

No. 607.



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1928

JAMAICA
WEATHER REPORT
FOR THE MONTH OF
JANUARY, 1928.

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, cirrus and cirro-stratus.
The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.
The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.			Temperature.					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	30.040	29.940	77.4	79.9	80.9	73.6	7.3	82.8	1	67.1	4	15.7	
Kingston	24	30.012	29.952	68.2	83.2	85.0	67.4	17.6	88.8	15	64.4	19	24.4	
Negril Pt. Light House	33	30.028	29.972	71.0	83.7	86.4	68.7	17.7	92.4	15	62.6	23	29.8	
Castleton Gardens	496			66.5	75.7	78.8	65.5	13.3	82.0	16	60.0	2*	22.0	
Hope Gardens†	668	30.055	29.945	67.1	78.7	84.1	63.3	20.8	87.0	27	62.0	2*	25.0	
Stony Hill Indus. School	1,400			66.8	77.5	78.3	65.5	12.8	82.0	1*	64.0	6*	18.0	
Hill Gardens	4,900	25.294	25.267	60.8	63.2	66.9	53.7	13.2	72.0	25	50.0	30*	22.0	

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.	L.	M.	U.	L.	M.	U.			
	ft.	°	%	°	%	in.	Mis.		m.	m.										
Morant Point Light House	8	68.0	76	70.0	70	2.07	328	N.N.E	17.0	N.N.E	16.0	2.8	2.1	0.3	1.2	3.2	0.3			
Kingston	24	63.0	83	67.0	60	0.16	149	N.	5.4	S.S.E	9.5	0.5	1.0	1.2	2.0	3.2	0.0			
Negril Point Light House	33	66.0	84	69.0	63	1.09	252	N.E	10.1	N.	12.8	1.1	1.2	1.2	1.5	2.7	0.7			
Castleton Gdns.	496	64.0	95	73.0	90	6.52														
Hope Gardens	668	63.0	87	71.0	75	0.07														
Stony Hill Indus. School	1,400	65.0	94	75.0	94	0.84														
Hill Gardens	4,900	58.0	87	60.0	88	3.27														

* And on other days.

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

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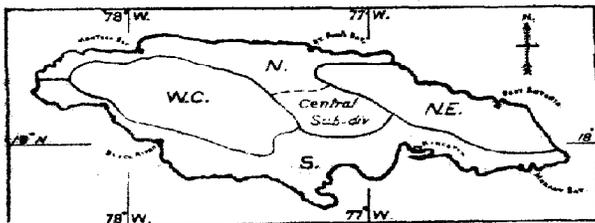
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THE RAINFALL.

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.



January, 1928.

STATION.	Total Fall.		Greatest fall in 24 hours.		Average.
	In.	In.	Amount.	Date.	
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	1.66	0.71	13	5	5.00
Priestman's River	2.40	0.48	30	12	..
Fairy Hill	..	..	..	..	..
Bath	3.21	0.58	12	13	6.13
Millbank	17.57	2.95	6	18	..
Moore Town	5.17	1.00	1	19	17.48
Port Antonio	2.17	0.40	23	16	8.78
Passley Garden	2.61	0.57	23	16	..
Fellowship	4.45	0.56	13	16	13.08
Johnson River Br.	0.88	0.25	17	5	3.31
Trinity Ville	0.90	0.20	30	6	..
Shrewsbury	10.45	1.45	29	19	17.08
Hope Bay	3.86	1.01	21	19	..
Cedar Valley	0.20	0.20	6	1	4.26
Moy Hall	0.77	0.20	6	5	..
Paradise	9.17	1.86	29	22	..
Lennox	6.33	1.71	21	19	..
Greenvale	19.08	4.07	16	17	18.99
Spring Garden	2.99	0.45	11	15	7.95
Hill Gardens	4.27	1.10	4	9	6.98
Buff Bay	3.25	0.53	17	18	9.22
Belvedere, Portland	6.43	1.50	30	13	..
Windsor Castle do	3.61	0.92	16	11	7.05
Balcarres	19.23	4.65	16	12	..
Mt. Holstein	19.11	5.12	6	11	14.07
Cedar Hurst	5.12	1.28	29	9	..
Hardware Gap	6.40	1.45	6	13	5.78
Rose Hill	1.83	0.44	28	9	3.06
Hermitage	0.34	0.11	28	5	..
Stony Hill Ind. Schl.	0.42	0.11	3	7	3.05
Ifer Boreale	..	..	..	..	..
Enfield	11.13	1.33	5	22	..
Agualta Vale	2.41	0.49	5	12	7.30

STATION.	January, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Average.	
	In.	In.	Days on which 0.01 or more fell.	In.	
NORTH-EASTERN DIVISION, contd.					
Castleton Gardens	6.52	1.93	6	12	9.08
Water Valley	2.14	0.55	6	11	8.11
Albany	2.23	0.56	16	14	..
Lawrence Tavern	0.00	..	..	..	2.26
Platfield	..	..	..	..	6.67
Richmond, St. Mary	2.59	0.76	6	13	6.88
Quebec, St. Mary	2.86	0.89	4	8	7.15
Zion Hill	0.44	0.16	16	3	..
Carew Castle	1.77	0.75	31	4	2.85
Hampstead, St. Mary	3.32	1.15	5	11	10.56
Windsor Castle do	4.18	1.28	7	8	..
Troja	2.67	1.00	5	8	..
Pear Tree Grove	1.39	0.87	5	5	..
Guys Hill	3.92	1.50	4	5	..
Lucky Hill	3.43	1.17	5	10	7.76
Rio Hoe	4.78	1.85	5	6	5.75
Unity Valley	2.82	1.08	5	12	4.95
Moneague	5.04	1.72	5	10	4.62
Claremont	4.69	1.40	5	7	5.93
Averham Park	5.66	2.05	5	8	7.08
Albion	4.45	1.42	5	11	5.27
NORTHERN DIVISION (N.)					
Port Maria	3.03	1.54	4	10	6.16
Sand Hill	2.98	0.88	5	9	..
Eden Park	1.84	0.80	4	10	..
Oracabessa	1.37	0.75	4	4	..
New Ramble	..	..	..	..	8.04
Huddersfield	1.70	1.12	4	2	..
Ocho Rios	1.72	0.50	12	6	4.69
Bogue, Ocho Rios	1.98	1.00	6	4	5.66
Drax Hall	1.71	0.70	17	6	6.27
Rockfield	3.54	0.97	6	8	8.60
Liberty Hill	1.54	1.00	5	4	7.27
St. Ann's Bay	1.95	0.67	17	11	4.97
Seville	1.62	0.72	5	4	5.86
Richmond Estate	0.16	0.29	17	10	5.96
Llandoverly	..	..	..	..	6.17
Runaway Bay	0.96	0.56	5	2	..
Knappdale	5.07	0.98	3	14	..
Alexandria	1.41	1.10	5	4	..
Brown's Town	6.07	1.30	6	11	5.82
Watt Town, St. Ann	2.43	1.93	6	2	..
Home Castle	..	..	..	..	5.70
Richmond Pen	1.50	0.60	5	5	3.36
Bryan Castle	4.70	2.50	4	7	4.94
Braco	1.85	0.70	4	6	4.38
Arcadia	3.45	1.80	4	10	5.02
Vale Royal	..	..	..	..	5.30
Harmony Hall	1.32	0.48	31	3	4.20
Coichis Pen	5.08	1.10	4	11	3.10
Duncans	1.60	0.34	31	8	..
Clark's Town	3.31	1.45	4	7	..
Carey Park	1.53	0.83	4	7	..
Falmouth	1.84	0.87	4	9	3.67
Canaan	1.78	0.54	31	5	3.45
Grange	1.65	0.90	4	3	..
Success	..	..	..	..	2.09

STATION.	January, 1928.					STATION.	January, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL DIVISION, contd.	In.	In.			In.
Rose Hall .. .. .	..	..	..	..	3.56	Troy	1.40	1.40	31	1	2.20
Cinnamon Hill .. .. .	..	..	..	..	3.71	Wallingford	1.07	0.50	4	7	1.94
Tryall .. .. .	..	..	..	..	1.74	Balaclava	0.54	0.23	8	4	1.94
Running Gut .. .. .	..	..	..	..	3.78	Appleton	0.54	0.34	8	5	..
Spring Estate .. .. .	..	..	..	..	4.33	Deeside	1.06	0.61	31	6	..
Friendship .. .. .	..	..	..	..	..	Maggotty	0.12	0.12	8	1	2.93
Retirement .. .. .	..	..	..	..	..	Lacovia	0.97	0.97	7	1	..
Belfield	2.62	0.75	5	7	3.54	Ipswich	0.74	0.26	19	7	..
Montego Bay	2.19	0.57	4	8	2.93	Kempshot	4.11	1.22	6	7	3.78
Anchovy	1.21	0.72	31	5	3.12	Garlands	2.01	0.43	3	5	..
Blue Hole	5.68	2.10	4	8	..	Mochó, St. James	2.40	1.00	31	6	..
Kew	4.55	1.55	31	3	2.10	Bandon Pen	1.37	0.65	6	3	..
Lucea	4.27	1.90	5	7	3.19	Springfield, St. Eliz.	1.09	0.56	13	4	..
Haughton Court	4.90	1.95	5	4	2.52	Catadupa	1.30	1.05	31	4	..
Cousins Cove	5.55	4.85	5	4	..	Cambridge, St. Jas.	4.28	2.11	31	10	2.66
Green River .. .. .	..	..	..	..	..	New Market	1.16	0.46	19	3	2.42
Green Island	3.67	2.32	5	6	..	Kew Park	1.32	0.42	28	5	2.17
Haughton Hall	3.58	2.17	5	4	..	Montpelier	2.46	0.66	31	6	..
CENTRAL SUB- DIVISION.						The Bog	1.82	0.83	31	6	3.27
Knollis	0.90	0.60	31	4	..	Bethel Town Dist.	1.86	0.72	31	8	..
Highgate	0.99	0.46	7	5	..	Burnt Ground .. .. .	..	..	..	..	2.91
Rio Magno	2.90	0.75	6	10	..	Haughton Grove .. .. .	..	..	..	..	3.27
Riversdale	2.78	1.90	31	6	..	Darliston	1.09	0.65	31	5	2.99
Headworks, R.C.C.	0.00	..	..	..	1.78	Knockalva	3.44	1.71	31	7	3.25
Berkshire Hall .. .. .	..	..	..	..	2.99	Ramble	2.90	0.86	31	7	..
Bog Walk	0.60	0.40	31	2	..	Bluefields	0.68	0.40	31	3	2.87
Linstead	1.72	1.30	31	5	2.14	Whithorn	0.80	0.30	31	5	2.34
Cave Valley	0.95	0.25	6	4	2.26	Water Works Pen	0.61	0.20	31	6	3.27
Point Hill	1.84	1.20	31	7	3.39	Askenish	3.72	1.02	1	7	..
Bellas Gate	0.00	..	..	..	..	Grange Hill	2.76	1.50	31	6	2.34
Crofts Hill	0.87	0.27	6	4	1.94	King's Vale	4.24	2.20	31	7	3.18
Suttons	0.92	0.53	31	2	..	SOUTHERN DIVISION (S.)					
Chapelton	1.92	0.72	8	10	2.14	Morant Point L. H.	2.07	0.56	17	12	4.38
Crooked River	0.66	0.28	4	4	..	Golden Grove	2.70	0.84	19	7	..
Trout Hall	0.30	0.20	31	2	2.01	Pleasant Hill	3.09	0.51	31	16	..
James Hill	0.93	0.61	16	2	..	Phillipsfield	1.96	0.71	24	13	..
Frankfield	0.72	0.22	8	5	..	Bowden	1.83	0.59	24	12	..
WEST-CENTRAL DIVISION (W.C.)						East Prospect	2.45	0.76	17	12	3.93
Mochó, Clarendon	0.75	0.50	11	2	2.30	Morant Bay	1.05	0.32	17	12	2.93
Clarendon Park	0.09	0.09	20	1	..	Aeolus Valley	0.73	0.35	17	5	..
Spaldings	1.78	0.50	13	8	..	Yallahs	0.25	0.14	17	2	..
Williamsfield	1.42	1.42	31	1	..	Easington	0.24	0.10	13	4	1.76
Brokenhurst	0.40	0.13	6	5	3.24	Norris	0.08	0.05	31	2	..
Shooters Hill	0.43	0.36	31	2	2.14	Mavis Bank	0.00	..	..	..	0.98
Lowe River	2.56	1.20	5	4	3.31	Bull Bay	0.00	..	..	..	3.28
Christiana	1.63	0.47	20	11	2.36	Bellevue .. .. .	..	..	..	..	3.70
Clifton Hill	0.85	0.80	31	2	..	Gordon Town	0.05	0.05	30	1	2.34
Kendal, Manchester	0.35	0.35	31	1	..	Irish Town	0.45	0.25	4	2	1.84
Battersea .. .. .	..	..	..	..	..	Hope Gardens	0.07	0.03	30	3	..
Bleak House	0.25	0.15	5	4	..	Ivor	0.09	0.09	13	1	..
Mereworth	0.19	0.11	4	2	..	Plumb Point L. H.	0.00	..	..	..	0.84
Mandeville	0.47	0.25	31	5	3.28	King's House Gar.	0.00	..	..	..	1.39
Chudleigh .. .. .	..	..	..	..	2.36	N.E. Kingston .. .. .	..	..	..	..	1.06
Ulster Spring	2.24	0.59	4	10	3.38	Upper Kingston	0.31	0.27	30	2	..
Marshall's Pen	0.53	0.40	31	3	3.05	Kingston P.W.O.	0.16	0.16	30	1	0.96
Greenvale .. .. .	..	..	..	..	..	Halfway Tree	0.00	..	..	..	1.07
Albert Town	2.16	0.60	5	6	3.00	Clifton Pen	0.12	0.12	30	1	0.89
Warsop	1.46	0.52	4	7	..						

* Gauge overflowed.

STATION.	January, 1928.					STATION.	January, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		In.	Amount.					Date.	In.			Amount.	Date.
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Farm I.	0.10	0.10	30	1	1.02	Great Valley, Man.	0.00	..	..	..	2.30
Quarantine Station . . . . .	..	..	..	..	..	Alligator Pond	0.35	0.19	23	6	1.64
Cumberland Pen . . . . .	..	..	..	..	..	Fairfield	0.00	..	..	..	2.64
Watson Grove . . . . .	..	..	..	..	..	Lititz	0.00	..	..	..	1.76
Great Salt Pond	0.00	..	..	..	..	Myersville	0.35	0.35	22	1	..
Hematine	0.02	0.01	17	2	1.50	Gilnock	0.19	0.12	17	2	2.56
Spanish Town	0.13	0.10	17	4	..	Southfield, St. Eliz.	0.08	0.08	5	1	2.57
The Stewartry	0.00	..	..	..	1.72	Bethlehem, St. Eliz.	0.33	0.18	23	2	2.42
Hog Hole, St. Cath.	0.00	..	..	..	1.68	Torrington	0.67	0.38	23	3	2.52
Hartlands	0.00	..	..	..	..	Santa Cruz	0.22	0.09	12	4	1.96
Amity Hall	0.03	0.02	23	2	..	Pedro Plains . . . . .	..	..	..	..	..
Bushy Park	0.19	0.14	17	2	2.22	Mountainside	0.13	0.13	5	1	..
Old Harbour	0.17	0.08	17	3	1.47	Fort Charles	0.01	0.01	23	1	1.67
May Pen	0.00	..	..	..	2.11	Black River	1.30	1.20	21	2	1.74
Glen Muir	0.10	0.05	4	2	1.53	Font Hill	1.01	0.85	31	6	2.05
Dry River, Vere	0.05	0.04	4	2	..	Mount Edgecombe	1.19	0.64	31	4	1.90
New Yarmouth	0.30	0.18	1	2	2.04	Sweet River	1.38	1.03	31	4	1.65
Cottage	0.00	..	..	..	..	Sav.-la-Mar	1.80	1.17	31	6	2.73
Belle Plain . . . . .	..	..	..	..	..	Orchard	0.89	0.48	31	5	..
Milk River . . . . .	..	..	..	..	..	Little London	1.02	0.57	31	4	1.66
Retrieve	0.20	0.20	5	1	2.63	Retreat	1.03	0.28	17	7	1.41
Hog Hole, S. Man.	0.47	0.14	6	6	2.75	Negril Point L. H. . . . .	..	..	..	..	..
Stone's Hope . . . . .	..	..	..	..	..	
Newport, Man. . . . .	..	..	..	..	..	

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	January.	
	1928.	Average.
	In.	In.
North-Eastern Division	4.43	7.74
Northern	2.36	3.83
West-Central	1.52	2.87
Southern	0.50	1.94
The Island	2.20	4.10

SHOCKS OF EARTHQUAKE IN JANUARY, 1928.

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
15	4.00 p.m.	I	Ivor.
15	3.57 p.m.	I	Kingston—S.E. N.W. Hor. movement 0.010 ^o inch, lasting one second.
15	..	"	Enfield—between and 3.35 p.m.*
			4.38
			5.02
			5.30
			3 4.20
			1 3.10
			8 ..
			7 ..
			7 ..
			9 3.67
			*From Daily G5 3.45
			3 ..
			2.09

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—JANUARY.

The mean rainfall for the month was again very deficient, being about 50% of the 50-year average. The Southern Division suffered most, having only about 25% of its normal rainfall. No rain fell at 16 Stations and at 5 other Stations the fall did not exceed 0.05 inch.

Most of this small precipitation occurred during the first week of the month.

The average number of rainy days was as follows:—North-Eastern 11, Northern 6, West-Central 5 and Southern 3, giving an average of only 6 for the Island.

The greatest total fall for the month was 19.23 ins. at Balcarres in the North-Eastern Division, and the heaviest fall in 24 hours was 5.12 ins. at the same Station on the 6th.

The mean rainfall in each parish is given below:—

	Ins.		Ins.
Kingston	0.16	St. James	2.15
St. Andrew	1.16	Hanover	4.23
St. Thomas	1.48	Westmoreland	1.47
Portland	7.61	St. Elizabeth	0.50
St. Mary	3.45	Manchester	0.50
St. Ann	2.91	Clarendon	0.63
Trelawny	2.37	St. Catherine	0.97

AT KINGSTON.

For the month of January the rainfall was only one-sixth of the 50-year normal of 0.96 inch with one rainy day on 30th. Rain was observed on the nearby hills on two days to northward, one day to north-eastward, one day to eastward and one day to south-east.

The mean of the daily miles of wind registered was only 149, and the 20-year average 166. Maximum miles of wind in one day 252 on 31st and the minimum 99 on 22nd. South-easterly wind was much below the normal. The usual afternoon wind was frequently to south. South-east wind, however, continued until late into the evenings of 13th, 24th, 26th and 31st.

The mean barometric pressure was 29.996 ins. the 33-year normal being 29.974 ins. Highest barometer reading was 30.083 ins. on 6th at 3 p.m. and the lowest 29.922 ins. on 31st at 7 a.m., (corrected for diurnal var.). The mean temperature, based upon four observations per day, was 75.5 degs. the 33-year normal being 75.8 degs. The first half of the month was 0.3 deg. cooler than the second half. The temperature below normal was particularly marked in the 7 a.m. and maximum observations. The maximum temperature was below 90 degs. throughout and the minimum temperature was above 70 degs. on four days. Highest maximum temperature was 88.8 degs. on 15th and lowest minimum temperature 64.4 degs. on 19th. The mean relative humidity was 74% or 4% below normal owing no doubt to the rainfall deficiency. The mean 7 a.m. was 83% (normal 85%) and mean 3 p.m. 60% (normal 66%). Lowest 7 a.m. 71% on 10th, and lowest 3 p.m. 47% on 14th.

The sky was overcast on 7 occasions in the forenoon and 15 in the afternoon.

"Northers" were experienced on 10th, 28th and 29th.

There were no indications of distant lightning or thunderstorm during the month.

Rainfall for the upper boundary of Kingston 0.31 inch with two rainy days.

There was a slight shock of earthquake on 15th at 3.57 p.m. direction SE-NW. Horizontal movement 0.010 inch, duration about one second.

The total Evaporation for the month was 4.52 ins. and the mean number of daily sunshine hours was 6.4.

NEGRIL POINT.

A Table shewing the mean Meteorological Results for the Station at Negril Point Light House (situated at the extreme west of the Island), for the year 1927, is appended. The extreme maximum temperature was 94.4 degs. on 14th May and the extreme minimum temperature 62.5 degs. on 30th January. Greatest monthly rainfall 20.25 ins. in October. The year's rainfall 50.01 ins. was below the normal of 54.49 ins. The observations were conducted by Mr. J. S. Brownhill, the Superintendent of the Light House.

TABLES OF DEW POINT AND RELATIVE HUMIDITY.

Shortly after the commencement of observations by the Jamaica Weather Service in June, 1881, the figures denoting the Dew Point and Humidity of the surface air, were computed according to the Tables of James Glaisher, F.R.S., entitled "Hygrometrical Tables adapted to the use of the Dry and Wet bulb Thermometer," and continued to be used until December, 1927. Recently, the Air Ministry, through the Meteorological Office, London, submitted an improved Set of "Hygrometrical Tables" and advised its use, instead. These Tables were adopted from January 1st, 1928, by all Stations in Jamaica reporting such particulars.

The application of these Tables for Kingston will give a slightly higher percentage value to Humidity res. For the year it has been found that the usual 7 a.m. observations produce about one per cent. increase, and the 3 p.m. observations about three per cent. increase. It may be estimated that the general results will shew an average increase of about two per cent.

The Dew Point temperature will, in the future, be given to the nearest degree (fractions omitted), commencing from January 1st, 1928.

J. F. BRENNAN,
Government Meteorologist.

Kingston, February 20th, 1928.

Negril Point Lighthouse, Jamaica, Mean Meteorological Results for the year 1927, Latitude 18° 15' North, Longitude 78° 23' West.

Month.	Bar Pressure.		TEMPERATURES (Fah.).						Extremes for Month.				Dewpoint & Humidity.			Rainfall.	
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.	7 a.m.	3 p.m.	%	Total.	No. of rainy Days.
	Inch.	Inch.	°	°	°	°	°	°	°	°	°	°	°	°	%	Inch.	
January	.0016	.970	72.1	82.0	85.3	69.2	16.1	91.3	19	62.5	30	28.8	65.3	79	59	0.24	3
February	.041	.989	71.4	82.7	86.1	69.1	17.0	89.0	5	63.5	14	25.5	64.9	80	61	1.14	7
March	.013	.971	71.7	83.6	86.7	69.3	17.4	91.7	18	64.3	30	27.4	65.4	81	60	0.13	4
April	.053	.906	75.6	85.2	88.0	71.2	16.8	90.7	1	67.6	4	23.1	66.7	74	56	1.10	6
May	.060	.924	78.1	85.9	89.6	72.2	17.4	94.4	14	69.4	9	25.0	69.2	74	64	6.79	23
June	.071	.937	78.3	83.7	88.3	72.7	15.6	92.5	28	68.8	1	23.7	70.5	77	72	2.40	13
July	.086	.959	77.2	84.4	89.0	72.3	16.7	93.6	6	69.6	18	24.0	71.7	83	74	8.93	21
August	.089	.903	76.9	84.7	89.2	72.9	16.3	91.6	29	68.5	14	23.1	72.5	80	71	2.84	17
September	.084	.852	76.7	86.0	90.0	73.4	16.6	93.9	15	70.6	2	23.3	73.4	90	67	4.25	16
October	.045	.808	77.0	83.8	88.0	73.7	14.3	92.0	5	70.6	9	21.4	72.6	86	73	20.25	22
November	.000	.851	76.6	83.9	87.0	73.9	13.1	91.9	28	68.6	13	23.3	71.0	83	70	1.73	9
December	.071	.920	71.6	84.4	86.6	69.3	17.3	90.4	10	65.6	24	24.8	65.7	82	61	0.21	1
Means	.057	.916	75.3	84.2	87.8	71.6	16.2	91.9	..	67.5	..	24.4	69.1	81	71.3	..	..
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50.01	142

Barometer pressure reduced to Standard of Key, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75° Meridian West of Greenwich, Standard time used. Altitude of Barometer above Mean Sea Level 33 ft. Height of Thermometer above ground 4 ft. 6 in. Height of Rain Gauge above the ground 6 ft. 5 in. Height of Anemometer above the ground 94 feet.

Negril Point Lighthouse Mean Results 1927 (contd.)

Month.	Wind Miles per diem.	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.	7 a.m.	3 p.m.	11 p.m.	7 a.m.	3 p.m.	7 a.m.	7 a.m.	7 a.m.		3 p.m.		
January	200	N.N.E.	12.1	N.	16.0	N.E.	10.8	1.2	0.9	1.1	3.5	1.0	2.0	Clear 6, Cloudy 12, Overcast 10, Rain 3, Distant Lightning on 29th, Rainfall below average, Brisk N.E. winds throughout.
February	244	N.E.	9.8	Var.	12.5	E.	10.1	1.0	2.0	1.3	4.9	0.5	0.0	Clear 4, Cloudy 15, Overcast 2, Rain 7, Distant Lightning on 19th, Rainfall below the average.
March	229	N.E.	8.3	Var.	12.2	E.N.E.	7.3	0.6	0.6	0.7	5.1	0.2	0.6	Clear 8; Cloudy 18; Overcast 1; Rain 4; Rainfall below average; Earthquake Shock at 11.26 p.m. on 4th; Amplitude 0.01 on N & S.
April	209	N.E.	6.6	E.	11.2	E.	7.6	0.6	1.3	1.1	5.0	2.5	1.5	Clear 4; Cloudy 13; Overcast 7; Rain 6; Thunderstorm 2 days; Thunder and Lightning on many days; Rainfall below average.
May	188	N.E.	7.5	S.E.	9.3	N.E.	7.4	0.9	1.9	0.8	6.2	3.2	0.4	Cloudy 4; Overcast 4; Rain 23; Thunderstorm 5; Distant Thunder and Lightning on many days; Rainfall the average.
June	187	N.E.	6.6	E.	10.9	E.	6.2	0.9	1.7	0.4	6.0	5.6	1.0	Cloudy 8; Overcast 9; Rain 13; Thunderstorm 8; Distant Thunder and Lightning on many days; Rainfall half the average.
July	169	N.E.	6.7	E.	9.2	E.	5.9	1.0	1.6	0.6	6.6	5.8	0.4	Clear 1; Cloudy 2; Overcast 7; Rain 21; Thunderstorm 17; Distant Thunder and Lightning on many days; Rainfall below average.
August	166	N.E.	7.3	N.E.	9.4	E.	6.6	0.6	1.6	0.6	6.8	3.3	0.1	Clear 2; Cloudy 9; Overcast 3; Rain 17; Thunderstorm 13; Distant Thunderstorm and Lightning on many days; Rainfall below average.
September	161	E.	6.0	E.N.E.	8.4	N.E.	5.8	0.3	1.5	0.5	5.1	5.5	0.9	Clear 3, Cloudy 5; Overcast 6; Rain 16; Thunderstorm 15; Distant Thunderstorm and Lightning on many days. Rainfall below average.
October	243	N.E.	8.4	E.S.E.	12.8	E.N.E.	8.4	2.3	2.6	1.4	5.0	4.4	1.6	Cloudy 5; Overcast 4; Rain 22; Thunderstorm 12; Distant Thunder and Lightning on a few days; Rainfall above the average.
November	267	NNE	11.0	NNE	10.9	N.E.	9.9	1.5	1.0	2.0	4.5	3.9	1.8	Cloudy 15; Overcast 6; Rain 9; Thunderstorm 2; Distant Thunder and Lightning on 4 days; Rainfall below average; Light "northerners" 19th to 21st.
December	234	N.E.	8.2	N.E.	11.6	N.E.	8.2	1.0	0.2	0.4	3.6	0.2	0.3	Clear 10; Cloudy 20; Rain 1; Rainfall below average.
Means	216	N.E.	8.2	E.N.E.	11.2	E.N.E.	7.9	1.0	1.4	0.9	5.2	3.1	0.9	Rainfall for the year was 4.48 inches below the average with 142 rainy days.



JAMAICA
WEATHER REPORT.
 FOR THE MONTH OF
 FEBRUARY, 1928.

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, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.
 The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.		Temperature.				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	30.034	29.937	77.5	80.2	81.4	73.7	7.7	83.0	16	64.8	12	18.2
Kingston	24	30.010	29.947	69.1	83.3	85.3	68.1	17.2	88.6	19	64.7	12	23.9
Negril Pt. Light House	33	30.019	29.954	71.2	84.7	87.5	68.3	19.2	92.9	21	63.6	14	29.3
Castleton Gardens	496			65.2	78.5	85.2	64.3	20.9	89.0	17*	59.0	12	30.0
Hope Gardens†	668	29.986	29.840	65.0	76.8	83.2	63.5	19.7	89.0	20	61.0	9*	28.0
Stony Hill Indus. School	1,400			67.5	77.6	79.4	65.7	13.7	82.0	12*	64.0	19	18.0
Hill Gardens	4,900	25.312	25.272	61.4	64.4	67.6	53.6	14.0	71.0	2*	51.0	15	20.0

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.	L.	M.	U.	L.	M.	U.
	ft.	°	%	°	%	in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	867.	77	70.	70	1.57	306	N.E	14.5	N.E	14.0	2.6	1.7	0.2	1.4	3.3	1.1	
Kingston	2464.	83	68.	60	0.29	193	N.	5.8	S.E	13.5	1.0	0.8	0.4	2.1	1.6	0.2	
Negril Point Light House	3366.	84	72.	66	2.37	217	N.E	8.8	S.E.	14.0	1.0	0.2	0.9	1.0	4.3	0.4	
Castleton Gdns.	49663.	95	73.	84	2.13	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	66862.	89	73.	86	0.33	..	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,40066.	94	63.	90	0.36	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,90057.	85	60.	86	1.28	..	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

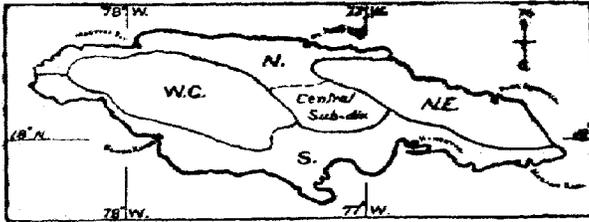
† Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.



February, 1923.

STATION.	Total Fall.		Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	In.	In.	Amount.	Date.		
February, 1923.						
NORTH-EASTERN DIVISION (N.E.)						
Manchioneal	2.71	1.00	11	5	5.57	
Priestman's River	3.42	2.22	28	5		
Fairy Hill						
Bath	1.73	0.44	7	8	4.43	
Millbank	8.17	2.20	20	13		
Moore Town	5.87	1.00	12	17	12.92	
Port Antonio	1.79	0.47	11	10	6.04	
Passley Garden	3.07	1.24	5	15		
Fellowship	3.89	0.75	5	20	10.47	
Johnson River Br.	0.97	0.35	11	5	2.21	
Trinity Ville	0.46	0.28	8	2		
Shrewsbury	4.75	1.30	20	14	11.36	
Hope Bay	2.10	0.45	28	12		
Cedar Valley	0.63	0.33	8	2	2.50	
Moy Hall	0.72	0.25	8	7		
Paradise	3.34	1.55	20	10		
Lennox						
Greenvale	9.57	5.55	20	9	11.36	
Spring Garden	1.69	0.30	5	10	8.42	
Hill Gardens	1.28	0.36	11	6	4.07	
Buff Bay	1.58	0.51	5	9	7.71	
Belvedere, Portland	2.72	0.87	21	6		
Windsor Castle do	1.74	0.45	28	7	6.23	
Balcarres	9.45	4.25	20	7		
Mt. Holstein	3.46	1.65	21	4	6.93	
Cedar Hurst	0.38	0.11	19	5		
Hardware Gap	1.23	0.46	26	4	3.36	
Rose Hill	0.49	0.25	8	4	4.26	
Hermitage	0.11	0.05	21	3		
Stony Hill Ind. Schl	0.36	0.14	18	3	2.26	
Iter Boreale						
Enfield	2.19	0.72	19	12		
Agualta Vale	0.59	0.10	20	9	5.33	
NORTH-EASTERN DIVISION, contd.						
Castleton Gardens	2.13	0.95	20	7	4.94	
Water Valley	0.98	0.20	29	11	4.83	
Albany	0.62	0.17	13	7		
Lawrence Tavern	0.00	..	..	0	2.29	
Platfield	..	..	..	..	3.39	
Richmond, St. Mary	1.26	0.44	20	10	4.53	
Quebec, St. Mary	2.14	0.95	19	8	4.76	
Zion Hill	0.59	0.53	1	2		
Carew Castle	0.00	..	..	0	2.12	
Hampstead, St. Mary	1.58	0.34	19	10	7.01	
Windsor Castle do	1.40	0.80	21	4		
Troja	0.65	0.20	19	4		
Pear Tree Grove	0.58	0.41	2	3		
Guys Hill	0.50	0.50	21	1		
Lucky Hill	1.35	0.68	20	10	4.72	
Rio Hoe	1.40	0.75	20	3	3.95	
Unity Valley	0.63	0.21	28	9	3.50	
Moneague	1.43	0.36	4	7	3.92	
Claremont	1.55	0.53	28	6	3.87	
Averham Park	1.65	0.55	5	6	4.25	
Albion	1.02	0.24	5	11	3.49	
NORTHERN DIVISION (N.)						
Port Maria	1.11	0.44	4	6	5.38	
Sand Hill	..	..	..	..	..
Eden Park	2.30	0.77	3	10	..	
Oracabessa	1.37	0.45	24	5	..	
New Ramble	..	..	..	..	5.30	
Huddersfield	0.60	0.44	28	2	..	
Ocho Rios	0.60	0.30	3	5	3.77	
Bogue, Ocho Rios	0.70	0.45	4	3	4.79	
Drax Hall	..	..	..	..	4.39	
Rockfield	2.29	1.48	28	8	5.48	
Liberty Hill	2.02	1.00	28	4	4.86	
St. Ann's Bay	1.29	0.65	28	8	4.76	
Seville	..	..	..	..	4.29	
Richmond Estate	1.59	0.75	5	6	4.28	
Llandoverly	..	..	..	..	4.52	
Runaway Bay	0.25	0.15	9	2	..	
Knapsdale	1.77	0.77	20	6	..	
Alexandria	..	..	..	..	..
Brown's Town	1.22	0.42	19	6	4.16	
Watt Town, St. Ann	0.00	..	..	0	..	
Home Castle	..	..	..	..	3.29	
Richmond Pen	..	..	..	..	2.21	
Bryan Castle	0.25	0.15	6	2	2.45	
Braco	0.20	0.10	29	3	2.27	
Arcadia	0.80	0.35	28	5	2.62	
Vale Royal	..	..	..	..	2.62	
Harmony Hall	..	..	..	..	2.46	
Colchis Pen	0.58	0.27	28	5	1.64	
Duncans	0.54	0.34	1	2	..	
Clark's Town	0.55	0.30	28	4	..	
Carey Park	0.37	0.30	28	3	..	
Falmouth	0.61	0.55	27	2	1.84	
Canaan	0.25	0.25	28	1	2.14	
Grange	0.95	0.06	2	2	..	
Success	..	..	..	..	2.22	

STATION.	February, 1928.					STATION.	February, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL <i>DIVISION, contd.</i>	In.	In.			In.
Rose Hall .. .. .	..	..	..	..	2.35	Troy	3.26	1.90	21	4	2.98
Cinnamon Hill .. .. .	..	..	..	..	2.54	Wallingford	1.19	0.46	1	4	2.83
Tryall .. .. .	..	..	..	..	1.14	Balacava	1.20	0.45	28	5	2.21
Running Gut .. .. .	..	..	..	..	2.11	Appleton	1.35	0.51	21	7	..
Spring Estate .. .. .	..	..	..	..	2.56	Deeside	0.18	0.12	21	4	..
Friendship	0.75	0.40	27	2	..	Maggotty	2.17	1.15	1	4	3.02
Retirement	0.57	0.37	28	5	2.25	Lacovia	1.25	0.97	7	3	..
Belfield	0.54	0.46	28	3	1.72	Ipswich	2.61	1.25	6	8	..
Montego Bay	0.11	0.07	27	3	1.84	Kempshot	0.19	0.10	28	4	2.77
Anchovy	0.13	0.05	20	3	2.25	Garlands	0.65	0.28	27	3	..
Blue Hole	1.47	1.39	27	3	..	Mocho, St. James	0.50	0.25	8	3	..
Kew	0.00	..	..	0	2.20	Bandon Pen	0.24	0.24	27	1	..
Lucea	0.08	0.06	27	2	2.33	Springfield, St. Eliz.	1.35	0.48	6	6	..
Haughton Court .. .. .	..	..	..	..	1.99	Catadupa	0.40	0.40	8	1	3.48
Cousins Cove	0.30	0.30	27	1	..	Cambridge, St. Jas.	0.27	0.27	28	1	3.79
Green River .. .. .	..	..	..	..	..	New Market	2.22	0.95	20	7	..
Green Island	0.23	0.23	27	1	..	Kew Park	0.66	0.60	28	2	2.51
Haughton Hall	0.18	0.16	27	2	..	Montpelier .. .. .	..	..	..	..	..
CENTRAL SUB- DIVISION.						The Bog	2.05	1.05	1	6	4.00
Knollis	0.00	..	..	0	..	Bethel Town Dist.	1.53	0.51	27	5	..
Highgate .. .. .	..	..	..	..	..	Burnt Ground	0.52	0.20	29	4	2.43
Rio Magno	1.54	0.80	27	6	..	Haughton Grove .. .. .	..	..	..	..	3.13
Riversdale	0.05	0.05	19	1	..	Darliston	4.01	2.31	21	7	3.41
Headworks, R.C.C.	0.19	0.19	28	1	1.52	Knockalva	0.24	0.10	28	4	4.88
Berkshire Hall .. .. .	..	..	..	..	2.10	Ramble	1.15	1.04	21	2	..
Bog Walk	0.00	..	..	0	..	Bluefields	1.62	0.40	20	6	3.80
Linstead	0.04	0.04	8	1	1.93	Whithorn	0.29	0.15	29	3	3.15
Cave Valley	0.15	0.15	28	1	2.17	Water Works Pen	0.30	0.12	29	6	..
Point Hill	0.17	0.07	21	4	3.61	Askenish	2.35	1.30	27	3	..
Bellas Gate	0.97	0.70	28	2	..	Grange Hill	0.69	1.42	27	6	2.39
Crofts Hill	1.23	1.23	28	1	1.56	King's Vale	0.88	0.75	27	2	2.80
Suttons	0.93	0.73	28	2	..	SOUTHERN DIVISION (S.)					
Chapelton	0.70	0.60	28	2	1.72	Morant Point L. H.	1.57	0.45	7	9	2.89
Crooked River	1.06	1.06	28	1	..	Golden Grove	1.21	0.61	5	4	..
Trout Hall	1.83	1.70	28	2	1.81	Pleasant Hill	1.73	0.46	5	10	..
James Hill	2.19	2.01	28	3	..	Phillipsfield	1.97	0.54	2	7	..
Frankfield	1.56	1.26	28	2	..	Bowden	0.71	0.35	7	7	..
WEST-CENTRAL DIVISION (W.C.)						East Prospect	1.25	0.36	5	9	2.18
Mocho, Clarendon	0.14	0.14	22	1	1.45	Morant Bay	1.15	0.35	7	10	1.98
Clarendon Park	1.00	0.70	1	2	..	Aeolus Valley	0.48	0.15	8	5	..
Spaldings	0.92	0.43	28	5	..	Yallahs .. .. .	..	..	..	..	..
Williamsfield	0.54	0.23	9	4	..	Easington	0.68	0.36	28	6	1.43
Brokenhurst	1.04	0.57	9	4	2.37	Norris .. .. .	..	..	..	..	..
Shooters Hill	0.40	0.19	19	3	1.88	Mavis Bank	0.45	0.30	11	..	..
Lowe River	1.08	1.04	28	2	2.86	Bull Bay	0.00	..	..	0	0.48
Christiana	0.56	0.41	28	4	2.42	Bellevue .. .. .	..	..	..	..	2.62
Clifton Hill	0.71	0.25	28	4	..	Gordon Town	0.22	0.16	12	3	1.63
Kendal, Manchester	0.76	0.57	9	2	2.32	Irish Town	0.47	0.30	29	3	1.34
Battersea .. .. .	..	..	..	..	..	Hope Gardens	0.33	0.17	11	4	1.18
Bleak House	0.34	0.30	28	2	..	Ivor	0.23	0.23	11	1	..
Mereworth	1.06	0.46	9	3	..	Plumb Point L. H.	0.13	0.10	28	2	0.65
Mandeville	0.64	0.42	28	3	2.69	King's House Gar.	0.00	..	..	0	1.27
Chudleigh .. .. .	..	..	..	..	2.90	N.E. Kingston .. .. .	..	..	..	..	0.60
Ulster Spring	0.34	0.28	28	3	2.97	Upper Kingston	0.08	0.05	28	3	..
Marshall's Pen	0.63	0.30	28	4	2.94	Kingston P.W.O.	0.20	0.20	28	1	0.60
Greenvale .. .. .	..	..	..	..	..	Halfway Tree	0.91	0.51	5	4	0.80
Albert Town	0.69	0.35	27	4	2.65	Clifton Pen	0.33	0.29	28	2	0.48
Warsop	1.31	0.80	21	4	..						

STATION.	February, 1928.					STATION.	February, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Farm I						Great Valley, Man. ..	0.75	0.37	12	3	2.26
Quarantine Station ..	2.50	0.50	28	1	0.34	Alligator Pond ..	1.74	0.84	10	3	1.06
Cumberland Pen	0.00			0		Fairfield ..	1.00	0.34	3	9	2.36
Watson Grove						Lititz ..	0.40	0.24	8	3	1.58
Great Salt Pond						Myersville ..	1.10			4	
Hematine	1.81	1.11	28	3		Gilnock ..					
Spanish Town	1.19	0.87	28	4	1.22	Southfield, St. Eliz. ..	1.99	1.11	10	5	1.98
The Stewartry	1.18	0.86	28	4		Bethlehem, St. Eliz. ..	2.87	1.03	6	8	2.26
Hog Hole, St. Cath. ..	0.00			0	1.70	Torrington ..	0.94	0.58	5	4	2.28
Hartlands	0.55	0.20	28	3	1.26	Santa Cruz ..	2.01	1.25	6	7	2.33
Amity Hall	0.79	0.66	5	5		Pedro Plains ..	1.19	0.73	10	7	1.08
Bushy Park	0.68	0.58	5	3		Mountainside ..	3.58	1.18	9	8	
Old Harbour	0.55	0.25	20	4	1.67	Fort Charles ..	1.62	0.55	5	8	
May Pen	1.96	1.44	28	5	1.62	Black River ..	0.66	0.23	21	5	1.69
Glen Muir	1.00	1.00	28	1		Font Hill ..	1.40	1.20	5	2	1.48
Dry River, Vere	0.37	0.16	8	3	1.00	Mount Edgecombe ..	1.36	0.55	1	7	2.40
New Yarmouth					1.12	Sweet River ..	0.80	0.30	27	4	2.77
Cottage	0.61	0.55	10	2		Sav-la-Mar ..	0.45	0.16	5	6	2.10
Belle Plain	0.62	0.35	1	6		Orchard ..	1.72	0.77	21	6	2.27
Milk River	0.00			0	1.32	Little London ..	1.84	1.02	28	6	
Retrieve	0.70	0.48	11	2		Retreat ..	0.36	0.24	8	2	2.51
Hog Hole, S. Man. ..						Negril Point L. H. ..	2.37	1.87	27	4	1.74
Stone's Hope	0.51	0.18	17	5	2.03						
Newport, Man.	1.24	0.62	9	6	2.45						

NOTES.

SHOCKS OF EARTHQUAKE IN FEBRUARY, 1928.

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

DIVISIONAL AND ISLAND RAINFALL.	February.		Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
	1928.	Average.				
	In.	In.				
North-Eastern Division ..	1.92	5.51	13	3.40 p.m.	I	Comfort Hall.*
Northern ..	0.71	2.48	13	3.35 p.m.	I	Craighead.*
West-Central ..	1.00	2.69				
Southern ..	0.95	1.57				
The Island ..	1.14	2.06				*From Daily Gleaner.

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—FEBRUARY.

The Mean Rainfall for the month was again very deficient, being only a little over one-third of the 50-year average. No rain fell at 10 Stations.

Most of this small precipitation fell during the last week of the month.

The average number of rainy days was as follows:—North-Eastern Division 7, Northern 3, West Central and Southern Divisions 4 each, giving an average of only 4 for the Island.

The greatest total for the month was 9.57 ins. at Greenvale in the North-Eastern Division, and the heaviest fall in 24 hours was 5.55 ins. at the same Station on the 20th.

The Mean Rainfall in each parish is given below:—

	Ins.		Ins.
Kingston	0.14	St. James	0.43
St. Andrew	0.43	Hanover	0.58
St. Thomas	1.09	Westmoreland	1.31
Portland	3.87	St. Elizabeth	1.64
St. Mary	1.34	Manchester	0.80
St. Ann	1.15	Clarendon	0.95
Trelawny	0.77	St. Catherine	0.66

AT KINGSTON.

The rainfall for the month again shews a deficiency: registering only 0.20 inch, falling on one day, as compared with the 50-year normal of 0.60 inch. The greatest fall for 24 hours was 0.20 inch on 28th. Rain was observed on the nearby hills to northward on 4 days and to the north-east on one day.

The mean of the daily miles of wind registered was 193 as against the 20-year normal of 173. It is worthy of note that for twenty-one months in succession (May 1926 to Jan. 1928) the mean daily miles of wind has been consistently below the average, and further the annual means for the years 1924, 1925, 1926 and 1927 were also below the normal of 182 miles. The maximum miles of wind registered in one day was 452 on 23rd, and the minimum 96 on 29th, south-easterly wind commenced early on 23rd and 24th and continued until late into the evenings of 13th to 17th, and from 22nd to 25th.

No distant lightning or thunderstorm were observed. The sky was over-cast on 2 days in the early morning and on nine days in the afternoon. Haze was apparent upon many occasions in the forenoon.

The mean barometric pressure, for February, was 29.992 ins. the normal being 29.981 ins. Highest barometer reading was 30.065 ins. on 26th at 7 a.m., and the lowest 29.928 ins. on 7th at 3 p.m. (correc. for diur. var.) The mean temperature, based upon four observations per day, was 75.9 degs., the normal being 75.7 degs. The first half of the month was 1.3 deg. lower than the second half—maximum temp. was below 90 degs. throughout, and the minimum temp. was below 70 degs. on 24 days. Highest maximum temp. 88.6 degs. on 19th and the lowest minimum was 64.7 degs. on 12th and 28th. The mean relative humidity was 3% below the 33-year normal, owing partly to deficiency of rainfall and to a greater movement of air. The mean 7 a.m. 83%, and mean 3 p.m. 60%, similar to results derived in January. Lowest 7 a.m. 57% on 23rd, and lowest 3 p.m. 44% on 19th.

The rainfall for the upper boundary of Kingston was 0.08 inch, with three rainy days.

Total evaporation for the month was 5.18 ins.

The mean daily number of sunshine hours was 5.3.

A solar halo was observed on 20th at 11 a.m.

MORANT POINT.

A Table shewing the mean Meteorological Results for the Station at Morant Point Light House (situated at the extreme east of the Island), for the year 1927, is appended. The extreme maximum temp. was 89.7 degs., in October; and the extreme minimum 64.2 degs., in April. Greatest monthly rainfall 18.59 ins. in October, with 24 rainy days. The year's rainfall, 50.47 ins. was much below the normal of 70.19 ins. These observations were conducted by Mr. Chas. Durrant, the Superintendent of the Light House.

J. F. BRENNAN,
Government Meteorologist.

Kingston, 19th March,

Morant Point Lighthouse, Jamaica, Mean Meteorological Results for the year 1927, Latitude 17° 55' North, Longitude 76° 12' West.

Month.	Barometer Pressure.		Temperature.					Extremes for the Month.				Dewpoint and Humidity.			Rainfall.	
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range.	7 a.m.	3 p.m.	Total.	No. of Rainy Days.		
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	Ins.	%		
January	.029	.996	76.6	79.5	80.5	73.8	6.7	82.0	68.4	13.6	66.5	63.1	3.27	20		
February	.057	.992	76.3	80.2	81.5	72.3	9.2	83.6	64.9	18.7	67.9	63.3	2.51	13		
March	.027	.993	77.0	80.6	81.5	73.3	8.2	84.3	65.9	18.4	67.8	63.9	0.02	2		
April	.072	.931	78.8	81.3	83.1	73.8	9.3	85.9	64.2	21.7	69.7	70.3	1.07	8		
May	.078	.947	80.9	83.2	84.9	77.0	7.9	86.3	70.2	16.1	73.3	73.5	6.98	14		
June	.092	.965	81.5	82.9	85.5	78.1	7.4	87.1	75.0	12.1	73.9	74.6	2.79	16		
July	.005	.980	82.0	84.6	86.2	78.0	8.2	88.0	72.2	15.8	74.0	77	4.8	16		
August	.051	.919	82.7	85.7	87.5	78.0	9.5	89.1	70.9	18.2	74.5	74.0	2.80	17		
September	.086	.859	80.6	86.5	88.1	72.3	15.8	89.4	72.1	17.3	74.1	80	3.89	15		
October	.068	.830	80.5	83.2	86.0	74.4	11.6	89.7	69.5	20.2	74.6	82	18.50	24		
November	.006	.869	79.2	82.2	83.7	75.2	8.5	87.0	67.0	20.0	72.1	79	2.71	8		
December	.090	.852	78.2	80.5	81.9	75.4	6.5	83.7	68.0	15.7	69.4	74	0.95	10		
Means	.073	.939	79.8	82.5	84.2	75.1	9.1	86.3	69.0	17.3	71.5	76	71.9	70		
Totals													50.47	164		

Barometer pressure reduced to the Standards of Kew, 32° degrees. Gravity at Lat. 17° 55' and to Mean Sea Level. The 56" Meridian West of Greenwich Standard time used. Altitude of Barometer above Mean Sea Level 8 ft. Height of Thermometers above ground 4 ft. 6 in. Height of Rain-Gauge above the ground 3 ft. Height of Anemometer above the ground 18 feet.

Morant Point Lighthouse, Mean, Meteorological Results for 1927 (contd).

Month.	Miles of Wind per diem.	Wind from and miles per hour.			Clouds in Tenths.			Weather Conditions.		
		7 a.m.	3 p.m.	Lower.	Middle.	Upper.				
							7 a.m.		3 p.m.	7 a.m.	3 p.m.
January	398	N.N.E. 18	N.N.E. 17	3.5	2.4	1.3	1.4	0.7	1.0	Rain on 20 days. Overcast 2 days. N.E. gale on 18th, Norther on 11th and 12th.
February	269	N.E. 12	E.N.E. 10	2.7	1.8	1.8	2.0	0.6	0.5	Rain on 13 days. Overcast on 8 days.
March	310	N.E. 15	N.E. 14	2.0	1.1	1.2	1.5	0.2	0.1	Rain on 2 days. Overcast on 1 day, Norther on 5th and 6th. Very dry.
April	251	N.E. 9.5	N.E. 10	2.6	1.5	1.5	2.3	0.8	1.2	Rain on 8 days. Overcast on 5 days.
May	303	E.N.E. 11	N.E. 10.5	2.8	3.0	1.7	1.6	1.5	1.4	Rain on 14 days. Overcast on 8 days.
June	277	E.N.E. 15	E. 12	3.0	3.0	1.2	0.9	1.3	1.7	Rain on 16 days. Overcast on 6 days. Thunderstorms on 15th and 24th.
July	288	E.N.E. 14	E.N.E. 13	3.1	2.4	1.3	1.5	2.0	1.8	Rain on 16 days. Overcast on 6 days. Thunderstorms on 12th, 19th, 27th and 30th.
August	240	N.E. 11.5	E.N.E. 8.6	3.0	2.0	1.5	1.1	1.6	2.3	Rain on 17 days. Overcast on 3 days. Thunderstorms on 4th and 25th.
September	144	N.E. 4.5	E.N.E. 6	1.3	1.1	1.4	1.3	2.9	2.2	Rain on 16 days. Overcast on 3 days. Thunderstorm on 24th.
October	195	Var. 10	Var. 9	3.0	3.3	1.5	2.8	3.1	1.6	Rain on 24 days. Overcast 11 days. Thunderstorms on 2nd, 6th, 8th, 18th, 19th, 20th, 21st.
November	351	N.E. 16	N.N.E. 18	2.4	2.4	1.1	1.4	2.1	2.0	Rain on 8 days. N.E. gale on 6, 7, 8. Overcast 4 days. Norther on 21st. N.E. gale 22nd, and 23.
December	346	N.N.E. 16	N.N.E. 16	2.2	2.2	1.4	2.2	0.6	0.3	Fine Lunar halo on 9th at 1.30 a.m. Rain on 10 days. N.E. gale 10th, 11th, 12th and 29th and 30th. Overcast 2 days.
Means	281	N.E. 12.7	E.N.E. 12	2.6	2.2	1.4	1.7	1.4	1.3	Rainfall for the year was 19.72 inches below the normal.



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
MARCH, 1928.

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, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.
The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.			Temperature.				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	30.015	29.950	77.6	81.2	82.4	74.6	7.8	84.5	17	69.1	19	15.4	
Kingston	24	29.990	29.933	70.7	83.7	85.1	68.7	16.4	89.3	8	65.7	7	24.2	
Negril Pt. Light House	33	29.994	29.949	71.9	82.7	85.4	69.1	16.3	90.2	8	63.8	24	26.4	
Castleton Gardens	496			65.8	79.7	84.7	64.8	19.9	88.0	12*	61.0	10	27.0	
Hope Gardens†	668	30.028	29.944	65.0	80.7	85.9	65.0	20.9	89.0	10*	62.0	6*	27.0	
Stony Hill Indus. School	1,400			67.8	77.6	79.6	65.8	13.8	85.0	1	64.0	3	21.0	
Hill Gardens	4,900	25.307	25.274	62.4	65.1	68.5	54.2	14.3	73.0	7	53.0	1*	20.0	

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.	7 a.m.			3 p.m.		
		ft.	°	%	°	%							in.	Mls.	m.	m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	70	79	71	70	0.93	297	E.N.E.	15.0	E.N.E.	15.0	2.0	2.7	0.4	1.1	3.0	1.6	
Kingston	24	64	80	69	62	0.11	206	N.E.	5.4	S.E.	14.4	0.3	0.8	1.3	2.2	2.0	0.2	
Negril Point Light House	33	67	85	72	69	1.15	244	E.N.E.	8.2	E.	12.7	1.0	0.9	1.4	4.6	1.5	0.7	
Castleton Gdns.	496	64	95	74	82	2.21	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	60	83	75	83	0.29	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	66	92	76	94	0.80	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	85	61	86	1.11	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

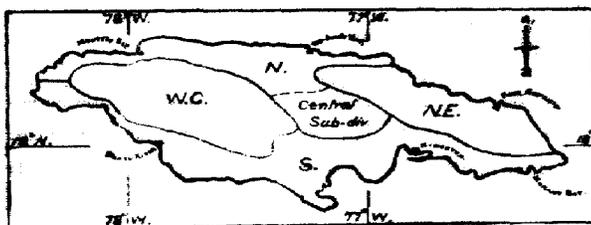
† Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.



March, 1928.

STATION.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
March, 1928.					
NORTH-EASTERN DIVISION, contd.					
Castleton Gardens	2.21	0.65	25	11	4.87
Water Valley	0.93	0.37	20	6	4.25
Albany	0.56	0.28	24	7	...
Lawrence Tavern	0.43	0.43	31	1	3.06
Platfield	...	...	...	...	3.31
Richmond, St. Mary	0.75	0.40	24	5	3.63
Quebec, St. Mary	1.20	0.47	25	6	3.02
Zion Hill	0.25	0.15	28	2	...
Carew Castle	0.88	0.60	22	4	3.20
Hampstead, St. Mary	0.79	0.20	23	8	5.08
Windsor Castle do	2.30	1.00	28	6	...
Troja	1.30	1.20	27	2	...
Pear Tree Grove	0.32	0.32	28	1	...
Guys Hill	1.00	0.50	27	2	...
Lucky Hill	2.23	0.85	27	8	2.93
Rio Hoe	1.25	0.32	21	7	3.55
Unity Valley	1.07	0.52	11	8	3.57
Moneague	2.04	0.95	11	6	3.10
Claremont	0.96	0.45	11	3	3.27
Averham Park	...	...	...	...	3.72
Albion	0.83	0.29	21	9	3.53
NORTHERN DIVISION (N.)					
Port Maria	1.23	0.42	24	6	3.16
Sand Hill	...	...	...	...	...
Eden Park	0.94	0.39	24	4	...
Oracabessa	0.90	0.50	21	3	...
New Ramble	...	...	...	...	4.70
Huddersfield	1.07	0.80	23	2	...
Ocho Rios	0.34	0.12	31	4	2.89
Bogue, Ocho Rios	0.95	0.95	21	1	4.12
Drax Hall	...	...	...	...	3.24
Rockfield	1.10	0.67	21	4	4.22
Liberty Hill	0.81	0.31	22	4	4.39
St. Ann's Bay	0.47	0.35	21	3	2.85
Seville	0.36	0.15	31	3	3.15
Richmond Estate	0.17	0.06	18	4	2.79
Llandovery	1.53	1.20	20	4	2.95
Runaway Bay	0.14	0.14	18	1	...
Knapdale	1.04	0.43	31	6	...
Alexandria	0.59	0.45	19	2	...
Brown's Town	1.30	0.60	31	5	3.08
Watt Town, St. Ann	0.74	0.44	19	2	...
Home Castle	...	...	...	...	2.68
Richmond Pen	...	...	...	...	2.52
Bryan Castle	2.25	1.20	31	3	2.08
Braco	1.65	0.70	3	5	1.72
Arcadia	2.10	1.30	31	3	2.08
Vale Royal	...	...	...	...	2.40
Harmony Hall	2.04	0.92	18	4	1.97
Colchis Pen	1.25	0.80	15	4	1.95
Duncans	2.03	1.12	4	5	...
Clark's Town	2.69	1.24	15	4	...
Carey Park	1.10	0.53	3	5	...
Falmouth	1.48	0.79	18	6	1.74
Canaan	2.35	1.10	13	3	2.44
Grange	1.28	0.80	20	3	...
Succata	...	...	...	...	1.83

STATION.	March, 1928.					STATION.	March, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL <i>DIVISION, contd.</i>	In.	In.			In.
Rose Hall	..	..	..	..	1.67	Troy	2.94	1.20	18	4	5.58
Cinnamon Hill	..	..	..	..	1.77	Wallingford	2.24	0.63	18	7	5.32
Tryall	..	..	..	..	1.65	Balaclava	2.36	0.70	18	7	4.89
Running Gut	..	..	..	..	1.63	Appleton	4.55	0.13	9	12	..
Spring Estate	..	..	..	..	1.56	Deeside	3.14	1.11	19	8	..
Friendship	3.20	0.96	19	9	..	Maggotty	2.98	0.92	9	9	5.98
Retirement	1.93	0.73	27	4	3.25	Lacovia	1.39	0.50	20	5	..
Belfield	2.26	0.88	1	8	2.85	Ipswich	2.51	0.78	5	10	..
Montego Bay	2.54	1.07	1	9	1.09	Kempshot	3.83	1.48	27	10	3.12
Anchovy	1.39	0.35	14	9	2.81	Garlands	1.99	0.60	1	8	..
Blue Hole	4.00	1.46	29	9	..	Mochó, St. James	4.23	1.30	1	13	..
Kew	3.25	0.95	11	8	3.30	Bandon Pen	4.05	1.34	1	6	..
Lucea	3.98	1.75	11	9	2.37	Springfield, St. Eliz.	3.96	1.30	10	9	..
Houghton Court	..	..	..	..	2.17	Catadupa	4.22	0.93	29	12	4.07
Cousins Cove	1.94	0.36	11	12	..	Cambridge, St. Jas.	2.10	0.85	1	10	5.78
Green River	..	..	..	..	..	New Market	2.15	0.40	9	9	6.40
Green Island	1.70	0.48	28	12	..	Kew Park	2.16	0.50	19	9	4.50
Houghton Hall	1.45	0.39	15	11	..	Montpelier	2.08	0.43	14	8	..
CENTRAL SUB- DIVISION.						The Bog	3.10	1.10	26	10	7.56
Knollis	1.23	0.46	29	5	..	Bethel Town Dist.	5.56	1.58	10	14	..
Highgate	..	..	..	..	..	Burnt Ground	4.20	1.03	26	15	4.55
Rio Magno	1.58	0.60	6	6	..	Houghton Grove	..	..	..	..	4.02
Riversdale	2.35	1.30	14	6	..	Darlston	3.66	1.15	25	7	6.42
Headworks, R.C.C.	1.37	.93	21	5	2.93	Knockalva	3.9	0.63	15	16	5.54
Berkshire Hall	..	..	..	..	2.65	Ramble	4.38	0.63	18	16	..
Bog Walk	0.80	0.40	28	4	..	Bluefields	3.35	1.57	25	11	7.26
Linstead	1.15	0.82	15	8	3.06	Whithorn	1.02	0.25	15	8	4.90
Cave Valley	0.80	0.36	13	3	2.77	Water Works Pen	1.05	0.22	28	10	6.50
Point Hill	1.28	0.50	21	8	4.88	Askenish	5.51	0.75	14	13	..
Bellas Gate	1.37	0.85	13	3	..	Grange Hill	3.92	1.25	15	13	5.31
Crofts Hill	1.18	0.95	21	4	3.07	King's Vale	3.43	0.80	28	12	4.61
Suttons	1.50	0.93	21	5	..	SOUTHERN DIVISION (S.)					
Chapelton	0.97	0.61	13	3	2.83	Morant Point L. H.	0.93	0.27	4	9	2.15
Crooked River	1.62	0.68	12	5	..	Golden Grove	1.84	0.48	12	5	..
Trout Hall	..	..	..	..	3.97	Pleasant Hill	1.37	0.39	12	9	..
James Hill	1.20	0.29	12	4	..	Phillipsfield	0.88	0.25	6	4	..
Frankfield	3.02	2.23	20	3	..	Bowden	1.43	0.43	5	9	..
WEST-CENTRAL DIVISION (W.C.)						East Prospect	1.85	1.19	5	9	2.47
Mochó, Clarendon	0.96	0.72	13	2	3.67	Morant Bay	1.73	0.58	17	11	1.77
Clarendon Park	0.32	0.15	21	4	..	Aeolus Valley	2.58	0.82	17	6	..
Spaldings	2.62	2.02	20	5	..	Yallahs	0.45	0.22	14	4	..
Williamsfield	..	..	..	..	..	Easington	0.61	0.24	13	6	1.41
Brokenhurst	2.42	1.20	13	8	3.25	Norris	..	..	..	..	..
Shooters Hill	1.86	1.20	20	4	3.34	Mavis Bank	0.26	0.16	13	2	..
Lowe River	1.34	0.63	31	4	5.82	Bull Bay	0.00	..	..	0	0.46
Christiana	1.38	0.44	5	8	4.84	Bellevue	..	..	..	..	2.77
Clifton Hill	2.26	0.96	21	5	..	Gordon Town	0.40	0.11	3	6	1.73
Kendal, Manchester	1.84	1.05	20	5	3.67	Irish Town	0.58	0.20	19	4	2.30
Battersea	..	..	..	..	..	Hope Gardens	0.20	0.10	19	4	2.02
Bleak House	3.42	1.34	20	8	..	Ivor	1.02	0.27	24	5	..
Mereworth	1.32	0.89	13	7	..	Plumb Point L. H.	0.10	0.10	12	1	0.96
Mandeville	3.78	1.40	20	5	4.57	King's House Gar.	0.45	0.45	15	1	1.57
Chudleigh	..	..	..	..	4.30	N.E. Kingston	..	..	..	..	1.12
Ulster Spring	1.90	0.93	19	7	3.80	Upper Kingston	0.04	0.04	24	1	..
Marshall's Pen	3.08	1.68	21	4	4.38	Kingston P.W.O.	0.11	0.06	24	2	1.02
Greenvale	0.54	0.32	20	2	..	Halfway Tree	0.25	0.25	25	1	1.29
Albert Town	2.72	1.75	19	3	8.48	Clifton Pen	0.07	0.07	24	1	1.25
Warsop	4.01	1.31	19	10	..						

*Gauge overflowed.

STATION.	March, 1928.					STATION.	March, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Farm I.	0.22	0.10	12	3	0.96	Great Valley, Man.	0.49	0.25	21	3	2.57
Quarantine Station	..	..	..	..	..	Alligator Pond	0.17	0.17	21	1	1.86
Cumberland Pen	..	..	..	..	..	Fairfield	1.33	0.66	21	7	4.06
Watson Grove	..	..	..	..	..	Lititz	1.51	1.05	21	5	2.45
Great Salt Pond	..	..	..	..	..	Myersville	1.65	0.90	21	2	..
Hematine	1.12	1.00	21	3	..	Gilnock	1.17	0.75	20	4	..
Spanish Town	1.29	1.16	21	3	2.04	Southfield, St. Eliz.	1.62	0.37	20	4	2.57
The Stewartry	1.74	1.50	21	4	..	Bethlehem, St. Eliz.	2.04	1.10	20	8	4.19
Hog Hole, St. Cath.	1.91	1.66	21	3	2.11	Torrington	1.40	1.20	20	3	3.50
Hartlands	0.73	0.45	21	3	1.85	Santa Cruz	1.12	0.57	20	3	4.70
Amity Hall	1.36	0.70	21	5	..	Pedro Plains	0.20	0.09	21	4	1.77
Bushy Park	1.49	0.90	21	5	..	Mountainside	1.10	0.45	20	5	..
Old Harbour	3.06	2.38	21	6	2.54	Fort Charles	0.57	0.27	20	3	..
May Pen	1.98	1.50	21	7	2.67	Black River	1.78	1.39	21	5	2.64
Glen Muir	..	..	..	..	..	Font Hill	0.30	0.20	5	2	3.69
Dry River, Vere	2.86	2.37	21	6	1.79	Mount Edgecombe	3.40	1.65	24	8	4.04
New Yarmouth	..	..	..	..	1.41	Sweet River	..	..	..	..	3.50
Cottage	2.57	1.53	21	3	..	Sav.-la-Mar	1.09	0.25	10	5	2.78
Belle Plain	0.82	0.61	21	3	..	Orchard	0.72	0.19	20	10	4.41
Milk River	0.82	0.38	21	6	1.90	Little London	1.16	0.52	19	4	..
Retrieve	0.88	0.34	14	4	..	Retreat	0.76	0.76	15	1	3.57
Hog Hole, S. Man.	1.07	0.55	21	3	..	Negril Point L. H.	1.15	0.66	15	4	2.59
Stone's Hope	1.15	0.56	13	6	2.84						
Newport, Man.	0.91	0.30	21	6	3.37						

NOTES.

SHOCKS OF EARTHQUAKE IN MARCH, 1928.

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

DIVISIONAL AND ISLAND RAINFALL.	March.	
	1928.	Average.
	In.	In.
North-Eastern Division	1.63	4.68
Northern	1.50	2.42
West-Central	2.62	4.34
Southern	1.03	2.25
The Island	1.69	3.42

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
6th	6.57 a.m	I	Kingston Hor. Movement 0.010 inch duration 3 Secs.
"	do		Fellowship do 4 Secs. about.
"	do		Spanish Town.

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH

THE ISLAND.

The Mean Rainfall for the month was again very deficient in all Divisions, the total being only half of the 50-year average.

Most of the rain appears to have fallen between the 19th and 24th.

The total rainfall for the first Quarter of the year was 5.06 ins. or less than half of the 50-year average of 10.58 ins.

The average number of rainy days was 7, 5, 8 and 4 in the North-Eastern, Northern, West-Central and Southern Divisions respectively, giving an average of 6 for the Island.

The greatest total fall for the month was 5.56 inches at Bethel Town Town District in the West-Central Division, and the heaviest fall in 24 hours was 2.38 inches at Old Harbour in the Southern Division on the 21st.

No rain fell at Bull Bay in the North-Eastern Division.

The Mean Rainfall in each parish is given below:—

	Ins.		Ins.
Kingston ..	0.08	St. James ..	2.72
St. Andrew ..	0.76	Hanover ..	3.38
St. Thomas ..	1.47	Westmoreland ..	2.37
Portland ..	2.24	St. Elizabeth ..	1.81
St. Mary ..	1.23	Manchester ..	1.64
St. Ann ..	0.87	Clarendon ..	1.60
Trelawny ..	2.18	St. Catherine ..	1.27

AT KINGSTON.

In March the total rainfall gauged only 0.11 inch, or about one-ninth of the 50-year normal of 1.02 inch. This month is recognized as a relatively dry one. Greatest rainfall in 24 hours 0.06 inch on 24th, with two rainy days. Rain was observed on the nearby hills to northward on 18th and 20th to north-east on 15th, 19th and 20th and to south-eastward on 13th, 15th and 21st. There was a moderate south-east rainsquall on 13th at 10 a.m. The drought has been persistent.

The mean of the daily miles of wind registered was 206, or 11% in excess of the 20-year normal of 185. Maximum number of miles of wind in one day was 367 on 13th, and the minimum 107 on 6th. South-easterly wind commenced early in the forenoon of 12th and 13th and continued until late into the evening on 13 occasions.

The mean barometric pressure was 29.971 ins.: the 33-year normal being 29.965 ins. Highest barometric reading was 30.065 ins. on 1st at 3 p.m., and lowest 29.879 ins. on 16th at 7 a.m. (correc. for diur. var.). The mean temperature, based upon four observations per day, was 76.5 degs. corresponding with the 33-year normal. The first half of the month was 0.7 deg. lower than the second half. The maximum temperature was below 90 degs. throughout, and minimum temperature was below 70 degs. on 26 days. Highest maximum 89.3 degs. on 8th, and lowest minimum 65.7 degs. on 7th. The mean relative humidity was 74%, or 3% below the 33-year normal. Mean 7 a.m. humidity 80%, mean 3 p.m. 62%. Lowest 7 a.m. 67% on 12th, Lowest 3 p.m. 43% on 23rd.

There were no indications of distant lightning or thunderstorm during this month.

Haze was observed during the early morning on 24 occasions.

The sky was overcast in the early morning on 5 occasions, and in the afternoon on 11 occasions.

A Solar Halo was visible on 18th at noon.

The rainfall for the upper boundary of Kingston was only 0.04 inch on one day.

There was a slight earthquake occurring on the 6th at 6.57 a.m., direction N-S, horizontal movement 0.010 inch, duration above 3 seconds.

The total evaporation for the month was 6.35 inches. And the mean number of daily sunshine hours was 8.7.

EVAPORATION.

Attached to this report is a Table A giving the figures of the daily evaporation for each month for the year 1927, for Kingston. The evaporimeter continued to be maintained in the same situation as that of the year 1924 (vide W. R. 570). From an inspection of the 1927 Table it will be noted that the maximum evaporation occurred in the month of March, when a total of 7.85 inches was gauged giving for this month a daily mean of 0.253 inch. Then, the minimum evaporation occurred in the month of November when a total of only 3.54 inches was recorded, with a daily mean of 0.118 inch, or less than one half of that for March.

The total evaporation for the year 1927 amounted to 69.07 inches. The general monthly mean gives 5.76 inches, and the daily mean 0.189 inch. It may be stated that a raingauge which is situated nearly alongside the evaporimeter registered 34.67 inches, or one-half that of the evaporation figure.

The maximum monthly evaporation for a day is shewn in bolder-faced type in the respective columns of the Table. It will be seen that the greatest evaporation in a single day, during this year, occurred on three occasions, i.e., July 31st, August 26th, and September 3rd, when 0.38 inch was gauged.

Daily measurements are being continued during the year 1928.

Another Table B shewing the evaporation gauged at Negril Point Light House, by Mr. J. S. Brownhill, is herewith produced. But this is for only a part of the year referred to and should prove interesting as time advances.

6

SUNSHINE.

The following figures give the mean monthly sunshine hours, for Kingston, during the year 1927, as derived from the Sunshine Recorder, placed above the roof of the Public Works' Building in Port Royal Street, and loaned by the United States Weather Bureau.

January	..	9.0	July	..	9.1
February	..	9.4	August	..	9.2
March	..	10.0	September	..	7.8
April	..	9.6	October	..	6.1
May	..	9.1	November	..	7.3
June	..	9.9	December	..	7.8

The mean monthly number of sunshine hours gives 8.7, or nearly 75% of the possible sunshine Kingston may then be regarded as one of the sunniest places known.

ANEMOMETER RECORDS.
(Yearly, Monthly and Daily Averages.)

Table C has been compiled from twenty years' daily records of the miles of wind passing over Kingston, from all directions. The Anemometer installed is of the Robinson's pattern, supplied by the United States Weather Bureau. The arms of this anemometer are 6.72 inches long, measured from the axis of rotation to the centre of the 4-inch cups. The instrument is estimated, normally, to have a factor of 3, so that when the actual wind movement is just one mile the centre of the cups travels one third of a mile. The graduations on the dial make provision for this lag. It is an electrically recording anemometer, and every mile of wind which travels over is indicated upon a chronograph, in the instrument room below. From these data the total miles of wind for the day, and each hour are derived.

The anemometer is erected on an iron mast fixed above the roof of the Public Works' Building, West Port Royal Street, and has an elevation of 69½ feet above M. S. L., and stands about 65 feet above the ground. The horizontal distance from the Kingston Harbour beach, to the south, is about 500 feet. The instrument is well exposed above all surrounding buildings.

By the study of the Table it will learnt that the maximum daily miles of wind occurs in the month of June, which gives 239, and the minimum occurs in November, with 139 miles. These figures are given at the foot of the Table. It will be further observed that there exists a uniformly, gradual increase of wind movement from November to the following June; correspondingly, from June to November a uniform decrease from month to month occurs. June, therefore, registers 100 miles more wind than November, which is equivalent to about 72% more wind in June than in November.

In June, 1912 the maximum daily milage of 312 was registered, during the 20-year period. Then in 1915, November and December registered an average of only 96 miles. The greatest number of miles of wind moved over Kingston was in the year 1912, when the daily average was 218. The year 1910, on the other hand, shewed only 144 miles per day.

The annual normal derived from this 20-year period, is 182 miles per day. For the past four years, 1924 to 1927, the annual mean was below 182.

This Table C is unavoidably confined to the subject of the milage of wind: no determinations, so far, having been made for obtaining the normal wind direction for each hour of the day, for each month, otherwise than those published in the Weather Report No. 385 of December 1910, giving particulars during the years 1908 and 1909, though brief, may be referred to.

J. F. BRENNAN,
Government Meteorologist.

Kingston, April 20th, 1928.

CORRIGENDUM.

W. R. No. 608. February 1908. Page 4. Average for the Island—For 2.06—Read 3.06.

TABLE A.—YEAR 1927.

Daily Record of Evaporation in inches. Evaporimeter 8 inches in diameter, 6 inches above ground level and 102 feet above sea level. (148½ East Street.) Kingston.

Date.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1.	0.15	0.22	0.26	0.36	0.22	0.12	0.24	0.25	0.28	0.06	0.05	0.13
2.	0.16	0.24	0.21	0.29	0.04	0.05	0.22	0.28	0.23	0.29	0.12	0.09
3.	0.08	0.16	0.29	0.34	0.05	0.13	0.30	0.31	0.32	0.16	0.12	0.12
4.	0.24	0.06	0.18	0.33	0.26	0.19	0.16	0.14	0.15	0.03	0.19	0.12
5.	0.12	0.11	0.30	0.28	0.28	0.09	0.12	0.14	0.15	0.24	0.10	0.13
6.	0.25	0.23	0.25	0.29	0.22	0.11	0.23	0.17	0.16	0.12	0.09	0.18
7.	0.15	0.05	0.14	0.13	0.16	0.23	0.31	0.25	0.14	0.16	0.18	0.08
8.	0.20	0.13	0.29	0.12	0.17	0.20	0.28	0.27	0.16	0.12	0.12	0.20
9.	0.13	0.16	0.23	0.33	0.20	0.22	0.31	0.25	0.22	0.28	0.15	0.03
10.	0.18	0.18	0.25	0.22	0.25	0.24	0.26	0.22	0.21	0.01	0.14	0.16
11.	0.07	0.18	0.18	0.29	0.21	0.15	0.22	0.14	0.31	0.12	0.08	0.14
12.	0.14	0.23	0.25	0.34	0.32	0.18	0.12	0.33	0.22	0.12	0.14	0.14
13.	0.22	0.18	0.26	0.23	0.29	0.22	0.29	0.25	0.22	0.12	0.18	0.13
14.	0.15	0.29	0.19	0.18	0.19	0.23	0.19	0.22	0.16	0.21	0.07	0.13
15.	0.17	0.16	0.18	0.25	0.15	0.12	0.15	0.32	0.19	0.08	0.15	0.14
16.	0.16	0.14	0.28	0.15	0.25	0.28	0.32	0.33	0.21	0.14	0.12	0.14
17.	0.13	0.20	0.23	0.14	0.15	0.25	0.22	0.21	0.25	0.18	0.14	0.15
18.	0.20	0.19	0.22	0.13	0.15	0.17	0.12	0.23	0.27	0.00	0.13	0.11
19.	0.22	0.27	0.20	0.31	0.15	0.21	0.07	0.21	0.04	0.10	0.15	0.15
20.	0.17	0.12	0.26	0.31	0.27	0.19	0.28	0.25	0.14	0.11	0.14	0.18
21.	0.22	0.23	0.30	0.13	0.23	0.22	0.27	0.37	0.14	0.13	0.12	0.08
22.	0.13	0.20	0.24	0.26	0.13	0.30	0.23	0.30	0.13	0.19	0.01	0.10
23.	0.11	0.18	0.29	0.26	0.15	0.18	0.23	0.31	0.15	0.11	0.09	0.14
24.	0.19	0.16	0.28	0.27	0.18	0.04	0.17	0.14	0.21	0.13	0.09	0.15
25.	0.21	0.16	0.33	0.26	0.13	0.35	0.23	0.19	0.10	0.09	0.08	0.12
26.	0.15	0.24	0.31	0.30	0.14	0.10	0.32	0.38	0.19	0.09	0.12	0.14
27.	0.18	0.31	0.32	0.23	0.14	0.28	0.20	0.25	0.21	0.00	0.11	0.13
28.	0.18	0.16	0.28	0.21	0.15	0.21	0.14	0.29	0.12	0.10	0.12	0.14
29.	0.21	..	0.28	0.27	0.15	0.16	0.29	0.27	0.28	0.06	0.16	0.14
30.	0.21	..	0.30	0.31	0.15	0.22	0.26	0.24	0.20	0.01	0.08	0.15
31.	0.17	..	0.27	..	0.14	..	0.30	0.29	..	0.19	..	0.16
Totals ..	5.25	5.14	7.85	7.52	5.67	5.64	7.13	7.80	5.76	3.73	3.54	4.04
Means ..	0.169	0.184	0.253	0.251	0.183	0.188	0.230	0.252	0.192	0.121	0.118	0.130

TABLE B.—YEAR 1927.

Daily Record of Evaporation in Inches for part of the year 1927 at Negril Point Lighthouse.
Evaporimeter 4 inches above ground and 27 feet above sea level.

Date.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	..	0.26	0.17	0.21	0.25	0.25	0.16	0.15
2	..	0.08	0.07	0.26	0.19	0.20	0.19	0.19
3	..	0.12	0.25	0.28	0.17	0.25	0.25	0.10
4	..	0.27	0.18	0.25	0.19	0.09	0.22	0.19
5	..	0.13	0.18	0.13	0.12	0.18	0.12	0.16
6	..	0.18	0.26	0.15	0.25	0.21	0.19	0.15
7	..	0.24	0.28	0.26	0.27	0.20	0.19	0.20
8	..	0.36	0.20	0.18	0.03	0.16	0.29	0.21
9	..	0.25	0.29	0.21	0.29	0.16	0.27	0.15
10	0.35	0.28	0.25	0.12	0.28	0.16	0.24	0.29
11	0.31	0.23	0.29	0.30	0.33	0.14	0.16	0.26
12	0.30	0.25	0.20	0.15	0.31	0.18	0.12	0.25
13	0.30	0.32	0.18	0.20	0.29	0.17	0.18	0.34
14	0.29	0.42	0.06	0.24	0.06	0.22	0.23	0.32
15	0.23	0.15	0.21	0.23	0.18	0.21	0.15	0.12
16	0.19	0.22	0.29	0.28	0.31	0.16	0.15	0.24
17	0.28	0.37	0.10	0.22	0.25	0.11	0.13	0.21
18	0.30	0.23	0.40	0.13	0.29	0.03	0.21	0.17
19	0.27	0.28	0.12	0.19	0.11	0.01	0.29	0.20
20	0.32	0.33	0.36	0.30	0.26	0.18	0.25	0.24
21	0.27	0.35	0.31	0.32	0.19	0.07	0.32	0.24
22	0.25	0.40	0.09	0.28	0.15	0.15	0.20	0.31
23	0.22	0.16	0.19	0.23	0.28	0.21	0.20	0.22
24	0.25	0.23	0.15	0.12	0.21	0.04	0.27	0.24
25	0.22	0.26	0.26	0.19	0.18	0.16	0.07	0.16
26	0.21	0.19	0.33	0.28	0.19	0.20	0.22	0.27
27	0.27	0.36	0.15	0.21	0.24	0.12	0.27	0.21
28	0.20	0.32	0.18	0.32	0.21	0.04	0.24	0.23
29	0.21	0.29	0.21	0.40	0.11	0.00	0.19	0.27
30	0.24	0.22	0.24	0.21	0.14	0.03	0.26	0.31
31	0.25	0.00	0.13	0.17	0.00	0.19	0.00	0.22
Totals	..	7.75	6.58	7.02	6.33	4.48	6.21	6.82
Means	..	0.258	0.212	0.226	0.211	0.145	0.207	0.220

TABLE C.

Wind: Miles per day. Means from year 1908 to 1927 (20 years)—Kingston.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Means for Year.
1908	125	151	157	167	203	209	169	162	139	128	116	119	154
09	120	148	152	156	175	191	183	152	126	135	117	129	149
10	133	146	135	150	172	185	177	136	127	140	109	115	144
11	119	144	150	195	179	293	243	226	196	153	168	172	186
12	214	242	229	201	244	312	244	248	177	162	196	145	218
13	169	188	264	175	169	273	233	219	185	161	136	161	194
14	189	210	178	198	223	240	283	232	216	169	128	157	202
15	173	180	183	190	237	206	217	207	173	126	96	96	174
16	149	166	183	169	180	196	197	216	139	143	168	162	172
17	151	173	211	160	204	201	215	184	203	164	129	153	179
18	203	175	170	199	167	213	250	220	189	148	162	161	188
19	174	194	196	172	251	262	216	233	183	157	139	147	194
1920	175	181	196	302	191	256	273	197	181	164	180	189	207
21	113	165	171	166	190	243	242	175	156	184	150	136	178
22	161	196	198	229	286	238	265	179	168	187	146	167	201
23	147	167	235	180	244	315	259	226	183	173	143	143	201
24	191	167	204	176	206	233	227	151	150	142	112	152	176
25	196	137	143	160	249	228	202	198	158	163	159	157	180
26	216	185	167	221	190	233	215	189	131	132	100	101	173
1927	145	150	168	160	199	236	225	175	136	153	125	134	167
Average for 20 years.	166	173	185	186	208	239	227	196	166	154	139	145	182



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
APRIL, 1928.

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 four-cup instruments used and for the small velocities measured.

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

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

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.990	29.955	79.2	82.0	83.3	74.8	8.5	85.0	28	63.7	1	21.3
Kingston	24	29.962	29.965	74.1	82.8	85.6	70.3	15.3	89.6	20	67.3	5	22.3
Negril Pt. Light House	33	29.968	29.928	74.9	82.8	86.4	69.5	16.9	90.0	21	67.0	9	23.0
Castleton Gardens	496			68.1	80.9	85.9	67.1	18.8	90.0	21*	63.0	27	27.0
Hope Gardens†	668	29.980	29.904	69.4	80.8	85.7	65.7	20.0	90.0	21	64.0	6*	26.0
Stony Hill Indus. School	1,400			67.8	77.3	79.2	65.8	13.4	82.0	4*	65.0	3*	17.0
Hill Gardens	4,900	25.289	25.255	62.7	61.5	69.0	55.4	12.6	77.0	27	54.0	4*	23.0

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.					
		°	%	°	%			in.	Mis.	m.	m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	72	80	73	72	2.44	308	E.N.E.	15.5	E.N.E.	13.0	2.6	2.3	0.2	1.4	2.8	0.5
Kingston	24	67	80	71	68	0.88	227	E.N.E.	4.5	S.E.	18.0	1.2	0.7	0.4	5.0	1.3	0.5
Negril Point Light House	33	69	83	72	72	5.32	213	E.N.E.	6.5	S.E.	9.5	1.4	0.2	2.1	4.4	3.4	0.6
Castleton Gdns.	496	66	95	75	82	6.14	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63	82	75	80	1.78	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	66	94	74	92	3.30	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	60	89	61	90	3.11	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

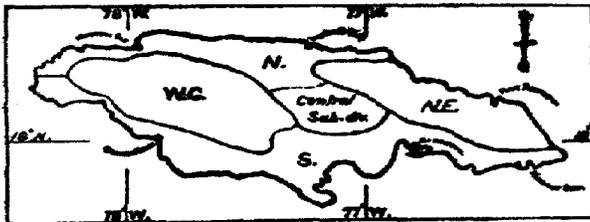
† Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.



STATION.	April, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	In. 4.58	In. 1.34	6	6	7.87
Priestman's River	4.90	1.75	4	10	..
Fairy Hill	2.71	0.67	30	13	..
Bath	6.88	1.30	25	19	6.76
Millbank	15.01	4.42	4	9	..
Moore Town	16.94	4.00	5	16	11.76
Port Antonio	4.21	1.26	6	11	6.85
Passley Garden	3.29	1.36	6	11	..
Fellowship	7.31	1.34	4	15	10.29
Johnson River Br.	3.12	0.60	15	16	4.85
Trinity Ville	2.63	0.71	25	8	..
Shrewsbury	..	..	..	..	10.30
Hope Bay	3.47	1.14	2	10	..
Cedar Valley	3.31	1.15	4	8	4.54
Moy Hall	4.13	1.27	4	10	..
Paradise	..	..	..	..	..
Lennox	3.38	1.32	2	10	..
Greenvale	..	..	..	..	10.01
Spring Garden	1.86	0.40	2	13	6.79
Hill Gardens	3.11	0.97	4	7	5.98
Buff Bay	2.33	0.90	3	9	7.06
Belvedere, Portland	2.23	0.70	1	6	..
Windsor Castle do	3.20	1.50	2	8	6.03
Balcarres	14.56	4.20	4	9	..
Mt. Holstein	14.44	2.95	3	10	6.91
Cedar Hurst	7.07	2.03	4	12	..
Hardware Gap	6.91	2.33	29	11	6.89
Rose Hill	3.91	0.88	4	9	8.62
Hermitage	2.73	0.45	4	13	..
Stony Hill Ind. Schl	3.30	0.77	8	12	5.49
Iter Boreale	..	..	..	..	..
Enfield	9.02	4.08	7	9	..
Agualta Vale	2.82	0.80	7	11	5.34

STATION.	April, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Castleton Gardens	In. 6.14	In. 1.20	7	13	6.61
Water Valley	2.16	0.79	2	7	4.96
Albany	1.35	0.62	3	9	..
Lawrence Tavern	4.70	1.00	1	6	4.65
Platfield	..	..	..	..	4.39
Richmond, St. Mary	3.38	0.81	2	9	4.95
Quebec, St. Mary	1.06	0.46	1	4	3.84
Zion Hill	3.06	1.00	8	6	..
Carew Castle	2.67	0.89	8	9	5.06
Hampstead, St. Mary	2.40	0.75	6	11	6.51
Windsor Castle do	6.08	1.03	4	14	..
Troja	4.25	1.30	12	9	..
Pear Tree Grove	4.87	1.33	2	9	..
Guys Hill	4.77	0.72	3	10	..
Lucky Hill	3.34	0.46	24	14	6.01
Rio Hoe	4.36	1.40	29	8	4.62
Unity Valley	3.62	2.53	21	14	5.01
Moneague	2.42	0.70	21	8	4.69
Claremont	3.59	0.77	29	9	4.17
Averham Park	4.26	1.20	1	8	5.00
Albion	2.73	0.52	3	13	4.65
NORTHERN DIVISION (N.)					
Port Maria	2.12	0.70	6	8	4.36
Sand Hill	..	..	..	..	..
Eden Park	0.97	0.36	2	10	..
Oracabessa	3.37	3.10	6	3	..
New Ramble	..	..	..	..	2.92
Huddersfield	0.00	..	..	0	..
Ocho Rios	0.93	0.46	30	6	3.90
Bogue, Ocho Rios	..	..	..	..	6.27
Drax Hall	0.68	0.27	6	4	3.77
Rockfield	3.49	1.12	29	11	6.52
Liberty Hill	1.12	0.32	1	6	5.10
St. Ann's Bay	1.10	0.32	2	7	4.16
Seville	..	..	..	..	3.79
Richmond Estate	1.51	0.33	6	9	3.95
Llandoverly	..	..	..	..	3.73
Runaway Bay	1.01	0.66	18	3	..
Knappdale	2.95	1.05	1	10	..
Alexandria	1.14	0.52	29	5	..
Brown's Town	1.81	0.55	2	8	3.95
Watt Town, St. Ann	4.05	2.66	29	4	..
Home Castle	..	..	..	..	3.29
Richmond Pen	1.75	1.50	29	2	4.98
Bryan Castle	1.00	0.40	16	3	2.44
Braco	1.30	0.45	1	7	2.34
Arcadia	1.66	0.45	7	7	2.63
Vale Royal	..	..	..	..	3.03
Harmony Hall	2.12	0.69	17	6	3.24
Colchis Pen	4.01	1.30	29	10	3.16
Duncans	2.24	0.80	28	7	..
Clark's Town	3.58	1.40	7	6	..
Carey Park	1.94	0.89	25	4	..
Falmouth	1.37	0.84	7	9	1.25
Canaan	5.38	1.05	28	10	4.08
Grange	3.15	2.80	28	2	..
Success	..	..	..	..	2.10

STATION.	April, 1928.					STATION.	April, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.	In.	In.			In.	WEST-CENTRAL DIVISION, contd.	In.	In.			In.
Rose Hall	..	..	..	..	1.98	Troy	2.04	1.00	6	6	9.32
Cinnamon Hill	..	..	..	..	2.00	Wallingford	2.89	0.90	1	8	9.26
Tryall	..	..	..	..	3.39	Balaclava	2.64	0.80	1	10	10.10
Running Gut	..	..	..	..	1.96	Appleton	7.19	2.06	..	12	..
Spring Estate	..	..	..	..	2.07	Deeside	3.93	1.39	7	8	..
Friendship	..	..	..	..	..	Maggoty	9.23	2.20	7	13	10.06
Retirement	..	..	..	..	4.53	Lacovia	6.92	1.80	29	9	..
Belfield	1.93	0.42	29	11	2.85	Ipswich	8.97	1.29	8	21	..
Montego Bay	2.68	0.89	28	13	3.41	Kempshot	3.18	1.27	29	14	5.45
Anchovy	0.77	0.16	28	11	4.77	Garlands	4.93	0.82	6	12	..
Blue Hole	2.15	0.55	16	10	..	Mocho, St. James	7.32	1.55	6	12	..
Kew	5.25	1.10	16	10	4.43	Bandon Pen	3.84	1.23	29	8	..
Lucea	2.81	0.75	16	8	4.01	Springfield, St. Eliz.	9.49	2.10	6	12	..
Haughton Court	..	..	..	..	3.72	Catadupa	11.07	3.08	6	13	7.40
Cousins Cove	6.80	1.20	12	13	..	Cambridge, St. Jas.	9.74	2.31	6	16	7.02
Green River	..	..	..	..	..	New Market	12.48	3.05	7	17	9.84
Green Island	8.44	1.67	30	12	..	Kew Park	11.34	2.40	6	13	8.21
Haughton Hall	6.80	1.86	8	13	..	Montpelier	4.58	1.29	6	10	..
CENTRAL SUB-DIVISION.						The Bog	11.03	2.55	29	20	10.99
Knollis	2.00	0.59	6	7	..	Bethel Town Dist.	11.80	2.16	8	16	..
Highgate	4.56	0.70	19	12	..	Burnt Ground	5.37	1.80	29	18	6.07
Rio Magno	5.08	0.95	3	14	..	Haughton Grove	..	..	..	..	6.90
Riversdale	3.63	1.03	9	12	..	Darliston	6.89	1.22	19	19	11.31
Headworks, R.C.C.	1.41	1.63	6	6	3.71	Knockalva	11.80	3.00	29	16	6.66
Berkshire Hall	..	..	..	..	4.15	Ramble	11.83	3.00	29	16	..
Bog Walk	1.40	0.50	9	4	..	Bluefields	8.76	1.34	16	18	7.81
Linstead	2.27	0.54	8	13	4.74	Whithorn	7.95	1.67	30	17	7.31
Cave Valley	3.34	2.17	29	5	4.78	Water Works Pen	8.87	2.44	13	18	7.75
Point Hill	2.89	0.95	6	10	6.38	Askenish	7.23	1.60	16	9	..
Bellas Gate	1.38	1.05	6	2	..	Grange Hill	12.69	3.08	6	22	6.50
Crofts Hill	1.92	0.75	5	6	4.67	King's Vale	7.07	0.92	11	15	5.97
Suttons	0.49	0.49	6	1	..	SOUTHERN DIVISION (S.)					
Chapelton	0.57	0.20	3	5	4.04	Morant Point L. H.	2.44	0.78	29	15	3.53
Crooked River	1.39	1.21	29	4	..	Golden Grove	2.22	0.90	30	10	..
Trout Hall	1.63	1.40	28	5	6.10	Pleasant Hill	2.16	0.90	29	15	..
James Hill	1.72	1.38	29	4	..	Phillipsfield	..	..	..	..	..
Frankfield	..	..	..	..	..	Bowden	2.09	0.58	14	12	..
WEST-CENTRAL DIVISION (W.C.)						East Prospect	2.42	0.49	25	15	5.43
Mocho, Clarendon	..	..	..	..	5.54	Morant Bay	1.29	0.38	26	12	3.27
Clarendon Park	..	..	..	..	..	Aeolus Valley	3.05	1.00	25	10	..
Spaldings	0.62	0.20	29	7	..	Yallahs	0.79	0.55	15	3	..
Williamsfield	1.15	0.47	6	11	..	Easington	1.73	0.50	6	11	2.23
Brokenhurst	3.04	1.38	17	7	5.76	Norris	..	..	..	..	..
Shooters Hill	1.46	0.53	29	5	5.14	Mavis Bank	1.41	0.63	4	4	..
Lowe River	0.60	0.52	8	2	9.11	Bull Bay	0.20	0.10	3	2	1.21
Christiana	1.89	1.34	17	9	7.49	Bellevue	..	..	..	..	2.73
Clifton Hill	1.55	0.55	28	4	..	Gordon Town	1.77	0.49	1	6	3.46
Kendal, Manchester	1.70	0.55	29	6	6.97	Irish Town	1.98	0.50	4	8	4.58
Battersea	..	..	..	..	..	Hope Gardens	1.78	0.50	4	10	2.97
Bleak House	1.62	0.43	6	10	..	Ivor	2.83	0.90	8	9	..
Mereworth	2.32	0.79	6	10	..	Plumb Point L. H.	0.28	0.20	4	4	1.23
Mandeville	1.25	0.50	6	4	5.98	King's House Gar.	1.70	0.80	8	3	2.64
Chudleigh	..	..	..	..	7.08	N.E. Kingston	..	..	..	..	2.34
Ulster Spring	4.04	1.67	29	9	7.36	Upper Kingston	1.46	0.87	4	4	..
Marshall's Pen	1.10	0.35	8	8	6.74	Kingston P.W.O.	0.88	0.71	4	4	1.24
Greenvale	1.32	0.38	17	5	..	Halfway Tree	1.00	0.22	4	7	2.00
Albert Town	3.48	2.38	29	3	7.62	Clifton Pen	0.70	0.38	4	3	2.19
Warsop	3.52	1.23	8	6	..						

*Gauge overflowed.

STATION.	April, 1928.					STATION.	April, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Farm I.	0.32	0.18	2	3	1.93	Great Valley, Man.	2.57	0.80	2	5	4.22
Quarantine Station . . . . .	..	..	..	..	..	Alligator Pond	0.88	0.60	2	3	3.36
Cumberland Pen . . . . .	..	..	..	..	..	Fairfield	1.14	0.64	17	8	6.08
Watson Grove . . . . .	..	..	..	..	..	Lititz	1.24	0.42	18	6	4.64
Great Salt Pond . . . . .	..	..	..	..	..	Myersville	2.47	2.20	17	6	..
Hematine	3.54	1.57	2	6	..	Gilnock	3.95	1.66	17	7	..
Spanish Town	2.96	1.15	2	6	2.48	Southfield, St. Eliz.	4.05	2.45	17	8	3.61
The Stewartry	1.13	0.36	18	6	..	Bethlehem, St. Eliz.	7.47	3.50	17	10	6.36
Hog Hole, St. Cath.	0.95	0.22	18	5	3.04	Torrington	7.45	3.70	17	3	4.61
Hartlands	3.91	2.30	2	5	3.35	Santa Cruz	4.92	1.66	18	9	9.25
Amity Hall	3.62	1.50	2	9	..	Pedro Plains	5.97	2.22	17	6	2.40
Bushy Park	3.30	1.45	5	6	..	Mountainside	5.31	1.95	2	6	..
Old Harbour	2.16	0.50	5	6	3.01	Fort Charles	4.01	2.17	17	5	..
May Pen	1.59	1.00	3	9	3.11	Black River	3.74	0.75	4	11	4.20
Glen Muir	0.50	0.50	30	1	..	Font Hill	4.15	0.85	4	13	4.46
Dry River, Vere	3.36	1.49	5	10	3.05	Mount Edgecombe	7.24	1.10	16	18	5.51
New Yarmouth . . . . .	..	..	..	..	2.73	Sweet River	7.94	1.05	29	13	5.78
Cottage	3.88	1.04	23	8	..	Sav.-la-Mar	4.09	0.81	5	12	5.21
Belle Plain	1.95	0.87	28	6	..	Orchard	4.56	0.92	26	15	6.06
Milk River	2.56	0.83	4	7	2.62	Little London	4.59	0.75	6	16	..
Retrieve	2.55	0.94	18	9	..	Retreat	4.47	0.92	2	9	5.02
Hog Hole, S. Man.	3.30	1.30	2	7	..	Negril Point L. H.	5.32	2.05	2	14	2.92
Stone's Hope	2.24	0.37	6	10	4.57						
Newport, Man.	1.04	0.20	23	11	5.41						

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	April.	
	1928.	Average.
	In.	In.
North-Eastern Division	4.50	6.21
Northern	2.10	3.34
West-Central	6.06	7.06
Southern	2.91	3.50
The Island	3.89	5.03

SHOCKS OF EARTHQUAKE IN APRIL, 1928.

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
		None	reported.

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH

THE ISLAND.

The Mean Rainfall for the month shows some improvement on the previous four months, but was still deficient, being about $\frac{2}{3}$ of the 50-year average. It was, however, fairly well distributed, as the average number of rainy days was 10, 7, 11 and 8 in the North-eastern, Northern, West-Central and Southern Divisions, respectively, giving an average of 9 for the Island. The average for 33 years, being also 9 rainy days.

The heaviest precipitation appears to have taken place during the first and last weeks of the month.

The greatest total fall was 16.94 ins. at Moore Town in the North-Eastern Division, and the heaviest fall in 24 hours was 4.42 ins. at Millbank in the same Division on the 4th.

The greatest number of rainy days was 22 at Grange Hill in the West-Central Division.

No rain fell at Huddersfield in the Northern Division.

The total rainfall for the five months December, 1927 to April 1928 has been less than for any corresponding period since 1906-07, being only 10.18 ins. as compared with the 50-year average of 21.33 ins.

The Mean Rainfall in each parish is given below:—

	Ins.		Ins.
Kingston	0.87	St. James	4.88
St. Andrew	2.54	Hanover	6.85
St. Thomas	2.73	Westmoreland	7.79
Portland	6.56	St. Elizabeth	5.73
St. Mary	3.16	Manchester	1.78
St. Ann	2.41	Clarendon	1.71
Trelawny	2.46	St. Catherine	2.87

AT KINGSTON.

The rainfall for April was again deficient, for only 0.88 inch was gauged, as against the 50-year normal of 1.24 inch, being 71% of the normal. This is the fifth month, in succession, giving a marked deficiency. During this period of drought, from December, 1927, to April, 1928, inclusive, the aggregate rain gauged was only 1.35 inch, as against the 50-year aggregate normal of 5.41 ins. representing but one-quarter of the average.

Referring to the records from the year 1870 to date, there is found only one instance when the aggregate rainfall, for a similar period of five months, December 1906 to April 1907, was still less, giving 0.87 inch. The drought was then, for Kingston, more severe than the present one.

The greatest fall in 24 hours, for April 1928, was 0.71 inch on 4th with four rainy days. Light rain was observed on the nearby hills to northward on 6th, 7th, 8th, 15th, 29th and 30th; to north-eastward on 6th, 7th, 15th, 17th and 30th. And to seaward on 4th.

The mean of the daily miles of wind registered was 227, which is above the 20-year normal of 186, being about 22% in excess, owing, possibly, to an increase of the south-easterly wind and it was chiefly towards the latter part of the month. Maximum miles of wind in one day was 436 on 22nd and the minimum 96 on 2nd. South-easterly wind commenced early in the forenoon of 16th, 23rd and 24th and continued late into the evenings on 18 occasions. S.E. wind prevailed throughout the night of 22nd. South-easterly rainsqualls on 24th and 30th.

No distant thunderstorms or lightning observed.

The mean barometric pressure was 29.941 ins., the normal being also 29.941 ins. Highest barometer reading 30.009 ins. on 1st at 7 a.m. and lowest 29.876 ins. on 28th at 3 p.m. (correc. for diurnal var.). The mean temperature, based upon four observations per day, was 77.7 degs., the 33-year normal being 78.2 degs. The first half of the month was 2.6 degs. lower than the second half, attributable to the total rainfall being confined to the earlier days of the month, 2nd to 6th. The maximum temperature was below 90 degs. throughout. The minimum temperature was below 70 degs. on 13 days. The highest maximum was 89.6 degs. on 20th. Lowest minimum 67.3 degs. on 5th. Mean relative humidity was 78%, corresponding with the 33-year normal. The mean 7 a.m. was 80% and the mean 3 p.m. 68%. Lowest 7 a.m. 59% on 23rd and lowest 3 p.m. 55% on 19th.

The sky was overcast in the early morning on five occasions, and in the afternoon on 18 occasions. Slight haze was observed frequently during the early forenoon.

The rainfall for the upper boundary of Kingston was 1.16 inch with 4 rainy days.

The total evaporation for the month was 7.73 inches.

Mean number of daily sunshine hours was 7.3.

Solar halos were observed on 7th at 1 p.m. and 10th at 2.30 p.m.

J. F. BRENNAN,
Government Meteorologist.

Kingston, May 21, 1928.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

MAY, 1928.

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 four-cup instruments used and for the small velocities measured.

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

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

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
Morant Point Light House	8	29.949	29.917	79.6	83.0	84.8	73.5	11.3	86.0	23	61.0	5	25.0
Kingston	24	29.926	29.883	76.3	83.7	87.1	72.9	14.2	89.1	28	63.9	5	25.2
Negril Point Light House	33	29.927	29.894	77.6	82.7	86.4	72.3	14.1	91.2	15	66.0	6	25.2
Castleton Gardens	496			69.2	80.4	86.5	68.5	18.0	92.0	29	63.0	7	29.0
Hope Gardens†	668	29.949	29.883	72.0	81.5	85.8	67.3	18.5	92.0	30	63.0	1	29.0
Stony Hill Indus. School	1,400			67.7	76.8	80.8	65.6	15.2	85.0	25	64.0	10*	21.0
Hill Gardens	4,900	25.267	25.245	63.0	65.1	69.3	56.2	13.1	72.0	18*	54.0	1*	18.0

STATIONS.	Elevation.	Dewpoint 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.		
		°	%	°	%			m.	m.	L.	M.	U.	L.	M.	U.		
Morant Point Light House	8	74	81	74	73	4.77	247	E.N.E.	11.0	E.	11.0	2.8	2.5	1.0	2.0	2.4	1.4
Kingston	24	69	80	72	68	1.77	213	E.N.E.	6.3	S.E.	13.3	0.7	1.0	2.0	3.0	1.2	2.6
Negril Point Light House	33	71	82	73	73	3.90	245	E.N.E.	7.4	N.E.	13.8	1.0	1.5	3.2	4.4	1.1	1.7
Castleton Gdns	496	67	95	75	85	11.41	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67	85	70	67	6.31	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	5.84	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	61	91	62	90	11.55	..	..	..	..	..	..	..	..	..	..	..

*And on other days.

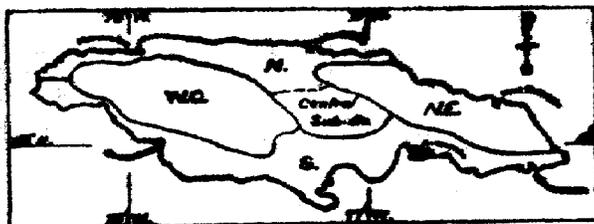
†Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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 Negri; 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.



STATION.	May, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	In.	Amount.	Date.		In.
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	8.83	1.80	17	10	14.53
Priestman's River	17.92	5.20	16	15	
Fairy Hill	15.91	5.00	16	15	
Bath	9.16	2.18	14	16	13.08
Millbank	24.29	6.83	16	9	
Moore Town	19.54	5.00	16	10	18.97
Port Antonio	13.74	3.80	16	8	15.62
Passley Garden	21.20	7.29	17	12	
Fellowship	24.23	9.02	16	16	18.54
Johnson River Br.	8.64	2.50	10	15	9.97
Trinity Ville	10.88	2.55	16	13	
Shrewsbury	17.10	3.25	16	12	14.84
Hope Bay	17.22	4.90	16	10	
Cedar Valley	3.57	3.19	16	9	9.75
Moy Hall	7.76	2.69	16	12	
Paradise	16.66	3.20	19	15	
Lennox	13.67	3.66	16	10	
Greenvale	13.19	6.40	14	10	9.75
Spring Garden	10.15	2.90	17	9	8.98
Hill Gardens	11.55	4.50	14	11	10.43
Buff Bay	9.72	2.80	15	8	8.49
Belvedere, Portland	5.80	2.24	17	5	
Windsor Castle do	10.42	3.31	15	7	5.64
Báscarres	14.54	8.30	14	10	
Mt. Holstein	21.82	13.20	14	12	9.29
Cedar Hurst	12.06	4.38	14	15	
Hardware Gap	13.67	3.20	14	14	11.42
Rose Hill	11.55	2.76	13	11	14.02
Hermitage	5.46	0.92	2	15	
Stony Hill Ind. Schol.	5.84	1.65	14	14	9.82
Iter Boreale	7.66	2.06	17	7	
Enfield	6.91	2.24	14	15	
Aguaita Vale	6.86	1.58	17	10	6.19

STATION.	May, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	In.	Amount.	Date.		In.
NORTH-EASTERN DIVISION, contd.					
Castleton Gardens	11.41	5.14	14	15	12.07
Water Valley	9.31	2.41	16	11	7.73
Albany	9.57	3.17	17	15	
Lawrence Tavern	6.00	3.40	15	4	9.34
Platfield					9.96
Richmond, St. Mary	8.83	1.42	17	15	7.66
Quebec, St. Mary	9.88	2.94	15	9	6.92
Zion Hill	5.40	1.65	15	7	
Carew Castle	6.64	2.32	14	9	9.70
Hampstead, St. Mary	7.31	1.96	17	17	8.38
Windsor Castle do	8.60	1.50	26	14	
Treja	10.76	1.70	15	13	
Pear Tree Grove	7.54	2.17	18	13	
Guys Hill	8.92	1.60	3	11	
Lucky Hill	6.81	1.50	17	18	8.91
Rio Hoe	11.05	3.15	3	9	8.18
Unity Valley	12.85	3.92	3	17	9.97
Moneague	17.29	3.55	3	16	8.37
Claremont	5.53	1.20	16	13	7.14
Averham Park					7.58
Albion	7.51	1.32	17	17	8.37
NORTHERN DIVISION (N.)					
Port Maria	8.06	1.92	15	10	6.70
Sand Hill					
Eden Park	6.49	2.35	15	14	
Oracabessa	6.77	1.65	18	12	
New Ramble					
Huddersfield	6.99	2.00	16	10	
Ocho Rios	4.20	1.67	16	10	5.80
Bogue, Ocho Rios	4.99	1.42	15	8	5.99
Drax Hall					7.06
Rockfield	4.65	1.05	16	13	7.56
Liberty Hill	5.46	1.30	16	9	4.88
St. Ann's Bay	4.64	1.90	15	10	5.69
Seville					6.68
Richmond Estate	4.42	1.62	15	9	6.75
Llandovery					6.65
Runaway Bay	3.70	0.90	15	7	
Knapdale	4.79	1.11	15	10	
Alexandria	5.20	1.20	20	12	
Brown's Town	9.17	2.80	12	12	6.96
Watt Town, St. Ann	4.63	1.00	12	7	
Home Castle					
Richmond Pen					7.65
Bryan Castle	8.90	2.05	25	12	5.23
Braco	6.30	1.30	17	10	4.57
Arcadia	7.45	2.08	17	1	5.04
Vale Royal					
Harmony Hall	10.71	2.92	25	11	4.68
Colchis Pen	13.05	3.05	25	13	6.63
Duncans	9.18	3.00	25	10	
Clarks' Town	10.13	4.50	25	9	
Carey Park					
Falmouth	6.25	2.59	12	9	4.82
Canaan	7.52	1.75	17	12	7.80
Grange	8.20	2.35	25	6	
Success					4.51

STATION.	May, 1928.					STATION.	May, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days in which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL DIVISION, contd.	In.	In.			In.
Rose Hall					4.44	Troy	9.00	2.08	25	12	16.06
Cinnamon Hill					5.11	Wallingford	6.25	1.50	2	12	12.25
Tryall					7.36	Balaclava	6.80	1.67	2	9	12.78
Running Gut					5.14	Appleton	12.00	2.55	13	12	
Spring Estate					4.57	Deeside	11.54	4.00	25	13	
Friendship	5.48	2.06	17	13		Maggotty	9.87	2.50	13	12	14.31
Retirement	4.92	1.68	17	10	9.48	Lacovia	5.14	2.14	2	6	
Belfield	7.66	1.45	16	13	6.43	Ipswich	15.56	2.76	12	12	
Montego Bay	7.48	1.96	19	13	7.44	Kempshot	10.22	2.81	18	13	10.32
Anchovy	4.64	0.88	17	11	8.81	Garlands	14.39	3.02	16	12	
Blue Hole	7.30	3.52	17	13		Mocho, St. James	14.35	2.25	17	11	
Kew	10.05	2.00	16	13	11.30	Brandon Pen	15.08	2.14	17	11	
Lucea	8.37	2.28	20	15	8.16	Springfield, St. Eliz.	18.05	3.00	20	11	
Haughton Court	9.02	2.18	16	14	8.33	Catadupa	13.69	4.26	16	11	16.31
Cousins Cove						Cambridge, St. Jas.	12.85	2.26	12	14	13.71
Green River						New Market	17.30	3.85	12	12	11.11
Green Island	10.09	2.45	17	12		Kew Park	15.94	3.12	16	12	12.82
Haughton Hall						Montpelier	14.71	3.33	17	12	
CENTRAL SUB- DIVISION.						The Bog	13.81	2.50	20	14	13.68
Knellis	6.60	2.40	10	11		Bethel Town Dist.	20.27	4.33	16	13	
Highgate						Burnt Ground					13.21
Rio Magno	11.38	1.65	20	19		Haughton Grove					13.93
Riversdale	5.59	2.20	14	13		Darliston	21.13	3.10	20	12	16.74
Headworks, R.C.C.	2.08	0.62	4	6	7.98	Knockalva	11.82	2.50	1	15	12.41
Berkshire Hall					7.56	Ramble					
Bog Walk	2.90	0.80	4	6		Bluefields	8.30	1.81	15	13	11.61
Linstead	4.52	1.22	14	15	10.09	Whithorn	12.56	1.92	1	14	13.87
Cave Valley	10.56	3.11	4	13	9.17	Water Works Pen	11.66	2.25	13	13	11.70
Point Hill	8.43	3.08	15	8	12.68	Askenish	19.00	4.24	17	9	
Bellas Gate	3.21	1.05	4	7		Grange Hill	13.76	2.98	17	14	13.18
Crofts Hill	3.06	1.35	3	5	8.14	King's Vale	14.09	3.16	17	12	11.43
Suttons						SOUTHERN DIVISION (S.)					
Chapelton	4.57	0.70	16	10	9.12	Morant Point L. H.	4.77	1.36	18	16	9.35
Crooked River	3.09	0.94	17	13		Golden Grove	5.67	1.74	19	9	
Trout Hall	4.43	3.02	29	8	11.69	Pleasant Hill	5.22	1.74	18	16	
James Hill	7.06	2.24	3	10		Phillipsfield	5.55	1.85	18	15	
Frankfield	6.78	3.65	3	9		Bowden	6.62	2.15	17	18	
WEST-CENTRAL DIVISION (W.C.)						East Prospect	10.02	4.54	17	16	10.00
Mocho, Clarendon	3.88	1.48	4	5	12.15	Morant Bay	7.36	2.73	17	15	7.59
Clarendon Park						Aeolus Valley	4.63	2.15	16	9	
Spaldings	5.40	2.75	3	8		Yallahs	2.26	0.82	16	7	
Williamsfield	4.54	1.25	14	12		Easington	3.25	1.33	16	12	6.82
Brokenhurst	4.26	1.65	3	11	10.19	Norris					
Shooters Hill	3.97	2.10	3	9	7.89	Mavis Bank	4.50	1.10	3	10	
Lowe River	8.94	3.54	5	10	11.43	Bull Bay	1.10	0.50	16	3	3.83
Christiana	7.16	1.93	2	13	11.53	Bellevue					9.41
Clifton Hill	5.20	2.00	3	8		Gordon Town	6.52	1.43	14	12	7.83
Kendal, Manchester					10.95	Irish Town	7.93	1.90	2	10	6.87
Battersea						Hope Gardens	6.31	1.65	14	14	6.47
Bleak House	3.22	1.27	3	10		Ivor	6.35	2.43	3	7	
Mereworth	4.28	2.20	3	9		Plumb Point L.H.	1.86	0.65	17	5	4.96
Mandeville	4.48	1.36	3	9	10.88	King's House Gar.	1.95	1.05	14	5	6.34
Chudleigh					11.26						4.14
Ulster Spring	11.82	4.44	25	13	11.97	Upper Kingston	1.91	0.69	17	8	
Marshalls' Pen	3.13	1.16	3	8	10.77	Kingston P.W.O.	1.77	1.09	17	6	4.39
Greenvale						Halfway Tree	2.26	1.43	4	6	5.01
Albert Town	10.18	4.50	25	8	11.14	Clifton Pen	1.38	0.67	14	6	4.83
Warsop	12.55	2.71	13	13							

STATION.	May, 1928.					STATION.	May, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Farm I.						Great Valley, Man.	0.85	0.31	14	4	6.86
Quarantine Station	1.89	0.67	17	7	4.31	Alligator Pond	0.71	0.57	3	2	5.62
Cumberland Pen						Fairfield	2.99	1.69	3	9	8.13
Watson Grove						Lititz	3.66	2.64	3	6	6.98
Great Salt Pond						Myersville					
Hematine	3.16	0.85	14	11		Gilnock	6.13	2.95	14	6	
Spanish Town	4.83	2.00	25	9	6.21	Southfield, St. Eliz.	1.35	1.12	3	2	7.99
The Stewartry	3.60	2.72	14	6		Bethlehem, St. Eliz.					7.82
Hog Hole, St. Cath.	4.10	0.57	4	6	7.16	Torrington	1.41	0.80	3	5	7.06
Hartlands	3.11	2.40	4	5	6.00	Santa Cruz	3.99	1.78	14	8	12.01
Amity Hall	4.20	2.34	4	13		Pedro Plains	0.27	0.18	14	3	3.81
Bushy Park	4.22	2.40	4	9		Mountainside	1.83	1.45	2	3	
Old Harbour	3.44	2.50	4	5	6.08	Fort Charles	0.27	0.27	14	1	
May Pen	1.51	0.61	24	7	7.21	Black River	2.16	0.63	14	7	6.89
Glen Muir	1.05	0.75	4	2		Font Hill	4.30	2.15	14	5	7.78
Dry River, Vere	1.31	0.66	5	7	5.61	Mount Edgecombe	5.84	1.81	15	12	8.29
New Yarmouth					5.50	Sweet River	11.66	2.00	12	12	9.71
Cottage	1.11	0.44	17	4		Sav.-la-Mar	5.72	1.63	15	12	8.52
Belle Plain	2.97	1.41	5	7		Orchard	7.13	1.21	18	13	9.02
Milk River	4.15	2.64	25	4	6.45	Little London	7.55	2.13	18	11	
Retrieve	2.71	0.97	25	8		Retreat	7.50	2.90	18	11	8.88
Hog Hole, S. Man.	3.89	1.75	14	7		Negril Point L. H.	3.90	1.55	15	10	6.19
Stone's Hope	4.27	0.90	3	10	9.06						
Newport, Man.	4.55	1.85	3	12	8.64						

NOTES.

SHOCKS OF EARTHQUAKE IN MAY, 1928.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	May.			
	Rainfall.		Rainy days.	
	1928.	Ave.	1928.	Ave.
	Ins.	Ins.		
North-Eastern	10.95	10.39	12	13
Northern	6.74	6.95	11	10
West-Central	10.26	12.28	11	15
Southern	3.93	6.78	8	10
The Island means.	7.97	9.12	10	12

Date.	Standard Time (Approx.)	Intensity	Notes: where, etc.
14th	12.55 p.m.	I	Trinity Ville*

* From Daily Gleaner.

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND.

The mean rainfall for the month was still below the average, except in the North-Eastern Division but was well distributed, as will be seen from the comparative Table of Rainfall and rainy days on page 4. The greatest number of rainy days was 19 at Rio Magno in the Central Sub-division.

Most of the rain appears to have fallen between the 14th and 18th, but there were also some good showers on the 3rd, 4th and 25th.

The greatest total fall was 24.29 inches at Millbank in the North-Eastern Division and the heaviest fall in 24 hours was 13.20 inches at Mt. Holstein in the same Division on the 14th.

High winds were experienced in most parts of the Island throughout the month, and a Solar halo was observed at St. Ann's Bay on the 30th.

The Mean rainfall in each Parish is given below:—

	Ins.		Ins.
Kingston	1.85	St. James	10.08
St. Andrew	6.16	Hanover	10.81
St. Thomas	6.36	Westmoreland	11.30
Portland	15.40	St. Elizabeth	6.46
St. Mary	8.06	Manchester	3.76
St. Ann	7.10	Clarendon	3.60
Trelawny	9.71	St. Catherine	5.30

AT KINGSTON.

The rainfall for the month of May shewed only 40% of the normal of 50 years. This is the 6th month in succession gauging a rainfall total much below the normals. The greatest fall in 24 hours was 1.09 inch on 17th. There were only 6 rainy days out of the 47-year normal of 8 days. Light rain was observed on the nearby hills to northward on 2nd, 3rd, 13th, 14th, 17th and 25th; to the north-east on 3rd, 8th, 12th, 16th and 25th, to, south-east on 16th, 17th and 24th. To west on 24th. The rainfall for the upper boundary of Kingston was 1.91 inch, with 8 rainy days.

The mean of the daily miles of wind registered was 213, which is slightly over the 20-year normal of 208. Maximum number of miles, of wind in one day was 344 on 29th and 30th, and the minimum 120 on 5th. South-easterly wind, similar to that of the preceding month, prevailed for the most part during the second half of the month, when it continued day and night from 21st to 31st.

Distant lightning was observed to northward and north-eastward on seven different days, and was particularly vivid during the evenings of 16th and 17th to the north-eastward. Distant thunder-storms were noted to northward on 3rd, 12th, 13th, 14th, 15th and 20th.

The mean barometric pressure was 29.910 ins., corresponding with that of the 33-year normal. Highest barometer reading was 29.986 ins. on 19th at 7 a.m., and lowest 29.801 ins. on 5th at 7 a.m. (correc. for diur. var.). The mean temperature, based upon four observations per day, was 79.5 degs.: the 33-year normal being 79.7 degs., but the mean for the first half of the month was 2.0 degs. lower than the second half, on account of the south-easterly wind being persistent for about 11 days during the latter part of the month, the warmer air having increased the mean temperature records somewhat. The maximum temperature was below 90 degs. throughout, and the minimum temperature was below 70 degs. on 5th, 6th and 7th. Highest maximum 89.1 degs. on 28th. Lowest minimum 63.9 degs. on 5th.

The mean relative humidity was 1% below the 33-year normal. The mean 7 a.m. humidity was 80%, and the mean 3 p.m. was 68%, similar to the figures for the month previous. Lowest 7 a.m. 70% on 9th and 28th, and lowest 3 p.m. 50% on 6th.

The sky was overcast in the early morning on 9 occasions, and in the afternoon on 19 occasions. There was frequent haze seen during the early morning especially towards the close of the month.

Solar halos were observed on 7th, 25th and 30th, and a lunar halo seen on 30th from 10 to 11 p.m.

The total Evaporation for the month was 7.88 inches.

J. F. BRENNAN,
Government Meteorologist.

Kingston, June 20th, 1928.



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
JUNE, 1928.

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 Anemometer, the factor 3 being assumed correct for the small four-cup instruments used and for the small velocities measured.
The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus; the Middle clouds cumulus and the Upper clouds, cirrus and cirro-stratus.
The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.
The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					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 Point Light House	8	29.966	29.939	81.5	83.3	85.3	78.0	7.3	86.6	25	70.0	29	16.6
Kingston	24	29.937	29.890	77.6	86.7	89.6	74.2	15.4	94.3	19	70.8	20	23.5
Negril Point Light House	33	29.940	29.909	78.3	85.7	88.9	72.5	16.4	93.0	21	70.0	1	23.0
Castleton Gardens	496			69.8	84.0	89.6	68.8	20.8	94.0	24*	66.0	4*	28.0
Hope Gardens†	668	29.958	29.883	75.7	83.9	90.8	69.7	21.1	94.0	13*	66.0	3	28.0
Stony Hill Indus. School	1,400			68.0	77.9	82.9	69.5	13.4	90.0	21*	68.0	22*	22.0
Hill Gardens	4,900	25.274	25.264	64.3	68.1	73.3	59.1	14.2	77.0	13*	57.0	30	20.0

STATIONS.	Elevation.	Dewpoint 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 Point Light House	8	75	82	74	77	2.20	300	E.	16.0	E.N.E.	14.0	2.2	1.6	1.5	2.1	1.3	2.9
Kingston	24	69	74	71	60	1.29	250	E.	5.9	S.E.	19.0	1.0	1.0	3.6	1.1	1.7	5.0
Negril Point Light House	33	71	77	75	70	4.23	195	N.E.	6.6	S.E.	11.5	1.0	1.1	4.5	2.8	4.4	1.9
Castleton Gdns	496	69	95	77	79	2.27	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69	78	67	57	1.22	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	3.22	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	60	87	61	79	1.65	..	..	..	..	..	..	..	..	..	..	..

*And on other days.

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

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 Negri; 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.



STATION.	June, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Average.	
	Amount.	Date.	Days on which 0.01 or more fell.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	4.66	2.07	30	10	9.37
Priestman's River	5.03	2.03	3	10	..
Fairy Hill	4.78	2.30	30	8	..
Bath	7.50	2.50	29	11	12.16
Millbank	..	..	..	..	..
Moore Town	8.19	2.00	29	14	21.77
Port Antonio	7.61	4.34	30	11	16.68
Passley Garden	8.40	6.04	30	10	..
Fellowship	14.23	7.41	30	17	20.08
Johnson River Br.	7.04	2.40	30	9	13.68
Trinity Ville	5.45	2.50	30	6	..
Shrewsbury	23.90	18.40	30	10	11.98
Hope Bay	10.43	5.90	30	12	..
Cedar Valley	4.35	2.90	30	3	14.86
Moy Hall	4.16	2.45	30	6	..
Paradise	21.72	15.57	30	12	..
Lennox	25.04	20.66	30	10	..
Greenvale	2.65	1.28	7	3	4.80
Spring Garden	13.46	*10.30	30	8	6.53
Hill Gardens	1.65	0.66	30	4	7.63
Buff Bay	16.25	12.75	30	8	7.50
Belvedere, Portland	3.62	2.00	30	4	..
Windsor Castle do	7.76	5.50	30	5	5.95
Balcarres	2.43	0.97	30	5	..
Mt. Holstein	2.42	1.00	30	4	6.43
Cedar Hurst	1.33	0.87	30	6	..
Hardware Gap	2.73	1.40	8	2	7.12
Rose Hill	2.89	1.30	8	4	6.40
Hermitage	2.51	0.85	30	10	..
Stony Hill Ind. Schol.	3.22	1.11	30	6	7.18
Iter Boreale	5.85	5.09	30	6	..
Enfield	1.36	0.91	30	5	..
Agualta Vale	3.48	1.03	30	6	3.59

*Gauge Overflowed.

STATION.	June, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Average.	
	Amount.	Date.	Days on which 0.01 or more fell.		
NORTH-EASTERN DIVISION, contd.					
Castleton Gardens	2.27	0.80	30	6	9.37
Water Valley	4.05	1.12	8	8	4.28
Albany	4.72	1.12	8	7	..
Lawrence Tavern	1.15	0.75	28	2	6.77
Platfield	..	..	..	..	7.40
Richmond, St. Mary	4.00	1.90	8	11	5.34
Quebec, St. Mary	4.57	1.92	30	5	5.36
Zion Hill	4.19	1.65	20	6	..
Carew Castle	4.82	2.10	20	7	9.10
Hampstead, St. Mary	4.48	1.15	8	7	4.47
Windsor Castle do	3.00	0.75	30	8	..
Troja	3.59	0.90	28	7	..
Pear Tree Grove	0.71	0.31	29	3	..
Guys Hill	0.53	0.30	30	2	..
Lucky Hill	3.27	0.98	8	10	4.32
Rio Hee	2.60	1.00	30	5	8.29
Unity Valley	2.10	0.70	30	12	8.18
Moneague	3.03	0.81	30	8	7.96
Claremont	4.40	1.96	4	6	5.66
Averham Park	2.66	1.75	4	4	5.62
Albion	1.40	0.47	30	9	6.43
NORTHERN DIVISION (N.)					
Port Maria	5.05	2.60	30	9	5.44
Eden Park	1.93	0.96	30	9	..
Oracabessa	1.34	0.50	8	4	..
New Ramble	..	..	..	..	6.64
Huddersfield	0.57	0.26	16	3	..
Ocho Rios	1.04	0.40	28	6	3.94
Bogue, Ocho Rios	2.67	0.89	4	4	4.52
Drax Hall	..	..	..	..	4.73
Rockfield	1.17	0.56	30	7	3.73
Liberty Hill	1.52	0.52	29	6	4.35
St. Ann's Bay	2.58	0.64	4	9	4.03
Seville	1.77	0.52	4	5	4.51
Richmond Estate	1.09	0.51	29	6	4.54
Llandovery	1.45	0.50	29	6	4.26
Runaway Bay	0.58	0.42	28	2	..
Knapdale	2.06	1.11	12	9	..
Alexandria	0.93	0.25	8	5	..
Brown's Town	1.52	0.81	29	7	4.00
Watt Town, St. Ann	3.29	1.03	8	7	..
Home Castle	..	..	..	..	3.94
Richmond Pen	1.33	0.50	8	7	5.03
Bryan Castle	0.40	0.25	4	3	3.30
Braco	0.50	0.25	4	3	2.93
Arcadia	..	..	..	..	4.00
Vale Royal	..	..	..	..	4.35
Harmony Hall	0.99	0.51	4	3	2.82
Colchis Pen	3.60	1.30	28	9	4.59
Duncans	1.20	0.85	4	3	..
Clark's Town	3.83	1.00	24	8	..
Carey Park	..	..	..	..	..
Falmouth	1.16	0.59	4	4	2.55
Canaan	3.38	1.05	5	6	7.02
Grange	..	..	..	..	..
Success	0.00	..	..	0	2.44

STATION.	June, 1928.					STATION.	June, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL DIVISION, contd.	In.	In.			In.
Rose Hall	0.00			0	3.05	Troy	4.25	1.30	20	6	8.12
Cinnamon Hill	0.00			0	3.10	Wallingford	1.34	0.88	30	3	5.74
Tryall	0.05			1	6.84	Balaclava	1.01	0.86	28	3	4.84
Running Gut	0.00			0	3.11	Appleton	3.75	0.95	30	11	
Spring Estate	0.00			0	2.95	Deeside	3.74	1.21	6	11	
Friendship	4.02	1.10	30	14		Maggotty	5.05	1.56	29	8	6.51
Retirement	3.17	1.56	10	12	7.67	Lacovia	2.74	1.35	29	5	
Belfield	4.33	1.48	10	10	4.19	Ipswich					
Montego Bay	4.09	1.15	28	12	6.44	Kempshot	6.21	3.40	10	15	8.71
Anchovy	2.13	0.40	28	14	7.64	Garlands	5.49	1.60	28	14	
Blue Hole	7.67	3.28	26	17		Mocho, St. James					
Kew	5.70	1.50	30	9	8.37	Bandon Pen	4.17	1.16	11	11	
Lucea	5.45	1.41	26	14	8.28	Springfield, St. Eliz.	7.45	1.95	25	12	
Haughton Court					8.40	Catadupa					10.64
Cousins Cove	6.04	1.24	9	18		Cambridge, St. Jas.	8.01	2.15	20	20	10.59
Green River	12.43	2.40	27	14		New Market	5.31	1.25	20	12	8.25
Green Island	10.92	2.35	27	20		Kew Park	8.44	2.10	8	13	9.26
Haughton Hall	11.37	2.36	27	20		Montpelier	4.69	1.02	1	10	
CENTRAL SUB- DIVISION.						The Bog	4.54	1.01	15	12	9.00
Knollis	8.19	1.82	30	11		Bethel Town Dist.	12.59	2.81	8	16	
Highgate						Burnt Ground	5.27	1.29	8	13	10.84
Rio Magno	3.48	1.20	30	11		Haughton Grove	6.42	1.13	26	17	8.88
Riversdale	6.13	1.80	30	10		Darlinton	8.91	1.73	25	11	10.43
Headworks, R.C.C.	1.30	1.30	30	1	5.45	Knockalva	6.83	0.98	28	19	10.16
Berkshire Hall					8.34	Ramble	6.22	0.86	20	15	
Bog Walk	3.70	1.70	30	6		Bluefields	1.89	0.35	21	9	10.50
Linstead	4.13	1.50	30	14	7.89	Whithorn	6.60	1.10	1	12	9.97
Cave Valley	2.68	1.00	30	8	7.43	Water Works Pen	7.55	1.85	29	15	9.69
Point Hill	2.40	1.55	30	6	9.99	Askenish	12.80	1.75	27	14	
Bellas Gate	1.30	1.30	30	1		Grange Hill	6.83	1.21	17	12	10.80
Crofts Hill	0.73	0.43	30	2	4.60	King's Vale	10.54	1.75	1	13	12.27
Suttons	1.60	1.15	30	4		SOUTHERN DIVISION (S.).					
Chapelton	2.55	1.25	30	5	6.79	Morant Point L. H.	2.20	0.66	30	10	6.21
Crooked River	2.23	1.26	29	5		Golden Grove	5.24	2.20	30	8	
Trout Hall					6.37	Pleasant Hill	4.70	2.32	30	11	
James Hill	3.36	1.45	20	4		Phillipsfield	4.39	2.20	30	11	
Frankfield	3.61	2.20	30	6		Bowden	4.00	1.56	30	12	
WEST-CENTRAL DIVISION (W.C.)						East Prospect	4.45	2.02	30	10	7.78
Mocho, Clarendon	1.74	1.28	30	3	8.15	Morant Bay	5.24	3.10	30	11	8.71
Clarendon Park						Aeolus Valley	6.00	3.00	30	8	
Spaldings	3.62	2.49	30	5		Yallahs	3.25	2.25	30	5	
Williamsfield	3.58	2.60	30	5		Easington	4.74	3.05	30	9	8.69
Brokenhurst	2.31	2.01	30	5	11.50	Norris					
Shooters Hill	4.28	2.18	30	4	5.54	Mavis Bank	2.48	1.80	30	3	
Lowe River	2.37	1.00	30	4	6.22	Bull Bay	1.80	1.60	30	2	4.99
Christiana	1.74	1.17	30	7	6.88	Bellevue					4.12
Clifton Hill	3.10	3.05	30	2		Gordon Town	1.32	0.98	30	3	5.18
Kendal, Manchester	3.43	1.90	30	6	8.30	Irish Town	1.50	1.05	30	3	5.10
Bleak House						Hope Gardens	1.22	0.85	30	3	5.22
Mereworth	2.92	2.40	30	4		Ivor	1.26	0.73	30	2	
Mandeville	3.05	3.05	30	1	8.83	Plumb Point L.H.	1.93	1.90	30	2	4.38
					5.60	King's House Gar.	1.00	1.00	30	1	4.63
Ulster Spring	4.47	1.35	20	9	6.29	Upper Kingston	1.29	1.18	30	4	1.04
Marshalls' Pen	2.40	2.31	30	2	7.03	Kingston P.W.O.	1.29	1.14	30	5	4.10
Greenvale	1.83	1.30	30	3		Halfway Tree	1.36	1.13	30	4	3.93
Albert Town	4.70	2.20	20	6	5.77	Clifton Pen	1.50	1.25	30	3	5.01
Warsop	3.47	1.00	28	8							

STATION.	June, 1928.					STATION.	June, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		In.	Amount.					Date.	In.			Amount.	Date.
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Farm I.	1.54	1.47	30	2	3.52	Great Valley, Man.	1.23	1.23	30	1	7.15
Quarantine Station	1.43	1.36	30	3		Alligator Pond	2.20	1.60	30	2	4.59
Cumberland Pen	1.42	1.38	30	2	4.71	Fairfield	1.71	1.68	30	2	6.44
Watson Grove	1.33	1.33	30	1		Lititz	1.23	1.23	30	1	2.24
Great Salt Pond	1.48	1.42	30	2	5.24	Myersville	1.27	1.00	30	2	
Hematine	1.37	1.25	30	2	5.72	Gilnock	2.15	1.67	30	2	3.40
Spanish Town	1.35	1.20	30	4		Southfield, St. Eliz.	1.73	1.20	30	3	4.23
Bushy Park	1.50	1.28	30	4		Bethlehem, St. Eliz.	1.50	1.50	30	1	3.55
Old Harbour	1.58	1.30	30	4	6.32	Torrington	1.43	1.00	30	2	5.82
May Pen	1.45	1.42	30	2	6.25	Santa Cruz	1.02	0.93	30	3	3.69
Glen Muir	1.25	1.25	30	1		Pedro Plains	0.66	0.66	30	1	
Dry River, Vere	2.23	2.13	30	2	4.39	Mountainside	1.74	0.93	20	4	3.82
Cottage	1.82	1.82	30	1		Fort Charles	2.85	1.10	20	5	5.14
Belle Plain	1.12	1.08	30	2		Black River	1.61	0.57	20	8	6.35
Milk River	1.98	1.75	30	2	6.37	Font Hill	4.66	2.04	27	13	7.11
Retrieve	0.32	0.25	6	2		Mount Edgecombe	5.02	2.26	27	7	6.38
Hog Hole, S. Man.	2.40	2.40	30	1		Sweet River	4.43	2.11	27	12	7.00
Stone's Hope	3.18	3.06	30	2	8.63	Sav.-la-Mar	2.25	1.13	27	8	
Newport, Man.	3.44	3.23	30	3	8.45	Orchard	5.12	1.50	27	11	7.10
						Little London	4.23	1.25	21	15	5.49
						Retreat					
						Negril Point L. H.					

NOTES.

SHOCKS OF EARTHQUAKE IN JUNE, 1928.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	June.			
	Rainfall.		Rainy days.	
	1928.	Ave.	1928.	Ave.
	In.	In.		
North-Eastern	5.52	8.66	7	11
Northern	2.00	5.25	7	9
West-Central	4.84	8.95	9	13
Southern	2.30	5.85	4	8
The Island means.	3.69	7.18	7	10

Date.	Standard Time (Approx.)	Intensity	Notes: where, etc.
		None reported.	

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND.

The mean rainfall for the month and the number of rainy days were much below the average, as will be seen on reference to the Comparative Table on page 4. In the eastern half of the Island practically all of the rain appears to have fallen on the 30th, but in the western half it was better distributed.

The greatest total fall was 25.04 ins. at Lennox in the North-eastern Division, and the heaviest fall in 24 hours was 20.66 ins. at the same station on the 30th. The greatest number of rainy days was 20 at Cambridge in the West-central Division.

No rain fell at the following stations:—Success, Rose Hall, Cinnamon Hill, Running Gut and Spring Estate.

The mean rainfall for the six months is given below and shews a deficiency of 11.33 ins. as compared with the 50-year average of 31.91 ins.

	1928 ins.	50-year average ins.
January	2.20	4.10
February	1.14	3.06
March	1.69	3.42
April	3.89	5.03
May	7.97	9.12
June	3.69	7.18
Total	20.58	31.91

The mean rainfall for each parish is shewn below:—

	Ins.		Ins.
Kingston	1.50	St. James	2.93
St. Andrew	1.84	Hanover	8.56
St. Thomas	4.85	Westmoreland	5.95
Portland	9.53	St. Elizabeth	2.48
St. Mary	3.33	Manchester	2.54
St. Ann	2.00	Clarendon	2.09
Trelawny	2.68	St. Catherine	2.66

On the 20th a gale, accompanied by very heavy rain and hail, thunder and lightning, occurred at Harker's Hall in Saint Catherine, and did considerable damage to cultivation in the vicinity. Hail also fell at Springfield, St. Elizabeth, on the 25th.

CITY OF KINGSTON.

For the month of June, 1928, the total rainfall amounted to only 1.29 inch or about 30% of the 50-year normal. This is the seventh month, in succession, gauging considerably less than the average. Then, for the half year the aggregate gives only 4.41 inches, as against the six months normal aggregate of 12.31 inches, resulting in a deficiency of nearly eight inches. The drought has been severely experienced around. Greatest fall in 24 hours was 1.14 inch on 30th, the rest of the month had hardly any rainfall; there were, however, five rainy days of very light rain. Light rain was observed on the nearby hills to the north on 8th, 19th, 20th and 30th. To the south-east on 5th and 7th. To north-west on 24th, 28th and 29th.

The mean of the daily miles of wind registered was 250, or about 5% above the 20-year normal of 239. Maximum miles of wind in one day was 363 on 3rd, and minimum 169 on 20th. South-easterly wind continued late into the evenings on 23 occasions, and commenced early on 6 days. Several times it continued throughout the night as well. S.E. rain squalls blew on 22nd, 29th and 30th.

Distant lightning was observed to the north on one night. To the north-east on 27th, 28th and 30th, as well as to seaward on 30th and was particularly vivid to N.E. on nights of 29th and 30th.

Distant thunderstorm to North on 30th, and N.W. on 24th, 28th and 29th.

The mean barometric pressure was 29.920 ins. the 33-year normal being 29.932 ins. Highest barometer reading 29.996 ins. on 30th at 3 p.m., and lowest 29.870 ins. on 20th at 7 a.m. (correc. for diur. var.) The mean temperature was 81.5 degs. and the 33-year normal 80.9 degs. The first half of the month was 0.4 deg. higher than the second half. The maximum temperature was 90 degs. and above on 15 days, and the minimum temperature was above 70 degs. throughout. Highest maximum 94.3 degs. on 19th and lowest minimum 70.8 degs. on 20th. The mean relative humidity was 7% below the 33-year normal, owing, no doubt, to the deficiency of rainfall and to the excess of the south-easterly wind. The mean 7 a.m. humidity was 74% and the 3 p.m. 60%. Lowest 7 a.m., 61% on 23rd, and lowest 3 p.m. 42% on 19th and 26th.

The sky was overcast in the early morning on 15 occasions, and in the afternoon on 23 occasions. Haze was observed, frequently, during the early forenoon hours.

The mean number of sunshine hours was 7.8.

A solar halo was seen on 3rd at about noon.

Rainfall for the upper boundary of Kingston was 1.29 inch with four rainy days.

Total evaporation for the month was 8.25 inches.

J. F. BRENNAN,
Government Meteorologist.

Kingston, July 24, 1928.



JAMAICA
WEATHER REPORT.
 FOR THE MONTH OF
 JULY, 1928.

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 four-cup instruments used and for the small velocities measured.

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

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

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					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 Point Light House	8	30.00	29.973	81.9	84.0	85.5	78.6	6.9	87.0	31	72.6	6	14.4
Kingston	24	29.971	29.918	76.2	87.1	89.8	73.6	16.2	94.4	16	71.2	2*	23.2
Negril Point Light House	33	29.975	29.951	77.7	84.3	89.2	72.5	16.7	92.2	17	69.5	19	22.7
Castleton Gardens	496			70.4	85.1	90.7	69.5	21.2	96.0	21	65.0	8	81.0
Hope Gardens†	668	29.982	29.923	72.5	82.9	94.7	67.7	27.0	95.0	22	60.0	22	35.0
Stony Hill Indus. School	1,400			68.0	78.2	79.5	67.4	12.1	82.0	1*	66.0	15*	16.0
Hill Gardens	4,900	25.296	25.285	64.6	70.7	74.2	59.5	14.7	79.0	25	57.0	2*	22.0

STATIONS.	Elevation.	Dewpoint 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 Point Light House	8	76	81	75	76	2.10	332	E.N.E.	17.5	E.N.E.	16.0	1.1	1.8	2.6	1.6	2.2	2.9
Kingston	24	69	79	72	61	0.31	257	N.N.E.	4.4	S.E.	22.0	0.6	1.2	2.5	2.1	1.7	3.0
Negril Point Light House	33	71	81	75	74	4.87	172	N.E.	7.2	E.S.E.	9.2	1.0	0.4	5.5	1.6	6.5	0.8
Castleton Gdns	496	68	92	76	75	3.56	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens	668	63	71	67	66	0.72	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Indus. Schl.	1,400	...	...	...	...	1.21	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	4,900	60	82	62	72	1.56	...	...	...	...	...	...	...	...	...	...	...

*And on other days.

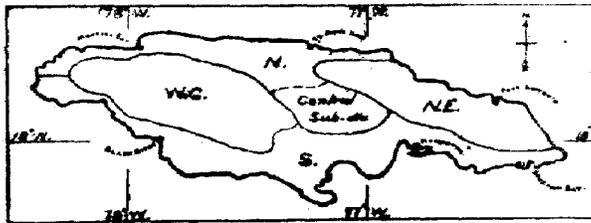
†Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.



STATION.	Total Fall.		Greatest fall in 24 hours.		Average.
	Amount.	Date.	Days on which 0.01 or more fell.		
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	3.55	1.65	5	8	6.21
Priestman's River	5.18	3.40	5	6	
Fairy Hill	6.82	2.68	5	12	
Bath	8.12	3.40	5	17	8.76
Millbank	11.03	5.11	5	9	
Moore Town	22.04	4.00	15	15	17.72
Port Antonio	7.24	3.19	5	8	10.84
Passley Garden	6.53	2.88	5	13	
Fellowship	8.83	4.37	5	18	15.06
Johnson River Br.	8.85	4.25	5	15	7.03
Trinity Ville					9.29
Shrewsbury					
Hope Bay	6.84	3.14	5	9	
Cedar Valley	4.74	2.70	5	8	4.79
Moy Hall	3.27	2.17	5	6	
Paradise					
Lennox	7.07	5.28	5	10	
Greenvale	3.69	2.80	5	5	3.73
Spring Garden	5.60	3.05	5	10	5.49
Hill Gardens	1.56	1.00	5	4	3.64
Buff Bay	5.27	3.60	5	5	6.93
Belvedere, Portland	3.60	3.60	5	1	
Windsor Castle do	3.77	3.00	4	3	3.98
Balcarres	3.41	3.21	5	2	
Mt. Holstein	2.54	2.19	5	3	5.24
Cedar Hurst	1.53	0.96	5	8	
Hardware Gap	2.17	1.50	5	3	4.19
Rose Hill	1.38	0.94	6	2	5.92
Hermitage	1.41	0.63	7	6	
Stony Hill Ind. Schl.	1.21	0.53	6	8	5.16
Iter Boreale	4.07	2.49	5	6	
Erfield	2.13	1.96	5	2	
Agualta Vale	2.17	1.63	5	4	3.62

STATION.	July, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Castleton Gardens	3.56	1.10	3	6	6.12
Water Valley	1.35	0.85	5	4	3.52
Albany	1.37	0.95	5	4	
Lawrence Tavern	3.38	0.85	31	8	5.45
Flatfield					3.33
Richmond, St. Mary	1.42	0.95	5	5	3.54
Quebec, St. Mary	3.38	1.10	5	7	3.51
Zion Hill	2.40	1.50	8	2	
Carew Castle	2.77	0.88	27	6	6.44
Hampstead, St. Mary	0.85	0.72	5	3	3.61
Windsor Castle do	3.10	1.10	1	5	
Troja	4.52	1.87	8	6	
Pear Tree Grove	5.86	2.93	7	6	
Guys Hill	5.40	4.00	4	2	
Lucky Hill	0.59	0.35	5	7	3.60
Ric. Eoe					4.24
Unity Valley	9.55	2.46	23	15	5.59
Mcneague	7.23	1.90	23	12	4.52
Claremont	4.71	1.12	27	8	3.35
Averham Park					3.06
Albion	2.71	0.61	7	10	4.09
NORTHERN DIVISION (N).					
Port Maria	2.81	1.15	5	9	4.05
Eden Park	2.15	0.73	5	10	
Oracabessa	2.61	1.29	5	7	
New Ramble					2.87
Huddersfield	2.19	0.55	26	6	
Ocho Rios	1.37	0.50	3	5	2.24
Begue, Ocho Rios	2.54	1.20	4	4	2.89
Drax Hall	3.68	0.89	3	9	2.89
Rockfield	2.45	0.72	3	8	3.39
Liberty Hill	2.47	0.90	3	8	2.33
St. Ann's Bay	4.61	1.22	27	11	3.01
Seville					2.53
Richmond Estate	3.28	1.01	26	11	2.31
Llandoverly	3.75	0.70	5	9	2.09
Runaway Bay	2.09	0.85	26	5	
Knappdale	2.21	0.42	7	11	
Alexandria	3.47	1.47	9	11	
Brown's Town	1.15	0.45	4	6	2.55
Watt Town, St. Ann	1.16	0.40	9	4	
Home Castle					2.20
Richmond Pen	2.08	0.70	27	7	3.12
Bryan Castle	1.10	0.70	7	4	1.83
Braco	1.30	0.50	26	5	1.65
Arcadia					2.22
Vale Royal	2.44			5	3.76
Harmony Hall	1.06	0.37	26	4	1.55
Colchis Pen	4.46	1.12	30	14	3.04
Duncans	1.08	0.48	7	3	
Clark's Town	2.68	0.70	3	7	
Carey Park					
Falmouth	0.72	0.25	6	7	1.54
Canaan	4.18	0.87	29	8	4.47
Grange					
Success	0.15				1.49

STATION.	July, 1928.					STATION.	July, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL <i>DIVISION, contd.</i>	In.	In.			In.
Rose Hall	0.15				1.29	Troy	5.74	2.10	26	8	6.93
Cinnamon Hill	0.15				1.34	Wallingford	1.50	0.90	31	4	5.44
Tryall	0.30				4.92	Balaclava	1.98	0.75	31	6	4.67
Running Gut	0.10				1.38	Appleton	3.49	1.50	31	8	
Spring Estate	0.05				1.87	Deeside	4.32	1.26	8	12	
Friendship	2.44	0.91	23	10		Maggoty	2.77	1.13	31	6	8.41
Retirement	4.23	2.23	23	17	3.91	Lacovia	0.62	0.50	31	2	
Belfield	4.63	2.47	23	14	2.90	Ipswich	8.09	2.01		11	
Montego Bay	2.28	0.84	23	12	3.46	Kempshot	7.83	3.00	8	13	5.88
Anchovy	1.59	0.20	3	15	4.69	Garlands	9.69	2.05	26	14	
Blue Hole	4.49	1.00	27	14		Mocho, St. James	8.67	2.10	5	13	
Kew	4.25	1.95	30	9	5.35	Bandon Pen	8.35	1.57	2	11	
Lucea	2.48	1.02	30	12	5.43	Springfield, St. Eliz.	4.46	1.14	15	10	
Haughton Court	2.79	1.00	29	9	4.97	Catadupa					9.60
Cousins Cove	4.73	2.98	2	11		Cambridge, St. Jas.	5.34	1.02	7	18	10.37
Green River						New Market	3.91	0.72	20	10	7.53
Green Island	7.87	1.40	23	15		Kew Park	10.87	2.10	30	16	10.00
Haughton Hall	7.23	1.15	23	19		Montpelier	7.79	1.54	7	12	
CENTRAL SUB- DIVISION.						The Bog	3.42	1.39	15	9	9.25
Knollis	2.25	0.75	15	15		Bethel Town Dist.	12.49	3.42	7	18	
Highgate	2.61	0.85	26	8		Burnt Ground	7.13	1.01	12	14	9.04
Rio Magno	7.23	1.25	7	13		Haughton Grove	5.78	0.97	13	16	8.46
Riversdale	3.64	2.08	8	8		Darliston	4.63	0.94	27	10	11.25
Headworks, R.C.C.	1.62	0.68	16	4	3.34	Knockalva	4.93	0.69	31	16	8.28
Berkshire Hall					4.84	Rambie					
Bog Walk	2.00	1.10	15	4		Bluefields	1.68	0.33	5	10	9.68
Linstead	1.65	0.45	8	8	6.21	Whithorn	6.54	1.00	3	17	10.36
Cave Valley	1.47	0.57	8	7	4.66	Water Works Pen	9.85	1.49	26	15	9.14
Point Hill	2.77	1.95	15	4	6.72	Askenish	12.84	2.70	30	12	
Bellis Gate	1.00	0.70	8	2		Grange Hill	4.63	0.84	30	17	11.58
Crofts Hill	0.32	0.32	6	1	3.10	King's Vale	6.03	1.85	30	13	10.46
Suttons	0.23	0.15	26	2		SOUTHERN DIVISION (S.)					
Chapelton	0.36	0.21	26	2	3.35	Morant Point L. H.	2.10	0.81	6	10	3.40
Crooked River	0.96	0.43	26	6		Golden Grove	2.88	2.10	25	3	
Trout Hall					5.02	Pleasant Hill	3.78	1.72	5	17	
James Hill	1.51	1.01	15	2		Phillipsfield	3.37	1.65	5	8	
Frankfield	2.87	1.58	26	6		Bowden	4.15	2.10	5	6	
WEST-CENTRAL DIVISION (W.C.)						East Prospect	4.04	2.38	5	10	5.19
Mocho, Clarendon	1.36	0.56	30	3	3.99	Morant Bay	3.54	1.78	5	14	5.61
Clarendon Park						Aeolus Valley	3.00	1.70	6	7	
Spaldings	2.87	1.02	15	6		Yallahs	1.73	1.00	5	2	
Williamsfield	2.18	0.74	26	12		Easington	2.35	0.94	5	12	5.43
Brokenhurst	1.15	0.45	6	4	5.23	Norris					
Shooters Hill	1.87	0.43	3	9	5.20	Mavis Bank	1.30	0.84	5	3	
Lowe River	0.85	0.35	14	3	4.16	Bull Bay	0.00			0	2.09
Christiana	2.59	1.04	15	12	4.40	Bellevue					2.04
Clifton Hill	1.35	0.50	27	6		Gordon Town	0.85	0.39	5	4	2.49
Kendal, Manchester	1.73	0.35	27	9	5.52	Irish Town	0.29	0.29	5	1	1.62
Bleak House						Hope Gardens	0.72	0.50	5	3	2.59
Mereworth	1.93	0.80	6	6		Ivor	0.21	0.21	1	1	
Mandeville	1.98	0.56	27	7	5.44	Plumb Point L.H.	0.32	0.30	5	2	1.86
						King's House Gar.	0.00			0	2.61
Ulster Spring	2.80	0.75	8	10	5.12	Upper Kingston	0.40	0.20	5	3	1.65
Marshalls' Pen	0.87	0.25	27	6	5.05	Kingston P.W.O.	0.31	0.18	5	2	1.62
Greenvale						Halfway Tree	0.41	0.26	5	2	1.59
Albert Town	1.54	0.50	10	6	4.90	Clifton Pen	0.00			0	1.32
Warsop	3.62	2.04	26	5							

STATION.	July, 1928.					STATION.	July, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	In.	In.			In.	SOUTHERN DIVISION, <i>contd.</i>	In.	In.			In.
Farm I.						Great Valley, Man.	0.56	0.35	6	3	3.11
Quarantine Station	0.40	0.21	5	2	0.91	Alligator Pond	0.18	0.18	5	1	2.26
Cumberland Pen						Fairfield	1.89	0.70	26	10	2.58
Watson Grove						Lititz	0.49	0.28	1	3	1.52
Great Salt Pond						Myersville	0.28	0.18	26	2	
Hematine	0.56	0.52	5	2		Gilnock	1.42	0.56	26	4	
Spanish Town	0.53	0.31	5	2	2.10	Southfield, St. Eliz.	0.84	0.33	6	4	1.88
The Stewartry	0.47	0.30	6	4		Bethlehem, St. Eliz.	1.49	1.37	25	2	2.90
Hog Hole, St. Cath.	0.65	0.29	5	4	2.40	Torrington	0.74	0.35	5	3	2.35
Hartlands	0.30	0.18	6	2	0.98	Santa Cruz	1.52	0.86	26	3	9.02
Amity Hall	0.26	0.14	6	2		Pedro Plains	0.69	0.34	31	5	1.56
Bushy Park	0.19	0.10	6	2		Mountainside	1.44	1.00	26	2	
Old Harbour	0.20	0.20	6	1	2.23	Fort Charles	0.06	0.06	30	1	
May Pen	0.92	0.65	16	3	3.04	Black River	0.37	0.31	16	2	4.70
Glen Muir						Font Hill	1.65	0.40	31	6	5.46
Dry River, Vere	0.43	0.21	1	3	1.43	Mount Edgecombe	1.30	0.35	15	10	6.96
Cottage	0.27	0.27	5	2		Sweet River	4.37	0.80	5	15	7.61
Belle Plain	0.00			0		Sav.-la-Mar	3.43	0.76	15	10	6.19
Milk River	0.11	0.11	6	1	2.03	Orchard	2.93	0.58	27	12	7.71
Retrieve	1.59	1.31	1	2		Little London	3.31	0.80	13	11	
Hog Hole, S. Man.	0.62	0.42	6	2		Retreat	5.49	1.35	5	12	7.54
Stone's Hope	0.58	0.30	6	3	6.36	Negril Point L. H.	4.87	1.27	11	12	5.70
Newport, Man.	1.01	0.70	6	5	3.54						

NOTES.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	July.			
	Rainfall.		Rainy days.	
	1928.	Ave.	1928.	Ave.
	Ins.	Ins.		
North-Eastern	4.62	5.68	7	10
Northern	2.08	3.22	8	7
West-Central	3.98	7.52	10	13
Southern	1.30	3.18	5	7
The Island means.	3.00	4.90	7	9

* From "Daily Gleaner."

SHOCKS OF EARTHQUAKE IN JULY, 1928.

Date.	Standard Time (Approx.)	Intensity	Notes: where, etc.
31st	2 45 a.m.	I	Moy Hall.
31st	3 00 a.m.	I	Cedar Valley *

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND.

The mean rainfall for the month was again deficient in all the divisions particularly the Southern; most of it appears to have fallen in the early part of the month, about the 5th and 6th and again towards the end of the month.

The mean number of rainy days was also below the average, the greatest number being 19 at Haughton Hall in the Northern division.

The greatest total fall was 22.04 inches at Moore Town, in the North-Eastern division and the heaviest fall in 24 hours was 5.28 inches at Lennox in the same division on the 5th.

No rain fell at the following stations: Bull Bay, Kings House Garden, Clifton Pen and Belle Plain. The mean rainfall for each parish is given below:—

	Inches.		Inches.
Kingston	0.34	St. James	3.77
St. Andrew	1.00	Hanover	5.87
St. Thomas	3.97	Westmoreland	5.41
Portland	6.53	St. Elizabeth	1.89
St. Mary	2.25	Manchester	1.38
St. Ann	3.25	Clarendon	0.79
Trelawny	2.41	St. Catherine	2.14

CITY OF KINGSTON.

The rainfall 0.31 inch, for the month of July was again abnormally below the 50-year average, and was less than one-fifth of the normal of 1.62 inch with only two rainy days, the 47-year average shews 5 rainy days. The greater fall in 24 hours was 0.17 inch on 6th. The drought continues to be severely experienced. Light rain was observed on the nearby hills to north on 11th, 27th and 30th, to north-east on 5th, to east-south-east on 6th, to east on 26th, to west on 10th, to north-west on 3rd, 6th, 7th, 8th, 9th, 10th, 16th and 23rd. The aggregate rainfall for the past seven months shews only 4.72 inches and represents a deficiency of 9.21 ins. or otherwise the Kingston rainfall was about only one-third of the average. The rainfall for the upper boundary of Kingston was 0.40 inch with three rainy days.

The mean of the daily miles of wind registered was 257, which is about 14% above the 20-year average of 227. Maximum number of miles of wind in one day was 347 on 22nd, and minimum 168 on 10th. The prevailing south-east wind was much in excess of the normal, and it continued late into the evenings on 16 occasions. There were no south-east squalls of note.

Distant lightning was observed to N.E. on 5 nights, to E. on one night. There was vivid distant lightning to N.E. on 5th. Distant thunder-storms were noted to north on 1st, 11th, 27th and 29th, to north-east on 20th, 21st, 22nd and 23rd, to north-west on 3rd, 6th, 7th, 8th, 9th, 10th and 26th, and to seaward on 1st. Local thunderstorm on 5th, 6th and 30th.

The mean barometric pressure was 29.956 ins. the 33-year normal being 29.960 ins. Highest barometer reading 30.034 ins. on 24th at 3 p.m. and lowest 29.876 ins. on 18th at 3 p.m. (corr. for diurnal var.) Mean temperature based upon four observations per day was 81.2 degs., the 33-year normal being 81.4 degs. But the second half of the month was 1.9 deg. higher than the first half. Maximum temperature was above 90 degs. on 16 days. The minimum temp. was above 70 degs. throughout. Highest max. 94.4 degs. on 16th and lowest min. 71.2 degs. on 2nd and 12th. The mean relative humidity was 2% below the 33-year normal, owing to rainfall deficiency, and to the continued prevalence of the south-east wind. The mean 7 a.m. humidity was 79% and the 3 p.m. 61%. Lowest 7 a.m. 68% on 24th, and lowest 3 p.m. 45% on 28th.

The sky was overcast in the early morning hours on 11 occasions, and in the afternoon on 17 occasions. Haze was observed frequently during the early morning and continued throughout many days, owing no doubt to the dry atmospheric conditions.

Total evaporation for the month was 9.16 inches, which is the highest on record for any month since April, 1924.

The mean number of daily sunshine hours was 7.9.

J. F. BRENNAN,
Government Meteorologist.

Kingston, August 20, 1928.



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
AUGUST, 1928.

The Bar. pressures at all the Stations, except the Hill Gardens, are reduced to the standards of New, 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 four-cup instruments used and for the small velocities measured.

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

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.
The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					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 Point Light House	8	29.966	29.941	82.4	85.0	86.5	77.4	9.1	88.5	8	72.2	14	16.3
Kingston	24	29.946	29.909	75.2	85.1	87.9	72.6	15.3	92.6	2	68.4	21	24.2
Negril Point Light House	33	29.953	29.927	77.2	84.9	88.7	73.1	15.6	93.0	14	70.1	14	22.9
Castleton Gardens	496			70.4	81.3	87.8	69.2	18.6	94.0	2	65.0	21	29.0
Hope Gardens†	668	29.976	29.916	71.9	80.9	86.9	70.1	16.8	97.0	31	65.0	20	32.0
Stony Hill Indus. School	1,400			68.0	78.1	79.6	67.8	11.8	83.0	8	67.0	1*	16.0
Hill Gardens	4,900	25.294	25.282	63.3	68.7	71.3	58.5	12.8	77.0	9	53.0	6	24.0

STATIONS.	Elevation.	Dewpoint 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.	L.	M.	U.	L.	M.	U.
	ft.	°	%	°	%	in.	Mls.	m.	m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	74	76	77	76	6.00	260	N.E. 13.0	E.N.E. 11.0	2.1	1.7	2.2	1.1	2.1	1.9
Kingston	24	72	86	75	72	12.57	168	N.N.E. 4.7	S.E. 13.0	1.3	0.8	2.2	4.7	1.8	0.6
Negril Point Light House	33	73	86	75	72	3.38	186	N.E. 7.4	Var.	9.7	0.6	0.0	5.0	1.5	0.2
Castleton Gardens	496	69	95	76	84	11.15	..	..	..	..	..	..	..	..	..
Hope Gardens	668	65	78	72	74	16.07	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	12.49	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	83	60	75	15.81	..	..	..	..	..	..	..	..	..

* And on other days.

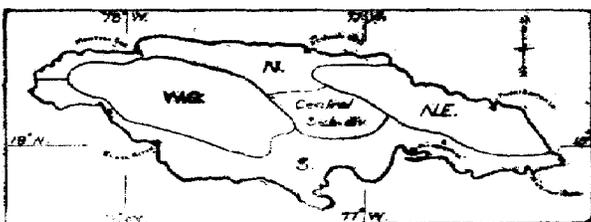
† Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.



August, 1928.

STATION.	Total Fall.		Greatest fell in 24 hours.		Days on which 0.01 or more fell.	Average.
	In.	In.	Amount.	Date.		
NORTH-EASTERN DIVISION, contd.						
Castleton Gardens	11.15	2.37	26	17	10.16	
Water Valley	10.63	3.20	14	9	4.29	
Albany	10.24	3.15	14	13	8.43	
Lawrence Tavern	9.25	2.87	14	13	6.78	
Platfield					5.13	
Richmond, St. Mary	9.70	1.85	23	13	3.76	
Quebec, St. Mary	12.98	5.10	14	12	10.24	
Zion Hill	13.03	4.20	16	11	4.16	
Carew Castle	13.91	3.34	15	20	16	
Hampstead, St. Mary	7.18	2.00	13	13	7	
Windsor Castle do	7.60	1.50	16	16	8	
Troja	6.98	2.00	14	7	7	
Pear Tree Grove	10.83	3.38	11	8	11	
Guy's Hill	7.04	2.00	14	7	11	
Lucky Hill	6.04	1.47	14	11	4.68	
Rio Hoe					6.00	
Unity Valley	10.30	2.20	8	14	6.70	
Moneague	8.65	3.01	15	11	6.66	
Claremont	6.08	1.62	12	9	5.17	
Averham Park	5.60	1.70	14	10	4.75	
Albion	5.50	1.46	14	10	6.16	
NORTHERN DIVISION (N).						
Port Maria	12.57	5.85	14	9	4.74	
Eden Park	8.89	4.00	14	12	...	
Oracabessa	9.20	3.44	14	10	...	
New Ramble	7.27	2.76	14	7	5.44	
Huddersfield	3.77	2.12	13	7	...	
Ocho Rios	2.49	0.98	14	6	2.07	
Bogue, Ocho Rios	2.85	1.35	14	5	4.23	
Drax Hall	2.40	0.85	14	17	3.61	
Rockfield	5.60	1.61	14	9	4.19	
Liberty Hill	4.22	2.05	15	8	3.20	
St. Ann's Bay	2.62	1.07	14	9	2.91	
Seville	2.74	1.06	14	4	3.62	
Richmond Estate	2.48	1.08	14	7	3.12	
Llandovery	2.70	1.25	14	7	2.73	
Runaway Bay	2.18	0.72	14	5	...	
Knapsdale	4.66	1.30	20	11	...	
Alexandria	4.73	1.20	27	7	...	
Brown's Town	4.65	1.11	23	10	4.27	
Watt Town, St. Ann	3.36	0.90	15	7	...	
Home Castle					3.56	
Richmond Pen	3.25	1.25	25	11	5.28	
Bryan Castle					2.80	
Braco					2.63	
Arcadia					3.42	
Vale Royal	3.28			7	4.33	
Harmony Hall					2.40	
Colchis Pen	6.65	1.45	26	12	5.16	
Duncans	3.10	1.00	12	8	...	
Clark's Town	2.28	0.55	14	7	...	
Cary Park					...	
Falmouth	1.45	0.58	15	6	2.61	
Cannaan	2.49	0.69	20	7	5.50	
Grange	2.15	0.80	11	4	...	
Success	2.70				2.13	

STATION.	August, 1928.					STATION.	August, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL <i>DIVISION, contd.</i>	In.	In.			In.
Rose Hall	3.45				2.05	Troy	12.87	2.00	5	12	10.73
Cinnamon Hill	3.95				2.24	Wallingford	18.24	4.65	22	20	10.30
Tryall	3.25				6.61	Balaclava	18.35	4.03	22	19	7.45
Running Gut	2.75				2.59	Appleton	14.31	2.18	22	18	
Spring Estate	2.95				2.70	Deeside	6.63	1.52	19	13	
Friendship	2.97	0.80	15	12		Maggotty	11.94	2.21	15	18	10.96
Retirement	4.34	1.12	19	13	6.24	Lacovia	8.87	2.75	26	13	
Belfield	2.80	1.15	19	7	3.68	Ipswich	10.95	2.00	15	18	
Montego Bay	2.87	0.65	11	9	5.36	Kempshot	3.65	1.02	5	9	8.34
Anchovy	1.93	0.40	19	14	8.16	Garlands	7.78	1.29	19	18	
Blue Hole	5.71	1.87	27	11		Mocho, St. James	11.73	1.55	15	24	
Kew	6.95	2.65	19	13	7.77	Bandon Pen	6.65	1.64	19	12	
Lucea	7.34	2.46	23	17	6.48	Springfield, St. Eliz.	15.78	2.50	11	20	
Haughton Court	7.91	2.55	19	15	6.71	Catadupa					13.84
Cousins Cove						Cambridge, St. Jas.	7.82	1.06	15	26	11.82
Green River	5.96	1.18	27	11		New Market	14.97	3.15	11	18	12.32
Green Island	8.67	2.45	19	15		Kew Park	15.82	3.00	3	22	11.99
Haughton Hall	8.77	2.65	16	19		Montpelier	9.46	1.88	29	11	
CENTRAL SUB- DIVISION.						The Bog	10.02	2.44	11	17	13.67
Knollis	14.97	2.75	11	20		Bethel Town Dist.	15.96	2.41	3	25	
Highgate	17.63	3.19	14	20		Burnt Ground	10.26	2.61	19	16	11.00
Rio Magno	11.63	2.90	14	13		Haughton Grove	15.59	2.65	1	23	11.44
Riversdale	9.14	2.70	14	15		Darliston	11.80	1.75	24	24	14.96
Headworks, R.C.C.	12.64	3.18	15	15	5.58	Knockalva	15.78	2.66	24	21	12.38
Berkshire Hall					6.70	Ramble					
Bog Walk	12.80	2.30	16	15		Bluefields					11.83
Linstead	9.49	1.82	15	21	8.62	Whithorn	10.64	1.83	25	20	11.65
Cave Valley	11.07	2.50	8	14	7.53	Water Works Pen	15.23	1.63	23	21	12.78
Point Hill	13.72	2.50	14	18	11.25	Askenish	13.35	2.45	18	13	
Bellas Gate	11.92	4.15	11	8		Grange Hill	13.67	2.72	18	22	12.31
Rock River	9.52	1.72	14	13		King's Vale	10.95	4.00	19	13	10.65
Crofts Hill	9.98	1.60	15	12	7.16	SOUTHERN DIVISION (S.)					
Suttons	9.13	1.74	15	12		Morant Point L.H.	6.00	1.41	15	16	5.25
Chapelton	9.57	2.55	14	12	6.66	Golden Grove	8.02	1.50	14	14	
Crooked River	9.03	1.83	15	20		Pleasant Hill	8.67	2.10	15	19	
Trout Hall	6.79	2.20	13	17	9.19	Phillipsfield	8.23	2.24	15	12	
James Hill	9.82	2.34	15	12		Bowden	6.60	1.32	14	12	
Frankfield	11.51	3.00	6	19		East Prospect	6.91	1.90	14	12	7.36
WEST-CENTRAL DIVISION (W.C.)						Morant Bay	8.64	2.59	14	17	6.52
Mocho, Clarendon	10.22	3.00	14	14	7.44	Aeolus Valley	17.80	6.00	14	11	
Clarendon Park						Yallahs	12.70	4.90	14	8	
Spaldings	11.25	1.62	5	19		Easington	14.95	4.40	14	17	7.02
Williamsfield	10.36	2.65	16	15		Norris					
Brokenhurst	12.94	5.95	14	14	8.24	Mavis Bank	16.21	6.23	11	9	
Shooters Hill	10.07	2.20	15	17	8.02	Bull Bay	5.27	3.50	14	7	2.78
Lowe River	8.72	2.00	15	10	8.78	Bellevue	21.75	7.17	14	11	6.50
Christiana	12.32	2.30	2	22	7.23	Gordon Town	11.97	5.03	14	15	5.29
Clifton Hill	13.73	3.30	15	14		Irish Town	11.15	3.35	14	14	6.81
Kendal, Manchester	12.11	2.37	15	20	7.75	Hope Gardens	16.07	6.40	14	18	5.78
Bleak House						Ivor	12.88	4.10	14	14	
Mereworth	17.80	4.25	14	11		Plumb Point L.H.	13.37	6.12	14	12	3.38
Mandeville	13.26	3.05	14	16	8.79	King's House Gar.	6.50	1.35	5	8	5.17
Ulster Spring	13.90	3.75	24	19	8.19	Upper Kingston	14.21	5.48	14	17	4.11
Marshalls' Pen	11.33	2.54	15	15	8.35	Kingston P.W.O.	12.57	4.55	14	14	3.55
Greenvale	6.54	1.40	5	15		Halfway Tree	10.90	4.88	14	17	3.89
Albert Town	14.43	2.50	24	14	8.84	Clifton Pen	13.32	5.00	14	13	4.06
Warsop	14.11	2.00	17	18							

STATION.	August, 1928.					STATION.	August, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		In.	In.					Date.	In.			In.	Date.
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Farm 1.						Great Valley, Man.	13.97	5.00	14	11	5.50
Quarantine Station	12.01	3.85	14	13	2.33	Alligator Pond	13.42	6.00	15	7	3.64
Cumberland Pen						Fairfield	10.71	3.48	15	13	6.24
Watson Grove						Lititz	7.17	3.74	15	8	5.43
Great Salt Pond						Myersville					
Hematine	10.44	3.76	14	14		Gilnock					
Spanish Town	12.20	3.18	14	12	3.93	Southfield, St. Eliz.	6.39	2.85	14	10	6.89
The Stewartry	11.45	2.95	15	13		Berkeley, St. Eliz.	10.36	2.03	14	20	6.37
Hog Hole, St. Cath.	12.36	3.17	15	13	4.28	Torrington	7.19	2.58	15	12	5.55
Hartlands	8.35	4.00	14	10	3.48	Santa Cruz	13.50	3.12	15	16	9.02
Amity Hall	8.77	3.17	14	12		Pedro Plains	3.19	1.12	15	9	2.88
Bushy Park	9.61	3.30	14	11		Mountainside	3.91	0.82	22	10	
Old Harbour	15.83	4.10	11	9	4.49	Fort Charles	4.30	1.16	14	9	
May Pen	10.96	2.96	14	11	5.05	Black River	5.26	1.16	9	11	6.32
Glen Muir	11.00	4.50	15	9		Font Hill	6.80	1.40	15	11	6.25
Dry River, Vere	13.04	6.10	14	7	3.81	Mount Edgecombe	4.80	0.92	14	16	8.29
Cottage	14.14	7.00	14	10		Sweet River	7.67	2.50	26	18	9.07
Belle Plain	8.68	2.70	14	11		Sav.-la-Mar	8.66	1.48	26	13	7.78
Milk River	10.72	5.48	14	6	4.41	Orchard	6.49	2.10	26	17	10.52
Retrieve	6.66	2.07	14	9		Little London	5.54	0.70	15	17	
Hog Hole, S. Man.	12.05	3.00	14	10		Retreat	7.25	1.51	25	16	8.58
Stone's Hope	17.93	5.04	14	13	6.36	Negril Point L.H.	3.38	0.74	27	17	7.02
Newport, Man.	16.25	4.10	14	15	6.98						

NOTES.

SHOCKS OF EARTHQUAKE IN AUGUST, 1928.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	August.			
	Rainfall.		Rainy Days.	
	1928.	Ave.	1928.	Ave.
	In.s.	In.s		
North-Eastern	13.81	7.47	14	11
Northern	5.32	4.85	12	9
West-Central	12.48	10.14	17	15
Southern	10.45	5.26	13	10
The Island means.	10.51	6.93	14	11

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
None reported			

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND.

The Mean Rainfall for the month was much above the average in all Divisions, particularly the North-Eastern and Southern Divisions, which had nearly double the average rainfall. This was due to the proximity of Tropical Weather Disturbances.

The greatest precipitation appears to have taken place between the 11th and the 15th, and particularly on the 14th, but the rainfall was generally well distributed, as the mean number of rainy days was 14 as compared with the average of 11. The greatest number of rainy days was 26 at Cambridge in the West-Central Division.

The greatest total fall for the month was 32.47 inches at Millbank in the North-Eastern Division, and the heaviest fall in 24 hours was 8.40 inches at Belvedere, in the same division, on the 14th.

High winds, accompanied by heavy rains and thunderstorms, were experienced in several parts of the Island, which caused some damage to cultivation and roads.

The Mean Rainfall for each Parish is given below:—

	Inches.		Inches.
Kingston	13.38	St. James	4.51
St. Andrew	12.81	Hanover	9.66
St. Thomas	13.11	Westmoreland	9.86
Portland	17.72	St. Elizabeth	10.08
St. Mary	10.29	Manchester	12.44
St. Ann	4.77	Clarendon	10.32
Trelawny	7.96	St. Catherine	11.55

CITY OF KINGSTON.

The total rainfall for Kingston for the month was 12.57 inches, with 14 rainy days. This phenomenal precipitation is the highest on record for the month of August for the past 49 years, and represents over 3½ times the 50-year normal of 3.55 inches. In the year 1879 the August rainfall is shewn as 13.83 inches, which is the greatest since the commencement of records in the year 1870.

The greatest fall in 24 hours was 4.55 inches on 14th, followed by 2.13 inches on 15th. Most of the rain fell between the 10th and 23rd when several Tropical Disturbances passed by. The rainfall for the Upper Boundary of Kingston was 14.21 inches with 17 rainy days.

Up to the month of August the aggregate rainfall amounts to 17.29 inches which brings it up to the normal. The preceding seven months were deficient. Light rain was observed on the nearby hills to north on 4th, 12th, 23rd, 26th, 28th and 29th. To north-east on 5th, 25th, 26th, 28th and 29th. To east on 3rd, and 26th. To south-east on 4th. To south on 4th and 25th. To south-west on 10th and to west on 22nd.

The mean of the daily miles of wind registered was 168, as against the 20-year normal of 196. Maximum miles of wind in one day was 241 on 2nd. Minimum 104 on 17th. The south-easterly wind was somewhat below the normal. Southeasterly rainsqualls on 14th and 19th, and a northwesterly rainsquall on 23rd.

Distant lightning was observed at nights to north on 6 occasions. NE on 3. South on 2, and to west on 3. Distant thunderstorms were noted to north on 4th, 5th, 12th, 23rd, 26th, 28th and 29th. To NE on 29th. To East on 3rd. Southeast on 4th, 11th, 12th, 14th, 15th and 19th. To south on 4th, 14th, 17th, 19th, 20th and 23rd. To Southwest on 10th. Sharp local thunderstorm on 11th.

The mean barometric pressure was 29.939 inches as against the 33-year normal of 29.929 inches. Highest barometer reading 30.009 inches on 6th at 3 p.m. Lowest 29.816 inches on 10th at 11 a.m. (correc. for diur. var.). Mean temperature, based upon four observations per day was 79.7 degrees: the normal being 81.0 degrees. The first half of the month was 0.8 degree higher than the second half. The maximum temperature was above 90 degrees on 7 days, and the minimum temperature was below 70 degrees on one day. Highest maximum 92.6 degrees on 2nd and lowest minimum 68.4 degrees on 21st. The mean relative humidity was 4% above the 33-year normal, attributable to the excess of rainfall. Mean 7 a.m. humidity was 86% and mean 3 p.m. 72%. Lowest 7 a.m. 69% on 2nd, and lowest 3 p.m. 54% on same date.

The sky was overcast in the early morning on 12 occasions and in the afternoon on 21 occasions. Haze was noted in the early morning on several days.

The total Evaporation for the month was 7.53 inches.

The mean number of daily sunshine hours was 6.9.

WEATHER DISTURBANCES, AUGUST, 1928.

During the month of August there were many Tropical Weather Disturbances occurring, of varying intensity, within barometric range of Jamaica.

From the Telegraphic Warnings issued by the United States Weather Bureau, and from local observations, the following may be accepted as the approximate tracks of these storms.

(1) On 5th August, a disturbance of considerable intensity was located in Lat. 22½ N, and Long. 74 degrees West, in the vicinity of Gt. Inagua. It coursed along a somewhat north-westerly direction arriving near to Jupiter, Florida (U.S.A.) on 8th, then crossing Florida into the Gulf, causing loss of life and damage to property. The nearest approach to Jamaica was about 400 miles to NNE.

(2) On the 7th August a Tropical disturbance of moderate intensity was located about Lat. 14 degrees N, and Long. 62 degrees West, in the vicinity of Martinique. It continued on a track to the south of San Domingo on 9th, and evidently did not further develop.

(3) On the 9th at 9 a.m. a disturbance of considerable intensity was developing at Lat. 15 degrees N, and Long. 69 degrees West, moving apparently WNW. This disturbance passed about 100 miles

to the south of Jamaica, continuing to move in a WNW direction, in the vicinity of the Cayman Islands. No damages reported. High northerly winds and heavy seas were observed at Morant Point on 10th.

(4) On 11th August, a disturbance of slight intensity was located central between Jamaica and central Cuba. It apparently moved in a westerly track in the vicinity of Cienfuegos, Cuba, on Sunday 12th. High SE wind of 30 miles per hour was observed on X.S.S. "Miraflores" to the south of Cienfuegos.

(5) On 15th August, a disturbance was reported between 75 and 100 miles south of Port au Prince, Haiti, moving west-northwesterly of moderate intensity. It apparently passed to the south of Jamaica decreasing in intensity. Very heavy rainfall was experienced in most parts of this Island. The rain-gauge at the Public Works Building, Kingston, registered 4.55 inches in 24 hours, and Upper Kingston registered 5.45 inches in the same time.

(6) On 17th August a Hurricane (or Tornado) developed in the vicinity of southern Haiti, and moved northerly over western Haiti causing great loss of life and property. It is estimated that about two hundred persons lost their lives in the stricken districts.

J. F. BRENNAN,
Government Meteorologist.

Kingston, September 20th, 1928.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

SEPTEMBER, 1928.

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 four-cup instruments used and for the small velocities measured.

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

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

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
Morant Point Light House	8	29.916	29.876	82.6	84.6	86.4	77.4	9.0	88.5	1	72.1	22	16.4
Kingston	24	29.894	29.847	75.7	84.7	87.8	73.4	14.4	90.2	23	69.2	4	21.0
Negril Point Light House	33	29.897	29.852	78.6	86.0	90.3	74.6	15.7	95.7	27	71.1	22	24.6
Castleton Gardens	496	..	..	71.6	80.8	87.4	70.7	16.7	92.0	15	67.0	4	25.0
Hope Gardens†	668	29.939	29.818	72.8	80.8	86.9	71.0	15.9	90.0	24*	68.0	3	22.0
Stony Hill Indus. School	1,400	..	..	68.0	78.1	79.4	67.6	11.8	82.0	20*	65.0	21*	17.0
Hill Gardens	4,900	25.257	25.230	63.9	68.0	70.4	58.8	11.6	75.0	13	55.0	3*	20.0

STATIONS.	Elevation.	Dewpoint 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.		7 a.m.		3 p.m.		
Morant Point Light House	8	76	81	76	77	6.86	207	NE	12.5	ENE	11.4	2.8	1.7	2.4	3.3	1.6	2.0
Kingston	24	72	88	75	73	3.12	184	NNE	4.7	SE	12.9	1.4	0.6	3.2	3.5	1.4	2.6
Negril Point Light House	33	73	83	75	70	2.11	238	ENE	8.3	SE	13.8	0.3	0.8	6.2	1.0	5.7	2.0
Castleton Gardens	496	71	95	76	86	11.82	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67	81	72	74	5.12	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	9.74
Hill Gardens	4,900	60	87	61	79	8.99

* And on other days.

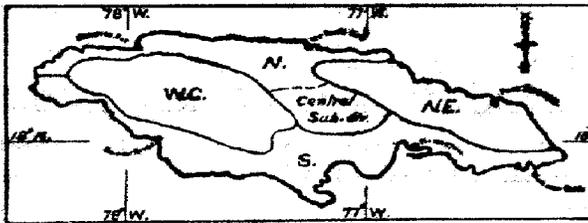
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A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition and of page 20 of 1923 Edition, an outline of which is given below.



September, 1928.

STATION.	Total Fall.		Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	In.	In.	Amount.	Date.		
NORTH-EASTERN DIVISION, contd.						
Agualta Vale	5.53	0.95	1	12	4.86	
Castleton Gardens	11.82	3.12	15	21	11.70	
Water Valley	5.65	1.75	13	14	4.91	
Albany	4.88	1.10	12	18		
Lawrence Tavern	10.83	1.97	15	13	9.76	
Platfield					7.85	
Richmond, St. Mary	7.54	1.70	1	14	5.75	
Quebec, St. Mary	4.57	2.00	1	13	3.48	
Zion Hill	14.02	3.79	8	10		
Carew Castle	13.01	3.05	7	15	11.35	
Hampstead, St. Mary	6.87	2.86	30	17	6.95	
Windsor Castle do	10.18	1.25	19	16		
Troja	7.76	1.05	1	15		
Pear Tree Grove	9.59	2.25	3	9		
Guy's Hill	8.79	1.72	1	9		
Lucky Hill	9.48	2.60	1	16	5.81	
Rio Hoe	8.55	2.50	30	9	6.17	
Unity Valley	7.94	2.37	10	14	8.16	
Moneague	10.37	2.21	30	14	7.33	
Claremont	8.57	2.35	30	10	6.03	
Averham Park	6.46	2.00	30	10	5.19	
Albion	6.97	1.52	30	14	7.24	
NORTHERN DIVISION (N).						
Port Maria	6.42	2.00	1	15	3.85	
Eden Park	5.31	1.80	1	17		
Oracabessa	3.24	0.90	1	8		
New Rambler	3.68	2.00	1	5	5.07	
Huddersfield	1.03	0.45	10	3		
Ocho Rios	3.69	1.05	2	8	3.63	
Bogue, Ocho Rios	4.23	1.80	19	4	4.26	
Drax Hall	4.55	1.75	19	12	3.84	
Rockfield	4.55	1.00	13	10	5.18	
Liberty Hill	3.20	1.45	18	8	4.13	
St. Ann's Bay	3.67	0.87	2	11	3.47	
Seville	2.05	0.10	18	6	3.64	
Richmond Estate	3.06	1.07	30	9	3.86	
Llandoverly	2.63	0.80	3	7	3.78	
Runaway Bay	1.58	0.56	2	5		
Knapdale	4.61	1.75	3	8		
Alexandria	3.04	0.80	2	9		
Bel-Air	3.30	0.80	2	9		
Brown's Town	7.39	2.65	2	12	5.26	
Watt Town, St. Ann	2.00	1.00	2	3		
Home Castle	7.90	5.50	2	6	4.64	
Richmond Pen	3.90	1.45	2	12	6.26	
Bryan Castle					3.57	
Braco					3.25	
Arcadia	3.40	1.27	30	6	4.37	
Vale Royal					4.68	
Harmony Hall	1.42	0.65	29	4	3.57	
Colchis Pen	7.91	1.70	30	17	5.25	
Duncans	2.26	0.90	30	8		
Clark's Town	5.65	1.60	26	9		
Carey Park						
Falmouth	2.39	0.54	29	13	3.36	
Canaan	2.80	0.71	3	6	7.94	
Grange	2.05	0.80	19	4		
Success	1.55				3.91	

STATION.	September, 1928.					STATION.	September, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.					In.	WEST-CENTRAL DIVISION, contd.					In.
Rose Hall	1.40				3.68	Troy	10.80	2.80	8	12	13.89
Cinnamon Hill	1.00				4.18	Wallingford	4.54	1.60	2	14	12.87
Tryall	1.25				6.29	Balaclava	5.33	1.85	2	9	11.01
Running Gut	0.85				3.99	Appleton	6.38	2.26	2	16	
Spring Estate	0.85				4.11	Deeside	4.70	1.40	26	10	
Friendship	5.30	1.73	5	12		Maggotty	5.84	1.27	2	16	11.99
Retirement	5.94	1.52	19	14	10.20	Lacovia	4.97	1.21	22	7	
Belfield	6.34	1.74	5	11	5.52	Ipswich	7.77	1.50	28	16	
Montego Bay	4.46	0.87	5	17	6.76	Kempshot	3.99	0.89	30	16	9.36
Anchovy	1.80	0.40	30	11		Garlands	7.70	1.14	21	18	
Blue Hole	6.39	2.85	8	14		Mocho, St. James	13.22	2.79	21	18	
Kew	8.85	2.20	30	16	8.14	Bandon Pen	8.19	1.90	8	13	
Lucea	7.78	1.27	30	18	8.02	Springfield, St. Eliz.	5.70	1.47	30	13	
Haughton Court	7.95	1.20	30	17	6.68	Catadupa					15.10
Cousins Cove	10.36	2.00	29	12		Cambridge, St. Jas.	7.86	1.17	28	18	12.52
Green River	7.67	2.00	20	12		New Market	6.67	1.27	29	13	10.57
Green Island	5.71	1.35	8	12		Kew Park	12.06	3.10	21	13	12.40
Haughton Hall	4.64	1.00	21	16		Montpelier	7.25	1.91	29	12	
CENTRAL SUB-DIVISION.						The Bog	6.12	0.97	22	21	14.01
Knollis	10.90	3.20	21	16		Bethel Town Dist.	11.66	3.37	21	14	
Highgate	8.27	2.21	26	17		Burnt Ground	9.00	1.72	9	13	12.65
Rio Magno	10.20	1.80	15	18		Haughton Grove	8.70	1.84	9	16	12.43
Riversdale	11.54	2.11	10	14		Darliston	6.57	1.50	28	14	14.58
Headworks, R.C.C.	3.73	1.97	2	8	6.49	Knockalva	9.03	2.05	28	15	13.32
Berkshire Hall					6.66	Ramble					
Bog Walk	7.70	2.30	21	13		Bluefields					10.47
Linstead	7.02	1.72	15	19	8.02	Whithorn	6.23	1.25	28	18	11.30
Cave Valley					7.79	Water Works Pen	10.36	2.55	28	17	11.00
Granaboa Vale	3.82	0.56	3	11		Askensish	7.93	1.76	12	10	
Point Hill	8.30	1.84	21	17	12.07	Grange Hill	5.00	0.95	12	18	11.89
Bellas Gate	3.37	0.75	1	8		King's Vale	9.01	1.65	28	14	11.22
Rock River	4.38	0.75	3	14		SOUTHERN DIVISION (S.)					
Crofts Hill	7.88	1.50	27	11	8.91	Morant Point L.H.	6.86	1.71	11	21	7.02
Suttons	5.16	1.20	15	9		Golden Grove	13.72	5.13	2	20	
Chapelton	7.65	2.00	15	8	8.00	Pleasant Hill	14.66	5.00	2	25	
Crooked River	7.05	2.70	2	14		Phillipsfield	13.50	4.65	2	24	
Trout Hall	8.11	2.80	2	12	11.58	Bowden	12.50	3.03	2	22	
James Hill	9.04	2.60	2	12		East Prospect	11.50	2.06	2	22	8.14
Frankfield	6.48	1.75	2	12		Morant Bay	8.87	1.57	30	22	8.27
WEST-CENTRAL DIVISION (W.C.)						Aeolus Valley	12.90	2.00	3	22	
Mocho, Clarendon	7.98	4.55	2	10	9.31	Yallahs	9.08	1.97	30	10	
Clarendon Park	10.44	4.50	2	14		Easington	9.11	2.75	2	21	8.59
Spaldings	5.45	1.87	2	15		Norris					
Williamsfield	9.75	3.82	2	15		Mavis Bank	7.77	2.73	2	10	
Brokenhurst	11.49	3.36	2	16	9.85	Bull Bay	3.20	2.50	3	3	4.74
Shooters Hill	8.63	2.08	2	16	9.54	Bellevue	7.59	2.25	2	14	8.85
Lowe River	3.15	1.72	19	5	12.00	Gordon Town	5.99	1.35	3	14	8.18
Christiana	4.72	1.37	23	12	9.82	Irish Town	5.33	1.22	3	13	8.76
Clifton Hill	13.45	5.33	2	10		Hope Gardens	5.12	1.80	2	15	7.05
Kendal, Manchester	8.26	2.41	2	14	9.98	Ivor	6.37	1.70	3	13	
Bleak House						Plumb Point L.H.	3.95	2.15	3	11	4.10
Mereworth	13.46	4.72	2	18		King's House Gar.	6.20	1.50	3	7	5.31
Mandeville	9.03	3.52	2	11	10.12	Upper Kingston	5.37	2.45	3	17	4.34
Ulster Spring	4.76	1.51	27	12	9.91	Kingston P.W.O.	3.12	1.77	3	11	4.03
Marshalls' Pen	6.15	2.89	2	12	9.42	Halfway Tree	5.15	1.90	3	11	4.81
Greenvale	2.81	1.20	28	8		Elsdene	5.63	2.10	3	15	
Albert Town	2.35	0.50	8	8	11.07	Clifton Pen	3.21	1.80	3	6	4.36
Warsop	4.54	0.96	14	14							

STATION.	September, 1928.					STATION.	September, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Farm I.						Great Valley, Man.	3.78	2.20	2	6	6.54
Quarantine Station	2.05	0.85	2	11	2.66	Alligator Pond	6.62	4.12	2	14	5.13
Cumberland Pen						Fairfield	5.22	1.69	2	19	8.22
Watson Grove						Lititz	5.10	1.85	2	12	5.10
Great Salt Pond						Myersville					
Hematine	2.20	0.82	2	8		Gilnock					
Spanish Town	2.54	0.84	2	7	5.13	Southfield, St. Eliz.	8.60	5.36	2	11	6.75
The Stewartry	3.60	2.37	2	8		Torrington	4.20	1.30	2	21	7.32
Hog Hole, St. Cath.	2.95	1.69	2	8	6.04	Santa Cruz	5.33	2.00	2	12	6.52
Hartlands	2.78	0.80	2	7	4.79	Pedro Plains	2.99	0.65	15	10	9.77
Amity Hall	2.50	0.60	3	10		Mountainside	6.05	3.72	2	11	4.11
Bushy Park	2.30	0.62	2	12		Fort Charles	5.50	2.00	2	9	
Old Harbour	7.50	1.25	1	9	6.25	Black River	5.53	2.97	2	11	
May Pen	7.60	3.45	2	10	6.99	Font Hill	5.97	2.88	2	13	5.47
Glen Muir	2.90	1.50	3	4		Mount Edgecombe	6.10	1.85	2	15	6.29
Dry River, Vere	10.26	3.05	2	12	5.60	Sweet River	5.03	1.03	14	16	8.28
Cottage	8.84	3.86	2	9		Sav.-la-Mar	7.19	3.10	28	13	7.87
Belle Plain	13.61	8.65	2	12		Orchard	3.72	1.00	22	11	7.09
Milk River	9.39	3.40	3	10	7.51	Little London	3.27	0.85	22	11	8.84
Retrieve	8.87	2.10	2	11		Retreat	3.39	1.26	6	10	
Hog Hole, S. Man.	11.44	2.10	3	9		Negril Point L.H.	2.52	0.77	10	11	7.99
Stone's Hope	8.55	2.66	2	14	8.37						
Newport, Man.	8.89	2.60	2	18	7.94						

NOTES.

SHOCKS OF EARTHQUAKE IN SEPTEMBER, 1928.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	September.			
	Rainfall.		Rainy Days.	
	1928.	Ave.	1928.	Ave.
	Ins.	Ins.		
North-Eastern	10.04	8.48	15	13
Northern	4.49	5.73	11	10
West-Central	7.17	11.02	14	16
Southern	5.64	6.40	13	11
The Island means.	6.84	7.91	13	13

Date. Standard Time (Approx.) Intensity. Notes: where, etc.

None reported

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND.

The Mean Rainfall was below the average in all the Divisions except the North-Eastern which has somewhat more than its average.

The greatest precipitation appears to have taken place at the beginning and at the end of the month, particularly on the 2nd and 30th. It was however well distributed as the mean number of rainy days was 13, which is equal to the 33-year average.

The greatest number of rainy days was 26 at Bath in the North-Eastern Division.

The greatest total fall was 25.58 ins. at Millbank in the North-Eastern Division, and the heaviest fall in 24 hours was 8.65 ins. at Belle Plain in the Southern Division on the 2nd.

The Mean Rainfall in each parish is given below:—

	Ins.		Ins.
Kingston	3.11	St. James	4.55
St. Andrew	7.45	Hanover	7.61
St. Thomas	12.66	Westmoreland	6.28
Portland	10.45	St. Elizabeth	5.70
St. Mary	5.93	Manchester	8.65
St. Ann	5.25	Clarendon	7.75
Trelawny	4.44	St. Catherine	6.94

The total Rainfall for the 9 months ended 30th September, is tabulated below and shews a deficiency of 10.72 ins. as compared with the 50-year average. It will be observed that only in the month of August was the average exceeded.

	1928.		50-Year Average.
	Ins.		Ins.
January	2.20	..	4.10
February	1.14	..	3.06
March	1.69	..	3.42
April	3.89	..	5.03
May	7.97	..	9.12
June	3.69	..	7.18
July	3.00	..	4.90
August	10.51	..	6.93
September	6.84	..	7.91
Total	40.93		51.65

CITY OF KINGSTON.

The rainfall for September, was about three-quarters that of the 50-year normal, for it gauged 3.12 inches as against the normal of 4.03 inches. There were eleven rainy days as against the 47-year average of 10. Precipitation was not fairly well distributed during the month. There was, up to the 20th, 3.08 inches whereas from 21st to 30th only 0.04 inch was registered. The greatest fall in 24 hours was 1.77 inch on 3rd. Rain was observed on the nearby hills to North on 1st, 2nd, 8th, 10th, 18th, 20th, 22nd, 23rd, 25th, 26th, 27th and 28th. To NE on 1st, 2nd, 7th, 11th and 15th. To SE on 5th and 10th. To south on 2nd and 11th. To NW on 9th, 10th, 21st, 27th and 29th. The aggregate rainfall for the past nine months shews 20.41 inches, as against the aggregate normal of 21.51 inches. The total rainfall for the Upper Boundary of Kingston was 5.37 inches with 17 rainy days.

The mean of the daily miles of wind registered was 184 as against the 20-year normal of 166, shewing an excess of about 11%. Maximum number of miles of wind in one day was 349 on 19th and minimum 97 on 1st. The prevailing SE wind was slightly in excess of the normal, and commenced early on four mornings, and at other times continued late into the evenings upon 11 occasions. There were SE rain-squalls on 19th and 20th, and a SE gale of 50 miles per hour, of short duration, blew at 12.40 p.m. on 3rd.

Distant lightning was observed at nights to north on one occasion. To NE on 2. To east on one. To ESE on 2. To NW on 7. Distant thunderstorms to north on 1st, 2nd, 3rd, 8th, 10th, 11th, 18th, 21st, 22nd, 25th, 26th and 28th. To NE on 19th and 26th. To East on 1st, 7th, 9th, 10th, 15th and 19th. To south on 22nd. and to NW on 27th and 29th. Local thunderstorms on 1st 2nd and 19th.

The mean barometric pressure was 29.882 inches, as against the 33-year normal of 29.889 inches. Highest barometer reading 29.958 inches, on 20th at 3 p.m. Lowest 29.724 inches. on 15th at 7 a.m. (correc. for diur. var.). Mean temperature, based upon four observations per day was 79.9 degrees: the 33-year normal being 80.6 degrees. But the first half of the month was 0.7 degree lower than the second half. The maximum temperature was 90 degrees and above on four days. Minimum temperature was below 70 degrees on one day. Highest maximum 90.2 degrees on 28th, and lowest minimum 69.2 degrees on 4th. The mean relative humidity was 2% above the 33-year average. The mean 7 a.m. was 88%, and mean 3 p.m. 73%. Lowest 7 a.m. 76% on 4th, and lowest 3 p.m. 57% on 21st.

The sky was overcast in the early mornings on 14 occasions, and in the afternoons on 23.

Total evaporation for the month was 4.82 inches.

The mean number of daily sunshine hours was 7.0.

WEATHER DISTURBANCES.

A weather disturbance developed a short distance to the west of Port-au-Prince, Haiti, on 2nd, and continued on a track between Jamaica and Cuba on 3rd, arriving near to Yucatan on the 5th. No reports of serious damages received.

On the 11th September, in the forenoon, the United States Weather Bureau issued a Cable warning that on the previous night (Monday) "a Tropical Disturbance was central about Latitude 15 degrees N. and Longitude 50 degrees West, moving West-north-westward." This was in locality, in the Ocean, about 800 miles to eastward of the Island of Dominica. Regular daily notices were received defining the progress of this storm. It appears that this storm continued on a track between Guadeloupe and St. Kitts, through the Island of Porto Rico, then off north-east coast San Domingo onward to near south of Turks Island following a north-westerly direction, passing south of Nassau and proceeding further into southern Florida (U.S.A.), continuing inland until it decreased in intensity as it recurved into the Atlantic Ocean in a north-easterly direction.

This Hurricane was one of the most disastrous type known in the West Indies. The wind velocity is reported to have ranged from 120 to 150 miles per hour at several of the stricken places along its path. Great loss of life and property was inflicted. Many of the Leeward Islands, Porto Rico, Turks Island, Nassau and Florida State suffered more or less from the havoc wrought by this extensive hurricane.

This Hurricane passed nearest about 425 miles to the NE of Jamaica in the forenoon of 15th, for at 7 a.m. of 15th September, the Kingston lowest barometric pressure was recorded, giving 29.724 inches (correc. for diur. var.). The barometer then continued to rise from that hour as the storm continued in a north-westerly direction towards Florida.

The Jamaica Rainfall was not appreciably affected during the period of the passing by of this storm from 12th to 17th, and it was not until about 29th and 30th that about thirty Stations gauged the greatest fall in 24 hours, ranging from 4.40 inches and less.

J. F. BRENNAN,
Government Meteorologist.

Kingston, October 22nd, 1928.

No. 617.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

OCTOBER, 1928.

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 four-cup instruments used and for the small velocities measured.

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

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

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					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 Point Light House	8	29.921	29.828	81.4	83.4	85.2	75.7	9.5	86.9	21	69.0	8	17.9
Kingston	24	29.902	29.884	73.9	84.6	87.7	72.1	15.6	90.9	10	69.3	5	21.6
Negril Point Light House	33	29.909	29.859	76.8	84.3	88.6	73.3	15.3	92.6	9	71.0	30	21.6
Castleton Gardens	496	..	..	70.3	79.8	86.1	69.3	16.8	90.0	11	66.0	19*	24.0
Hope Gardens†	668	29.938	29.849	70.4	80.9	85.2	70.9	14.3	90.0	9	67.0	7	23.0
Stony Hill Indus. School	1,400	..	..	68.0	78.1	79.4	67.9	11.5	82.0	7*	67.0	5*	15.0
Hill Gardens	4,900	25.261	25.226	63.5	65.6	69.1	57.5	11.6	72.0	9	56.0	30	16.0

STATIONS.	Elevation.	Dewpoint 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.	7 a.m.		3 p.m.			
	ft.	°	%	°	%	in.	Mls.	m.	m.	L.	M.	U.	L.	M.	U.		
Morant Point Light House	8	75	82	75	78	16.18	235	NE	11.0	NE	10.0	2.2	1.9	2.3	1.9	2.2	2.1
Kingston	24	70	88	74	71	5.57	156	N	4.7	SE	11.5	2.1	0.5	2.7	3.5	2.6	2.8
Negril Point Light House	33	72	84	75	74	4.98	186	NE	7.3	NE	9.0	1.3	0.7	4.9	1.8	5.7	0.5
Castleton Gardens	496	69	95	76	89	13.37	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63	77	72	74	5.20	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	9.77	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	61	89	63	90	10.00	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

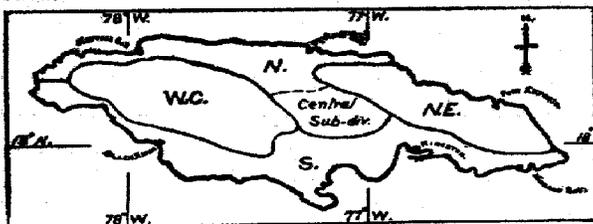
† Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.



October, 1928.

STATION.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Agualta Vale	14.47	6.06	30	16	6.17
Castleton Gardens	13.37	2.60	26	14	14.65
Water Valley	10.44	2.74	30	16	7.72
Albany	8.93	1.72	30	17	..
Lawrence Tavern	10.04	1.73	26	12	12.28
Richmond, St. Mary	8.61	2.09	27	18	8.73
Quebec, St. Mary	9.77	3.06	27	13	10.37
Zion Hill	7.33	3.50	8	9	..
Carew Castle	10.05	1.88	15	15	12.51
Hampstead, St. Mary	8.70	2.00	27	17	9.27
Windsor Castle do	6.60	1.50	27	13	..
Troja	8.52	2.85	28	12	..
Pear Tree Grove	8.60	3.25	27	10	..
Guy's Hill	5.57	2.10	27	7	..
Lucky Hill	6.55	1.91	27	16	8.90
Rio Hoe	5.98	2.23	27	10	9.08
Unity Valley	7.97	2.33	27	18	9.22
Moneague	8.85	1.70	27	14	9.39
Claremont	10.60	3.75	27	11	8.63
Averham Park	12.37	3.25	27	13	11.51
Albion	8.40	2.95	27	22	8.95
NORTHERN DIVISION (N).					
Port Maria	14.78	5.60	27	14	8.79
Eden Park	15.27	5.70	27	21	..
Oracabessa	11.60	4.25	27	10	..
New Ramble	13.01	4.85	25	12	7.59
Huddersfield	11.39	3.25	25	8	..
Ocho Rios	9.21	1.62	24	13	5.82
Bogue, Ocho Rios	8.64	2.00	25	9	6.62
Drax Hall	8.15	1.63	28	14	7.20
Rockfield	9.44	2.04	27	17	..
Liberty Hill	3.24	1.53	28	11	6.57
St. Ann's Bay	6.80	1.40	28	18	6.93
Seville	4.41	1.55	27	11	6.95
Richmond Estate	5.43	1.35	27	21	7.49
Llandovery	5.88	1.50	28	14	7.14
Runaway Bay	3.73	1.38	27	8	..
Knapdale	10.86	2.24	19	18	..
Alexandria	6.41	2.42	27	11	..
Bell-Air	4.15	1.30	27	12	..
Brown's Town	7.85	2.10	27	19	8.58
Watt Town, St. Ann	7.28	2.00	27	10	..
Home Castle	5.42	1.50	28	11	6.77
Richmond Pen	4.65	1.05	27	17	7.92
Bryan Castle	3.70	1.00	28	12	5.64
Braço	3.75	0.85	27	13	5.25
Arcadia	4.67	1.03	27	11	6.24
Vale Royal	3.91	1.28	27	9	6.50
Harmony Hall	4.00	0.87	28	12	5.30
Colchis Pen	7.42	2.15	27	15	7.58
Duncans	3.25	0.93	28	7	..
Clark's Town	6.00	1.65	27	11	..
Carey Park	3.41	1.04	27	12	..
Falmouth	3.74	1.27	27	12	5.42
Canaan	6.59	1.65	1	12	8.84
Grange	3.30	0.95	29	5	..
Success	2.45	..	..	..	6.10

NORTH-EASTERN DIVISION. (N.E.)

STATION.	Total Fall.	Greatest fall in 24 hours.	Days on which 0.01 or more fell.	Average.
	In.	In.		In.
Manchioneal	17.21	2.63	28	17.28
Priestman's River	19.77	2.60	27	..
Fairy Hill	16.23	3.50	27	19
Bath	14.85	2.45	2	16.97
Millbank	27.48	4.91	26	25
Moore Town	25.61	6.00	26	19.92
Port Antonio	20.27	4.95	27	15.19
Passley Garden	22.55	8.30	27	28
Fellowship	20.69	5.93	27	17.63
Johnson River Br.	8.24	2.00	2	13.76
Trinity Ville	10.02	1.70	14	15
Shrewsbury	23.95	4.80	26	13.35
Hope Bay	11.62	4.86	27	24
Cedar Valley	8.72	1.85	13	14.30
Moy Hall	7.87	1.47	29	14
Paradise	21.57	5.00	28	18
Lennox	13.43	4.90	27	20
Greenvale	15.40	6.03	27	11.60
Spring Garden	11.70	4.00	27	7.73
Hill Gardens	10.00	3.11	26	17.20
Buff Bay	13.36	4.00	27	10.15
Orange Vale	16.73	5.22	27	18
Belvedere, Portland	18.60	4.00	27	17
Windsor Castle do	9.60	4.19	28	8.63
Balcarras	21.92	6.98	26	17
Mt. Holstein	19.41	10.80	26	11.93
Cedar Hurst	12.55	6.85	26	15
Hardware Gap	11.86	2.82	26	13
Rose Hill	8.94	2.06	26	16.32
Hermitage	7.07	1.10	20	23
Stony Hill Ind. Schl.	9.77	2.66	29	14.59
Iter Boreale	10.41	2.84	7	18
Enfield	15.97	4.20	26	19

STATION.	October, 1928.					STATION.	October, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL <i>DIVISION, contd.</i>	In.	In.			In.
Rose Hall ..	2.80	..	..	..	6.31	Troy ..	10.99	1.20	7	12	15.91
Cinnamon Hill ..	2.40	..	..	..	6.72	Wallingford ..	15.73	3.08	12	22	13.18
Tryall ..	3.10	..	..	..	6.00	Balaclava ..	12.82	1.90	12	19	12.73
Running Gut ..	2.60	..	..	..	5.44	Appleton ..	18.23	3.67	12	20	..
Spring Estate ..	2.65	..	..	..	6.64	Deeside ..	7.52	1.25	27	12	..
Friendship ..	7.46	1.70	31	14	..	Maggotty ..	11.68	2.15	12	18	14.07
Retirement ..	6.91	1.51	7	15	8.88	Lacovia ..	8.90	2.00	6	19	..
Belfield ..	7.47	2.89	31	15	8.15	Ipswich ..	11.46	1.83	20	17	..
Montego Bay ..	4.52	0.94	31	17	7.65	Kempshot ..	5.87	1.25	31	16	9.44
Anchovy ..	1.78	0.20	8	17	8.14	Garlands ..	13.48	2.50	16	18	..
Bamboo-Hanover ..	6.30	1.23	14	11	..	Mocho, St. James ..	14.85	2.10	4	20	..
Blue Hole ..	6.16	1.67	10	13	..	Bandon Pen ..	6.76	1.23	7	15	..
Kew ..	6.15	2.25	14	11	7.80	Springfield, St. Eliz.	11.72	1.74	20	18	..
Lucea ..	4.89	1.44	14	15	8.08	Catadupa ..	9.13	1.42	4	17	13.99
Haughton Court ..	6.30	2.35	14	16	6.85	Cambridge, St. Jas.	8.08	1.11	7	20	12.51
Cousins Cove ..	10.00	4.94	14	11	..	New Market ..	16.42	2.23	7	20	11.36
Green River ..	12.82	2.40	1	16	..	Kew Park ..	9.25	1.57	5	18	11.91
Green Island ..	7.40	1.70	14	15	..	Montpelier ..	8.43	1.47	8	14	..
Haughton Hall ..	6.81	2.22	14	16	..	The Bog ..	17.07	3.29	20	26	11.91
CENTRAL SUB- DIVISION.						Bethel Town Dist.	16.13	3.20	6	..	..
Knollis ..	7.05	1.80	4	16	..	Burnt Ground ..	12.34	1.15	25	26	11.16
Highgate ..	12.05	2.82	4	18	..	Haughton Grove ..	7.70	1.51	17	19	11.56
Rio Magno ..	10.81	3.05	27	16	..	Darliston ..	5.90	1.01	11	17	15.19
Riversdale ..	8.91	1.70	27	13	..	Knoekalva ..	10.27	1.81	19	21	12.26
Headworks, R.C.C.	5.72	1.57	5	11	9.20	Ramble ..	10.53	1.86	19	20	..
Bog Walk ..	9.30	1.50	16	14	..	Bluefields ..	..	..	..	..	11.45
Linstead ..	3.82	1.12	27	15	9.98	Whithorn ..	9.43	1.58	20	16	12.54
Cave Valley ..	9.58	1.80	13	13	9.81	Water Works Pen ..	10.67	1.70	30	21	10.18
Guanaboa Vale ..	9.06	1.65	29	10	..	Askenish ..	11.64	2.05	2	18	..
Point Hill ..	8.71	2.50	13	16	15.59	Grange Hill ..	13.62	2.40	4	19	12.71
Bellas Gate ..	10.83	3.55	13	8	..	King's Vale ..	5.59	1.15	6	12	9.79
Rock River ..	7.93	2.05	20	11	..	SOUTHERN DIVISION (S.)					
Crofts Hill ..	7.84	1.50	13	11	10.06	Morant Point L.H.	16.18	4.36	7	21	11.66
Suttons ..	7.38	1.51	13	14	..	Golden Grove ..	15.86	4.07	7	12	..
Chapelton ..	7.13	2.11	15	13	12.15	Pleasant Hill ..	14.58	4.60	28	22	..
Crooked River ..	11.69	2.01	29	19	..	Phillipsfield ..	..	..	..	..	..
Trout Hall ..	10.15	1.81	13	20	11.86	Bowden ..	10.51	2.25	28	20	..
James Hill ..	8.16	2.11	13	12	..	East Prospect ..	10.84	1.45	28	18	12.58
Frankfield ..	8.15	1.83	24	15	..	Morant Bay ..	6.81	1.11	2	18	12.84
WEST-CENTRAL DIVISION (W.C.)						Petersfield ..	19.25	3.00	1	17	..
Mocho, Clarendon ..	8.00	2.75	13	14	13.43	Aeolus Valley ..	6.40	1.00	1	15	..
Clarendon Park ..	9.16	3.06	29	13	..	Yallahs ..	2.49	1.03	12	5	..
Spaldings ..	5.29	1.32	29	19	..	Easington ..	3.98	0.93	14	14	12.55
Williamsfield ..	8.35	2.02	29	17	..	Norris ..	4.04	1.00	16	6	..
Brokenhurst ..	7.63	1.87	13	14	14.12	Mavis Bank ..	6.24	1.33	27	19	..
Shooters Hill ..	6.14	1.59	29	14	12.21	Bull Bay ..	1.37	1.74	4	7	8.24
Lowe River ..	13.80	2.21	24	14	13.47	Bellevue ..	..	..	..	..	10.39
Christiana ..	6.51	2.34	5	13	11.47	Gordon Town ..	5.10	1.23	27	19	13.00
Clifton Hill ..	8.57	1.50	23	15	..	Irish Town ..	4.68	1.00	28	11	10.87
Kendal, Manchester	6.88	1.70	29	16	14.08	Hope Gardens ..	5.20	1.64	4	20	9.74
Mereworth ..	9.36	2.47	13	12	..	Ivor ..	4.66	0.96	23	11	..
Mandeville ..	7.58	1.98	12	11	15.23	Plumb Point L.H.	3.87	1.56	13	9	7.21
Ulster Spring ..	8.26	1.74	27	17	11.67	King's House Gar.	4.50	1.00	5	7	9.07
Marshalls' Pen ..	4.81	0.85	20	12	12.25	Upper Kingston ..	7.75	3.57	4	9	6.22
Greenvale ..	5.03	1.30	12	15	..	Kingston P.W.O.	5.57	2.18	4	8	7.46
Albert Town ..	6.00	1.00	4	12	13.08	Halfway Tree ..	3.60	0.86	3	13	8.56
Warsop ..	9.27	1.48	7	18	..	Elsdene ..	2.84	0.70	27	13	..
						Clifton Pen ..	4.06	1.74	4	7	7.23

STATION.	October, 1928.					STATION.	October, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	Ip.	In.			In.
Quarantine Station	2.63	0.74	13	7	5.15	Great Valley, Man.	4.73	2.14	12	8	10.67
Hematine	5.52	1.74	22	12	..	Alligator Pond	5.90	3.30	11	7	7.64
Spanish Town	4.65	1.92	22	9	8.79	Fairfield	8.39	2.74	24	18	10.62
The Stewartry	6.33	1.76	24	8	..	Lititz	4.82	1.48	11	11	5.89
Hog Hole, St. Cath.	4.56	1.22	24	13	9.33	Myersville	..	..	..	..	..
Hartlands	6.68	2.70	13	7	7.57	Gilnock	13.54	3.00	12	16	..
Amity Hall	6.76	2.40	13	10	..	Southfield, St. Eliz.	6.02	0.99	12	11	6.24
Bushy Park	6.36	2.16	13	10	..	Bethlehem, St. Eliz.	8.34	2.62	25	16	11.41
Old Harbour	6.85	3.00	13	10	10.18	Torrington	9.59	3.53	25	16	10.57
May Pen	4.94	2.55	13	11	10.61	Santa Cruz	11.73	1.74	25	17	12.21
Glen Muir	5.00	3.00	13	2	..	Pedro Plains	7.65	3.06	25	7	5.37
Dry River, Vere	..	..	..	..	9.00	Mountainside	7.22	3.00	25	10	..
Cottage	4.26	1.68	13	6	..	Fort Charles	8.45	2.24	25	10	..
Belle Plain	6.48	2.37	13	10	..	Black River	7.47	1.88	12	18	8.38
Milk River	4.71	1.70	13	5	8.55	Font Hill	8.45	1.80	22	13	8.78
Retrieve	8.92	2.13	29	13	..	Mount Edgewcombe	8.71	1.97	20	21	9.84
Hog Hole, S. Man.	8.70	2.35	13	10	..	Sweet River	9.34	1.62	17	15	9.64
Stone's Hope	5.60	1.31	29	11	12.43	Sav.-la-Mar	10.08	1.73	30	21	8.54
Newport, Man.	5.73	1.60	29	17	12.04	Orchard	7.48	1.38	16	18	6.80
						Little London	6.22	0.87	10	16	..
						Retreat	8.20	1.43	30	15	10.07
						Negril Point L.H.	4.98	0.80	12	20	8.11

NOTES.

SHOCKS OF EARTHQUAKE IN OCTOBER, 1928.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	October.			
	Rainfall.		Rainy Days.	
	1928.	Ave.	1928.	Ave.
	Ins.	Ins.		
North-Eastern	12.37	12.34	17	15
Northern	5.91	7.46	13	12
West-Central	9.58	12.19	17	17
Southern	6.54	9.56	13	13
The Island means.	8.60	10.39	15	14

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
None reported			

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND.

The mean rainfall for the month was only about 80% of the average. The North-eastern division was up to average but all the others were deficient.

The heaviest rains appear to have fallen during the last week of the month, particularly on the 27th, but the rainfall was generally well distributed, as the mean number of rainy days was 15, which is one more than the average.

The greatest number of rainy days was 26 at Passley Garden and Fellowship in the North-eastern division, and at Bog and Burnt Ground in the West-central division.

The greatest total fall was 27.48 ins. at Millbank in the North-eastern division and the heaviest fall in 24 hours was 10.80 ins. at Mount Holstein in the same division on the 26th.

The mean rainfall in each parish is shewn below:—

		Ins.			Ins.
Kingston	...	5.73	St. James	..	6.03
St. Andrew	...	6.25	Hanover	..	8.52
St. Thomas	...	10.04	Westmoreland	..	9.51
Portland	..	18.08	St. Elizabeth	..	10.54
St. Mary	..	11.24	Manchester	..	7.11
St. Ann	...	7.30	Clarendon	..	7.27
Trelawny	..	6.23	St. Catherine	..	7.36

CITY OF KINGSTON.

The total rainfall for the month of October gauged 5.57 ins., as compared with the normal of 7.46 ins. This represents three-quarters of the 50-year normal. There were 8 rainy days as against the 47-year average of 12. The greatest fall in 24 hours was 2.18 ins. on 4th. Rain was observed on the nearby hills to north on 5th and 26th; to NE on 6th, 18th, 19th, 24th, 26th and 27th; to East on 19th, 26th and 28th; to SE on 12th; to south on 1st and 12th; to west on 4th; to NW on 20th and 21st. The rainfall for the Upper Boundary of Kingston was 7.75 ins., with 9 rainy days.

The mean of the daily miles of wind registered was 156 as against the 20-year normal of 154. Maximum number of miles of wind in one day was 302 on 13th. Minimum 112 on 5th. There was a SE rainfall on 13th. South-east wind commenced early on 1st and 13th and continued late into the evening of 10th.

Distant lightning at nights to NE on 7 occasions. To ESE on two. Distant thunderstorms observed to north on 4th, 5th, 7th, 11th, 12th, 26th, 27th and 28th; to NE on 6th, 7th, 24th, 26th and 28th (very marked on 26th); to ESE on 7th and 9th; to SE on 11th, 13th and 16th; to ESE on 2nd and 13th; to West on 7th and to NW on 20th, 21st and 28th. Local thunderstorm on 4th and 26th. Sharp local thunderstorm on 27th.

The mean barometric pressure was 29.885 ins., the 33-year normal being 29.866 ins. Highest barometer reading 29.940 ins. on 2nd at 3 p.m. and lowest 29.804 ins. on 29th at 3 p.m. (correc. for diur. var.). Mean temperature, based upon four observations per day was 79.1 degs., the 33-year normal being 79.4 degs.; but the first half of the month was 0.2 deg. lower than the second half. Maximum temp. was above 90 degs. on 4 days. Minimum temp. below 70 degs. on 4 days. Highest maximum temp. 90.9 degs. on 10th and 26th and lowest minimum 69.3 degs. on 5th.

The mean relative humidity was 1% below the 33-year normal. Mean 7 a.m. 88% and mean 3 p.m. 71%. Lowest 7 a.m. 82% on 9th and lowest 3 p.m. 61% on 10th.

The sky was overcast in the early morning on 15 occasions and in the afternoon on 23.

Total evaporation for the month was 3.86 ins.

Mean number of daily sunshine hours 6.8

TROPICAL DISTURBANCES.

There were no tropical disturbances of note observed during October in the Caribbean, beyond a heavy gale and disturbed weather conditions to north of Swan Island on 31st, with no further development.

J. F. BRENNAN,
Government Meteorologist.

Kingston, November 19, 1928.



JAMAICA
WEATHER REPORT.
 FOR THE MONTH OF
 NOVEMBER, 1928.

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 four-cup instruments used and for the small velocities measured.

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

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

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.					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 Point Light House	8	29.940	29.903	79.6	82.4	83.6	75.0	8.6	85.7	8	69.0	11	16.7
Kingston	24	29.913	29.861	73.0	84.3	86.5	71.9	14.6	89.1	12	70.2	4	18.9
Negril Point Light House	33	29.931	29.879	75.8	84.1	87.3	73.5	13.8	91.5	5*	69.4	21	22.1
Castleton Gardens	496			70.6	78.2	82.3	69.8	12.5	89.0	5*	63.0	13*	26.0
Hope Gardens†	668	29.958	29.876	69.0	80.3	83.9	71.6	12.3	88.0	9	67.0	1	21.0
Stony Hill Indus. School	1,400			68.2	78.3	79.3	67.8	11.5	81.0	2*	67.0	3*	14.0
Hill Gardens	4,900	25.242	25.220	62.5	64.1	68.1	56.3	11.8	70.0	10*	54.0	15	16.0

STATIONS.	Elevation.	Dewpoint 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 Point Light House	8	74	82	74	77	2.03	486	NNE	18.0	NNE	19.0	3.4	2.4	0.9	2.2	1.8	1.3
Kingston	24	70	90	73	70	2.83	130	NNE	4.3	SE	8.8	1.0	1.2	2.2	4.6	2.1	1.1
Negril Point Light House	33	70	83	72	68	1.44	259	NNE	10.1	NE	11.3	2.1	0.3	4.5	2.8	2.5	2.0
Castleton Gardens	496	69	94	74	89	31.67	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63	82	70	71	7.63	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	8.82	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	59	90	62	92	23.81	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

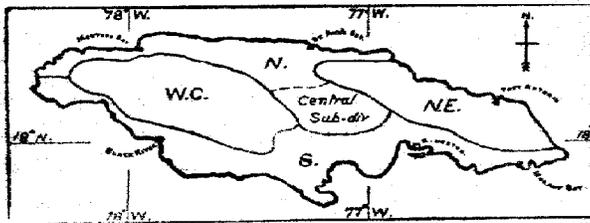
† Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.



November, 1928.

STATION.	Total Fall.		Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Amount.	Date.	Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)						
Manehioneal	1.97	1.02	30	2	15.25	
Priestman's River	4.20	1.30	6	14	..	
Fairy Hill	3.32	1.50	8	10	..	
Bath	8.65	2.56	15	18	15.19	
Millbank	46.34	6.03	15	25	..	
Moore Town	41.25	7.60	22	23	34.65	
Port Antonio	2.76	0.60	25	7	16.99	
Passley Garden	13.86	2.10	15	22	..	
Fellowship	9.44	1.60	15	24	27.59	
Johnson River Br.	4.40	1.20	13	13	9.55	
Trinity Ville	4.02	1.66	4	7	..	
Shrewsbury	29.97	5.50	22	20	30.70	
Hope Bay	7.68	1.60	15	18	..	
Cedar Valley	5.10	1.40	3	9	14.64	
Moy Hall	6.55	2.41	15	10	..	
Paradise	33.65	8.20	22	18	..	
Lennox	11.21	2.05	21	22	..	
Greenvale	80.89	10.80	27	18	32.26	
Spring Garden	10.12	1.80	21	21	15.39	
Hill Gardens	23.81	5.12	15	19	16.16	
Buff Bay	8.25	1.57	21	16	16.66	
Orange Vale	66.56	16.19	22	17	..	
Belvedere, Portland	25.32	10.00	21	15	..	
Windsor Castle do	6.08	1.53	14	9	14.82	
Balcarres	86.27	15.45	27	20	..	
Mt. Holstein	97.29	15.20	25	18	28.05	
Cedar Hurst	44.37	10.04	15	23	..	
Hardware Gap	39.21	8.10	15	20	16.71	
Rose Hill	25.61	3.63	15	17	16.45	
Hermitage	9.75	1.75	14	17	..	
Stony Hill Ind. Schl.	8.82	1.91	15	16	8.22	
Iter Boreale	6.35	1.24	15	15	..	
Enfield	46.52	10.66	22	19	..	

STATION.	November, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	In.	Amount.	Date.		In.
NORTH-EASTERN DIVISION, contd.					
Agualta Vale	9.02	2.57	15	14	11.65
Castleton Gardens	31.67	7.60	27	24	16.32
Water Valley	6.50	1.54	21	15	10.79
Albany	6.78	2.13	12	18	..
Lawrence Tavern	15.01	2.59	1	15	9.87
Richmond, St. Mary	20.66	7.09	28	16	12.06
Quebec, St. Mary	3.56	1.30	16	9	9.35
Zion Hill	6.86	1.15	27	12	..
Carew Castle	11.04	2.05	1	15	10.70
Hampstead, St. Mary	10.20	1.94	14	19	19.57
Windsor Castle do	24.55	5.35	28	16	..
Troja	25.14	8.28	27	16	..
Pear Tree Grove	19.99	6.20	27	13	..
Guy's Hill	21.14	5.00	27	14	..
Lusky Hill	14.00	2.84	27	18	16.28
Rio Hoe	20.29	5.20	27	15	10.66
Unity Valley	15.21	3.32	27	23	10.38
Moneague	20.40	4.06	27	18	12.07
Claremont	11.54	3.02	22	14	12.57
Averham Park	17.98	3.00	27	16	13.50
Albion	17.98	4.45	27	23	10.57
NORTHERN DIVISION (N).					
Port Maria	2.75	0.60	22	10	11.30
Eden Park	3.33	0.94	22	12	..
Oracabessa	5.72	1.55	22	5	..
New Ramble	4.87	1.01	15	8	10.42
Huddersfield	2.83	1.18	21	3	..
Ocho Rios	5.30	1.30	21	12	10.73
Bogue, Ocho Rios	9.08	1.73	22	11	14.22
Drax Hall	6.44	1.64	21	14	10.32
Rockfield	19.26	3.00	27	20	16.63
Liberty Hill	13.22	2.40	28	15	12.66
St. Ann's Bay	7.17	1.93	21	16	10.13
Seville	8.41	2.10	21	11	10.80
Richmond Estate	6.25	1.57	21	13	10.14
Llandoverly	7.40	1.50	25	10	10.01
Runaway Bay	3.71	1.36	25	8	..
Knapdale	19.01	3.64	25	18	..
Alexandria	7.13	1.57	27	16	..
Bel-Air	6.95	1.85	25	12	..
Brown's Town	20.22	4.50	27	21	12.12
Watt Town, St. Ann	8.46	1.71	4	11	..
Home Castle	13.92	3.00	25	11	9.01
Richmond Pen	5.77	1.69	27	15	6.66
Bryan Castle	7.75	2.75	25	10	6.92
Braco	5.45	1.05	21	15	6.32
Arcadia	10.37	2.70	23	14	7.59
Vale Royal	9.85	2.72	28	13	7.98
Harmony Hall	6.48	1.48	25	12	6.47
Colchis Pen	13.65	4.25	27	17	6.06
Duncans	6.86	1.47	22	11	..
Clark's Town	14.75	3.06	23	14	..
Carey Park	..	..	..	..	..
Falmouth	6.35	2.17	25	4	5.26
Canaan	10.93	2.70	23	8	6.88
Grange	6.95	1.50	22	8	..
Success	5.70	..	..	..	5.88

STATION.	November, 1928.					STATION.	November, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL <i>DIVISION, contd.</i>	In.	In.			In.
Rose Hall ..	7.54	..	..	..	5.78	Troy ..	16.53	3.30	3	10	6.65
Cinnamon Hill ..	5.45	..	..	..	5.67	Wallingford ..	8.68	2.12	5	11	7.39
Tryall ..	4.85	..	..	..	4.28	Balaclava ..	5.94	2.40	3	6	6.30
Running Gut ..	5.59	..	..	..	5.38	Appleton ..	6.25	2.07	1	9	..
Spring Estate ..	5.70	..	..	..	6.32	Deeside ..	6.81	2.25	22	8	..
Friendship ..	10.77	3.12	22	12	..	Maggotty ..	5.94	2.31	6	9	7.08
Retirement ..	11.36	3.15	22	16	6.39	Lacovia ..	4.41	1.60	1	8	..
Belfield ..	10.25	2.62	22	15	7.40	Ipswich ..	8.56	1.88	6	11	..
Montego Bay ..	5.65	1.64	22	16	5.27	Kempshot ..	11.53	3.42	4	9	6.64
Anchovy ..	2.44	0.62	22	14	3.91	Garlands ..	12.82	2.90	5	19	..
Bamboo-Hanover ..	5.12	1.17	25	15	..	Mocho, St. James ..	10.40	3.15	5	19	..
Blue Hole ..	8.87	2.65	12	13	..	Bandon Pen ..	10.99	2.80	4	15	..
Kew ..	3.80	1.25	11	6	5.16	Springfield, St. Eliz.	7.68	2.53	6	8	..
Lucea ..	4.54	1.55	11	10	6.05	Catadupa ..	9.54	2.29	5	15	8.58
Haughton Court ..	5.56	2.53	11	8	4.54	Cambridge, St. Jas.	11.42	2.13	1	17	5.14
Cousins Cove ..	4.31	0.80	12	11	..	New Market ..	6.13	1.00	2	11	8.16
Green River ..	5.96	2.60	3	7	..	Kew Park ..	8.91	2.10	10	12	5.70
Green Island ..	4.45	1.60	11	13	..	Montpelier ..	5.79	1.47	8	12	..
Haughton Hall ..	4.26	1.23	11	18	..	The Bog ..	3.36	1.10	29	11	6.92
CENTRAL SUB- DIVISION.						Bethel Town Dist. ..	9.05	1.49	3	12	..
Knollis ..	5.69	0.75	15	14	..	Burnt Ground ..	8.59	3.45	22	15	6.01
Highgate ..	8.90	2.02	18	16	..	Haughton Grove ..	10.71	1.90	22	19	5.22
Rio Magno ..	21.12	6.20	27	18	..	Darliston ..	5.81	1.59	5	10	7.43
Riversdale ..	12.57	2.00	28	13	..	Knockalva ..	9.95	2.02	22	13	6.33
Headworks, R.C.C.	4.09	1.44	29	5	5.11	Ramble ..	..	..	..	..	6.67
Bog Walk ..	3.80	0.70	30	12	..	Bluefields ..	..	..	..	..	6.67
Linstead ..	4.93	1.49	22	11	6.82	Whithorn ..	4.25	1.70	5	9	6.39
Cave Valley ..	2.28	0.63	22	11	5.36	Water Works Pen ..	5.62	1.25	5	12	6.49
Guanaboa Vale ..	2.10	0.65	28	4	..	Askenish ..	..	..	..	..	..
Point Hill ..	4.41	0.70	15	12	11.22	Grange Hill ..	4.82	1.90	1	12	5.74
Bellas Gate ..	2.48	1.23	1	5	..	King's Vale ..	4.18	1.50	3	11	5.55
Rock River ..	1.38	0.60	7	4	..						
Crofts Hill ..	5.42	1.40	10	12	7.64	SOUTHERN DIVISION (S.)					
Suttons ..	..	..	..	..	..	Morant Point L.H.	2.03	0.55	28	13	8.24
Chapelton ..	4.32	2.30	3	6	4.90	Golden Grove ..	3.57	1.09	15	7	..
Crooked River ..	5.32	1.85	3	13	..	Pleasant Hill ..	6.16	1.93	15	16	..
Trout Hall ..	..	..	..	..	9.82	Bowden ..	1.84	0.60	28	9	..
James Hill ..	4.52	1.78	3	9	..	East Prospect ..	2.81	0.93	28	12	11.88
Frankfield ..	4.85	1.33	7	11	..	Morant Bay ..	3.61	1.05	6	11	7.28
WEST-CENTRAL DIVISION (W.C.)						Petersfield ..	6.60	1.25	16	9	..
Mocho, Clarendon ..	6.03	1.90	11	6	6.13	Aeolus Valley ..	2.26	1.00	6	4	..
Clarendon Park ..	3.54	1.24	2	5	..	Yallahs ..	0.65	0.65	7	1	..
Spaldings ..	5.55	1.41	2	17	..	Easington ..	1.71	1.00	3	7	6.02
Williamsfield ..	1.80	0.50	3	7	..	Norris ..	2.30	1.05	4	5	..
Brokenhurst ..	2.64	1.39	8	7	7.94	Mavis Bank ..	8.03	2.90	15	10	..
Shooters Hill ..	2.11	0.62	22	9	8.37	Bull Bay ..	2.03	1.00	12	3	3.41
Low River ..	9.83	1.99	2	20	8.82	Bellevue ..	..	..	..	..	15.73
Christiana ..	7.30	1.62	5	16	6.98	Gordon Town ..	8.93	2.00	11	17	9.79
Clifton Hill ..	1.29	0.55	3	4	..	Irish Town ..	9.84	1.50	5	14	10.16
Kendal, Manchester	2.37	0.58	3	9	7.08	Hope Gardens ..	7.63	1.30	17	16	5.95
Mereworth ..	2.78	0.87	2	9	..	Ivor ..	8.48	2.14	5	17	..
Mandeville ..	1.61	1.07	3	5	7.47	Plumb Point L.H.	0.75	0.30	15	5	2.56
Ulster Spring ..	7.78	1.12	27	19	7.78	King's House Gar.	5.50	1.00	17	9	5.32
Marshalls' Pen ..	3.67	1.33	3	6	6.98	Upper Kingston ..	3.53	1.03	15	13	2.60
Greenville ..	4.08	0.68	1	8	..	Kingston P.W.O.	2.83	1.09	17	12	3.03
Albert Town ..	8.89	1.05	6	16	8.40	Halfway Tree ..	4.14	0.90	15	13	4.40
Warsop ..	13.44	2.23	1	17	..	Elsdene ..	3.77	0.94	15	13	..
						Clifton Pen ..	2.68	1.11	16	7	6.23

STATION.	November, 1928.					STATION.	November, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Quarantine Station	1.35	0.58	15	6	3.03	Great Valley, Man.	2.17	1.16	6	4	4.89
Hematine	1.87	1.01	15	7	..	Alligator Pond	1.78	0.70	6	4	3.76
Spanish Town	1.24	0.90	15	6	3.90	Fairfield	4.29	1.85	3	14	7.17
The Stewartry	2.63	1.31	3	4	..	Lititz	1.20	0.48	7	4	4.68.
Hog Hole, St. Cath.	1.07	0.67	15	2	4.80	Myersville	..	..	..	..	..
Hartlands	1.51	0.86	17	3	5.69	Gilnock	..	..	..	..	..
Amity Hall	2.29	1.25	17	6	..	Southfield, St. Eliz.	3.27	0.95	5	12	5.07
Bushy Park	2.14	0.96	17	7	..	Bethlehem, St. Eliz.	9.70	2.32	5	13	7.36.
Old Harbour	1.74	1.00	2	5	4.81	Torrington	9.78	3.00	3	10	6.93
May Pen	1.80	1.00	7	5	4.92	Santa Cruz	7.72	1.73	6	7	6.19.
Glen Muir	0.00	..	..	0	..	Pedro Plains	4.44	1.62	5	9	4.35.
Dry River, Vere	1.05	0.47	7	3	6.39	Mountainside	7.48	3.50	5	8	..
Cottage	2.01	0.62	6	4	..	Fort Charles	3.22	1.29	6	8	..
Belle Plain	1.32	0.59	7	4	..	Black River	5.59	1.88	6	4	4.34
Milk River	0.71	0.20	5	4	5.97	Font Hill	6.95	4.15	1	6	4.79.
Retrieve	1.32	0.50	6	4	..	Mount Edgecombe	4.61	2.23	1	6	4.94.
Hog Hole, S. Man.	1.50	0.60	15	5	..	Sweet River	2.75	0.57	7	9	3.92.
Stone's Hope	1.14	0.56	6	5	5.84	Sav-la-Mar	3.20	1.17	5	8	3.86.
Newport, Man.	2.39	0.96	8	9	7.48	Orchard	4.27	1.59	9	9	4.72.
						Little London	1.28	0.57	2	9	..
						Retreat	0.78	0.50	30	5	4.98.
						Negril Point L.H.	1.44	0.56	5	9	4.30.

NOTES.

SHOCKS OF EARTHQUAKE IN NOVEMBER, 1928.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	November.			
	Rainfall.		Rainy Days.	
	1928.	Ave.	1928.	Ave.
	In.	In.		
North-Eastern	19.65	16.22	16	16
Northern	7.43	6.74	12	11
West-Central	6.93	6.48	11	11
Southern	3.62	5.35	8	9
The Island means.	9.41	8.70	12	12

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
3.11.28	11.30 p.m.	II	Felt generally throughout the Island.

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND.

The mean rainfall for the month was slightly over the average, which was exceeded in all Divisions except the Southern, which shews a deficiency of over 30 per cent. It was well distributed, the mean number of rainy days being equal to the 33 year average of 12. The greatest number of rainy days was 25 at Millbank in Portland.

Very heavy rains fell in the hilly sections of the North-Eastern Division and parts of the Northern Division, the greatest total fall being 97.29 inches at Mount Holstein in Portland; other exceptionally heavy falls in the same parish being 86.27 inches at Balcarres, 80.89 inches at Greenvale, 66.56 inches at Orange Vale, 46.34 inches at Millbank, 44.37 inches at Cedar Hurst, and 41.25 inches at Moore Town, also 46.52 inches at Enfield in St. Mary and 39.21 inches at Hardware Gap in St. Andrew.

The heaviest fall in 24 hours was 16.19 inches at Orange Vale in Portland on the 22nd. Other heavy falls recorded were 15.45 inches at Balcarres on the 27th, 15.20 inches at Mount Holstein on the 25th, 10.80 at Greenvale on the 27th, 10.66 inches at Enfield on the 22nd, 10.04 inches at Cedar Hurst on the 15th, and 10.00 inches at Belvedere, Portland on the 21st.

Northerly of unusual intensity were experienced over the Island especially in the North Eastern Section. On or about the 14th reports from ship bound along the Northern coast stated that the wind was of strong gale force—At Morant Point the maximum wind velocity on the 13th was North 40 m.p.h. on the 14th North 45 m.p.h. in the forenoon and increasing to 50 m.p.h. in the afternoon. And on the 15th North East 40 m.p.h. in forenoon and 45 m.p.h. in the afternoon—decreasing thereafter. At Negril Point the force was not so great, for on the 13th in the forenoon it was 24 m.p.h., on the 14th forenoon 30 m.p.h., and on the 15th forenoon 30 m.p.h. decreasing to 20 m.p.h. on the following day.

Banana cultivation suffered severely in the areas exposed to these Northerly.

There was a preponderance of rain on the 15th and about the 22nd.

The mean rainfall in each parish is shewn below:—

	Ins.		Ins.
Kingston	2.39	St. James	8.28
St. Andrew	11.45	Hanover	6.34
St. Thomas	3.71	Westmoreland,	4.29
Portland	30.04	St. Elizabeth	6.27
St. Mary	12.46	Manchester	2.60
St. Ann	11.39	Clarendon	3.19
Trelawny	9.65	St. Catherine	7.09

CITY OF KINGSTON.

The total rainfall for November was below the 50-year normal of 3.03 inches, representing about 7 per cent. deficiency. There were, however, 12 rainy days as compared with the 47-year average of 7, and was well distributed. The greatest fall in 24 hours was 1.09 inch on 17th. The upper boundary of Kingston had a total of 3.35 inches, with 13 rainy days. Rain was noted on the nearby hills to north on 2nd, 3rd, 4th, 5th, 6th, and 27th. To north-east on 2nd, 3rd, 4th, 6th 9th, 10th, 15th, 26th, 27th and 28th. To east on 5th.

The mean of the daily miles of wind registered was 130, which is about 7 per cent. below the 20-year normal of 139. Maximum number of miles of wind occurring on one day was 164 on 24th, and minimum 86 on 27th. Gentle to moderate "Northerly" were experienced about the 12th, 14th and 24th.

Distant lightning observed at nights to North-east on 1st, 4th, 15th. On the 15th it was particularly vivid. Distant thunderstorms were noted to North, North-east and South on 1st. There was a local thunderstorm on the 1st in the afternoon.

The mean barometric pressure was 29.899 inches, and the 33-year normal 29.892 inches. Highest barometer reading 29.994 inches on 28th at 3 p.m., and lowest 29.826 inches on 4th at 7 a.m. (correc. for diur. var.). Mean temperature, based upon four observations per day, was 78.4 degrees, the 33-year normal being 78.3 degrees. The first half of the month was 0.8 degree higher than the second half. Maximum temperature was below 90 degrees throughout, and the minimum temperature was above 70 degrees, throughout. Highest maximum temperature 89.1 degrees on 12th, and lowest minimum 70.2 degrees on 4th. The mean relative humidity was one per cent. above the 33-year normal. The mean 7 a.m. was 90 per cent, and 3 p.m. 70 per cent. Lowest 7 a.m., 74 per cent on 14th, and lowest 3 p.m. 49 per cent. on same day.

The sky was overcast in the early morning on 11 occasions, and in the afternoons on 21.

Lunar halos observed on 23rd and 24th.

Total evaporation for the month was 3.58 inches.

Mean number of daily sunshine hours 7.2 .

A sharp shock of earthquake was felt throughout the Island on 3rd. At Kingston it occurred at 11.29 p.m., lasting about four seconds. Its direction was ESE to WNW, giving an extreme horizontal movement of 0.050 inch. No damage resulted.

J. F. BRENNAN,
Government Meteorologist.

Kingston, December 20th, 1928.

CORRIGENDUM: In Weather Report No. 617, for October, 1928, page 1, for Kingston, Barometer reading, mean 3 p.m. should be 29.844 inches, instead of 29.884 inches.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF
DECEMBER, 1928.

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 four-cup instruments used and for the small velocities measured.

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

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

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature.				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 Point Light House	8	29.987	29.951	78.2	80.5	81.7	74.6	7.1	83.0	1*	71.0	11	12.0
Kingston	24	29.961	29.901	69.5	83.1	85.7	68.6	17.1	88.2	11	64.7	29	23.5
Negril Point Light House	33	29.975	29.917	72.3	83.6	86.3	69.8	16.5	91.1	20	63.7	17	27.4
Castleton Gardens	496			68.0	77.9	81.7	67.0	14.7	85.0	1*	61.0	19	24.0
Hope Gardens†	668	29.997	29.905	65.6	80.2	83.5	68.3	15.2	85.0	1*	62.0	21*	23.0
Stony Hill Indus. School	1,400			66.3	77.1	79.3	67.0	12.3	81.0	1*	66.0	10	15.0
Hill Gardens	4,900	25.264	25.243	61.4	64.0	68.7	55.3	13.4	71.0	12	53.0	18*	18.0

STATIONS.	Elevation.	Dewpoint 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.	L.	M.	U.	L.	M.	U.		
	ft.	°	%	in.	Mls.		m.										
Morant Point Light House	8	71	79	71	75	2.59	326	NNE	16.0	NNE	13.5	1.5	2.7	0.7	1.2	2.9	0.6
Kingston	24	66	87	70	64	0.08	147	NNE	5.9	SSE	7.6	0.4	0.9	1.3	2.7	2.8	0.4
Negril Point Light House	33	67	84	71	65	0.89	239	NNE	11.1	N	12.1	1.3	0.3	1.2	1.3	3.0	1.2
Castleton Gardens	496	66	95	73	85	5.17	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	61	85	68	67	1.27	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	56	83	61	88	3.14	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

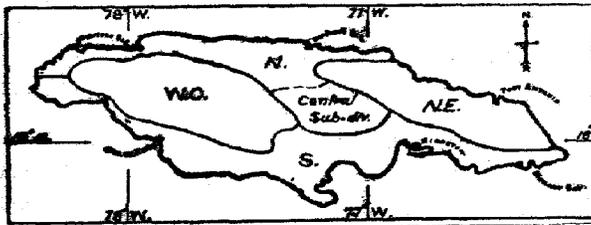
† Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.



STATION.	December, 1928.					STATION.	December, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL <i>DIVISION, contd.</i>	In.	In.			In.
Rose Hall ..	5.78	2.00	11	10	5.20	Troy ..	2.16	0.70	16	6	3.74
Cinnamon Hill ..	4.20	1.00	11	10	5.29	Wallingford ..	1.87	0.74	23	6	2.68
Tryall ..	3.58	1.49	13	11	3.72	Balaclava ..	0.88	0.42	23	4	2.61
Running Gut ..	4.25	1.00	14	10	5.30	Appleton ..	3.16	1.03	23	7	..
Spring Estate ..	4.07	1.45	13	11	5.71	Deeside ..	4.16	1.60	27	7	..
Friendship ..	2.59	1.02	13	11	..	Maggotty ..	7.54	2.66	20	7	3.13
Retirement ..	2.71	0.62	15	12	2.92	Lacovia ..	1.09	0.25	11	6	..
Belfield ..	1.91	0.59	13	8	6.01	Ipswich ..	2.65	1.81	23	4	..
Montego Bay ..	2.42	0.85	31	12	4.79	Kempshot ..	2.18	1.10	30	4	5.58
Anchoy ..	0.35	0.12	31	6	3.79	Garlands ..	1.85	0.84	28	5	..
Bamboo-Hanover ..	0.72	..	..	..	..	Mocho, St. James ..	1.99	0.80	27	7	..
Blue Hole ..	1.67	0.70	27	8	..	Bandon Pen ..	1.67	0.75	27	4	..
Kew ..	2.45	1.50	26	7	3.39	Springfield, St. Eliz. ..	3.98	1.46	20	6	..
Lucea ..	3.99	1.76	22	7	3.72	Catadupa ..	1.80	0.59	23	5	2.98
Haughton Court ..	3.10	1.45	26	5	3.51	Cambridge, St. Jas. ..	1.05	0.58	27	7	2.75
Cousins Cove ..	4.57	1.47	9	9	..	New Market ..	3.71	1.96	11	6	2.27
Green River ..	0.96	0.52	1	3	..	Kew Park ..	3.86	1.32	1	4	2.69
Green Island ..	2.74	1.15	26	8	..	Montpelier ..	0.76	0.40	27	2	..
Haughton Hall ..	3.93	2.00	23	7	..	The Bog ..	4.73	1.50	11	7	3.42
CENTRAL SUB- DIVISION.						Bethel Town Dist. ..	1.15	0.50	27	3	..
Knollis ..	0.53	0.46	10	2	..	Burnt Ground ..	2.46	1.14	27	5	3.31
Highgate ..	1.75	0.78	10	6	..	Haughton Grove ..	2.25	0.83	27	7	3.10
Rio Magno ..	6.27	2.65	29	10	..	Darliston ..	0.94	0.23	23	5	3.32
Riversdale ..	1.65	1.08	29	3	..	Knockalva ..	2.60	0.95	1	7	2.90
Headworks, R.C.C. ..	1.43	0.72	13	4	2.08	Ramble ..	..	..	..	..	..
Bog Walk ..	0.70	0.70	10	1	..	Bluefields ..	..	..	..	..	2.53
Linstead ..	1.34	0.68	29	5	3.50	Whithorn ..	2.59	0.82	27	9	2.78
Cave Valley ..	1.04	0.94	28	2	3.18	Water Works Pen ..	3.10	1.15	27	8	1.84
Guanaboa Vale ..	1.54	0.70	23	4	..	Askenish ..	0.71	0.38	27	2	..
Point Hill ..	1.89	0.84	8	5	5.31	Grange Hill ..	3.42	1.33	1	7	3.20
Bellas Gate ..	0.48	0.48	16	1	..	King's Vale ..	0.11	0.11	22	1	3.48
Rock River ..	0.32	0.32	23	1	..	SOUTHERN DIVISION (S.)					
Crofts Hill ..	0.30	0.30	29	1	2.92	Morant Point L.H. ..	2.59	0.75	22	13	6.11
Suttons ..	1.16	1.16	13	1	..	Golden Grove ..	4.33	1.26	9	10	..
Chapelton ..	0.91	0.45	2	4	2.63	Pleasant Hill ..	4.89	1.30	9	14	..
Crooked River ..	0.67	0.30	23	4	..	Bowden ..	3.41	0.87	22	15	..
Trout Hall ..	1.30	0.60	23	5	3.24	East Prospect ..	2.60	1.08	22	12	5.09
James Hill ..	..	..	..	..	..	Morant Bay ..	1.21	0.25	1	10	4.32
Frankfield ..	0.95	0.41	23	3	..	Peersfield ..	1.35	0.50	19	6	..
WEST-CENTRAL DIVISION (W.C.)						Aeolus Valley ..	0.80	0.45	10	3	..
Mocho, Clarendon ..	1.30	0.88	10	2	2.30	Yallahs ..	0.67	0.67	10	1	..
Clarendon Park ..	0.40	0.14	13	5	..	Easington ..	0.31	0.30	28	2	3.14
Spaldings ..	0.85	0.40	29	7	..	Norris ..	0.00	..	..	0	..
Williamsfield ..	0.11	0.11	13	1	..	Mavis Bank ..	1.17	0.40	9	4	..
Brokenhurst ..	1.13	0.44	2	6	3.38	Bull Bay ..	0.00	..	..	0	1.41
Shooters Hill ..	0.30	0.30	13	1	2.99	Bellevue ..	1.77	0.85	2	8	2.95
Lowe River ..	..	..	..	..	3.96	Gordon Town ..	1.45	0.48	19	7	3.34
Christiana ..	0.80	0.26	29	7	3.52	Irish Town ..	2.62	0.5	10	8	3.63
Clifton Hill ..	0.23	0.18	14	2	..	Hope Gardens ..	1.27	0.41	19	9	2.82
Kendal, Manchester ..	0.30	0.27	13	2	2.90	Ivor ..	1.32	0.37	23	5	..
Mereworth ..	0.84	0.69	13	4	..	Plumb Point L.H. ..	0.33	0.26	29	2	1.48
Mandeville ..	0.13	0.13	13	1	3.34	King's House Gar. ..	2.05	1.30	11	4	2.12
Ulster Spring ..	1.11	0.26	29	8	4.54	Upper Kingston ..	0.59	0.17	11	5	0.66
Marshalls' Pen ..	0.94	0.04	23	1	3.37	Kingston P.W.O. ..	0.03	0.06	9	2	1.59
Greenvale ..	0.14	0.14	24	1	..	Halfway Tree ..	0.77	0.21	11	7	1.99
Albert Town ..	1.28	0.50	27	4	4.48	Elsdene ..	1.07	0.45	23	7	..
Warsop ..	1.10	0.55	23	7	..	Clifton Pen ..	0.52	0.40	11	2	1.45

STATION.	December, 1928.					STATION.	December, 1928.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	In.	In.			In.	SOUTHERN DIVISION, contd.	In.	In.			In.
Quarantine Station	0.26	0.23	29	2	1.17	Great Valley, Man.	1.76	0.80	11	5	2.68
Hematine	1.79	1.01	15	7	..	Alligator Pond	0.72	0.40	11	3	2.40
Spanish Town	1.29	0.57	11	6	1.98	Fairfield	0.24	0.18	13	4	3.16
The Stewartry	0.90	0.33	11	5	..	Lititz	0.00	..	..	0	1.53
Hog Hole, St. Cath.	1.18	0.46	11	5	2.14	Myersville	..	..	..	..	..
Hartlands	0.37	0.32	29	2	2.32	Gilnock	0.60	0.17	24	5	..
Amity Hall	0.52	0.15	30	5	..	Southfield, St. Eliz.	0.03	0.03	29	1	1.89
Bushy Park	0.99	0.68	11	6	..	Bethlehem, St. Eliz.	2.50	1.48	24	3	2.77
Old Harbour	1.40	0.70	2	3	2.48	Torrington	0.92	0.75	24	3	2.66
May Pen	0.34	0.09	23	6	2.29	Santa Cruz	..	..	..	..	2.84
Glen Muir	0.00	..	..	0	..	Pedro Plains	..	..	..	..	1.64
Dry River, Vere	0.00	..	..	0	2.34	Mountainside	..	..	..	..	..
Cottage	0.21	0.21	23	1	..	Fort Charles	1.36	0.64	24	5	..
Belle Plain	2.07	0.90	23	4	..	Black River	2.64	1.76	11	4	3.31
Milk River	0.65	0.65	9	1	2.31	Font Hill	3.50	1.75	10	4	2.04
Retrieve	1.38	0.65	11	8	..	Mount Edgcombe	4.66	1.29	11	11	2.36
Hog Hole, S. Man.	1.06	0.75	14	3	..	Sweet River	2.55	0.72	20	7	2.35
Stone's Hope	0.96	0.40	2	3	2.82	Sav.-la-Mar	2.00	0.77	23	5	2.07
Newport, Man.	1.32	0.80	2	6	3.62	Orchard	..	..	..	..	1.42
						Little London	1.39	0.67	1	5	..
						Retreat	1.04	0.78	1	3	2.41
						Negril Point L.H.	0.89	0.33	20	5	2.11

NOTES.

SHOCKS OF EARTHQUAKE IN DECEMBER, 1928.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	December.				Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
	Rainfall.		Rainy Days.					
	1928.	Ave.	1928.	Ave.				
	In.	In.			16th	3 p.m.	I	*(Trinity Ville, St. Thomas)
North-Eastern	8.98	11.22	11	14				
Northern	4.93	5.52	8	9				
West-Central	1.99	3.64	5	7				
Southern	1.25	2.49	5	6				
The Island means.	4.29	5.72	7	9				*From "Daily Gleaner"

N.B. IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POSTCARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND, DECEMBER.

The mean rainfall for the month was much below the average in all the Divisions. There were heavy rains in Portland and St. Mary, and the Northern Division had a fair rainfall, but the Southern Division had only half and the West-Central a little more than half its normal rainfall. No rain fell at six Stations:—viz.: Cedar Valley, Norris, Bull Bay, Glen Muir, Dry River and Lititz and two other Stations, Marshall's Pen and Southfield, registered less than 0.05 inch.

Most of the rain appears to have fallen between the 9th and 13th, and again from the 23rd to the 29th.

The mean number of rainy days was 7, or 2 less than the 33-year average of 9, the greatest number being 23 at Fellowship in Portland.

The greatest fall for the month was 30.98 inches at Moore Town, in Portland, and the heaviest fall in 24 hours was 20.00 inches at the same Station on the 9th. Other heavy falls were 11.23 inches at Passley Garden on the 10th, 11.08 inches at Fellowship and 10.00 inches at Mill Bank and Belvedere on the 9th.

The mean rainfall in each parish is given below:—

	Inches.		Inches.
Kingston	0.33	St. James	2.63
St. Andrew	1.54	Hanover	2.62
St. Thomas	2.12	Westmoreland	2.29
Portland	18.71	St. Elizabeth	2.28
St. Mary	8.89	Manchester	0.67
St. Ann	6.00	Clarendon	0.71
Trelawny	5.59	St. Catherine	2.26

THE ISLAND RAINFALL FOR THE YEAR 1928.

The comparative Table "A" attached shews the mean monthly rainfall in each Division, with the respective totals, as compared with the 50-year average. The mean number of rainy days is also shewn, compared with the 33-year average. For the first half of the year the rainfall was 64% and for the second half 96% of the normal. The months of August and November were above normal, but all the other months were below. The total for the year was only about 83% of the normal. The North-Eastern Division was only 6% below normal, but the Northern Division was 20%; the West-Central Division 24% and the Southern Division 26% below normal.

The mean number of rainy days for the year was 110 as against the 33-year average of 122.

Table "B" shews the general distribution of rainfall in the 14 parishes for each month. Portland with 144.20 inches had the greatest total for the year. Hanover was next with 75.03 inches and St. Mary third with 71.63 inches.

The parish of Kingston with 29.88 inches was the lowest.

There were flood rains in August, November and December.

CITY OF KINGSTON. (DECEMBER 1928.)

For December the rainfall was only 0.08 inch, or about one-twentieth of the 50-year normal of 1.59 inch, with two rainy days as against the 47-year normal of 5. Rain was, however, noted on the nearby hills to NE. on 2nd and 10th, and to the East on 2nd and 28th. The rainfall for the Upper Boundary of Kingston was 0.59 inch with 5 rainy days.

The mean of the daily miles of wind registered was 147 as against the 20-year average of 145. Maximum number of miles of wind in one day was 223 on 9th and minimum 96 on 6th. Fresh "Northers" were felt from 8th to 11th, on 18th and 19th also from 25th to 29th, with a velocity of 10 miles per hour at times.

Mean barometric pressure for the month was 29.945 inches as compared with the normal of 29.941 inches. The highest barometer reading was 30.010 inches on 29th at 7 a.m., and the lowest 29.892 inches on 16th at 3 p.m. (correc. for diur. var.). The mean temperature, based upon four observations per day, was 76.2 degs., the 33-year normal being 76.8 degrees. The first half of the month was 0.6 degree higher than the second half. Maximum temperature was below 90 degrees throughout. Minimum temperature above 70 degrees on six days. Highest maximum temperature 88.2 degrees on 11th, lowest minimum 64.7 degrees on 29th. The mean relative humidity was 78%, or 2% below the 33-year normal. Mean 7 a.m. 87%, mean 3 p.m. 64%. Lowest 7 a.m. 74% on 20th and 27th, lowest 3 p.m. 52% on 19th.

The sky was over-cast in the early morning on 5 occasions, and in the afternoon on 17.

No distant lightning was observed, and no local thunderstorm occurred during the month.

The total evaporation for the month was 4.46 inches. And the mean number of daily sunshine hours for Kingston for December was 7.1.

KINGSTON, METEOROLOGICAL RESULTS FOR THE YEAR 1928.

The usual Table C, giving the meteorological results for the year 1928, is appended. From this it will be seen that the annual mean Barometer for the 7 a.m. obs. is 29.952 inches, and for the 3 p.m. 29.899 inches, then by applying the correction for the diur. var. the Mean of 29.936 inches is derived. The 33-year mean barometric pressure being 29.932 inches, therefore the year 1928 shews 0.004 inch above the normal, and corresponds with that for the year 1927. The mean temperature was 78.4 degrees, or 0.3 degree lower than the 33-year normal. The highest maximum temperature was 94.4 degrees on July 16th, and the lowest minimum 63.9 degrees on May 5th.

The greatest monthly range of temperature was 25.2 degrees, in May, and the least 18.9 degrees in November. The mean range for the year was 22.8 degrees, similar to that for 1927. The anemometer records shew a mean total miles of wind per day of 190, as against 182 of the 20-year normal. Only the months of January, August and November the wind was below the normal.

The mean 7 a.m. humidity was 83% (normal 82), 3 p.m. 66% (normal 69%), and the general mean about 77%, or 2% below the normal. The rainfall for the year was 28.89 inches or 4.70 inches below the 50-year average. The upper boundary of Kingston, however, had a total of 36.99 inches with 86 rainy days. The percentage of cloudiness at 7 a.m. was slightly below, and the 3 p.m. above those of the normals. But on the whole the difference was small.

J. F. BRENNAN,
Government Meteorologist.

Kingston, January 21st, 1929.

CORRIGENDUM.

W.R. 615 September, 1928. Morant Point Lighthouse. Wind per diem—177 instead of 207.

TABLE A.—The Island Rainfall, 1928. (In inches.)

Month.	DIVISIONS.				THE ISLAND.		RAINY DAYS.	
	N.E.	N.	W.C.	S.	1928.	Average. 50 years.	Means for 1928.	Average for 33 years.
January	4.43	2.36	1.52	0.50	2.20	4.10	6.	8.
February	1.92	0.71	1.00	0.95	1.14	3.06	4.	7.
March	1.63	1.50	2.62	1.03	1.69	3.42	6.	8.
April	4.50	2.10	6.06	2.91	3.89	5.03	9.	9.
May	10.95	6.74	10.26	3.93	7.97	9.12	10.	12.
June	5.52	2.00	4.84	2.30	3.67*	7.18	7.	10.
July	4.62	2.08	3.98	1.30	3.00	4.90	7.	9.
August	13.81	5.32	12.48	10.45	10.51	6.93	14.	11.
September	10.04	4.49	7.17	5.64	6.84	7.91	13.	13.
October	12.37	5.91	9.58	6.54	8.60	10.39	15.	14.
November	19.65	7.43	6.93	3.62	9.41	8.70	12.	12.
December	8.98	4.93	1.99	1.25	4.29	5.72	7.	9.
Totals, 1928	98.42	45.57	68.43	40.42	63.21	..	110.	122.
Totals 50-year Avge	104.60	57.79	89.28	54.13	..	76.46	..	..

*Shown in W.R. for June as 3.69ins. in error

TABLE B.—MEAN RAINFALL FOR EACH PARISH FOR YEAR 1928 (In Inches).

Parish.	Jany.	Feby.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Kingsfon	0.16	0.14	0.08	0.87	1.85	1.50	0.34	13.38	3.11	5.73	2.39	0.33	29.85
St. Andrew	1.16	0.43	0.76	2.54	6.16	1.84	1.00	12.81	7.45	6.25	11.45	1.54	53.39
St. Thomas	1.48	1.09	1.47	2.73	6.36	4.85	3.97	13.11	12.66	10.04	3.71	2.12	63.58
Portland	7.61	3.87	2.24	6.56	15.40	9.53	6.53	17.72	10.45	18.08	27.50	18.71	144.20
St. Mary	3.45	1.34	1.23	3.16	8.06	3.33	2.25	10.29	5.93	11.24	12.46	8.89	71.63
St. Ann	2.91	1.15	0.87	2.41	7.10	2.00	3.25	4.77	5.25	7.30	11.28	6.00	54.29
Trelawny	2.37	0.77	2.18	2.46	9.71	2.68	2.41	7.96	4.44	6.23	9.65	5.59	56.45
St. James	2.15	0.43	2.72	4.88	10.08	2.93	3.77	4.51	4.55	6.03	8.28	2.63	52.96
Hamover	4.23	0.58	3.38	6.85	10.81	8.56	5.87	9.66	7.61	8.52	6.34	2.62	75.03
Westmoreland	1.47	1.31	2.37	7.79	11.30	5.95	5.41	9.86	6.28	9.51	4.29	2.29	67.83
St. Elizabeth	0.50	1.64	1.81	5.73	6.46	2.48	1.89	10.08	5.70	10.54	6.27	2.28	55.38
Manchester	0.50	0.80	1.64	1.78	3.76	2.54	1.38	12.44	8.65	7.11	2.60	0.67	43.87
Clarendon	0.63	0.95	1.60	1.71	3.60	2.09	0.79	10.33	7.75	7.27	3.19	0.71	40.62
St. Catherine	0.97	0.66	1.27	2.87	5.30	2.66	2.14	11.55	6.94	7.36	7.09	2.26	51.07

TABLE C—METEOROLOGICAL RESULTS FOR THE YEAR 1928.

KINGSTON, JAMAICA, (ELEVATIONS, See Foot Note.)

Month.	Barometer Pressure.		TEMPERATURE.						Extremes for Month.			Dewpoint & Humidity.				Rain-fall.	Rainy Days.
	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.			
												°	%	°	%		
January	Ins. 30.012	Ins. 29.952	75.5	68.2	83.2	85.0	67.4	17.6	88.8	64.4	24.4	°	83	°	60	Ins. 0.16	1.
February	30.010	29.947	75.9	69.1	83.3	85.4	68.1	17.2	88.6	64.7	23.9	°	83	°	60	0.20	1.
March	29.990	933	76.5	70.7	83.7	85.1	68.7	16.4	89.3	65.7	23.6	°	80	°	62	0.11	2.
April	.962	905	77.7	74.1	82.8	85.6	70.3	15.3	89.6	67.3	22.3	°	80	°	68	0.88	4.
May	.926	883	79.5	76.3	83.7	87.1	72.9	14.2	89.1	63.9	25.2	°	80	°	68	1.77	6.
June	.937	890	81.5	77.6	86.7	89.6	74.2	15.4	94.3	70.8	23.5	°	74	°	60	1.29	5.
July	.971	918	81.2	76.2	87.1	89.8	73.6	16.2	94.4	71.2	23.2	°	79	°	61	0.31	2.
August	.946	909	79.7	75.2	85.1	87.9	72.6	15.3	92.6	68.4	24.2	°	86	°	72	12.57	13.
September	.894	847	79.9	75.7	84.7	87.8	73.4	14.4	90.2	69.2	21.0	°	88	°	73	3.12	10.
October	.902	844	79.1	73.9	84.6	87.7	72.1	15.6	90.9	69.3	21.6	°	88	°	71	5.57	9.
November	.913	801	78.4	73.0	84.3	86.5	71.9	14.6	89.1	70.2	18.9	°	90	°	70	2.83	14.
December	29.961	29.901	76.2	69.5	83.1	85.7	68.6	17.1	88.2	66.2	22.0	°	87	°	64	0.08	2.
Means	29.952	29.899	78.4	73.3	84.4	86.9	71.1	15.8	90.4	67.6	22.8	°	83	°	66	..	..
Totals																28.89	69.

Note:—Observations were made at 148½ East Street 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 directions. At Public Works Buildings, Port Royal Street as follows:—Elevation above sea-level rain gauge 57.28 ft. Anemometer 69.38 wind vane 70.88 ft. Standard Barometer at Public Works Building 24 ft. 75th Meridian Time adopted.

KINGSTON, 1928—MEAN RESULTS, contd.

Month.	Wind Miles per diem.	Wind from and Miles per hour.				Clouds: in Tenths.				Weather Conditions.		
		7 a.m.		11 p.m.		Lower.		Middle.			Upper.	
		7 a.m.	3 p.m.	3 p.m.	11 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.		7 a.m.	3 p.m.
January	149	N 5.4	SSE. 9.5	N 4.5	N 4.5	0.5	2.0	1.0	3.2	1.2	0.0	Rainfall one-sixth of 50-year Average. Northern 10th, 28th and 29th slight earthquake on 15th.
February	193	N 5.8	SE. 13.5	NE. 5.4	NE. 5.4	1.0	2.1	0.8	1.6	0.4	0.2	Rainfall one-third of 50-year Average. S.E. winds till late frequently.
March	206	N.E. 5.4	S.E. 14.4	E. 5.6	E. 5.6	0.3	2.2	0.8	2.0	1.3	0.2	Rainfall one-tenth of 50-year Average. S.E. winds till late frequently.
April	227	E.N.E. 4.5	S.E. 18.0	E.S.E. 6.4	E.S.E. 6.4	1.2	5.0	0.7	1.3	0.4	0.5	Rainfall three-quarters of 50-year Average. S.E. winds late and early. Solar Halos on 7th and 10th. S.E. rain squalls on 24th and 30th.
May	213	E.N.E. 6.3	S.E. 13.3	E.S.E. 6.2	E.S.E. 6.2	0.7	3.0	1.0	1.2	2.0	2.6	Rainfall two-fifths of Average. S.E. wind all night on many occasions. Solar Halos on 7th and 26th and 30th. Lunar Halos on 30th and 31st.
June	252	E. 5.9	S.E. 19.0	E. 6.1	E. 6.1	1.0	1.1	1.0	1.7	3.6	5.0	Rainfall one-third of 50-year Average. S.E. rain squall on 22nd, 30th and 30th. Thunderstorms to N.W. on 3 occasions, to N. once.
July	257	N.N.E. 4.4	S.E. 22.0	E.N.E. 4.8	E.N.E. 4.8	0.6	2.1	1.2	1.7	2.5	3.0	Rainfall one-fifth of 50-year Average. Distant rain on hill, frequently. Distant thunderstorms on 16 occasions. Local thunderstorm on 5th, 6th and 30th.
August	168	N.N.E. 4.7	S.E. 13.0	N. 3.7	N. 3.7	1.3	4.7	0.8	1.8	2.2	0.6	Rainfall three and a-half times the 50-year Average. Greatest fall recorded for Kingston in August for 48 years. Frequent distant thunderstorm and lightning. Local thunderstorm on 11th.
September	184	N.N.E. 4.7	S.E. 12.9	N.E. 4.7	N.E. 4.7	1.4	3.5	0.6	1.4	3.2	2.6	Rainfall one-fifth of 50-year Average. Frequent distant thunderstorms. Local thunderstorm on 1st, 2nd, 19th S.E. rain squalls on 19th and 20th.
October	156	N. 4.7	S.E. 11.5	N.N.E. 0.4	N.N.E. 0.4	2.1	3.5	0.5	2.6	2.7	2.8	Rain three-fourths of 50-year Average. Frequent distant lightning at night and frequent thunderstorms. Sharp local thunderstorm on 27th. S.E. rain squall on 13th.
November	130	N.N.E. 4.3	S.E. 8.8	N. 4.9	N. 4.9	1.0	4.6	1.2	2.1	2.2	1.1	Rainfall nine-tenths of 50-year average. Frequent rain on hills. Local thunderstorm on 1st. Lunar Halos on 23rd and 25th. Moderate "Norther" on 12th, 14th and 21st.
December	147	N.N.E. 5.9	S.S.E. 7.6	N.N.E. 5.0	N.N.E. 5.0	0.4	2.7	0.9	2.8	1.3	0.4	Rainfall one-twentieth of 50-year average. Generally fine. "Northers" on several occasions.
Means	190	N.E. 5.2	S.E. 13.6	E.N.E. 4.8	E.N.E. 4.8	1.0	3.0	0.9	2.0	1.9	1.6	The total rainfall for the year was 28.89 inches as against the 50-year average of 33.59 inches. Deficiency 4.70 inches.