfield ..					
Falmouth ..	0.59	0.29	9	3	2.55
Good Hope ..	1.85	0.34	25	9	
Schawfield ..	0.90	0.29	19	5	
Hampden ..					5.07
Guilsbro ..					6.74
Success ..					2.44
Cinnamon Hill ..					3.10
Rose Hall ..					3.05
Tryall ..					6.84
Running Gut ..					3.11
Spring Estate					2.95
Montego Bay ..	1.39	0.74	10	5	6.44
Friendship ..	1.95	0.65	10	5	
Retirement ..	3.01	1.12	10	6	
King Gate ..	0.55	0.45	9	2	7.64
Blue Hole ..	6.70	3.85	9	8	
Kew ..					8.37
Haughton Court ..	3.80	1.60	17	7	8.40
Lucea ..	4.14	1.72	17	8	8.28
Cousins Cove ..					
Green Island ..	11.57	2.47	21	13	
CENTRAL SUB-DIVISION					
Rio Magno					
Riversdale ..	1.79	0.60	15	9	5.45
Headworks, Rio Cobre ..					
Linstead ..	2.34	1.26	9	7	7.89
Berkshire Hall ..					8.34
Point Hill ..	0.85	0.85	9	1	9.99
Bellas Gate ..	9.00	..	..	..	
Croft Hill ..	0.39	0.39	4	1	4.60
Chapelton ..	0.33	0.18	3	2	6.79
Frankfield ..	0.88	0.35	15	3	
Trout Hall ..					6.37
Crooked River ..	0.00	..	..	..	

WEST-CENTRAL DIVISION. (W.C.)	June, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	0.33	0.19	10	2	8.15
Spaldings	0.43	0.15	15	4	
Brokenhurst	2.28	0.85	10	6	11.50
Christiana	0.35	0.26	9	3	6.88
Chudleigh	0.48	0.10	10	5	5.60
Shooter's Hill	0.68	0.34	8	3	5.54
Kendal, Manchester	0.56	0.40	10	2	8.30
Clifton Hill	1.52	0.70	10	4	
Marshalls Pen	0.85	0.31	10	4	7.03
Mandeville	2.18	0.65	3	8	8.83
Carlton, Mandeville	2.39	0.85	2	5	
Ulster Spring	1.58	1.12	9	2	6.28
Albert Town	1.42	1.30	9	2	5.77
Lowe River	0.35	0.35	9	1	6.22
Troy	7.65	2.25	15	7	8.12
Warsop	0.75	0.65	4	2	
Balaclava Police Station	0.48	0.38	15	2	4.84
Wallingford	0.23	0.19	8	2	5.74
Magotty	2.00	1.16	8	3	6.51
Deeside	3.50	1.15	25	9	
Springfield, St. Elizabeth	5.11	2.90	30	5	
Bandon Pen	4.42	2.50	21	12	
Kempshot					8.71
Cambridge, St. James	8.85	2.45	8	16	10.59
Kew Park					9.26
New Market, Police Station	5.49	3.21	30	4	8.25
The Bog, New Market	3.97	1.37	30	9	9.00
Bethel Town	5.33	2.45	8	12	
Montpelier					
Ramble	9.06	1.78	21	13	
Burnt Ground	4.65	1.15	29	6	10.84
Knockalva	7.06	1.90	18	11	10.16
Petersville	4.16	2.70	8	5	7.74
Darliston	3.62	1.42	8	8	10.43
Bluefields	2.15	1.55	14	4	10.50
Whithorn	3.27	1.00	9	5	9.97
Water Works Pen	2.91	1.30	9	9	9.69
Askenish	10.35	2.35	21	12	
Grange Hill	6.85	2.21	15	11	10.80
King's Vale Police Station	8.33	2.15	20	10	12.27

SOUTHERN DIVISION. (5.)	June, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	0.63	0.37	30	7	6.21
Pleasant Hill	0.50	0.20	3	5	
East Prospect	1.54	0.45	9	14	7.78
Morant Bay	1.60	0.36	15	12	8.71
Easington	3.19	1.30	9	10	8.69
Bull Bay	0.00	..	..	..	4.99
Mavis Bank	0.00	..	..	..	..
Bellevue	0.74	0.44	2	3	4.12
Gordon Town	0.00	..	..	..	5.18
Irish Town	0.00	..	..	..	5.10
Hope Gardens	0.43	0.30	9	5	5.22
King's House Gar.	0.00	..	..	..	4.63
Melrose					
Half-way Tree	0.52	0.30	30	2	3.93
Lunatic Asylum	0.29	0.28	30	2	4.61
N.E. Kingston	0.34	0.16	30	4	3.92
Kingston P.W.O.	0.18	0.06	10	4	4.10
Upper Kingston	0.49	0.43	8	4	
Plumb Point L.H.	1.08	0.31	30	5	4.38
Clifton Pen	0.00	..	..	..	5.01
Hematine	0.18	0.18	30	1	
Quarantine Station	0.03	0.03	3	1	3.52
Spanish Town	0.36	0.36	30	1	4.71
Hog Hole, St. Catherine	0.34	0.34	8	1	5.24
Hartlands	0.00	..	..	..	5.72
Old Harbour	0.55	0.50	10	2	6.32
May Pen	1.89	1.35	30	5	6.25
Dry River, Vere	0.63	0.24	8	3	4.39
Toll Gate	0.00	..	..	..	3.77
New Yarmouth	0.43	0.21	4	3	5.71
Cottage	0.62	0.40	2	4	
Milk River	0.70	0.47	9	2	6.37
Retrieve	0.32	0.18	3	2	
Hog Hole, S. Man.	1.02	0.56	3	4	
Stone's Hope	1.32	0.45	2	7	8.63
Newport, Manchester	2.26	0.71	3	7	8.45
Great Valley, Man.	0.53	0.31	2	3	7.15
Alligator Pond	0.30	0.20	3	2	4.59
Fairfield	1.10	0.48	9	5	6.44
Southfield, St. Elizabeth	0.19	0.19	3	1	3.40
Lititz	0.00	..	..	..	2.24
Torrington	0.00	..	..	..	3.55
Bethlehem, St. Eliz.	0.51	0.40	8	3	4.23
Santa Cruz	0.12	0.12	2	1	5.82
Pedro Plains Police Stn.	0.00	..	..	..	2.69
Mountainside					
Black River	1.26	0.95	8	3	3.82
Font Hill	3.30	2.75	8	3	5.14
Mount Edgecombe	3.36	1.14	8	9	6.35
Sweet River	1.15	0.30	25	6	7.11
Windsor Sav-la-Mar	2.53	0.70	7	11	6.55
Orchard	3.06	0.67	7	10	7.00
Sav-la-Mar	1.70	0.32	7	10	6.38
Little London	1.40	0.51	9	4	
Retreat	2.78	1.20	15	4	7.10
Negril Point L.H.	3.02	1.61	15	9	5.49

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL	June. 1923	June. Average
	In	In
North-Eastern Division (N.E.) ..	2.28	8.66
Northern " (N.) ..	1.25	5.25
West-Central " (W.C.) ..	3.06	8.95
Southern " (S.) ..	0.96	5.85
The Island ..	1.89	7.18

SHOCKS OF EARTHQUAKE IN JUNE, 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
17	7.54 p.m	I	Kingston (Slight)
17	7.55 p.m	II	Stony Hill (Sharp)

The mean rainfall for the month, for the whole Island, was exceptionally deficient, being only about 26 per cent of the 50 year average.

There is no corresponding record found during the past 50 years when the month of June had such a small Island rainfall.

Taking each Division separately, it will be observed that the North-eastern with 2.28 ins., represented a little over one-quarter of its average. The Northern, with 1.25 inch, was even less than one quarter. Then the West-central, with 3.06 ins., recorded the most, showing about one-third of its average. The Southern giving only 0.96 inch, being the least, as one-sixth of the average.

There are but three other instances on record when the S. Div. was similarlly deficient: in the years 1880, 1882, and 1912.

So far, for the half year ended June, the total actual rainfall was 23½ inches, as against a possible average of 32 inches.

The greatest fall during the month was 11.57 inches at Green Island, in the Northern Div.

The greatest fall in 24 hours, 4.00 ins. occurrred at Hope Bay, in the N.E. Div. on the 9th.

No rain was registered at 17 stations, and there was a preponderance of rain between the 9th and 10th.

There was a general average of five rainy days.

J. F. BRENNAN,

Government Meteorologist.

Kingston, 17th July, 1923.

No. 549.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JULY, 1923.

LIBRARY SEP 26 1923

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus.

The rainfall is measured at 7 a. m. and entered as having fallen on the previous day.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m	3 p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.995	29.972	82.2	85.3	86.7	78.2	8.5	87.2	20	73.3	1	13.9
Kingston ..	24	29.966	29.917	77.0	87.3	91.2	73.3	17.9	94.6	27	71.2	18	23.4
Negril Pt. Light House	33	29.967	29.941	77.5	85.0	89.5	72.2	17.3	92.6	14	68.9	23	23.7
Castleton Gardens ..	496	..	..	69.1	83.0	90.6	67.9	22.7	95.0	16*	65.0	23	30.0
Hope Gardens† ..	668	29.994	29.928	75.1	85.1	91.2	70.9	20.3	94.0	8*	69.0	2*	25.0
Stony Hill Indus. School	1,400	..	...	68.7	78.3	87.5	68.2	19.3	90.0	5*	67.0	3*	23.0
Hill Gardens ..	4,900	25.330	25.279	64.2	66.8	72.2	59.5	12.7	75.0	27	58.0	2*	17.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	73.9	76	73.4	69	0.46	..	NEbE	19.5	ENE	16.2	0.8	2.4	1.7	0.5	2.6	1.5
Kingston	24	67.1	71	70.1	57	0.46	259	NNE	5.2	SE	21.3	1.7	0.0	2.0	1.5	1.2	2.7
Negril Point Light House‡	33	71.2	81	74.8	72	4.29	168	NE	6.6	Var.	9.1	0.7	0.0	4.5	0.3	5.1	0.2
Castleton Gdns.	496	66.8	93	75.3	77	1.81	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67.0	76	75.9	75	0.88	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	62.5	81	71.4	79	3.19	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	59.5	90	61.8	84	0.57	..	..	..	..	..	..	..	..	..	..	..

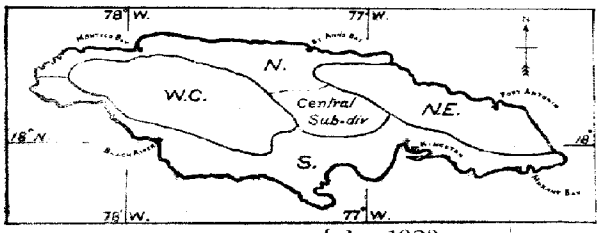
*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡Negril Point Light House Wind 11 p.m. Var. 6.0

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril, the North-eastern and West-central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition and of page 20 of 1923 Edition. An outline of which is given below.



NORTH-EASTERN DIVISION. (N.E.)	July, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Manchioneal	1.05	0.56	20	2	6.21
Priestman's River	3.81	1.38	15	4	
Bath ..	1.62	0.27	19	13	8.76
Millbank ..	1.50	0.30	19	5	..
Moore Town ..	6.80	2.00	31	10	17.72
Port Antonio ..	3.77	0.93	19	8	10.84
Fellowship ..	4.20	1.10	1	14	15.06
Johnson River Br.	2.10	0.50	15	10	7.03
Hope Bay ..	2.40	0.62	1	7	
Cedar Valley, St. Thos.	0.52	0.30	15	2	4.79
Greenvale ..	..	..	..	..	
Spring Garden ..	2.47	0.95	1	7	5.49
Hill Gardens ..	0.57	0.27	15	3	3.64
Buff Bay ..	1.95	0.80	1	5	6.93
Belvedere, Portland	1.16	0.43	15	5	
Mt. Holstein ..	0.96	0.52	5	5	5.24
Hardware Gap ..	3.54	..	..	..	4.19
Rose Hill ..	5.44	4.52	3	4	5.92
Stony Hill Ind. Sch	3.19	0.75	3	10	5.16
Agualta Vale ..	2.12	0.75	15	5	3.62
Castleton Gardens	1.81	1.15	4	10	6.12
Water Valley ..	1.71	0.62	21	3	3.52
Lawrence Tavern ..	2.84	1.58	3	7	5.45
Platfield ..	1.88	0.88	5	4	3.33
Richmond, St. Mary	1.59	0.50	5	7	3.54
Zion Hill ..	3.39	1.50	13	4	
Hampstead St. Mary	1.72	0.60	1	4	3.61
Windsor Castle ..	2.25	0.65	5	6	
Guy's Hill ..	1.00	0.66	3	3	
Lucky Hill ..	1.74	0.95	20	5	3.60
Rio Hoe ..	1.66	0.70	21	3	4.24
Unity Valley ..	2.45	0.56	21	9	5.59
Moneague ..	2.92	1.22	21	10	4.52
Claremont ..	0.90	0.40	22	3	3.35
Averham Park ..	0.96	0.34	20	10	3.06
Albion, St. Ann ..	2.40	0.66	4	9	4.09

NORTHERN DIVISION. (N.)	July, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ..	1.94	0.56	1	6	4.05
Ocho Rios ..	1.06	0.50	15	3	2.24
Bogue, Ocho Rios	0.85	0.30	21	4	2.89
Drax Hall ..					2.89
Rockfield ..	0.55	0.20	20	6	3.39
Liberty Hill ..	0.30	0.20	16	2	2.33
St. Ann's Bay ..	0.39	0.34	15	2	3.01
Seville ..					2.53
Richmond Estate	0.27	0.20	15	2	2.31
Llandovery ..					2.09
Runaway Bay ..	0.11	0.11	2	1	
Alexandria ..	1.45	0.48	4	6	
Brown's Town ..	1.94	1.54	4	2	2.55
Watt Town, St. Ann	1.93	0.70	15	5	
Home Castle ..	0.75	0.70	4	2	2.20
Richmond Pen ..	1.15	0.45	31	4	3.12
Bryan Castle ..	0.10	0.15	21	1	1.83
Braco ..	0.15	0.15	21	1	1.65
Arcadia ..					2.22
Vale Royal ..					2.76
Harmony Hall ..					1.55
Colchis Pen ..	0.70	0.25	4	4	3.04
Duncans ..	0.58	0.50	20	2	
Clark's Town ..	0.30	0.30	3	1	
Carey Park ..					
Springfield ..					
Falmouth ..	0.82	0.28	15	4	1.54
Good Hope ..	2.80	0.75	1	8	
Schawfield ..	1.56	0.35	26	6	
Hampden ..					2.93
Success ..	0.50	0.40	15	2	1.49
Guilsbro ..					4.80
Rose Hall ..	0.30	0.20	15	2	1.29
Cinnamon Hill ..	0.40	0.30	15	2	1.34
Tryall ..	0.30	0.25	15	2	4.92
Running Gut ..	0.15	0.15	15	1	1.33
Spring Estate ..	0.15	0.15	15	1	1.87
Friendship ..	1.59	0.30	27	9	
Retirement ..	2.23	0.53	27	10	
Montego Bay ..	3.30	1.43	4	8	3.46
King Gate ..	3.24	0.80	4	13	4.69
Blue Hole ..	10.05	3.63	3	11	
Kew ..					5.35
Lucea ..	3.37	0.53	3	14	5.43
Haughton Court ..	4.55	0.80	27	11	4.97
Cousins Cove ..					
Green Island ..	6.56	1.12	15	15	
CENTRAL SUB-DIVISION					
Rio Magno ..					
Riversdale ..	4.74	2.41	22	12	
Headworks, Rio Cobre ..	0.09	0.06	2	2	3.34
Berkshire Hall ..					4.84
Linstead ..	4.36	1.46	16	8	6.21
Point Hill ..	5.43	2.00	29	6	6.72
Bellas Gate ..	0.00	..	..	..	
Croft Hill ..	4.12	1.64	2	6	3.10
Chapelton ..	3.30	1.81	2	7	3.35
Crooked River ..	1.51	0.38	23	6	
Trout Hall ..					5.02
Frankfield ..	2.37	0.70	12	5	

WEST-CENTRAL DIVISION. (W.C.)	July, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	2.55	1.04	12	5	3.99
Spaldings	4.26	0.92	28	12	
Brokenhurst	0.59	0.19	15	5	5.23
Shooter's Hill	4.87	2.10	2	7	5.20
Lowe River	3.77	1.37	3	9	4.16
Christiana	2.68	0.52	27	11	4.40
Clifton Hill	3.34	1.83	2	5	
Kendal, Manchester					5.52
Carlton, Mandeville	1.10	0.33	11	5	
Mandeville	2.78	1.53	2	8	5.44
Chudleigh	3.79	0.90	30	12	4.27
Ulster Spring	8.56	3.30	3	8	5.12
Marshalls Pen	1.54	0.67	2	4	5.05
Albert Town	7.45	3.60	3	4	4.90
Warsop	8.05	2.90	3	10	
Troy	4.85	1.40	28	8	6.93
Wallingford	3.08	1.50	4	9	5.44
Balaclava Police Station	3.57	1.29	4	8	4.67
Deeside	4.95	2.55	1	10	
Magotty	7.71	2.10	28	9	8.41
Kempshot					5.88
Bandon Pen	7.80	1.35	29	11	
Springfield, St. Elizabeth	7.95	1.92	25	13	
Cambridge, St. James	5.17	0.90	27	16	10.37
New Market, Police Station	8.47	1.85	25	15	7.53
Kew Park	10.01	1.90	27	15	10.00
Montpelier					
The Bog, New Market	9.60	1.87	15	17	9.25
Petersville	10.33	5.10	27	16	7.46
Bethel Town	17.33	3.30	1	19	
Burnt Ground	5.10	2.00	1	6	9.04
Darliston	15.99	3.16	24	19	11.25
Knockalva	7.07	1.45	27	14	8.28
Ramble	7.04	2.00	27	13	
Bluefields	8.48	1.85	29	12	9.68
Whithorn	5.31	0.90	1	12	10.36
Water Works Pen	7.16	1.20	1	18	9.14
Askenish	6.89	2.15	2	12	
Grange Hill	6.47	1.17	29	4	11.58
King's Vale Police Station	7.53	1.50	2	12	10.46

SOUTHERN DIVISION. (S.)	July, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	0.46	0.14	1	10	3.40
Pleasant Hill	1.06	0.45	1	5	
East Prospect	1.24	0.48	26	8	5.19
Morant Bay	1.55	0.63	26	6	5.61
Easington	1.45	0.75	15	7	5.43
Mavis Bank	0.00	..	..	..	
Bull Bay	0.00	..	..	..	2.09
Bellevue	0.22	0.15	15	2	2.04
Gordon Town	1.58	1.58	3	1	2.49
Irish Town	1.00				1.62
Hope Gardens	0.88	0.69	3	4	2.59
Lunatic Asylum	0.82	0.78	3	3	1.31
Plumb Point L.H.					1.86
King's House Gar.	1.30	1.30	3	1	2.61
N.E. Kingston	0.74	0.70	3	2	1.21
Upper Kingston	0.72	0.67	3	2	
Melrose					
Kingston P.W.O.	0.46	0.44	2	2	1.62
Half-way Tree	0.22	0.22	3	1	1.59
Clifton Pen	0.24	0.14	3	3	1.32
Quarantine Station	0.53	0.45	3	3	5.91
Hematine	0.12	0.04	3	3	
Spanish Town	0.10	0.06	3	2	2.10
Hog Hole, St. Catherine	0.15	0.15	3	1	2.40
Hartlands	0.30	0.30	3	1	0.98
Old Harbour	0.32	0.32	3	1	2.23
May Pen	1.60	1.46	14	2	3.04
Dry River, Vere	0.20	0.10	16	2	1.43
New Yarmouth	0.00	..	..	..	1.98
Cottage	0.00	..	..	..	
Toll Gate	0.16	0.16	12	1	2.16
Milk River	0.00	..	..	..	2.03
Retrieve	0.00	..	..	..	
Hog Hole, S. Man.					
Stone's Hope	0.18	0.18	15	1	3.84
Newport, Manchester	0.74	0.37	15	3	3.54
Great Valley, Man.	0.08	0.08	14	1	3.11
Alligator Pond					2.26
Fairfield	0.84	0.30	2	4	2.58
Lititz	0.39	0.26	14	2	1.52
Southfield, St. Elizabeth	0.17	0.12	15	2	1.88
Bethlehem, St. Eliz.	1.62	0.60	25	6	3.90
Torrington	0.27	0.27	5	1	2.35
Santa Cruz	4.00	1.21	12	8	5.20
Pedro Plains Police Stn.	0.00	..	..	..	1.56
Mountainside					
Black River	4.40	1.72	12	8	4.70
Font Hill	5.76	1.20	24	8	5.46
Mount Edgecombe	5.81	1.71	2	14	6.91
Sweet River	7.29	1.20	25	16	7.61
Windsor Sav-la-Mar	6.65	2.20	28	14	7.04
Sav-la-Mar	5.41	0.95	28	15	6.19
Orchard	7.03	2.85	28	13	7.71
Little London	11.21	5.53	28	12	
Retreat	9.47	2.50	24	14	7.54
Negril Point L.H.	4.89	1.90	28	13	5.70

NOTES

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

Divisional and Island Rainfall	July. 1923	July. Average
	In	In
North-Eastern Division (N.E.) ..	2.32	5.68
Northern " (N.) ..	1.53	3.22
West-Central " (W.C.) ..	5.98	7.52
Southern " (S.) ..	1.82	3.18
The Island ..	2.81	4.90

Shocks of Earthquake in July, 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
9	11.45 p.m.	I	Kingston (Slight)

The mean rainfall for the month was again deficient, being only about 60 per cent. of the 50-year average.

The North-eastern Division with 2.28 ins. had only a little over 40 per cent. of its average. The Northern with 1.53 in., had 47 per cent. of its average. The West-central with 5.98 ins. was much the best, being 79 per cent. of its average. The Southern had 1.82 in. or 57 per cent. of its average.

The greatest fall for the month was 17.33 ins., at Bethel Town in the West-central Div.

In 24 hours the greatest fall was 5.58 ins. at Little London, in the Southern Div. on the 28th.

No rain was registered at eight stations, seven of which were in the Southern Div. and one in the Northern.

The rainfall was fairly well distributed over the Island during the month. The average number of rainy days being six in the N.E. Div., five in the N., eleven in the W.C. Div. and four in the S. The greatest amount appears to have fallen in the first five days, and again in the middle and towards the end of the month, with a marked preponderance on the 3rd and 15th.

Heavy wind-storm, lasting about half an hour, with hail occurred on the 10th at Kew Park.

N.B.—It is particularly requested that all Rainfall Post Cards be sent to the Weather Office, Kingston, immediately after the close of each month, in order that the publication of results may not be delayed.

J. F. Brennan,
Govt. Meteorologist.

Kingston, August 23rd, 1923.

No. 549.

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WEATHER REPORT.

FOR THE MONTH OF

AUGUST, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m	3 p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.987	29.955	82.5	83.8	87.5	78.3	9.2	88.9	28	72.9	2	16.0
Kingston ..	24	29.962	29.906	78.1	87.3	92.6	73.9	18.7	97.8	11	71.2	17	26.2
Negril Pt. Light House	33	29.963	29.927	77.5	85.0	89.2	72.8	16.4	91.7	28	69.8	1*	21.9
Castleton Gardens ..	496	..	..	70.0	83.3	90.5	69.2	21.3	96.0	5*	62.0	11*	34.0
Hope Gardens† ..	668	29.985	29.911	75.1	87.4	91.4	71.4	20.0	95.0	5*	69.0	1	26.0
Stony Hill Indus. School	1,400	..	..	69.4	78.8	87.6	68.1	19.5	90.0	2*	67.0	1*	23.0
Hill Gardens .	4,900	25.308	25.252	64.0	67.4	71.5	58.9	12.6	78.0	16	57.0	22*	21.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft	°		°		in.	Mls.		m.		m.	L.	M	U.	L.	M.	U.
Morant Pt. Light House	8	74.7	77	74.1	68	0.84	305	NE½E	17	NE½E	16	1.1	2.5	1.1	0.3	2.3	2.4
Kingston	24	67.7	71	70..	58	0.77	256	NNE	3.8	SE	18	1.3	0.1	2.3	2.8	1.3	3.3
Negril Point Light House‡	33	73.0	86	78.4	81	4.82	168	ENE	7.0	ESE	9.3	0.3	0.7	3.5	1.3	7.4	0.0
Castleton Gdns.	496	68.2	93	74	72	2.70	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67.2	76	74	63	1.95	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	65.5	87	72.8	82	3.12	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	59.3	80	61.3	81	1.48	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡Negril Point Light House

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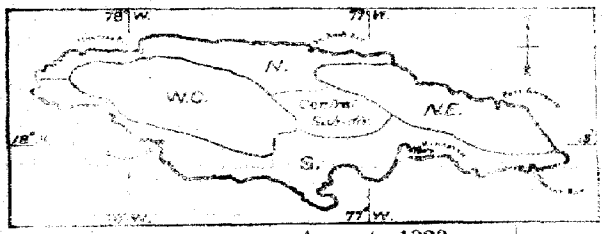


NORTH-EASTERN DIVISION. (N.E.)	August, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Manchioneal	2.00	0.97	9	6	7.40
Bath	4.06	0.82	7	19	9.91
Priestman's River	3.84	0.75	15	9	..
Millbank	3.74	0.55	5	..	..
Moore Town	8.83	1.56	18	19	15.54
Port Antonio	8.04	1.42	18	15	11.35
Fellowship	8.91	1.18	17	21	14.01
Johnson River Br.	4.31	0.90	20	15	10.60
Cedar Valley, St. Thos.	2.18	0.87	21	5	10.24
Hill Gardens	1.48	0.38	18	8	8.38
Spring Garden	3.70	0.80	10	15	5.85
Buff Bay	3.93	0.99	8	9	5.30
Hope Bay	7.91	2.00	10	14	..
Greenvale	..	..	..	..	6.96
Belvedere, Portland	2.27	0.63	11	9	..
Mt. Holstein	2.25	0.41	27	12	7.11
Rose Hill	3.38	1.20	29	6	10.52
Hardware Gap	0.60	..	..	..	7.24
Stony Hill Ind. Sch	3.12	1.03	29	10	9.45
Castleton Gardens	2.70	1.04	19	8	10.16
Lawrence Tavern	3.56	1.20	29	7	8.43
Zion Hill	3.90	1.20	14	6	..
Agualta Vale	1.45	0.39	17	9	4.03
Water Valley	1.68	0.40	9	8	4.29
Platfield	..	..	..	..	6.78
Richmond, St. Mary	2.41	1.36	2	8	5.13
Hampstead St. Mary	1.20	0.35	28	8	4.46
Windsor Castle	3.56	1.25	8	11	..
Guy's Hill	2.11	1.50	21	4	..
Lucky Hill	2.33	1.15	31	4	4.68
Rio Hoe	3.07	1.90	21	6	6.00
Unity Valley	4.02	3.00	21	10	6.70
Moneague	4.20	3.20	21	4	6.66
Claremont	1.54	1.20	21	2	5.17
Albion, St. Ann	2.45	1.18	31	8	6.15
Averham Park	1.19	0.49	31	6	4.76

NORTHERN DIVISION. (N.)	August, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria	2.39	0.42	3	10	4.74
Ocho Rios	1.40	0.35	27	5	3.07
Bogue, Ocho Rios	2.15	0.60	2	8	4.23
Rockfield	1.43	0.31	31	10	4.19
Drax Hall	..	..	..	..	3.61
Liberty Hill	2.62	0.75	31	7	3.20
St. Ann's Bay	3.76	1.50	31	10	2.91
Seville	1.30	0.56	24	7	3.62
Richmond Estate	1.61	0.48	29	8	3.12
Llandovery	..	..	..	..	2.73
Runaway Bay	1.02	0.50	29	3	..
Brown's Town	1.84	0.68	31	4	4.27
Alexandria	2.76	1.29	31	5	..
Watt Town, St. Ann	4.40	2.50	31	6	..
Home Castle	3.15	1.55	31	5	3.56
Richmond Pen	0.85	0.40	31	..	5.28
Bryan Castle	1.55	0.65	28	5	2.80
Brae	0.90	0.30	18	6	2.63
Arcadia	..	..	..	..	3.42
Vale Royal	..	..	..	..	4.33
Harmony Hall	..	..	..	..	2.40
Duncans	0.97	0.50	21	2	..
Colchis Pen	1.10	0.50	28	5	5.16
Carey Park	..	..	..	..	..
Clark's Town	2.50	1.20	8	3	..
Springfield	..	..	..	..	..
Falmouth	0.82	0.33	23	8	2.61
Good Hope	7.24	3.02	21	7	..
Schawfield	..	..	..	..	..
Hampden	4.65	1.71	21	5	4.91
Guilsbro	..	..	..	..	6.20
Success	1.55	0.65	21	7	2.13
Cinnamon Hill	1.10	0.50	21	7	2.24
Rose Hall	1.40	0.75	21	7	2.05
Tryall	1.80	0.70	21	4	6.61
Running Gut	1.85	0.90	21	7	2.59
Spring Estate	1.40	0.75	21	4	2.70
Montego Bay	4.01	1.07	21	9	5.36
Friendship	6.94	1.80	21	11	..
Retirement	..	..	..	..	..
King Gate	1.32	0.46	21	7	6.10
Blue Hole	7.10	3.70	19	11	..
Kew	..	..	..	..	7.77
Haughton Court	4.25	1.10	21	10	6.71
Lucea	3.76	1.30	21	12	6.48
Cousins Cove	..	..	..	..	..
Green Island	6.59	1.83	8	13	..
CENTRAL SUB-DIVISION					
Rio Magno	..	..	..	..	..
Riversdale	4.06	0.90	6	11	..
Headworks, Rio Cobre	1.30	0.55	20	4	5.58
Linstead	2.62	0.68	9	7	8.62
Berkshire Hall	4.35	1.68	21	7	6.70
Point Hill	3.80	1.00	21	6	11.25
Bellas Gate	2.44	0.80	28	6	..
Croft Hill	1.98	0.50	29	7	7.16
Chapelton	2.57	1.73	29	8	6.66
Frankfield	4.91	1.50	20	8	..
Trout Hall	..	..	..	..	9.19
Crooked River	1.60	0.58	5	5	..

West-Central Division. (W.C.)	Augnst, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	2.54	0.59	30	7	7.44
Spaldings	5.21	1.14	129	12	
Brokenhurst	9.38	1.77	20	13	8.24
Christiana	3.25	1.03	29	11	7.23
Chudleigh	4.72	1.42	29	13	9.52
Shooter's Hill	3.39	0.50	18	13	8.02
Kendal, Manchester	3.01	0.74	20	8	8.75
Clifton Hill	8.73	2.83	29	10	
Marshalls Pen	7.07	2.75	20	9	8.35
Mandeville	7.45	2.71	20	12	8.79
Carlton, Mandeville	4.85	1.83	20	9	..
Ulster Spring	3.29	1.10	30	9	8.19
Albert Town	5.62	1.50	30	8	8.84
Lowe River	1.80	0.55	29	10	8.78
Troy	6.66	1.50	9	9	10.73
Warsop	3.98	1.50	30	6	..
Balaclava Police Station	5.61	2.20	6	8	7.45
Wallingford	6.90	2.45	6	12	10.30
Magotty	6.99	1.10	20	11	10.96
Deeside	5.14	1.55	21	5	..
Springfield, St. Elizabeth	9.96	2.91	31	16	..
Kempshot	4.29	0.65	21	10	8.34
Bandon Pen	3.89	1.22	21	7	
Cambridge, St. James	7.61	0.98	8	19	11.82
Kew Park	10.65	1.67	29	22	11.99
New Market, Police Station	7.81	2.45	7	10	12.32
The Bog, New Market	10.43	2.25	7	17	13.67
Bethel Town	11.61	2.15	20	21	..
Moutpelier	..			..	
Ramble	10.27	3.30	8	11	..
Burnt Ground	13.45	5.40	8	18	11.00
Knockalva	8.80	1.06	29	17	12.38
Petersville	7.63	1.75	9	13	10.66
Darliston	13.96	2.10	5	22	14.96
Bluefields	10.84	2.40	31	13	11.83
Whithorn	9.77	1.48	20	18	11.65
Water Works Pen	8.19	1.15	20	22	12.78
Askenish	9.57	1.35	21	16	
Grange Hill	14.82	2.19	20	21	12.31
King's Vale Police Station	6.68	1.45	24	12	10.65

Southern Division. (S.)	August, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	0.84	0.15	18	15	5.25
Pleasant Hill	2.43	0.95	8	8	
East Prospect	1.34	0.26	29	8	7.36
Morant Bay	1.99	0.40	22	13	6.52
Easington	1.76	0.42	18	8	7.02
Bull Bay	0.23	0.23	25	1	2.78
Mavis Bank	0.80	0.80	30	1	
Bellevue	1.16	0.40	30	7	6.50
Gordon Town	3.45	1.31	5	5	5.29
Irish Town	1.80			.	6.81
Hope Gardens	1.95	0.99	6	11	5.78
King's House Gar.	2.21	0.80	29	7	5.17
Melrose	..	..			
Half-way Tree	1.20	1.00	29	4	3.89
Lunatic Asylum	1.02	0.40	18	6	2.71
N.E. Kingston	0.92	0.36	18	7	3.30
Kingston P.W.O.	0.77	0.30	18	7	3.55
Upper Kingston	1.06	0.46	21	5	..
Plumb Point L.H.	3.15	1.24	21	4	3.38
Clifton Pen	1.47	0.73	6	4	4.06
Hematine	0.77	0.24	22	8	
Quarantine Station	0.96	0.29	18	6	2.33
Spanish Town	0.65	0.28	23	6	3.93
Hog Hole, St. Catherine	0.92	0.30	18	7	4.28
Hartlands	1.00	0.30	29	5	3.48
Old Harbour	3.81	1.90	14	5	4.49
May Pen	1.24	1.97	29	7	5.05
Dry River, Vere	0.73	0.26	18	7	3.81
Toll Gate	1.28	0.47	28	5	5.44
New Yarmouth	0.61	0.24	18	5	3.81
Cottage	0.51	0.27	18	4	
Milk River	0.00	0.00			4.41
Retrieve	0.75	0.35	18	4	
Hog Hole, S. Man.	1.08	0.40	18	3	
Stone's Hope	3.91	1.75	29	8	6.36
Newport, Manchester	7.70	3.35	18	4	6.98
Great Valley, Man.	1.23	0.55	20	3	5.50
Alligator Pond	1.57	0.45	20	6	3.64
Fairfield	4.67	2.58	20	13	6.24
Southfield, St. Elizabeth	2.13	0.84	29	7	6.89
Lititz	5.34	1.65	29	10	5.43
Torrington	2.95	1.00	29	8	5.55
Bethlehem, St. Eliz.	5.97	1.66	29	10	6.37
Santa Cruz	10.11	2.15	29	12	9.02
Pedro Plains Police Stn.	4.37	2.93	29	5	2.88
Mountainside	7.09	2.15	29	11	
Black River	3.39	1.16	7	12	6.32
Font Hill	2.56	1.10	7	8	6.25
Mount Edgecombe	8.25	1.50	9	17	8.29
Sweet River	5.75	0.80	20	23	9.07
Windsor Sav-la-Mar	6.98	2.87	30	13	7.66
Orchard	6.53	2.51	30	18	10.52
Sav-la-Mar	4.36	0.87	30	18	7.78
Little London	4.65	1.86	8	9	
Retreat	4.41	1.02	1	12	8.38
Negril Point L.H.	4.82	1.40	1	16	7.02

NOTES

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

Divisional and Island Rainfall	August 1923	August Average
	In	In
North-Eastern Division (N.E.) ..	3.27	7.47
Northern " (N.) ..	2.11	4.85
West-Central " (W.C.) ..	7.39	10.14
Southern " (S.) ..	2.90	5.26
The Island ..	3.82	6.93

Shocks of Earthquake in August, 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt etc.
20	2.25 a.m.	I	Mulgrave (St. Elis.)

The mean Rainfall was again much below the average, being only 57%. The West Central Division had 73% of its average and the Southern Division 55%; but the North-eastern and Northern- Divisions had only 44% of their averages. It appears, however, to have been fairly well distributed over the Island as the average number of rainy days was 9 in the North-Eastern Division, 7 in the Northern 13 in the West Central and 8 in the Southern Division. The greatest precipitation appears to have taken place on the 8th and 9th, between the 18th and 21st and in the last three days of the month, particularly on the 29th.

The greatest fall for the month was 14.82 inches at Grange Hill in Westmoreland and that for 24 hours, was 5.40 inches at Burnt Ground, in Hanover on the 8th. No rain fell at Milk River, Clarendon.

There was general squally weather experienced over the entire Eastern half of the Island, on the night of the 10th at about 11 p.m. At some places high wind, approaching gale force, prevailed for a short period. At Kingston, the wind blew from North and North-westerly directions, and the max. velocity recorded was 24 miles per hour, at about 11.30 p.m. There was a sudden fall in pressure of 0.06 inch at the time of this squall.

High wind on the 22nd was also reported from Mandeville.

A severe thunderstorm occurred at Sav-la-Mar on the 30th, at 2.47 p.m., lasting for half an hour One house near to the Post Office was struck.

A hail-storm was reported as occurring at Catadupa on the 16th, at 3.20 p.m., when the temperature was noted to fall from 87 to 73 degrees. And hail also fell at Mulgrave onthe 17th at about 1 p.m.

At Kingston, on the 11th the max. temperature was 97.8 degrees, being the highest recorded for the past 43 years . The humidity was exceptionally low on the same day, in afternoon, shewing only 27 per cent. of normal; the mean humidity for that day beng 46 per cent. as compared with the 25-year average of 79 per cent. The mean humidity for the month was 10 per cent. below normal.

No appreciable barometric depressions were observed throughout the month. And on the whole the mean pressure for the month was above the normal.

J. F. Brennan,
Government Meteorologist.

Kingston, September 21st, 1923.

No. 550.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

SEPTEMBER, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus.

The rainfall is measured at 7 a. m. and entered as having fallen on the previous day.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m	3 p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.934	29.892	82.1	85.9	87.9	77.9	10.0	89.2	23	72.4	25	16.8
Kingston ..	24	29.912	29.857	78.1	87.7	92.6	74.0	18.6	95.6	23	70.9	8	24.7
Negril Pt. Light House	33	29.913	29.867	76.1	84.8	88.3	72.8	15.5	91 3	6	69.7	3	21.6
Castleton Gardens ..	496	..	..	69.9	80.8	87.3	68.9	18.4	93.0	17	65.0	7*	28.0
Hope Gardens† ..	668	29.942	29.863	73.9	83.7	89.7	70.9	18.8	94.0	17*	69.0	8	25.0
Stony Hill Indus. School	1,400	..	...	70.9	79.2	87.7	68.6	19.1	90.0	3*	67.0	3*	23.0
Hill Gardens .	4,900	25.333	25.260	63.6	67.3	72.4	58.0	14.4	78.0	7	57.0	1*	21.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft	°		°		in.	Mls.		m.		m.	L.	M	U.	L.	M.	U.
Morant Pt. Light House	8	74.9	76	74.1	68	1.11	253	NE	13	ENE	12.3	0.4	3.3	1.5	0.5	2.7	1.3
Kingston	24	67.9	71	71.2	58	0.11	186	NbE	3.8	SE	14	0.2	0.6	1.9	3.8	1.3	2.2
Negril Point Light House	33	73.6	85	75.7	75	8.61	177	NE	5.9	NE	9.4	0.3	0.7	4.6	0.7	7.0	1 1
Castleton Gdns.	496	68.1	93	74.4	79	8.14	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67.0	78	74.1	72	2.75	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	66.0	84	73.8	83	7.74	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	59.3	84	61.7	84	3.53	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

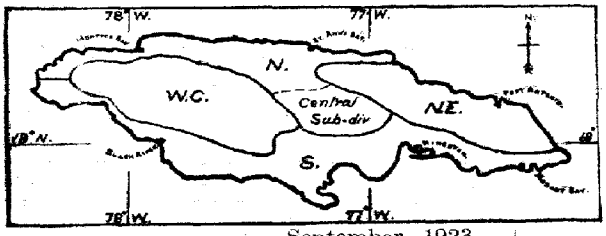
DEC 3 - 1923

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition and of page 20 of 1923 Edition. An outline of which is given below.



September, 1923.

NORTH-EASTERN DIVISION. (N.E.)	Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Manchioneal	4.43	0.87	19	13	10.61
Bath ..	3.66	0.80	27	16	12.07
Millbank ..	3.24	0.61	9	8	..
Priestman's River	3.28	0.80	27	6	..
Moore Town ..	5.50	1.00	24	14	15.39
Port Antonio ..	5.08	1.46	28	11	10.64
Fellowship ..	3.47	0.92	9	13	13.12
Johnson River Br.	2.40	0.85	27	12	11.04
Hope Bay ..	3.10	1.20	8	4	..
Cedar Valley, St. Thos.	1.77	1.10	27	6	13.17
Hill Gardens ..	3.53	1.30	19	9	9.84
Spring Garden ..	2.60	1.32	4	8	4.85
Buff Bay ..	2.59	1.75	3	4	4.84
Greenvale ..	..	..	..	..	9.12
Belvedere, Portland	2.61	0.70	3	8	..
Mt. Holstein ..	4.44	1.07	27	14	9.23
Rose Hill ..	7.73	2.20	11	10	12.32
Hardware Gap ..	3.86	..	..	..	10.19
Stony Hill Ind. Sch	7.74	1.65	7	15	9.97
Castleton Gardens	8.14	2.43	15	15	11.70
Lawrence Tavern ..	5.90	1.05	20	10	9.76
Zion Hill ..	9.28	2.10	13	10	..
Agualta Vale ..	3.14	1.53	3	9	4.86
Water Valley ..	3.48	1.22	3	8	4.91
Platfield ..	3.60	2.07	12	3	7.85
Richmond, St. Mary	2.50	0.58	28	8	5.75
Hampstead St. Mary	3.40	1.25	3	8	6.95
Windsor Castle ..	4.27	1.60	15	12	..
Guy's Hill ..	4.15	1.50	12	7	..
Lucky Hill ..	6.64	2.18	27	7	5.81
Rio Hoe ..	4.81	3.60	25	4	6.17
Unity Valley ..	5.21	2.19	25	9	8.17
Moneague ..	5.01	3.18	25	11	7.33
Claremont ..	3.34	0.95	25	10	6.03
Albion, St. Ann ..	7.18	2.40	12	16	7.24
Avonham Park ..	5.94	1.50	15	12	5.19

September, 1923.

NORTHERN DIVISION. (N.)	Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average
	In.	In.			In.
Port Maria ..	3.14	1.75	3	6	3.85
Ocho Rios ..	2.49	1.20	27	6	3.63
Bogue, Ocho Rios	2.51	1.03	27	6	4.26
Rockfield ..	4.25	1.20	25	9	5.18
Drax Hall ..					
Liberty Hill ..	2.67	1.35	25	5	4.13
St. Ann's Bay ..	1.85	1.30	25	6	3.47
Seville ..					3.64
Richmond Estate					3.86
Llandovery					
Runaway Bay ..	4.74	2.40	20	5	
Brown's Town ..	5.04	1.04	15	11	5.26
Alexandria ..	5.64	1.70	25	10	
Watt Town, St. Ann	5.86	1.88	29	6	
Home Castle ..	7.15	2.15	25	10	4.64
Richmond Pen ..	4.50	1.10	30	11	6.26
Bryan Castle ..	4.65	1.40	15	8	3.57
Braco ..	2.85	0.90	25	7	3.25
Arcadia ..					4.37
Vale Royal ..					
Harmony Hall ..	4.33	2.50	25	5	3.57
Duncans ..	4.58	2.65	25	6	
Colchis Pen ..	3.82	1.10	25	13	
Carey Park ..					
Clark's Town ..	4.05	1.20	15	6	
Springfield ..					
Falmouth ..	3.66	1.09	15	11	3.36
Good Hope ..	9.64	1.72	20	15	
Schawfield ..					
Hampden ..	2.88	0.53	20	8	6.19
Guilsbro ..	4.48	1.68	27	13	8.16
Success ..	4.10	1.55	20	7	3.91
Cinnamon Hill ..	5.65	2.30	20	7	4.18
Rose Hall ..	5.25	1.90	20	7	3.68
Tryall ..	2.60	1.30	20	6	
Running Gut ..	3.75	1.10	15	7	3.99
Spring Estate ..	2.90	1.20	20	5	4.11
Montego Bay ..	4.56	1.28	27	11	6.76
Friendship ..	4.70	2.05	27	10	
Retirement ..	8.03	2.45	12	14	
King Gate ..	2.37	0.80	27	8	7.80
Blue Hole ..	6.44	2.00	27	14	
Kew ..					8.14
Haughton Court ..	10.10	3.30	28	13	6.68
Lucea ..	6.25	1.82	28	17	8.02
Cousins Cove ..					
Green Island ..	9.57	2.50	28	12	
CENTRAL SUB-DIVISION					
Riversdale ..	6.08	1.47	11	10	
Headworks, Rio Cobre ..	2.12	1.10	19	7	6.49
Linstead ..	2.86	0.56	19	8	8.02
Berkshire Hall ..					6.66
Point Hill ..	4.32	1.27	5	7	12.07
Bellas Gate ..	5.16	3.05	28	6	..
Croft Hill ..	2.53	0.80	4	6	5.91
Chapelton ..	4.23	1.10	5	10	8.00
Frankfield ..	1.99	0.53	1	6	..
Crooked River ..	3.11	0.68	1	8	11.58
Trout Hall ..	..	..	..	..	

WEST-CENTRAL DIVISION. (W.C.)	September, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	2.85	0.67	11	10	9.31
Spaldings	1.48	0.57	10	9	
Brokenhurst	3.94	0.71	8	17	9.85
Christiana	3.25	0.64	13	13	9.82
Chudleigh	3.14	0.60	27	12	10.36
Shooter's Hill	4.75	1.14	27	8	9.54
Kendal, Manchester	4.48	1.08	27	11	9.98
Clifton Hill	3.46	1.00	21	8	
Marshalls Pen	2.39	0.70	11	8	9.42
Mandeville	4.46	0.75	12	13	10.12
Carlton, Mandeville	3.33	0.75	13	9	..
Mereworth	5.45	1.84	13	11	..
Ulster Spring	9.83	2.10	4	18	9.91
Albert Town	15.50	2.30	13	13	11.07
Lowe River	5.29	1.70	12	8	12.00
Troy	10.58	2.00	9	13	13.89
Warsop	12.58	2.40	10	12	
Balaclava Police Station	14.14	3.05	14	15	11.01
Wallingford	16.38	3.40	8	18	12.87
Magotty	11.16	2.34	11	13	11.99
Deeside	6.75	1.01	10	14	..
Springfield, St. Elizabeth	14.01	2.52	11	19	..
Kempshot	5.12	0.83	12	9	9.36
Bandon Pen	10.24	2.45	4	15	..
Cambridge, St. James	12.16	2.05	11	17	12.52
Kew Park	11.54	1.55	4	19	12.40
New Market, Police Station	12.32	3.42	11	16	10.57
The Bog, New Market	9.89	1.05	4	21	14.01
Bethel Town	16.33	2.85	20	20	..
Montpelier	..				..
Ramble	14.90	2.68	4	16	..
Burnt Ground	18.10	3.20	4	18	12.65
Knockalva	11.55	2.26	11	16	13.32
Petersville	10.97	2.61	13	17	9.35
Darliston	17.41	2.62	19	20	14.58
Bluefields	11.43	2.00	14	22	10.47
Whithorn	11.22	2.22	10	17	11.30
Water Works Pen	12.22	1.90	13	18	11.00
Askenish	14.41	2.75	28	15	
Grange Hill	12.71	2.28	20	21	11.89
King's Vale Police Station	10.17	2.20	27	12	11.22

SOUTHERN DIVISION. (S.)	September, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	1.11	0.30	10	9	7.02
Pleasant Hill	2.06	0.48	26	12	
East Prospect	1.88	1.26	27	9	8.14
Morant Bay	3.17	1.07	27	12	8.27
Easington	1.01	0.27	2	7	8.59
Bull Bay	0.27	0.27	25	1	4.74
Mavis Bank	1.75	0.80	28	3	
Bellevue	2.39	0.75	27	10	8.85
Gordon Town	3.16	0.61	11	8	8.18
Irish Town	2.30				8.76
Hope Gardens	2.75	1.00	14	13	7.05
King's House Gar.	2.80	0.80	10	8	5.31
Half-way Tree	1.60	0.65	2	7	4.81
Lunatic Asylum	0.24	0.11	24	3	4.44
N.E. Kingston	1.06	0.87	11	3	4.60
Kingston P.W.O.	0.11	0.04	12	5	4.03
Upper Kingston	1.35	1.10	11	3	..
Plumb Point L.H.	0.50	0.21	9	3	4.10
Clifton Pen	0.91	0.55	11	4	4.39
Hematine	0.85	0.56	9	5	
Quarantine Station	0.12	0.08	24	2	2.66
Spanish Town	1.16	0.80	9	4	5.13
Hog Hole, St. Catherine	0.43	0.16	24	4	6.04
Hartlands	1.60	0.55	8	4	4.79
Old Harbour	1.15	0.60	9	2	6.25
May Pen	1.71	0.62	4	10	6.99
Dry River, Vere	1.88	0.57	24	6	5.60
Toll Gate	3.88	1.60	19	8	8.15
New Yarmouth	1.82	0.79	9	5	5.82
Cottage	3.26	1.28	19	7	
Milk River	1.95	0.66	29	6	7.51
Retrieve	3.43	2.00	19	8	
Hog Hole, S. Man.	4.18	1.26	25	9	
Stone's Hope	4.88	1.41	23	8	8.37
Newport, Manchester	4.36	1.25	23	11	7.94
Great Valley, Man.	2.55	0.74	8	9	6.54
Alligator Pond	4.02	1.65	27	7	5.13
Fairfield	3.20	0.96	8	14	8.22
Southfield, St. Elizabeth	3.21	0.99	27	6	6.75
Gilnock	7.10	1.70	20	9	..
Lititz	2.13	0.75	8	9	5.10
Torrington	3.33	1.32	13	10	6.52
Bethlehem, St. Eliz.	4.07	1.70	13	12	7.32
Santa Cruz	8.66	1.35	13	11	9.77
Pedro Plains Police Station.	2.25	0.69	28	6	4.11
Mountainside	2.16	0.80	13	10	
Black River	3.35	1.08	7	15	5.47
Font Hill	4.90	1.95	7	9	6.29
Mount Edgecombe	11.88	2.47	13	17	8.28
Sweet River	10.37	1.18	2	20	7.87
Windsor Sav-la-Mar	8.81	1.64	19	19	7.49
Orchard	8.32	1.77	19	19	8.84
Sav.-la-Mar	8.42	1.21	15	20	7.09
Little London	9.39	2.76	11	14	
Retreat	8.86	2.33	11	15	7.99
Negril Point L.H.	8.61	2.48	11	18	6.91

NOTES.

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

Divisional and Island Rainfall	September. 1923	September. Average
	In	In
North-Eastern Division	4.54	8.48
Northern	4.05	5.73
West-Central	9 62	11.02
Southern	3.42	6.40
The Island	5.42	7.91

Shocks of Earthquake in September, 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt etc.
16	8.10 p.m.	I	Kingston. 0.10 inch 2 seconds duration.

The mean rainfall for the month shows some improvement over that of the last three months, being 68% of the average. The West Central Division had about 87% of its average. The Northern Dvivision had 70% of its average, while the North Eastern and Southern Divisions had 53% of theirs.

The Rainfall was well distributed over the Island, the average number of Rainy days being 10 in the North Eastern Division, 9 in the Northern, 15 in the West Central and 9 in the Southern Division, with an average of 11 for the Island. The greatest precipitation appears to have been in the second and fourth weeks of the month with a marked preponderance on the 11th and 27th.

The greatest fall for the month was 18.10 inches at Burnt Ground in Hanover and the least was 0.11 inch at the Public Works Office, Kingston. The greatest fall for 24 hours was 3.60 inches at Rio Hoe in St. Ann on the 25th.

The Mean Rainfall for the Island for the nine months ended 30th September, was, as shown below, approximately 75% of the average for the period and 50% of the year's average.

1923.	50 years Average.	
January—September.	January—September.	Year.
37.66 inches.	51.65 inches	76.46 inches

On the 26th September, the U.S. Weather Bureau issued a Warning stating that a weather disturbance had developed over the old Bahama Channel, and will move North-westerly and increase in intensity. On the 28th, it appeared to have moved in its track to Long. 78 degs. W. and Lat. 28 degs. N., very slowly Northward, and later on in a North-easterly direction into the North Atlantic. The Kingston barometer on the 26th fell to half a tenth of an inch below the mean.

There were no other depressions recorded during the month, and the mean pressure for the month was about normal.

Corrigenda, Hope Bay rainfall.

1923.		Total Fall Inches.	Greatest Fall in 24 hours Inches.
W.R. 543	February	2.12	0.78
" 545	April	0.77	0.30
" 546	May	6.15	4.30
" 547	June	4.59	1.56
" 549	July	9.04	0.24

J. F. Brennan,
Government Meteorologist.

Kingston, October 24th, 1923

No. 551

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

OCTOBER, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus.

The rainfall is measured at 7 a. m. and entered as having fallen on the previous day.

METEOROLOGICAL RESULTS

Stations.	Elevation.	Bar. Pressure		Temperatures.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m	3 p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.909	29.834	79.8	83.3	85.6	75.4	10.2	88.3	2	70.0	10	18.3
Kingston ..	24	29.857	29.805	75.7	84.9	89.3	73.3	16.0	95.1	2	70.8	31	24.3
Negril Pt. Light House	33	29.855	29.807	76.1	73.4	86.6	73.0	13.6	91.3	4	70.6	16	20.7
Castleton Gardens ..	496	..	..	70.4	78.7	84.7	69.7	15.0	92.0	6	66.0	8*	26.0
Hope Gardens† ..	668	29.878	29.802	72.5	81.5	87.4	70.3	17.1	94.0	2	68.0	26*	26.0
Stony Hill Indus. School	1,400	..	..	69.1	77.8	87.1	67.5	19.6	90.0	5	66.0	22*	24.0
Hill Gardens .	4,900	25.263	25.183	62.3	63.9	67.6	57.0	10.6	71.0	2*	55.0	17	16.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft	°		°		in.	Mls.		m.		m.	L.	M	U.	L.	M.	U.
Morant Pt. Light House	8	73.4	81	74.1	74	17.40	241	Var.	15	Var.	14	1.7	2.1	2.2	2.1	2.0	1.6
Kingston	24	69.7	62	72.2	66	7.91	173	NNE	4.5	SE	11.6	8.4	0.3	2.0	4.8	0.9	2.4
Negril Point Light House	33	71.2	84	74.5	75	8.08	219	NE	8.9	SE	11.6	8.2	1.7	2.8	2.6	4.2	1.4
Castleton Gdns.	496	69.0	93	74.6	81	14.46	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	68.2	84	74.2	77	9.89	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	63.5	82	70.9	79	14.50	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	59.3	90	61.8	93	13.93	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

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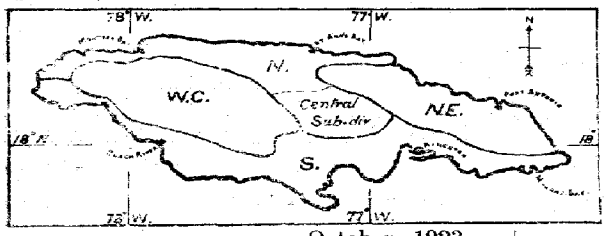
THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition and of page 20 of 1923 Edition. An outline of which is given below.



North-Eastern Division. (N.E.)	October, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In			In.
Manchioneal	21.84	7.50	12	13	17.28
Priestman's River	28.83	7.00	12	11	..
Bath	17.74	4.70	28	19	16.97
Millbank	10.37	3.10	28	16	..
Moore Town	17.83	5.00	28	20	19.92
Port Antonio	20.94	4.15	14	15	15.19
Fellowship	20.77	4.59	28	22	17.63
Johnson River Br.	14.65	2.90	28	20	13.76
Hope Bay	19.05	6.60	12	11	..
Cedar Valley, St. Thos.	16.22	2.96	21	16	14.30
Greenvale	..	..	..	..	11.60
Spring Garden	12.47	5.20	14	15	7.73
Hill Gardens	13.93	2.68	21	21	17.20
Buff Bay	15.04	4.52	12	14	10.15
Belvedere, Portland	9.19	3.50	29	15	..
Mt. Holstein	11.63	1.79	13	23	11.83
Hardware Gap	11.04	2.28	21	16	15.11
Rose Hill	16.48	3.20	21	17	16.32
Stony Hill [nd. Sch	14.50	2.15	21	22	14.59
Aguilla Vale	4.18	2.00	28	14	6.17
Castleton Gardens	14.46	2.90	28	20	14.65
Water Valley	6.31	1.30	28	14	7.72
Lawrence Tavern	12.31	2.54	14	16	12.28
Flatfield	3.60	2.09	3	6	..
Richmond, St. Mary	5.05	1.13	28	17	8.73
Zion Hill	15.48	3.00	14	13	..
Hampstead St. Mary	6.78	1.25	28	17	9.27
Windsor Castle	9.00	2.04	30	21	..
Guy's Hill	7.57	1.40	21	14	..
Lucky Hill	12.06	2.00	4	22	8.90
Rio Hoe	6.55	1.30	23	12	9.08
Unity Valley	5.93	1.52	28	21	9.22
Montague	8.12	2.68	23	21	9.39
Claremont	7.90	2.45	10	11	8.63
Averham Park	6.77	1.37	10	16	11.51
Albion, St. Ann	9.16	2.14	10	18	8.95

Northern Division. (N.)	October, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria	6.26	2.15	28	14	8.79
Ocho Rios	2.04	2.10	25	10	5.82
Bogue, Ocho Rios	7.37	1.50	23	9	6.62
Drax Hall	..	..	..	..	..
Rockfield	4.66	1.22	23	11	7.75
Liberty Hill	6.35	1.50	25	12	6.57
St. Ann's Bay	9.27	2.10	25	16	6.93
Seville	..	..	..	..	6.95
Richmond Estate	..	..	..	..	7.49
Llandovery	..	..	..	..	..
Runaway Bay	4.36	1.70	20	8	..
Knapdale	10.99	..	..	..	..
Alexandria	6.49	0.94	13	14	..
Brown's Town	6.78	1.82	20	14	8.58
Watt Town, St. Ann	7.73	1.40	14	11	..
Home Castle	9.45	3.45	23	14	6.77
Richmond Pen	7.90	1.30	31	..	7.92
Bryan Castle	11.30	4.80	23	14	5.64
Braco	7.40	3.35	23	13	5.25
Arcadia	..	..	..	..	6.24
Vale Royal	..	..	..	..	..
Harmony Hall	8.33	2.90	24	19	5.30
Colchis Pen	7.46	1.00	10	14	..
Duncans	6.97	2.73	23	11	..
Clark's Town	11.52	2.80	20	13	..
Carey Park	..	..	..	..	..
Springfield	..	..	..	..	..
Falmouth	6.28	2.74	25	13	5.42
Good Hope	9.14	1.40	8	12	..
Schawfield	..	..	..	..	..
Hampden	14.41	7.43	26	10	7.19
Success	..	..	..	..	6.10
Guilsbro	..	..	..	..	7.52
Rose Hall	..	..	..	..	6.31
Cinnamon Hill	..	..	..	..	6.72
Tryall	..	..	..	..	..
Running Gut	..	..	..	..	5.44
Spring Estate	..	..	..	..	6.64
Friendship	18.31	6.22	25	17	..
Retirement	17.80	7.55	25	20	..
Montego Bay	8.41	2.19	22	19	7.65
King Gate	5.90	1.36	25	16	9.60
Blue Hole	15.05	3.35	22	16	..
Kew	..	..	..	..	7.80
Lucea	12.49	3.38	20	18	8.08
Haughton Court	9.65	3.35	20	17	6.85
Cousins Cove	..	..	..	..	..
Green Island	12.43	2.50	7	23	..
Central Sub-Division	..	..	..	..	..
Rio Magno	..	..	..	..	..
Riversdale	10.13	1.58	14	19	..
Headworks, Rio Cobre	9.65	1.92	22	14	9.20
Berkshire Hall	..	..	..	..	6.72
Linstead	7.06	2.04	28	17	9.98
Point Hill	13.25	1.80	15	15	15.59
Bellas Gate	9.63	2.75	9	8	..
Croft Hill	11.15	2.28	9	17	10.06
Chapelton	9.52	1.45	25	17	12.15
Crooked River	7.30	1.25	18	13	..
Trout Hall	..	..	..	..	11.86
Frankfield	7.09	1.76	25	14	..

WEST-CENTRAL DIVISION. (W.C.)	October, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	11.36	2.31	13	14	13.43
Spaldings	19.24	3.58	9	23	
Brokenhurst	10.90	2.56	30	15	14.12
Shooter's Hill	11.40	2.23	14	19	12.21
Lowe River	13.85	2.40	14	14	13.47
Christiana	8.60	1.91	31	22	11.47
Clifton Hill	14.22	2.01	14	19	
Kendal, Manchester	12.19	2.63	14	17	14.08
Carlton, Mandeville	13.82	2.00	14	27	
Mereworth	14.48	2.83	30	17	
Mandeville	13.79	1.85	14	21	15.28
Chudleigh	12.74	2.37	27	22	10.70
Ulster Spring	11.56	1.49	30	21	11.67
Marshalls Pen	11.37	2.00	31	20	12.25
Albert Town	9.10	3.20	24	8	13.08
Warsop	9.78	1.30	31	14	..
Troy	21.00	2.00	11	19	15.91
Wallingford	9.97	1.92	30	24	13.18
Balaclava Police Station	7.72	1.48	28	15	12.73
Deeside	8.27	1.90	20	14	..
Magotty	10.58	2.21	27	15	14.07
Kempshot					9.41
Bandon Pen	9.82	1.45	20	17	
Springfield, St. Elizabeth	13.21	2.15	29	19	..
Cambridge, St. James	12.32	1.27	22	24	12.51
New Market, Police Station	14.88	3.00	20	22	11.36
Kew Park	15.48	2.90	31	22	11.91
Montpelier					
The Bog, New Market	14.63	3.39	20	20	11.91
Petersville	10.81	1.71	20	17	11.55
Bethel Town	28.30	3.63	22	22	..
Burnt Ground	23.53	4.20	23	27	11.16
Darliston	12.78	2.35	16	22	15.19
Knockalva	16.68	5.43	22	20	12.26
Ramble	18.40	4.80	22	22	..
Bluefields	13.53	3.45	20	20	11.45
Whithorn	16.82	2.72	22	18	12.54
Water Works Pen	15.07	2.20	5	19	10.18
Askenish	18.26	3.15	21	20	..
Grange Hill	12.89	1.40	22	20	12.71
King's Vale Police Station	8.96	2.20	19	16	9.79

SOUTHERN DIVISION. (S.)	October, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	17.40	5.02	14	19	11.66
Pleasant Hill	18.11	4.60	11	18	
East Prospect	18.27	5.75	28	17	12.58
Morant Bay	13.20	2.98	14	19	12.84
Easington	10.16	2.52	22	16	12.55
Mavis Bank	16.60	..	..	..	
Bull Bay	4.99	2.73	20	6	8.24
Bellevue	13.21	3.57	21	22	10.39
Gordon Town	10.58	2.55	21	16	13.00
Irish Town	13.20				10.87
Hope Gardens	9.89	2.40	21	22	9.74
Lunatic Asylum	6.65	1.90	21	13	6.86
Plumb Point L.H.	12.24	1.59	21	18	7.21
King's House Gar.	7.08	3.00	21	9	9.07
N.E. Kingston	6.76	2.12	21	15	5.91
Upper Kingston	8.66	2 68	21	13	
Melrose	..	..	..		..
Kingston P.W.O.	7.91	2.40	21	10	7.46
Half-way Tree	8.27	2.15	21	16	8.56
Clifton Pen	8.02	2.15	21	16	7.23
Quarantine Station	9.98	4.96	19	14	5.15
Hematine	7.82	1.58	21	15	
Spanish Town	8.11	1.64	21	14	8.79
Hog Hole, St. Catherine	7.08	2.36	21	15	9.33
Hartlands	6.14	1.36	19	14	7.57
Old Harbour	6.32	1.05	20	12	10.18
May Pen	6.95	1.11	13	16	10.61
Dry River, Vere	7.75	1.03	13	15	9.00
New Yarmouth	8.75	1.72	13	15	8.74
Cottage	9.11	2.21	23	15	
Toll Gate	5.45	1.35	13	10	10.42
Milk River	5.75	1.02	22	10	8.55
Retrieve	5.98	1.20	13	10	
Hog Hole, S. Man.	7.24	2.00	12	11	
Stone's Hope	11.36	2.93	30	20	12.43
Newport, Manchester	9.94	2.57	30	19	12.04
Great Valley, Man.	7.09	2.45	19	11	10.67
Alligator Pond	8.34	1.32	11	12	7.64
Fairfield	8.71	1.15	30	21	10.62
Lititz	5.72	1.14	30	15	5.89
Gilnock	6.26	1.35	9	15	
Southfield, St. Elizabeth	6.19	1.44	10	11	6.24
Bethlehem, St. Eliz.	7.23	1.68	31	12	11.41
Torrington	8.00	1.41	31	11	10.57
Santa Cruz	8.75	2.80	9	15	12.21
Pedro Plains Police Station.	3.17	0.70	13	11	5.37
Mountainside	4.29	1.30	31	10	..
Fort Charles	2.93	0.65	20	8	
Black River	3.72	1.02	19	13	8.38
Font Hill	10.20	2.60	20	14	8.78
Mount Edgecombe	11.51	3.52	20	15	9.84
Sweet River	13.17	3.10	28	20	9.64
Windsor Sav-la-Mar	12.96	4.00	23	18	8.08
Sav.-la-Mar	11.99	4.08	22	22	8.54
Orchard	13.13	3.75	22	22	6.80
Little London	11.38	2.32	22	20	
Retreat	12.90	3.40	22	16	10.07
Negril Point L.H.	8.08	3.13	22	15	8.11

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL	October. 1923	October. Average
	In	In
North-Eastern Division ..	12.25	12.34
Northern ..	8.69	7.46
West-Central ..	13 02	12.19
Southern ..	9.18	9.56
The Island ..	10.78	10.89

SHOCKS OF EARTHQUAKE IN October, 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt etc.
			No earthquake reported this month.

The mean rainfall for the month was slightly over the average. The Northern and West central Divisions had more than their means, while the North-eastern and Southern Divisions had slightly less

The greatest fall for the month was 28.83 inches at Priestman's River in the North-eastern Division; and the greatest fall in 24 hours was 7.50 ins. at Manchioneal, also in the North-eastern Division, on the 12th.

Rain was registered at all reporting stations and was well distributed all over the Island during the month; the average number of rainy days being 17 in the North-eastern Division, 14 in the Northern, 19 in the West-central and 15 in the Southern Division, and for the Island 16. The greatest precipitation appears to have been in the latter half of the month, with a marked preponderance between the 20th and 23rd.

WEATHER DISTURBANCES.

There was an extensive area of low pressure in the Caribbean from the forenoon of the 10th, and it was then announced by the United States Weather Bureau that "on the extreme Southern Florida coast the barometric pressure had been relatively low and falling slowly over Carribbean Sea and adjacent regions." The Kingston barometer was then one tenth of an inch below normal, and returned to normal on the 12th October.

Then on the 14th the pressure again began to fall slowly, and continued to do so, necessitating on the 16th, from the result of local observations, the issue of a notice of warning, that a weather disturbance was evidently developing in the vicinity. On the following day (17th), Washington stated there was evidence of a disturbance developing about midway between Jamaica and the Isthmus of Panama, and will probably move northwest. Further circular warnings were issued giving the apparent movement. Kingston barometer on the 17th, at 2 p.m., being 29.629 ins., or nearly two-and-a-half tenths of an inch below normal, which was then the lowest barometer reading. This weather disturbance continued on its track somewhat north-westerly until the 20th at noon when it was located by Washington, at Lat. 19 degs. N., and Long. 81 degs. West, in the vicinity of Grand Caymnan. The Kingston barometer commenced to rise from midnight of 17th, and continued so: reading at 7 a.m. on the 20th, 29.821 ins., or half a tenth of an inch below the mean.

On the morning of the 23rd a northerly gale was experienced at the extreme west of the Island, and continued until noon, accompanied by rain squalls.

J. F. BRENNAN,
Government Meteorologist.

Kingston, 16th November, 1923.

No. 552.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

NOVEMBER, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus.

The rainfall is measured at 7 a. m. and entered as having fallen on the previous day.

METEOROLOGICAL RESULTS.

Stations.	Elevation	Bar. Pressure		Temperatuers.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m	3 p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.936	29.894	79.5	82.0	84.1	75.1	9.0	86.0	1*	67.8	5	18.2
Kingston ..	24	29.914	29.854	73.1	85.9	88.3	70.9	17.4	91.6	22	66.0	13	25.6
Negril Pt. Light House ..	33	29.922	29.866	73.9	83.4	85.9	71.1	14.8	91.1	29	66.0	13	25.1
Castleton Gardens ..	496	..	..	68.8	78.1	81.6	68.0	16.6	89.0	4	63.0	26*	26.0
Hope Gardens† ..	668	29.954	29.868	69.8	82.8	86.5	68.0	18.5	91.0	28	65.0	12	26.0
Stony Hill Indus. School	1,400	..	..	69.0	79.2	88.1	68.8	19.3	91.0	16	67.0	2	24.0
Hill Gardens ..	4,900	25.265	25.244	61.7	62.8	63.2	55.4	10.8	68.0	2*	54.0	21*	14.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 pm..		7 a.m.			3 p.m		
	ft.					in.	Mls.		m.		m.	L.	M	U.	L.	M.	U.
Morant Point Light House	8	71.2	76	71.3	70	3.74	292	N.	17.2	N.	15.7	1.6	1.3	1.7	1.8	2.0	1.1
Kingstou ..	24	66.9	80	70.3	60	1.18	143	N.by E.	6.1	S.E.	8.8	1.5	0.9	1.7	4.4	0.9	1.7
Negril Point Light House	33	69.8	86	72.7	70	0.54	231	N.E.	9.2	N.by E.	12.2	0.3	0.6	4.6	0.3	3.8	2.5
Castleton Gdns.	496	66.8	93	73.4	85	7.56	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	65.0	84	72.3	70	1.23	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	63.9	84	73.3	82	2.23	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58.7	90	61.0	95	5.87	..	..	..	..	..	..	..	..	..	..	..

*And on other days. †Hope Gardens Bar. read at 9 a.m. and 3 p.m.

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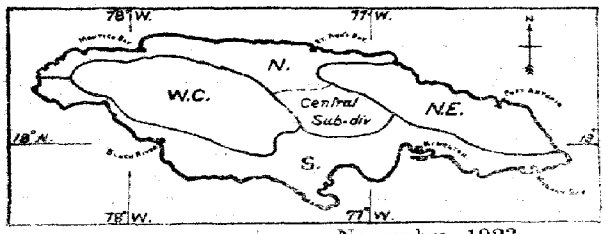
THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril, the North-eastern and West-central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition and of page 20 of 1923 Edition. An outline of which is given below.



NORTH-EASTERN DIVISION. (N.E.).)	November, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal	11.60	7.30	9	6	15.25
Priestman's River	9.30	3.40	19	4	..
Bath	5.42	2.55	11	9	15.19
Millbank	10.59	2.40	12	12	..
Moore Town	15.07	2.00	19	23	34.65
Port Antonio	27.13	16.12	19	9	16.99
Fellowship	21.58	9.22	19	17	27.59
Johnson River Br.	2.93	1.30	20	6	9.55
Shrewsbury	..	..	..	..	..
Hope Bay	21.28	7.50	9	14	..
Cedar Vly., St. Thos.	3.23	0.87	10	7	14.64
Paradise	18.68	4.93	9	16	..
Greenvale	..	..	..	..	32.26
Spring Garden	12.89	4.40	20	19	15.39
Hill Gardens	5.87	2.00	11	12	16.16
Buff Bay	16.04	4.92	19	15	16.66
Belvedere, Portland	13.24	3.60	9	16	..
Mt. Holstein	14.35	5.79	11	20	28.05
Hardware Gap	1.25	..	..	..	16.71
Rose Hill	6.12	1.80	8	8	16.45
Stony Hill Ind. Sch.	2.23	0.78	17	11	8.22
Agualta Vale	7.11	1.62	9	15	11.65
Castleton Gardens	7.56	3.24	9	12	16.32
Water Valley	10.68	1.90	19	19	10.79
Lawrence Tavern	2.82	0.78	9	7	9.87
Platfield	..	..	..	..	14.06
Richmond, St. Mary	9.62	4.75	11	15	12.06
Zion Hill	2.73	1.10	21	7	..
Hampstead, St. Mary	8.39	2.89	8	19	19.57
Windsor Castle	11.53	4.47	9	14	..
Guy's Hill	8.46	3.50	11	10	..
Lucky Hill	11.97	2.95	9	16	16.28
Rio Hoe	7.47	2.14	10	8	10.66
Unity Valley	7.45	2.85	9	13	10.38
Moneague	17.69	2.20	9	13	12.07
Claremont	8.69	3.90	9	6	12.57
Averham Park	10.76	4.00	10	16	13.50
Albion, St. Ann	7.56	2.43	20	13	10.57

NORTHERN DIVISION. (N.	November, 1923. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria	10.90	4.90	19	10	11.30
Ocho Rios	5.93	1.13	8	12	10.73
Bogue, Ocho Rios	7.51	1.45	11	..	14.22
Drax Hall	..	..	..	..	..
Rockfield	7.50	2.30	9	15	16.63
Liberty Hill	5.53	1.30	8	7	12.66
St. Ann's Bay	7.29	1.32	20	15	10.13
Seville	6.33	1.40	20	12	11
Richmond Estate	7.22	2.84	20	10	10.14
Llandovery	9.25	3.60	20	8	..
Runaway Bay	2.00	0.65	20	8	..
Knapdale	7.00	1.96	8	9	..
Alexandria	..	..	..	..	..
Brown's Town	4.47	1.58	9	8	12.12
Watt Town, St. Ann	6.12	2.15	3	5	..
Home Castle	2.55	1.05	20	8	9.01
Richmond Pen	3.35	1.40	9	..	6.66
Bryan Castle	2.10	1.10	9	5	6.92
Braco	1.70	0.75	20	4	6.32
Arcadia	..	..	..	..	7.59
Vale Royal	..	..	..	..	..
Harmony Hall	2.23	1.20	8	9	6.47
Colchis Pen	..	..	..	..	..
Duncans	2.40	1.12	10	4	..
Clark's Town	4.20	2.00	8	5	..
Carey Park	..	..	..	..	..
Springfield	..	..	..	..	..
Falmouth	1.44	0.52	8	8	5.26
Good Hope	4.25	1.67	10	7	..
Schawfield	..	..	..	..	..
Hampden	5.68	3.01	9	5	6.00
Success	3.80	2.50	10	7	5.38
Guilsbro	..	..	..	..	6.85
Rose Hall	2.35	1.00	10	6	5.78
Cinnamon Hill	4.00	2.15	10	7	5.67
Tryall	3.00	1.20	10	7	..
Running Gut	2.00	0.70	10	6	5.38
Spring Estate	2.60	0.80	10	6	6.32
Friendship	2.45	1.45	19	2	..
Retirement	3.05	1.50	19	4	..
Montego Bay	2.35	1.29	21	6	5.27
King's Gate	11.89	0.55	20	7	5.54
Blue Hole	8.11	2.50	20	6	..
Kew	..	..	..	..	5.10
Lucea	6.07	2.14	10	6	6.05
Haughton Court	5.30	1.80	20	6	4.54
Cousins Cove	5.30	..	..	..	..
Green River	2.88	1.40	11	4	..
Green Island	5.00	3.20	20	5	..
CENTRAL SUB-DIVISION					
Riversdale	2.53	1.76	8	5	..
Headworks, Rio Cobre	1.68	0.52	9	6	5.11
Berkshire Hall	4.34	3.05	9	2	8.50
Linstead	2.60	1.92	9	3	6.82
Point Hill	3.35	2.30	10	2	11.22
Bellas Gate	1.83	0.98	25	3	..
Croft Hill	4.69	1.15	9	7	7.64
Chapelton	3.62	1.20	25	8	4.90
Crooked River	3.14	0.80	4	8	..
Trout Hall	7.40	2.15	3	10	9.82
Frankfield	7.25	1.80	4	8	..

West-Central Division. (W.C.)	November, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.10 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	..	..	..	..	6.13
Spaldings	7.05	2.00	4	14	..
Brokenhurst	2.70	0.86	7	8	7.94
Shooters Hill	10.79	2.60	6	11	8.37
Lowe River	1.04	1.04	14	1	8.82
Christiana	..	..	..	..	6.98
Clifton Hill	..	..	..	..	..
Kendal, Manchester	11.29	2.86	8	10	7.08
Carlton, Mandeville	5.20	2.00	8	7	..
Mereworth	5.46	1.84	24	9	..
Mandeville	5.81	1.24	8	11	7.47
Chudleigh	5.61	1.79	24	11	8.34
Ulster Spring	4.29	1.23	8	8	7.78
Marshall's Pen	8.75	3.83	4	10	6.98
Albert Town	4.20	2.70	8	4	8.40
Warsop	6.68	1.60	8	8	..
Troy	6.85	1.12	6	10	6.66
Wallingford	7.08	1.65	8	14	7.39
Balaclava Police Station	6.59	1.25	3	11	6.30
Deeside	..	..	..	..	..
Magotty	4.50	0.84	1	10	7.08
Kempshot	..	..	..	..	6.64
Garlands	5.35	1.60	4	11	..
Mocho St. Jamss.	8.02	3.00	4	9	..
Bandon Pen	6.61	1.98	9	6	..
Springfield, St. Elizabeth	2.62	1.41	4	10	..
Cambridge, St. James	4.70	1.77	4	9	5.14
New Market, Police Station	1.58	0.45	2	6	8.16
Kew Park	2.53	0.57	5	9	5.70
Montpelier	6.90	1.20	11	10	..
The Bog, New Market	2.31	0.66	24	8	6.92
Petersville	5.97	1.20	15	8	6.64
Bethel Town	5.40	2.93	24	6	..
Burnt Ground	7.87	1.60	20	10	6.01
Darliston	5.47	1.68	21	10	7.43
Knockalva	5.53	1.39	11	9	6.33
Ramble	4.83	1.75	11	10	..
Bluefields	4.13	1.82	25	8	6.67
Whithorn	2.04	0.54	11	3	6.39
Water Works Pen	0.73	0.30	11	5	6.49
Askenish	18.26	3.15	20	20	..
Grange Hill	2.47	0.80	6	11	5.74
King's Vale Police Station	3.71	1.40	20	5	5.55

Southern Division. (S.)					
Morant Point L.H.	3.74	1.08	12	9	8.24
Golden Grove	3.48	1.97	10	9	..
Pleasant Hill	4.52	2.06	11	11	..
Phillipsfield	4.74	2.50	11	4	..
Bowden	2.82	1.42	11	3	..

Southern Division. (S.) continued.	November, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell	Average.
	In.	In.			In.
East Prospect	3.00	1.14	11	7	11.88
Morant Bay	1.93	1.02	11	3	7.28
Springfield	1.65	0.85	11	2	..
Easington	1.45	0.90	10	4	6.02
Mavis Bank	7.73	..	..	..	..
Bull Bay	0.77	0.42	7	2	3.41
Bellevue	3.54	1.17	25	17	15.73
Gordon Town	2.69	1.46	8	8	9.79
Irish Town	1.74	0.54	25	4	10.16
Hope Gardens	1.23	0.51	10	9	5.95
Lunatic Asylum	..	..	..	..	3.54
Plumb Point L.H.	0.10	0.10	20	1	2.56
King's House Gar.	0.50	0.50	17	1	5.32
N.E. Kingston	1.21	0.82	10	3	5.57
Upper Kingston	0.84	0.75	10	4	..
Melrose	..	..	..	..	..
Kingston P.W.O.	1.18	1.12	10	2	3.03
Half-way Tree	0.54	0.16	18	6	1.40
Clifton Pen	0.92	0.47	10	3	6.28
Farm I.	..	..	..	..	..
Quarantine Station	0.36	0.17	10	3	3.03
Cumberland Pen	0.60	0.60	9	1	..
Great Salt Pond	0.40	0.40	17	1	..
Hematine	1.70	0.94	25	4	..
Spanish Town	2.14	0.89	25	4	3.90
Hog Hole, St. Cath,	1.33	0.91	9	2	4.80
Hartlands	0.40	0.30	24	2	5.69
Amity Hall	..	..	..	..	..
Bushy Park	..	..	..	..	..
Old Harbour	2.20	1.70	8	3	4.81
May Pen	1.33	0.57	24	5	4.92
Dry River, Vere	0.40	0.30	4	2	6.39
New Yarmouth	0.64	0.47	24	2	3.93
Cottage	0.66	0.36	10	2	..
Toll Gate	2.08	0.68	2	6	7.20
Milk River	1.70	1.38	24	2	5.97
Retrieve	3.57	1.00	10	7	..
Hog Hole, S. Man.	3.64	1.28	10	7	..
Stone's Hope	3.09	1.00	10	9	5.84
Newport, Man.	3.01	1.00	24	9	7.48
Great Valley, Man,	3.90	1.12	10	6	4.89
Alligator Pond	..	..	..	..	3.70
Fairfield	11.84	3.36	4	14	7.17
Lititz	5.60	1.59	7	8	4.68
Gilnock	..	..	..	..	..
Southfield, St. Eliz.	1.25	0.36	20	10	5.07
Bethlehem, St. Eliz.	8.81	1.78	2	13	7.36
Torrington	9.00	3.04	8	11	6.93
Santa Cruz	8.53	2.11	8	12	6.19
Pedro Plains	5.18	1.39	1	9	4.35
Mountainside	..	..	..	..	..
Fort Charles	4.58	2.37	1	5	..
Black River	2.73	0.98	8	9	4.34
Font Hill	2.20	1.10	8	6	4.79
Mount Edgecombe	2.77	0.59	8	9	4.94
Sweet River	1.03	0.30	11	6	3.92
Windsor Sav-la-Mar	0.82	0.35	11	5	3.79
Sav.-la-Mar	0.73	0.29	11	5	3.86
Orchard	0.63	0.30	11	5	4.72
Little London	2.46	0.82	15	7	..
Retreat	2.19	1.00	15	6	4.98
Negril Point L.H.	0.54	0.45	10	3	4.30

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL	November. 1923	November. Average
	In	In
North-Eastern Division ..	9.39	16.22
Northern ..	4.63	6.74
West-Central ..	4 94	6.48
Southern ..	2.52	5.35
The Island ..	5.37	8.70

SHOCKS OF EARTHQUAKE IN November, 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt etc.
			No earthquake reported this month.

The mean Rainfall for the month was only 62% of the average. The West Central Division had 76% and the Northern 70% of their means: but the North-Eastern and Southern Divisions had only 58% and 47% of theirs, respectively.

The greatest fall for the month was 27.13 inches at Port Antonio: and the greatest fall in 24 hours was also at Port Antonio—16.12 inches on the 19th.

The average number of Rainy days was 13 in the North Eastern Division, 7 in the Northern, 9 in the West-Central and 6 in the Southern Division, giving an average of 9 for the Island. The greatest precipitation appears to have been between the 8th and the 11th.

At Kingston, gentle to fresh "Northers" were experienced about the 10th, 11th, 15th, and 18th; and the mean barometric pressure was 29.892 ins. or, slightly above normal. The mean humidity was 5% below the average.

J. F. BRENNAN,

Govt. Meteorologist.

Kingston, December 18th, 1923.

CORRIGENDA.

Weather Report No. 551—October, 1923.
Negril Point Light House—Temperature 3 p.m. For 73.4 read 83.4.
Owing to an error in the numbering of the Weather Report for August 1923 July will be described as 549 (a) and August 549 (b).

No. 554.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

DECEMBER, 1923.

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

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

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the middle clouds cumulus: and the Upper clouds, cirro-stratus.

The rainfall is measured at 7 a. m. and entered as having fallen on the previous day.

METEOROLOGICAL RESULTS.

Stations.	Elevation	Bar. Pressure 7 a.m.	Bar. Pressure 3 p.m.	Temperatures. 7 a.m.	3 p.m.	Max.	Min.	Range	Extreme Temperature. Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	30 000	29.963	78.3	80.8	82.1	75.0	7.1	83.2	6	69.6	5	13.6
Kingston ..	24	29.978	29.919	69.5	85.6	87.1	68.4	18.7	91.1	1	65.7	23	25.4
Negril Pt. Light House ..	33	29.980	29.927	72.6	83.3	86.4	69.6	16.8	89.5	8	66.2	24	23.3
Castleton Gardens ..	496	..	..	68.0	76.2	81.4	67.2	14.2	87.0	6	60.0	4*	27.0
Hope Gardens† ..	668	30.007	29.922	67.1	83.4	86.1	65.8	20.3	89.0	1*	63.0	17*	26.0
Stony Hill Indus. School	1,400	..	..	68.2	79.0	89.2	68.2	21.0	91.0	14	67.0	15*	24.0
Hill Gardens ..	4,900	25.252	25.225	60.2	62.1	65.6	53.5	12.1	67.0	3*	52.0	8*	15.0

Stations.	Elevation.	Dew Point and Humidity. 7 a.m.		3 p.m.		Rainfall.	Wind per diem.	Wind: direction from and miles per hour. 7 a.m.		3 pm..		Amount of Cloud. Lower, Middle and Upper. 7 a.m.			3 p.m		
	ft.	°		°		in.	Mls.		m.		m.	L.	M	U.	L.	M.	U.
Morant Point Light House	8	69.4	74	69.4	68	2.31	377	N.E.bN	22	N.E.bN	20	3.0	1.7	0.2	2.0	1.8	0.4
Kingston ..	24	64.3	83	67.4	55	0.29	143	N.b.E.	4.5	S.S.E.	9.2	1.8	0.3	0.5	3.0	1.8	0 4
Negril Point Light House	33	66.8	82	70.6	65	0.61	246	N.E.	10.5	N.N.E	12	1.3	0.6	1.6	0.3	4.4	0.7
Castleton Gdns.	496	65.9	93	72.3	87	15.64	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	62.1	84	68.6	63	0.92	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	63.2	85	71.6	79	1.94	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	57.4	90	59.5	93	6 09	..	..	..	..	..	..	..	..	..	..	..

*And on other days. †Hope Gardens Bar. read at 9 a.m. and 3 p.m.

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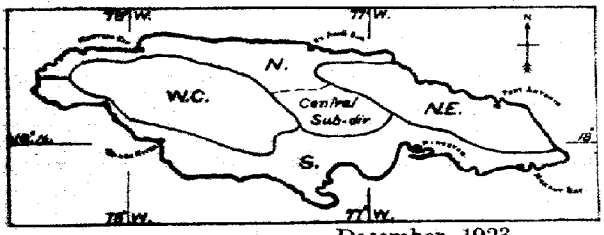
THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1919." In obtaining the mean Rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central divisions are the remaining parts of the island bounded by the sea and the other divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition and of page 20 of 1923 Edition. An outline of which is given below.



NORTH-EASTERN DIVISION. (N.E.).	December, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal	3.93	1.10	20	9	8.11
Priestman's River	3.00	1.10	23	5	..
Bath	6.89	2.35	12	16	9.21
Millbank	26.42	6.00	12	20	..
Moore Town	18.73	5.15	10	25	26.08
Port Antonio	4.08	1.20	22	9	13.57
Fellowship	7.41	1.39	10	25	20.04
Johnson River Br.	2.21	1.50	12	7	5.24
Shrewsbury	18.58	5.00	9	20	..
Hope Bay	5.33	1.10	21	18	..
Cedar Vly., St. Thos.	3.73	2.95	12	5	5.17
Paradise	19.53	8.20	10	21	..
Greenvale	..	..	..	..	25.12
Spring Garden	6.13	1.50	22	19	11.91
Hill Gardens	6.09	1.93	12	11	10.30
Buff Bay	7.36	1.70	20	14	12.66
Belvedere, Portland	15.38	5.20	10	9	..
Mt. Holstein	35.42	8.62	12	26	18.45
Hardware Gap	6.74	..	..	..	6.90
Rose Hill	4.80	3.20	12	3	5.04
Stony Hill Ind. Sch.	1.94	1.22	12	6	4.19
Agualta Vale	6.43	2.25	10	15	10.44
Castleton Gardens	15.64	4.75	12	16	13.09
Water Valley	6.62	1.82	22	17	10.30
Lawrence Tavern	4.70	2.10	12	6	4.85
Platfield	..	..	..	..	8.15
Richmond, St. Mary	12.03	3.25	10	18	10.35
Zion Hill	4.40	1.50	14	7	..
Hampstead, St. Mary	9.83	3.18	10	22	14.54
Windsor Castle	19.71	3.05	12	15	..
Guy's Hill	11.05	2.65	12	13	..
Lucky Hill	9.79	1.95	10	24	12.12
Rio Hoe	10.04	2.20	15	10	8.82
Unity Valley	7.15	1.61	12	18	7.55
Moneague	9.48	2.00	12	19	7.44
Claremont	8.41	2.50	1	9	8.39
Averham Park	11.17	2.05	10	20	10.73
Albion, St. Ann	8.18	1.29	12	18	8.30

NORTHERN DIVISION. (N.)	December, 1923. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria	7.97	1.75	10	19	8.91
Ocho Rios	8.95	4.12	10	11	6.67
Bogue, Ocho Rios	10.40	4.50	10	13	8.51
Drax Hall	..	..	..	..	..
Rockfield	12.23	3.35	10	14	9.28
Liberty Hill	8.30	3.30	10	11	8.84
St. Ann's Bay	8.03	3.71	10	13	7.84
Seville	..	..	..	..	7.99
Richmond Estate	7.60	3.00	10	15	8.58
Llandovery	..	..	..	..	..
Runaway Bay	4.38	2.00	10	12	..
Knapdale	11.99	3.71	11	19	..
Alexandria	3.37	0.86	15	12	..
Brown's Town	12.85	3.14	10	16	8.72
Watt Town, St. Ann	1.26	0.50	11	6	..
Home Castle	8.65	3.10	10	17	7.78
Richmond Pen	2.55	0.70	15	..	4.94
Bryan Castle	4.50	1.80	11	9	6.58
Braco	2.90	1.40	11	9	5.92
Arcadia	4.80	..	..	..	7.00
Vale Royal	..	..	..	..	..
Harmony Hall	3.43	0.86	11	12	6.26
Colchis Pen	2.10	0.50	10	9	..
Duncans	3.17	1.47	20	4	..
Clark's Town	5.00	2.50	13	4	..
Carey Park	..	..	..	..	..
Springfield	..	..	..	..	..
Falmouth	1.95	0.56	11	13	4.92
Good Hope	3.16	1.36	12	7	..
Schawfield	..	..	..	..	..
Hampden	3.59	1.30	12	10	5.34
Success	3.85	1.10	11	6	4.41
Guilsbro	..	..	..	..	4.82
Rose Hall	2.20	0.65	14	6	5.20
Cinnamon Hill	2.55	0.90	11	6	5.29
Tryall	2.50	0.85	11	7	..
Running Gut	2.85	0.85	14	7	5.30
Spring Estate	2.30	0.70	14	7	5.71
Friendship	2.48	0.49	14	8	..
Retirement	2.21	0.60	12	15	..
Montego Bay	1.97	1.04	14	9	4.79
King's Gate	0.75	0.26	14	6	4.12
Blue Hole	1.04	0.46	14	6	..
Kew	..	..	..	..	3.39
Lucea	0.73	0.34	14	10	3.74
Haughton Court	0.60	0.35	14	4	3.51
Cousins Cove	0.35	0.25	15	2	..
Green River	0.00	..	..	..	..
Green Island	0.11	0.11	10	1	..
CENTRAL SUB-DIVISION					
Rio Magno	..	..	..	..	..
Riversdale	3.48	1.60	13	8	..
Headworks, Rio Cobre	0.45	0.34	12	2	2.08
Berkshire Hall	4.01	1.62	11	8	4.10
Linstead	1.78	0.62	13	8	3.57
Point Hill	0.00	..	..	..	5.31
Bellas Gate	0.00	..	..	..	..
Croft Hill	0.00	..	..	..	2.92
Chapelton	0.12	0.12	12	1	2.63
Crooked River	..	..	..	..	..
Trout Hall	0.02	0.02	12	1	3.24
Frankfield	0.15	0.10	21	2	..

West-Central Division. (W.C.)	December, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.10 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	0.27	0.27	24	1	2.30
Spaldings	1.40	0.45	21	10	..
Brokenhurst	0.57	0.30	12	2	3.38
Shooters Hill	0.14	0.14	24	1	2.99
Lowe River	4.82	1.05	13	8	3.96
Christiana	1.90	1.06	24	8	3.52
Clifton Hill	0.10	0.10	20	1	..
Kendal, Manchester	0.15	0.15	24	1	2.90
Carlton, Mandeville	0.02	0.02	28	1	..
Mereworth	0.46	0.18	12	4	..
Mandeville	0.06	0.03	21	2	3.34
Chudleigh	1.49	0.79	24	9	2.81
Ulster Spring	1.63	0.67	16	9	4.54
Marshall's Pen	0.05	0.05	28	1	3.37
Albert Town	1.60	1.00	13	2	4.48
Warsop	2.57	0.85	16	4	..
Troy	0.00	..	..	..	3.74
Wallingford	2.74	2.58	24	2	2.68
Balaclava Police Station	1.26	1.26	24	1	2.61
Deeside	1.61	0.66	12	4	..
Magotty	0.54	0.36	12	2	3.13
Kempshot	1.85	..	..	..	5.58
Garlands	0.90	0.20	16	6	..
Mocho, St. James	0.68	0.48	16	5	..
Bandon Pen	0.00	..	..	..	..
Springfield, St. Elizabeth	0.84	0.35	12	3	..
Cambridge, St. James	0.25	0.08	16	6	2.75
New Market, Police Station	0.60	0.50	12	2	2.27
Kew Park	0.49	0.23	5	4	2.69
Montpelier	0.30	0.30	18	1	..
The Bog, New Market	0.54	0.44	12	2	3.42
Petersville	0.59	1.25	12	5	2.80
Bethel Town	0.00	..	..	..	..
Burnt Ground	0.52	0.50	9	2	3.31
Darliston	1.07	0.62	24	5	3.32
Knockalva	0.19	0.08	10	4	2.90
Ramble	0.22	0.08	10	3	..
Bluefields	0.29	0.20	12	2	2.53
Whithorn	1.48	1.00	24	3	2.78
Water Works Pen	2.49	1.77	23	2	1.84
Askenish	0.50	0.50	9	1	..
Grange Hill	0.46	0.18	5	4	3.20
King's Vale Police Station	0.00	..	..	..	3.48
Southern Division. (S.)					
Morant Point L.H.	2.31	0.83	12	12	6.11
Golden Grove	4.01	1.50	12	10	..
Pleasant Hill	4.38	1.65	12	13	..
Phillipsfield	2.89	1.37	12	6	..
Bowden	4.51	1.42	9	4	..

Southern Division. (S.) continued.	December, 1923. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.10 or more fell	Average.
	In.	In.			In.
East Prospect	4.99	1.55	13	9	5.09
Morant Bay	2.31	0.63	20	10	4.32
Springfield	1.50	0.75	20	4	..
Easington	0.62	0.56	19	2	3.14
Mavis Bank	1.00	1.00	12	1	..
Bull Bay	0.26	0.26	12	1	1.41
Bellevue	1.68	1.24	12	6	2.95
Gordon Town	1.00	1.00	12	1	3.34
Irish Town	1.12	..	..	..	3.63
Hope Gardens	0.92	0.76	12	5	2.82
Lunatic Asylum	0.43	0.40	12	2	1.56
Plumb Point L.H.	0.81	0.78	12	2	1.48
King's House Gar.	0.40	0.40	10	1	2.12
N.E. Kingston	0.44	0.37	13	2	1.43
Upper Kingston	0.40	0.37	12	2	..
Melrose	..	..	..	..	..
Kingston P.W.O.	0.29	0.26	12	2	1.59
Half-way Tree	0.36	0.36	12	1	1.99
Clifton Pen	0.00	..	..	..	1.45
Farm I.	0.18	0.18	12	1	..
Quarantine Station	0.10	0.08	13	2	1.17
Cumberland Pen	0.00	..	..	..	..
Great Salt Pond	0.04	0.02	20	2	..
Hematine	0.04	0.04	12	1	..
Spanish Town	0.05	0.05	12	1	1.98
Hog Hole, St. Cath.	0.43	0.43	12	1	2.14
Hartlands	0.07	0.07	12	1	2.32
Amity Hall	0.00	..	..	..	..
Bushy Park	0.00	..	..	..	..
Old Harbour	0.40	0.40	12	1	2.48
May Pen	0.28	0.28	12	1	2.29
Dry River, Vere	0.39	0.30	20	2	2.34
New Yarmouth	0.30	0.20	6	2	1.87
Cottage	1.53	0.99	9	3	..
Toll Gate	0.90	0.90	12	1	2.88
Milk River	0.00	..	..	..	2.31
Retrieve	0.00	..	..	..	..
Hog Hole, S. Man.	0.00	..	..	..	..
Stone's Hope	0.14	0.14	12	1	2.82
Newport, Man.	0.33	0.17	12	4	3.62
Great Valley, Man.	..	..	..	..	2.68
Alligator Pond	0.00	..	..	..	2.40
Fairfield	0.01	0.01	21	1	3.16
Lititz	0.00	..	..	..	1.53
Gilnock	1.92	1.10	7	3	..
Southfield, St. Eliz.	0.49	0.19	12	4	1.89
Bethlehem, St. Eliz.	1.55	0.56	11	6	2.77
Torrington	0.55	0.55	11	1	2.66
Santa Cruz	1.43	1.10	6	2	2.84
Pedro Plains	0.59	0.50	6	2	1.64
Mountainside	2.34	1.00	19	4	..
Fort Charles	..	..	..	..	..
Black River	1.39	1.21	12	4	2.31
Font Hill	1.60	0.75	20	5	2.04
Mount Edgecombe	0.92	0.44	13	4	2.36
Sweet River	1.05	1.05	6	1	2.35
Windsor Sav-la-Mar	1.64	..	..	3	2.35
Sav.-la-Mar	0.73	0.42	6	3	2.07
Orchard	1.29	0.82	6	6	1.42
Little London	2.14	1.02	24	4	..
Retreat	0.84	0.48	6	3	2.41
Negril Point L.H.	0.61	0.37	13	6	2.11

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL	December. 1923	December. Average
	In	In
North-Eastern Division ..	8.70	11.22
Northern ..	4.15	5.52
West-Central ..	0.97	3.64
Southern ..	0.80	2.49
The Island ..	3.65	5.72

SHOCKS OF EARTHQUAKE IN December 1923.

Date	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
2	6.29 p.m.	I	S.E. to N.W. 012 inch duration 3 seconds.

FOR THE MONTH.

The Mean Rainfall for the Month was 64% of the average. The Northern and North-Eastern Divisions had 77% of their means, while the Southern and West-Central Division had only 32% and 26% of theirs respectively.

The greatest fall for the month, and for 24 hours, was at Mount Holstein in the N.E. Division, viz., 35.42 ins., total fall, and 8.62 ins., on the 12th.

No rain fell at 15 stations.

The average No. of Rainy days was 15 in the N.E. Division, 8 in the Northern, and 3 each in the W.C. and Southern Divisions, giving an average of 7 for the Island.

The greatest precipitation appears to have been between the 10th and 14th with a marked preponderance on the 12th.

The total fall for the year has been 57.45 ins. or 75% of the 50 year average of 76.46 ins.

For the year 1923.

The following Comparative Table was prepared to shew the Island Monthly Rainfalls in all the Divisions, with their corresponding Totals and Averages for each month. For the Island generally, the months of January and February gave about their averages. The May and October "seasons" shewed slightly above. Whereas all the other months were considerably below their averages. The year under review registered only 57.45 ins. or 75 per cent. of its 50-year average of 76.46 ins. The deficiency was not so pronounced as in the year of drought, 1920.

By comparing the total falls of each Divison for the year with their averages, it will be apparent that the North-Eastern Div. had 73 per cent., Northern Div. 77 per cent., West-central 80 per cent., (which had the greatest), and the Southern only 71 per cent., being the least. The May "seasons" were by no means deficient in any Division. The Southern Div. had about 30 per cent above its average, and gave a much better record than in the years 1920 and 1922. Then the October "seasons" in 1923 came up to their averages in each Division. The month of June appears as the driest in three of the divisions.

CORRIGENDUM.

Weather Report No. 552 November, 1923.
Kings Gate, Total Fall—For 11.89 read 1.89.

THE ISLAND RAINFALL, 1923.

Month.	N.E.	N.	W.C.	S.	The Island.	
					Rainfall 1923.	Average 50 yrs.
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
January	10.97	3.55	2.04	1.49	4.51	4.10
February	5.15	3.52	2.51	1.24	3.10	3.06
March	2.28	2.08	3.10	1.38	2.21	3.42
April	4.07	1.95	6.04	3.79	3.96	5.03
May	11.29	6.64	12.10	8.92	9.74	9.12
June	2.28	1.25	3.06	0.96	1.89	7.18
July	2.32	1.53	5.98	1.82	2.91	4.90
August	3.27	2.11	7.39	2.90	3.92	6.93
September	4.54	4.05	9.62	3.42	5.41	7.91
October	12.25	8.69	13.02	9.18	10.78	10.39
November	9.39	4.63	4.94	2.52	5.37	8.70
December	8.70	4.29	0.94	0.80	3.68	5.72
Totals for 1923	76.51	44.29	70.74	38.42	57.48	..
Totals for 50 years average ..	104.60	57.79	89.28	54.13	..	76.46

AT KINGSTON.

The mean barometric pressure for the Year was 29.939 ins. as compared with the 33-year average of 29.932 ins. The mean temperature was 79.2 as compared with the 33-year average of 78.7. The mean Humidity was 72 per cent., as compared with the 15-year average of 77 per cent. The mean wind gave 201 miles per day as compared with 182 miles of the 15-year average. The percentage of Lower Cloud was less than the 15-year average, Middle Cloud about 50 per cent. more, and the Upper Cloud slightly less. Rainfall 17.85 ins.

The Rainfall for the year for Upper Kingston, 148½ East Street, was 20.65 ins. recording 63 rainy days.

Meteorological Results for the Year 1923 are given in the Tables appended.

J. F. BRENNAN,
Government Meteorologist.

Kingston, January 17th, 1924.

METEOROLOGICAL RESULTS FOR THE YEAR 1923.

KINGSTON, JAMAICA—ELEVATION, (See foot note.)

MONTH.	Barometer Pressure.		TEMPERATURE.						Extremes for the month			Dewpoint and humidity.				Rain-fall. Ins.
	7 a.m. Ins.	3 p.m. Ins.	Mean. °	7 a.m. °	3 p.m. °	Max. °	Min. °	Range. °	Max. °	Min. °	Range. °	7 a.m. °	7 a.m. %	3 p.m. °	3 p.m. %	
January	29.997	29.944	76.4	68.2	85.1	87.0a	67.5	19.5	92.1	63.5	28.6	61.9	81	65.7	53	0.33
February	30.037	987	75.5	67.6	83.5	86.0	66.9	19.1	88.7	64.0	24.7	61.9	82	67.4b	57	0.21
March	000	939	77.2	70.5	84.6	87.3	68.6	18.7	92.3c	63.2	29.1	63.3	78	67.5	56	0.64
April	29.965	913	77.8	73.1	83.4	87.3	69.4	17.9	90.1	65.7	24.4	65.6	78	69.5	63	0.89
May	907	867	79.5	77.0	83.6	86.3	73.3	13.0	89.1	67.5	21.6	69.9	79	71.8d	68	4.88
June	959	911	81.3	77.7	86.4	89.4	73.7	15.7	93.1	71.1	22.0	68.2	73	70.7	59	0.18
July	966	917	81.7	77.0	87.3	91.2	73.3	17.9	94.6	71.2	23.4	67.1	71	70.1	57	0.46
August	962	906	82.5	78.1	87.3	92.6	73.9	18.7	97.8	71.2	26.6e	67.7	71	70.2	58	0.77
September	912	857	82.6	78.1	87.7	92.6	74.0	18.6	95.6	70.9	24.7	67.9	71	71.2	58	0.11
October	857	805	80.3	75.7	84.9	89.3	73.3	16.0	95.1	70.8	24.3	69.7	82	72.2	66	7.91
November	914	854	79.0	73.1	85.9	88.3	70.9	17.4	91.6	66.0	25.6	66.9	80	70.3	60	1.18
December	29.978	29.919	77.1	69.5	85.6	87.1	68.4	18.7	91.1	65.7	25.4	64.3	83	67.4	55	0.29
Means	29.954	29.902	79.2	73.8	85.4	88.7	71.1	17.6	92.6	67.6	25.0	66.2	77	69.5	59	..
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17.85

(a) Shewn in error in W.R. No. 542 as 87.8
(b) Shewn in error in W.R. No. 543 as 66.7
(c) shewn in error in W.R. No. 544 as 92.0
(d) shewn in error in R.W. No. 546 as 69.6
(e) shewn in error in W. R. No. 549 as 26.2

MEAN RESULTS—*Contd.*

Month.	Wind Miles per diem	Wind from and Miles per hour. 7 a.m.	3 p.m.	11 p.m.	Clouds in Tenths. Lower. 7 a.m.	Lower. 3 p.m.	Middle. 7 a.m.	Middle. 3 p.m.	Upper. 7 a.m.	Upper. 7 p.m.	Weather Conditions.
January ..	147	N. 3.9	S.E. 11.8	N. 4.7	2.3	0.6	1.6	2.9	2.5	1.8	Rainfall about one-third of average fresh "Norther" from 15th to 21st.
February ..	168	N. 4.1	S.E. 15.9	N.E. 3.7	2.0	0.1	0.1	5.3	1.4	0.2	Rainfall slightly more than one-third the average, S.E. squalls on 5th and 22nd.
March ..	232	N.N.E.4.6	S.E. 20.0	E. 5.3	2.1	0.4	0.0	2.9	1.9	0.0	Rainfall about two-thirds the average. Brisk S.E. winds during latter half of month. Thunderstorm on 20th.
April ..	180	N.N.E. 3.6	S.E. 15.0	ENE. 4.1	0.5	0.2	0.2	4.8	1.9	0.6	Rainfall about 72% of average. Distant Thunderstorms and Lightning on 7th, 8th, 12th, and 29th S.E. Squall on 29th.
May .	244	S.E. 7.2	S.E. 16.1	S.E. 7.4	2.7	0.4	1.9	5.0	0.8	2.0	Rainfall about 11% above average. Distant Lightning and Thunderstorms on several occasions and frequent S.E. Rainsqualls during latter half of month.
June ..	314	E. 7.4	S.E. 22.8	ESE. 7.6	0.9	0.1	3.1	1.4	0.2	3.1	Rainfall very deficient—only 4% of average. Thunderstorm on three occasions. S.E. squall on 9th and slight earthquake on the 17th.
July ..	259	NN.E.5.2	S.E. 21.3	N.E. 4.2	1.7	0.0	2.0	1.5	1.2	2.7	Rainfall about one-third of average. Frequent distant Lightning and Thunderstorm to N. & N.W. on 17th and 18th.
August .	226	NN.E. 3.8	S.E. 18.0	N.E. 4.3	1.3	0.1	2.3	2.8	1.3	3.3	Rainfall about one-fifth of average Thunderstorms and distant Lightning frequent. Squally on 11th. and gale of short duration from S.E. on 23rd. Highest max. temperature on record (97.8°) recorded on 11th.
September ..	‡183	N. 3.8	S.E. 14.0	N.E. 4.2	0.2	0.6	2.0	3.7	1.3	2.1	Rainfall very deficient, only about 3% of total. Frequent Thunderstorms and distant lightning throughout.
October ..	173	NNE.4.5	S.E. 11.6	N.E. 5.5	3.4	0.3	2.0	4.8	0.9	2.4	Rainfall slightly above average. Frequent Thunderstorms and distant lightning. "Northers" during nights of 23rd and 24th.
November ..	143	N. 6.1	S.E. 8.8	N. 5.0	1.5	0.9	1.7	4.4	0.9	1.7	Rainfall 37% of average—Distant lightning early part of month and fresh "Northers" between 10th and 18th on several occasions.
December ..	143	N. 4.5	SS.E. 9.2	N. 5.0	1.8	0.3	0.5	3.0	1.8	0.4	Fresh "Northers" between 1st and 15th on several occasions.
Means ..	201	NEbN 4.9	S.E. 15.4	NEbE. 5.1	1.7	0.3	1.4	3.5	1.3	1.7	The total rainfall for the year was 17.85 inches or 53% of the average, with 62 rainy days. The mean temperature was slightly above the average of 78.7. Highest maximum temperature 97.8 on August 11th. Lowest minimum temperature 63.2 on March 7th.

‡Shewn in W.R. No. 550 as 186 in error.

Note:—Observations were made at 148½ East St., as follows—Barometer 111 ft. above sea-level. Thermometers 107 ft. above sea level and 4 ft above ground (since the year 1907); also clouds and their direction. At the Public Works Building, Port Royal St. as follows: Elevation above sea level, rain gauge 57.28 ft., Anemometer 69.38 ft., wind vane 70.88 ft.