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WEATHER BUREAU

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JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JANUARY, 1929.

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure 7 a.m.	Bar. Pressure 3 p.m.	Temperature 7 a.m.	Temperature 3 p.m.	Temperature Max.	Temperature Min.	Temperature Range.	Extreme Temperature Max.	Date.	Extreme Temperature Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Point Light House	8	30.005	29.966	77.0	80.1	81.4	73.3	8.1	82.6	30	61.0	29	21.6
Kingston	24	29.977	29.922	69.2	82.8	85.4	67.3	18.1	89.1	14	62.7	29	26.4
Negril Point Light House	33	29.983	29.934	71.2	83.2	86.4	68.0	18.4	89.6	22	62.7	26	26.9
Castleton Gardens	496	..	..	65.9	78.1	82.1	65.2	16.9	85.0	5*	59.0	13	26.0
Hope Gardens†	668	30.019	29.918	64.6	79.6	84.8	66.1	18.7	87.0	8*	63.0	12*	24.0
Stony Hill Indus. School	1,400	..	..	65.3	71.6	78.6	65.1	13.5	81.0	5*	64.0	5*	17.0
Hill Gardens	4,900	25.289	25.269	61.3	63.1	69.8	54.3	15.5	71.0	8	52.0	31	19.0

Stations.	Elevation.	Dewpoint and Humidity 7 a.m.		Dewpoint and Humidity 3 p.m.		Rainfall.	Wind per diem.	Wind: direction from and miles per hour 7 a.m.		Wind 3 p.m.		Amount of Cloud. Lower, Middle and Upper. 7 a.m.			3 p.m.		
	ft.	°	%	°	%	in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	70	80	71	74	3.07	329	ENE	16.0	NE	14.0	2.0	3.2	0.6	1.8	3.0	0.6
Kingston ..	24	64	83	68	61	0.55	179	NNE	5.2	SE	14.3	3.6	0.7	0.7	3.1	2.3	1.1
Negril Point Light House	33	65	83	70	67	1.50	212	NE	8.5	E	11.2	2.8	0.7	0.6	3.9	2.8	0.4
Castleton Gardens ..	496	64	95	73	84	3.94	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	60	83	66	62	1.32	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	1.56	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	87	60	90	3.13	..	..	..	..	..	..	..	..	..	..	..

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

National Oceanic and Atmospheric Administration

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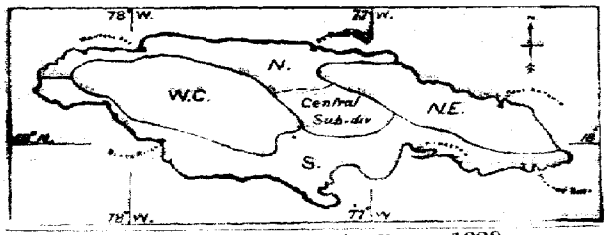
March 28, 2002

THE RAINFALL.

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

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

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



STATION.	January, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal ..	6.80	1.34	2	15	5.00
Priestman's River ..	6.21	0.80	16	21	..
Fairy Hill ..	5.67	1.60	8	13	..
Bath ..	7.91	1.00	31	21	6.13
Millbank ..	15.87	3.44	31	26	..
Moore Town ..	13.72	2.00	24	23	17.48
Port Antonio ..	6.30	0.95	1	14	8.78
Passley Garden ..	17.27	1.32	3	24	..
Fellowship ..	9.65	1.33	16	20	13.08
Johnson River Br. ..	5.37	0.70	31	22	3.31
Trinity Ville ..	3.55	0.50	30	15	..
Shrewsbury ..	14.39	2.04	3	17	17.08
Hope Bay ..	8.17	1.48	31	22	..
Cedar Valley ..	3.41	0.77	10	9	4.26
Moy Hall ..	1.70	0.75	31	5	3.85
Paradise ..	13.19	1.11	3	17	..
Lennox ..	9.27	1.90	31	20	..
Greenvale ..	12.28	3.37	31	21	18.99
Spring Garden ..	8.22	1.44	31	24	7.95
Hill Gardens ..	3.13	1.00	3	9	6.98
Buff Bay ..	9.57	1.88	1	19	9.22
Orange Vale ..	16.78	2.74	31	21	..
Belvedere, Portland	7.99	1.32	20	14	..
Windsor Castle do	8.72	1.59	1	19	7.05
Balcarres ..	11.17	2.70	31	15	..
Mt. Holstein ..	5.84	1.64	22	23	14.07
Cedar Hurst ..	3.25	0.78	30	17	..
Hardware Gap ..	3.00	1.64	30	7	5.78
Rose Hill ..	2.17	1.52	30	8	3.06
Hermitage ..	1.31	1.07	30	6	..
Stony Hill Ind. Schl.	1.56	0.83	30	4	3.05
Iter Boreale ..	7.56	1.28	15	20	..
Enfield ..	13.14	2.20	14	16	..

STATION.	January, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale ..	8.04	1.75	1	20	7.30
Castleton Gardens	3.94	1.58	8	13	9.08
Water Valley ..	6.62	1.12	15	20	8.11
Albany ..	6.44	1.07	1	20	4.68
Lawrence Tavern ..	0.61	0.26	30	3	2.26
Richmond, St. Mary	7.46	1.22	14	19	6.88
Quebec, St. Mary ..	6.02	1.41	1	17	7.15
Zion Hill ..	0.35	0.30	10	2	..
Carew Castle ..	0.88	0.50	30	7	..
Hampstead, St. Mary	7.93	1.36	31	25	10.56
Windsor Castle do	5.55	1.00	2	18	..
Troja ..	4.35	1.03	13	16	..
Pear Tree Grove ..	5.06	1.80	14	11	..
Guy's Hill ..	4.35	1.20	14	7	..
Lucky Hill ..	5.03	0.82	31	23	7.76
Rio Hoe ..	5.18	0.90	2	16	5.75
Unity Valley ..	3.22	0.75	14	16	4.95
Moneague ..	4.83	0.64	2	17	4.62
Claremont ..	3.09	0.64	30	8	5.93
Averham Park ..	3.90	1.50	20	8	7.08
Albion ..	2.95	0.49	14	22	5.27
NORTHERN DIVISION (N).					
Port Maria ..	5.50	0.80	1	18	6.16
Eden Park ..	4.86	1.05	1	17	..
Oracabessa ..	3.64	1.20	17	11	..
New Ramble ..	5.26	1.25	1	11	8.04
Huddersfield ..	2.98	1.24	2	3	..
Ocho Rios ..	4.92	1.16	16	13	4.69
Bogue, Ocho Rios ..	5.32	1.60	8	8	5.66
Drax Hall ..	4.77	0.90	1	18	6.27
Rockfield ..	7.40	1.70	9	12	8.60
Liberty Hill ..	4.86	1.06	15	14	7.27
St. Ann's Bay ..	3.78	0.70	16	18	4.97
Seville ..	..	..	..	..	5.86
Richmond Estate ..	2.53	0.77	1	15	5.96
Llandovery ..	3.55	0.75	1	15	6.17
Runaway Bay ..	2.45	0.65	2	11	..
Knapdale ..	7.41	1.49	8	16	..
Alexandria ..	0.87	0.28	30	7	..
Bell-Air ..	3.05	0.70	9	16	..
Brown's Town ..	4.04	0.94	21	19	5.82
Watt Town, St. Ann	1.42	0.56	31	5	..
Home Castle ..	6.35	1.30	2	10	5.70
Richmond Pen ..	0.75	0.25	30	5	3.36
Bryan Castle ..	2.28	0.60	8	10	4.94
Braco ..	1.15	0.30	8	8	4.38
Arcadia ..	2.98	0.62	8	10	5.02
Vale Royal ..	..	..	..	..	5.30
Harmony Hall ..	1.21	0.32	8	7	4.20
Colehis Pen ..	2.29	0.70	8	9	3.10
Duncans ..	1.46	0.40	8	8	..
Clark's Town ..	6.13	1.20	21	6	..
Carey Park ..	0.98	0.35	8	7	..
Falmouth ..	0.62	0.13	19	8	3.67
Canaan ..	2.45	0.86	21	7	3.45
Grange ..	1.20	0.50	14	3	..
Success ..	1.28	0.30	30	5	2.09

Station.	December, 1928. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Northern Division, *contd.*	In.	In.			In.
Rose Hall ..	0.90	0.35	30	6	3.56
Cinnamon Hill ..	1.00	0.40	30	5	3.71
Tryall ..	2.56	1.40	30	7	1.74
Running Gut ..	0.90	0.30	30	5	3.78
Spring Estate ..	1.93	0.95	30	7	4.33
Friendship ..	1.15	0.40	21	6	..
Retirement ..	1.10	0.38	21	6	3.83
Belfield ..	0.71	0.38	21	3	3.54
Montego Bay ..	0.80	0.53	21	5	2.93
Anchovy ..	0.21	0.08	1	4	3.12
Bamboo-Hanover ..	0.56	0.22	14	4	..
Blue Hole ..	0.40	0.18	21	3	..
Kew ..	..	..	..	...	2.10
Lucea ..	0.38	0.18	21	3	3.19
Haughton Court ..	..	..	..	..	2.52
Cousins Cove ..	1.10	0.37	15	5	..
Green River ..	0.40	0.30	29	2	..
Green Island ..	0.30	0.18	1	2	..
Haughton Hall ..	0.79	0.60	1	7	..
Central Sub-Division.					
Knollis ..	1.23	0.53	29	4	..
Highgate ..	0.78	0.47	30	5	..
Rio Magno ..	3.70	0.85	14	10	..
Riversdale ..	1.24	0.82	30	4	..
Headworks, R.C.C.	1.35	1.18	30	2	1.78
Bog Walk ..	1.20	0.50	30	4	..
Linstead ..	1.05	0.45	30	8	2.14
Cave Valley ..	3.60	1.65	30	6	2.26
Guanaboa Vale ..	3.04	1.22	22	6	..
Point Hill ..	2.93	0.88	3	12	3.39
Bellas Gate ..	2.40	1.08	30	7	..
Rock River ..	2.30	0.90	30	5	..
Crofts Hill ..	3.19	1.50	31	5	1.94
Suttons ..	..	..	..	..	..
Chapelton ..	2.58	1.11	30	4	2.14
Crooked River ..	1.80	0.74	31	8	..
Trout Hall ..	1.09	0.52	31	6	2.01
James Hill ..	..	..	..	..	..
Frankfield ..	0.78	0.35	31	4	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	2.23	0.71	31	6	2.30
Clarendon Park ..	..	..	..	..	..
Spaldings ..	3.18	1.85	31	15	..
Williamsfield ..	2.12	0.72	30	15	..
Brokenhurst ..	4.28	1.45	31	14	3.24
Shooters Hill ..	2.44	1.15	30	9	2.14
Lowe River ..	0.98	0.81	30	2	3.31
Christiana ..	2.55	0.81	30	12	2.36
Clifton Hill ..	2.89	0.55	5	11	..
Kendal, Manchester	2.51	1.25	30	7	2.36
Mereworth ..	4.55	1.23	31	13	..
Mandeville ..	2.94	0.70	31	13	3.28
Ulster Spring ..	0.69	0.25	8	7	3.38
Marshalls' Pen ..	2.83	1.03	11	9	3.05
Greenvale ..	..	..	..	..	..
Albert Town ..	0.80	0.50	31	2	3.00
Warsop ..	0.33	0.17	31	2	..

Station.	December, 1928. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
West-Central Division, *contd.*	In.	In.			In.
Troy ..	0.75	0.50	30	2	2.20
Wallingford ..	0.76	0.55	31	3	1.94
Balaclava ..	0.94	0.54	31	2	1.94
Appleton ..	..	..	..	..	..
Deeside ..	1.40	0.71	15	4	..
Maggotty ..	2.01	0.77	30	4	2.93
Lacovia ..	0.87	0.34	30	4	..
Ipswich ..	..	..	..	..	..
Kempshot ..	0.50	0.50	21	1	3.78
Garlands ..	1.07	0.72	1	3	..
Mocho, St. James ..	..	..	..	..	..
Bandon Pen ..	0.79	0.46	14	2	..
Springfield, St. Eliz.	1.48	0.68	3	4	..
Catadupa ..	1.14	0.71	1	4	2.57
Cambridge, St. Jas.	0.65	0.39	1	6	2.66
New Market ..	0.85	0.47	2	3	2.42
Kew Park ..	1.27	1.10	1	3	2.17
Montpelier ..	0.32	0.32	1	1	..
The Bog ..	1.27	0.41	31	5	3.27
Bethel Town Dist. ..	0.77	0.76	1	2	..
Burnt Ground ..	0.66	0.42	1	3	2.91
Haughton Grove ..	0.47	0.36	1	2	3.27
Darliston ..	1.59	1.02	1	5	2.99
Knockalva ..	0.82	0.42	1	3	3.25
Ramble ..	..	..	..	..	..
Bluefields ..	..	..	..	..	2.87
Whithorn ..	1.24	0.90	..	5	..
Water Works Pen ..	4.52	2.60	1	7	3.27
Askenish ..	0.60	0.40	18	2	..
Grange Hill ..	1.51	0.80	1	10	2.34
King's Vale ..	0.58	0.27	1	6	3.18
Southern Division (S.)					
Morant Point L.H.	3.07	0.50	22	19	4.38
Golden Grove ..	6.97	0.90	16	18	..
Pleasant Hill ..	6.80	1.07	16	21	..
Bowden ..	4.74	0.74	22	20	..
East Prospect ..	4.19	0.84	22	20	3.93
Morant Bay ..	3.87	0.50	5	18	2.93
Petersfield ..	12.35	1.50	16	21	..
Aeolus Valley ..	4.25	0.65	10	15	..
Yallahs ..	1.57	0.44	10	4	..
Easington ..	1.72	0.34	10	17	1.76
Norris ..	2.81	0.85	6	7	..
Mavis Bank ..	1.13	0.90	30	2	..
Bull Bay ..	0.00	..	..	0	0.98
Bellevue ..	1.36	0.28	5	11	3.28
Gordon Town ..	0.86	0.29	22	6	3.70
Irish Town ..	1.33	0.46	3	4	2.34
Hope Gardens ..	1.32	0.45	29	9	1.84
Ivor ..	..	..	..	..	..
Plumb Point L.H. ..	0.27	0.10	10	4	0.84
King's House Gar. ..	1.00	0.50	11	2	1.39
Upper Kingston ..	0.43	0.13	30	8	0.55
Kingston P.W.O. ..	0.55	0.34	30	8	0.96
Halfway Tree ..	0.69	0.46	3	6	1.07
Elsdene ..	0.59	0.36	3	6	..
Clifton Pen ..	0.35	0.16	30	5	0.89

Station.	January, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	0.31	0.13	30	4	1.02
Hematine ..	1.76	1.51	30	8	..
Spanish Town ..	1.24	1.00	30	7	1.50
The Stewartry ..	1.09	0.62	30	7	..
Hog Hole, St. Cath.	1.52	1.05	30	4	1.72
Hartlands ..	2.76	1.20	30	5	1.68
Amity Hall ..	1.21	0.40	30	7	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	1.64	0.87	30	5	2.22
May Pen ..	2.04	0.97	31	6	1.47
Glen Muir ..	1.50	1.00	31	2	..
Dry River, Vere ..	..	..	..	..	2.11
Cottage ..	1.54	0.71	5	7	..
Belle Plain ..	2.43	0.77	31	6	..
Milk River ..	1.20	0.63	5	5	2.04
Retrieve ..	2.26	0.55	22	10	..
Hog Hole, S. Man.	4.16	0.96	5	9	..
Stone's Hope ..	3.28	1.04	5	12	2.63
Newport, Man. ..	3.27	0.76	31	15	2.75

Station.	January, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In			In.
Great Valley, Man.	2.21	0.71	10	6	2.30
Alligator Pond ..	0.52	0.32	5	2	1.64
Fairfield ..	2.14	0.61	30	17	2.64
Lititz ..	1.32	0 60	31	5	1.76
Myersville ..	0.28	0.28	31	1	..
Gilnock ..	0.32	0.15	30	3	..
Southfield, St. Eliz.	1.44	0.34	9	9	2.56
Bethlehem, St. Eliz.	0.55	0.24	5	6	2.57
Torrington ..	0.85	0.20	31	5	2.42
Santa Cruz ..	0.03	0.03	2	1	2.52
Pedro Plains ..	0.40	0.21	31	3	..
Mountainside ..	..	..	..	..	..
Fort Charles ..	0.05	0.05	14	1	..
Black River ..	0.81	0.53	3	6	1.67
Font Hill ..	2.80	2.50	3	2	1.74
Mount Edgecombe	0.75	0.20	3	8	2.05
Sweet River ..	1.38	0.93	1	3	1.90
Sav.-la-Mar ..	1.04	0.33	1	4	..
Orchard ..	..	..	..	..	2.73
Little London ..	1.91	0.80	1	11	..
Retreat ..	3.23	1.19	30	4	1.66
Negril Point L.H. ..	1.50	0.91	1	7	1.41

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	January. Rainfall. 1928.	Rainfall. Ave.	Rainy Days. 1928.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	6.03	7.74	16	13
Northern ..	2.62	3.83	8	8
West-Central ..	1.58	2.87	5	7
Southern ..	1.49	1.94	7	6
The Island means. ..	2.93	4.10	9	8

Shocks of Earthquake in January, 1929.

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
9th	3.10 p.m.	..	(Springfield, St. Elizabeth.)

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 Island was very deficient, all the Divisions being below normal. No rain fell at Bull Bay

While the greater portion of the rain appears to have fallen during the first and the last few days of the month, it was, on the whole, well distributed, as the mean number of rainy days was 9, or 1 more than the 33-year average. The greatest number of rainy days was 25 at Hampstead in St. Mary.

The greatest total fall for the month was 17.27 inches at Passley Garden in the North-eastern Division and the heaviest fall in 24 hours was 3.44 inches at Millbank, Portland, on the 31st.

The mean rainfall in each parish is given below:—

		Inches.			Inches.
Kingston	..	0.42	St. James	..	1.09
St. Andrew	..	1.28	Hanover	..	0.59
St. Thomas	..	4.31	Westmoreland	..	1.69
Portland	..	9.72	St. Elizabeth	..	0.84
St. Mary	..	6.25	Manchester	..	2.81
St. Ann	..	3.92	Clarendon	..	1.99
Trelawny	..	1.68	St. Catherine	..	2.02

City of Kingston.

The rainfall was 0.55 inch for the month of January, and representing about three-fifths of the 50-year normal of 0.96 inch, with eight rainy days; the 47-year average shewing four rainy days. The greatest fall in 24 hours was 0.34 inch on 30 th. Rain was observed on the nearby hills to north on 10th, to north-east on 22nd and to east on 10th. The rainfall for the upper boundary of Kingston was 0.43 inch with eight rainy days.

The mean of the daily miles of wind registered was 179, as against the 20-year normal of 166, being 8% in excess. Maximum number of miles of wind in one day was 360 on 5th and the minimum, 108 on 2nd. The prevailing south-east wind was somewhat above the normal, and blew early on three days, and continued late into the evenings on ten days. South-east rain-squalls on 3rd, 10th and 24th. Gentle to fresh "northers" were felt on a few days.

Mean barometer pressure was 29.963 inches, and the 33-year normal shews 29.974 ins. Highest barometer reading 30.042 ins. on 20th at 7 a.m., and lowest 29.847 ins. on 30th at 7 a.m. (correc. for diur. var.). The mean temperature based upon four observations per day was 75.7 degs., the 33-year normal being 75.8 degs. The first half of the month was 1.0 deg. higher than the second half. The maximum temperature was below 90 degrees throughout, and the minimum temp. was above 70 degs. on five days. Highest maximum temp. 89.1 degs. on 14th, and lowest min. temp. 62.7 degs. on 29th. The mean relative humidity was 4% below the 33-year mean. The mean 7 a.m. was 83%, and mean 3 p.m. 61%. Lowest 7 a.m. 70% on 5th, and lowest 3 p.m. 45% on 28th.

The sky was overcast in the early morning on thirteen occasions, and in the afternoon on 17.

The total evaporation for the month was 4.73 inches, and 0.93 inch below the 6-year normal.

The mean number of daily sunshine hours was 6.1.

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 1928, is appended. The extreme maximum temperature was 95.7 degrees on 27th September, and the extreme minimum was 62.6 degrees on 23rd January. The greatest monthly rainfall was 5.32 ins. in April. The year's rainfall was 35.73 ins. and below the normal of 54.49 inches. The observations were conducted by Mr. J. S. Brownhill, the Superintendent of the Lighthouse.

J. F. Brennan,
Government Meteorologist.

Kingston, February 18th, 1929.

Corrigendum.—In Weather Report No. 619, for December, 1928, page 7, Table, Kingston, for September, read 4.15 inches instead of 3.11 inches, and the total 30.92 inches instead of 29.88 inches.

Meteorological Results for the Year 1928.

Negril Point, Jamaica, (Elevations, see foot note.)

Month.	Barometer Pressure.		Temperature.						Extremes for Month.			Dewpoint and 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.			
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	%	°	%	Ins.	
January ..	30.028	29.972	77.0	71.0	83.7	86.4	68.7	17.7	92.4	62.6	29.8	66	84	69	63	1.09	7
February ..	.019	.954	77.4	71.2	84.7	87.5	68.3	19.2	92.9	63.6	29.3	66	84	72	66	2.37	4
March ..	29.994	.949	76.8	71.9	82.7	85.4	69.1	16.3	90.2	63.8	26.4	67	85	72	69	1.15	4
April ..	.968	.923	77.9	74.9	82.8	86.4	69.5	16.9	90.0	67.0	23.0	69	83	72	72	5.32	14
May ..	.927	.894	79.3	77.6	82.7	86.4	72.3	14.1	91.2	66.0	25.2	71	82	73	73	3.90	10
June ..	.940	.909	80.9	78.3	85.7	88.9	72.5	16.4	93.0	70.0	23.0	71	77	75	70	4.23	15
July ..	.975	.951	80.4	77.7	84.3	89.2	72.5	16.7	92.2	69.5	22.7	71	81	75	74	4.87	12
August ..	.953	.927	80.5	77.2	84.9	88.7	73.1	15.6	93.0	70.1	22.9	73	86	75	72	3.38	17
September ..	.897	.852	81.9	78.6	86.0	90.3	74.6	15.7	95.7	71.1	24.6	73	83	75	70	2.11	14
October ..	.909	.859	80.3	76.8	84.3	88.6	73.3	15.3	92.6	71.0	21.6	72	84	75	74	4.[illegible]8	20
November ..	.931	.879	79.7	75.8	84.1	87.3	73.5	13.8	91.5	69.4	22.1	70	83	72	68	1.44	9
December ..	29.975	29.917	77.5	72.3	83.6	86.3	69.8	16.5	91.1	63.7	27.4	67	84	71	65	0.89	5
Means ..	29.960	29.916	79.1	75.3	84.1	87.6	71.4	16.2	92.1	67.3	24.8	70	83	73	70	..	..
Totals ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	35.73	131

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th 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 ft.

NEGRIL POINT, 1928—MEAN RESULTS, *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.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January ..	252	N.E. 10.1	N. 12.8	N.E. 9.5	1.1	1.5	1.2	2.7	1.2	0.7	Clear 10, Cloudy 13, Overcast 1, Rain 7 days, Distant Thunderstorm on 31, Norther 28 and 29. Rainfall below the Average.
February ..	217	N.E. 8.8	S.E. 14.0	E.N.E. 7.6	1.0	1.0	0.2	4.3	0.9	0.4	Clear 7, Cloudy 17, Overcast 1, Rain 4 days, Thunderstorm on 20th. Rainfall above the Average.
March ..	244	E.N.E. 8.2	E. 12.7	E.N.E. 8.0	1.0	4.6	0.9	0.5	1.4	0.7	Clear 7, Cloudy 15, Overcast 5, Rain 4 days, Lt. Norther 21.22. Rainfall below the Average.
April ..	213	E.N.E. 6.5	S.E. 9.5	E.N.E. 8.2	1.4	4.4	0.2	3.4	2.1	0.6	Fair 2, Cloudy 11, Overcast 3, Rain 14 days, Distant Thunderstorm on 6th, Rainfall above the Average.
May ..	245	EN.E. 7.4	N.E. 13.8	E.N.E. 9.2	1.0	4.4	1.5	1.1	3.2	1.7	Clear 4, Cloudy 8, Overcast 9, Rain 10, Distant Thunder and Lightning on a few days. Thunderstorm on 15th and 17th, Light Norther on 8th.
June ..	195	N.E. 6.6	S.E. 11.5	N.E. 6.7	1.0	2.8	1.1	4.4	4.5	1.9	Cloudy 8, Overcast 7, Rain 15, Thunderstorm 6, Distant Thunderstorm, Lightning on a few days. Rainfall below the Average.
July ..	172	N.E. 7.2	E.S.E. 9.2	E.N.E. 6.1	1.0	1.6	0.4	6.5	5.5	0.8	Clear 1, Cloudy 8, Overcast 10, Rain 12, Thunderstorms 11, and Distant Thunder and Lightning on many days, Squall from S. E. at 2.15 p.m. on 6th, Velocity 40 M.P.H., Rainfall below the Average.
August ..	186	N.E. 7.4	Var. 9.7	E.N.E. 6.7	0.6	1.5	0.0	7.3	5.0	0.2	Clear 1, Cloudy 9, Overcast 4, Rain 17, Thunderstorm 14. and distant Thunder and Lightning on many days. Rainfall below the average.
September ..	238	E.N.E. 8.3	S.E. 13.8	E. 7.5	0.3	1.0	0.8	5.7	6.2	2.0	Clear 1, Coudy 6, Overcast 9, Rain 14, Thunderstorm 11 Distant Thunder and Lightning on many days, Bar depression 2.12 14. Rainfall below Average.
October ..	186	N.E. 7.3	N.E. 9.0	E.N.E. 7.6	1.3	1.8	0.7	5.7	4.9	0.5	Fair 1, Cloudy 5, Overcast 5, Rain 20, Thunderstorm 14 Distant Thunder and Lightning on many days. Rainfall below the Average.
November ..	259	N.N E.10.1	N.E. 11.3	N.E. 10.5	2.1	2.8	0.3	2.5	4.5	2.0	Clear 3, Cloudy 8, Overcast 10, Rain 9, Thunderstorm on 2, and Distant Thunder and Lightning on a few days, Norther 11 to 15 and 21 to 27. Rainfall below the Average.
December ..	239	N.N.E.11.1	N. 12.1	N.E. 8.9	1.3	1.3	0.3	3.0	1.2	1.2	Clear 14 Cloudy 12, Rain 5, Distant Thunderstorm on 2 days, Norther from 8th to 28th very deficient.
Means ..	221	N.E. 8.3	E. 11.6	E.N.E. 8.0	1.1	2.4	0.6	4.0	3.4	1.1	Rainfall for the year 18.76 below the Average with 131 Rainy Days.

No. 621.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

FEBRUARY, 1929.

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 7 a.m.	Bar. Pressure 3 p.m.	Temperature 7 a.m.	Temperature 3 p.m.	Temperature Max.	Temperature Min.	Temperature Range.	Extreme Temperature Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Point Light House	8	30.003	29.973	76.9	80.5	81.5	73.8	7.7	82.8	18	65.2	6	17.6
Kingston	24	29.978	29.925	68.4	82.9	85.0	67.7	17.3	88.1	23	64.2	13	23.9
Negril Point Light House	33	29.985	29.932	71.3	83.7	87.2	68.7	18.5	91.6	3	64.1	10	27.5
Castleton Gardens	496	..	..	66.8	75.6	86.8	63.7	23.1	87.0	26*	60.0	26*	27.0
Hope Gardens†	668	30.014	29.918	64.3	76.2	84.8	64.3	20.5	88.0	24	63.0	6*	25.0
Stony Hill Indus. School	1,400	..	..	66.6	73.4	79.4	65.3	14.1	82.0	5*	62.0	11	20.0
Hill Gardens	4,900	25.261	25.235	60.8	62.5	67.2	52.5	14.7	70.0	26	51.0	22	19.0

Stations.	Elevation.	Dewpoint and Humidity 7 a.m.		Dewpoint and Humidity 3 p.m.		Rainfall.	Wind per diem.	Wind: direction from and miles per hour 7 a.m.		Wind 3 p.m.		Amount of Cloud. Lower, Middle and Upper. 7 a.m.			3 p.m.		
	ft.	°	%	°	%	in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	70	80	70	74	1.46	325	ENE	16.0	ENE	13.0	0.6	3.8	0.0	0.7	3.8	0.1
Kingston ..	24	63	83	68	62	0.50	206	NE	5.4	SE	14.6	0.4	1.1	0.0	2.5	1.3	0.0
Negril Point Light House	33	65	80	70	64	0.29	244	NE	7.7	E	14.8	0.8	0.6	0.0	2.8	2.2	0.0
Castleton Gardens ..	496	62	83	75	94	3.24	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	58	81	67	74	2.13	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	1.23	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	56	83	59	86	2.13	..	..	..	..	..	..	..	..	..	..	..

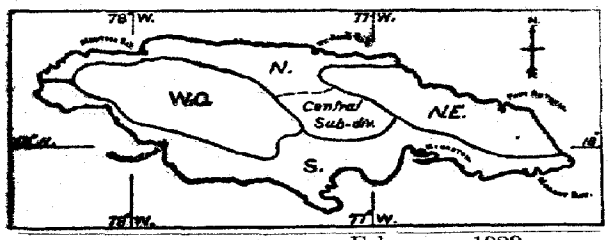
* And on other days. † Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.	February, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal ..	3.86	1.01	12	7	5.57
Priestman's River ..	3.15	0.50	12	11	..
Fairy Hill ..	2.23	0.85	12	9	..
Bath ..	3.17	0.51	28	14	4.43
Millbank ..	11.13	2.92	2	16	..
Moore Town ..	8.69	1.50	7	17	12.92
Port Antonio ..	2.60	1.05	15	5	6.04
Passley Garden ..	11.32	1.55	28	14	..
Fellowship ..	5.85	1.87	1	16	10.47
Johnson River Br. ..	1.74	0.40	12	9	2.21
Trinity Ville ..	1.51	0.60	15	6	..
Shrewsbury ..	2.37	0.40	24	10	11.36
Hope Bay ..	2.64	0.60	24	12	..
Cedar Valley ..	2.50	0.80	4	11	2.50
Moy Hall ..	1.77	0.57	4	6	..
Paradise ..	2.31	0.75	1	10	..
Lennox ..	2.45	0.45	2	10	..
Greenvale ..	5.13	1.50	24	9	11.36
Spring Garden ..	2.46	0.74	11	8	8.42
Hill Gardens ..	2.13	0.47	26	9	4.07
Buff Bay ..	2.30	0.60	24	7	7.71
Orange Vale ..	11.16	3.20	8	12	..
Belvedere, Portland	5.16	2.45	10	8	..
Windsor Castle do	1.72	0.71	5	4	6.23
Balcarres ..	9.53	2.30	5	9	..
Mt. Holstein ..	10.92	3.02	3	10	6.93
Cedar Hurst ..	1.02	0.55	3	11	..
Hardware Gap ..	3.73	1.37	3	5	3.36
Rose Hill ..	2.09	0.55	7	10	4.26
Hermitage ..	1.22	0.43	12	8	..
Stony Hill Ind. Schl.	1.23	0.39	10	7	2.26
Iter Boreale ..	..	..	..	..	..
Enfield ..	4.10	1.85	7	13	..

STATION.	February, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale ..	3.11	2.59	7	9	5.33
Castleton Gardens	3.24	0.85	6	9	4.94
Water Valley ..	0.85	0.40	7	6	4.83
Albany ..	1.09	0.26	7	10	..
Lawrence Tavern ..	0.96	0.39	9	3	2.29
Richmond, St. Mary	1.06	0.34	17	5	4.53
Quebec, St. Mary ..	2.19	0.68	7	10	4.76
Zion Hill ..	1.11	0.50	3	4	..
Carew Castle ..	1.63	1.30	8	4	2.12
Hampstead, St. Mary	0.97	0.32	15	11	7.01
Windsor Castle do	1.53	0.45	25	8	..
Troja ..	0.63	0.27	15	5	..
Pear Tree Grove ..	0.73	0.36	5	3	..
Guy's Hill ..	1.07	0.50	24	3	..
Lucky Hill ..	1.54	0.47	15	12	4.72
Rio Hoe ..	1.00	0.30	5	6	3.95
Unity Valley ..	1.80	0.62	5	7	3.50
Moneague ..	2.67	1.32	5	8	3.92
Claremont ..	2.83	1.85	5	3	3.87
Averham Park ..	4.75	1.75	5	10	4.25
Albion ..	4.39	1.89	5	11	3.49
NORTHERN DIVISION (N).					
Port Maria ..	2.13	0.90	6	8	5.38
Eden Park ..	1.40	0.37	6	13	..
Oracabessa ..	1.59	0.50	7	5	..
New Ramble ..	1.11	0.40	24	6	5.30
Huddersfield ..	0.00	..	..	0	..
Ocho Rios ..	1.71	0.60	5	5	3.17
Bogue, Ocho Rios ..	2.01	1.37	5	4	4.79
Drax Hall ..	..	..	..	..	4.39
Rockfield ..	2.74	1.50	5	7	5.48
Liberty Hill ..	2.70	1.75	5	7	4.86
St. Ann's Bay ..	2.24	1.55	5	10	4.76
Seville ..	1.85	1.04	5	4	4.29
Richmond Estate ..	1.07	0.50	5	5	4.28
Llandovery ..	0.95	0.50	5	5	4.52
Runaway Bay ..	0.86	0.65	5	3	..
Knapdale ..	1.37	0.34	8	7	..
Alexandria ..	0.71	0.35	5	5	..
Bell-Air ..	1.55	1.30	5	5	..
Brown's Town ..	0.92	0.44	5	7	4.16
Watt Town, St. Ann	0.97	0.50	5	2	..
Home Castle ..	0.00	..	..	0	3.29
Richmond Pen ..	0.53	0.30	5	3	2.21
Bryan Castle ..	0.30	0.15	18	4	2.45
Braco ..	0.15	0.15	18	1	2.27
Arcadia ..	0.27	0.20	15	2	2.62
Vale Royal ..	..	..	..	..	2.62
Harmony Hall ..	0.36	0.22	18	2	2.46
Colchis Pen ..	1.51	1.07	5	4	1.64
Duncans ..	0.22	0.22	15	1	..
Clark's Town ..	0.00	..	..	0	..
Carey Park ..	0.55	0.30	18	3	..
Falmouth ..	0.36	0.19	15	4	1.84
Canaan ..	2.34	1.95	7	3	2.14
Grange ..	1.60	0.60	7	3	..
Success ..	1.96	1.05	6	4	2.22

Station.	February, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Northern Division, *contd.*	In.	In.			In.
Rose Hall ..	3.12	2.00	6	4	2.35
Cinnamon Hill ..	2.60	1.60	6	4	2.54
Tryall ..	3.88	2.65	6	3	1.14
Running Gut ..	2.97	1.80	6	4	2.11
Spring Estate ..	3.70	2.30	6	3	2.56
Friendship ..	2.39	0.98	7	3	..
Retirement ..	1.26	0.83	7	2	2.25
Belfield ..	0.69	0.64	7	2	1.72
Montego Bay ..	1.00	0.78	7	4	1.84
Anchovy ..	0.12	0.12	7	1	2.25
Bamboo–Hanover ..	2.03	1.50	6	..	..
Blue Hole ..	2.26	1.60	8	6	..
Kew ..	0.50	0.25	15	3	2.20
Lucea ..	1.83	1.00	15	5	2.33
Haughton Court ..	..	..	..	..	1.99
Cousins Cove ..	2.12	0.78	8	6	..
Green River ..	0.00	..	..	0	..
Green Island ..	0.40	0.14	15	4	..
Haughton Hall ..	0.32	0.08	24	7	..
Central Sub-Division.					
Knollis ..	0.73	0.45	4	4	..
Highgate ..	1.88	0.73	4	9	..
Rio Magno ..	0.85	0.30	24	5	..
Riversdale ..	0.57	0.24	24	3	..
Headworks, R.C.C.	1.29	1.07	4	3	1.52
Bog Walk ..	0.58	0.24	8	3	..
Linstead ..	0.26	0.14	24	4	1.93
Cave Valley ..	0.61	0.45	5	2	2.17
Guanaboa Vale ..	0.65	0.38	4	6	..
Point Hill ..	2.10	0.66	13	8	3.61
Bellas Gate ..	1.36	0.71	5	3	..
Rock River ..	1.32	0.72	4	6	..
Crofts Hill ..	0.60	0.60	4	1	1.56
Suttons ..	..	..	..	..	..
Chapelton ..	0.58	0.28	4	3	1.72
Crooked River ..	1.18	0.76	8	5	..
Trout Hall ..	1.54	0.89	4	6	1.81
James Hill ..	..	..	..	..	..
Frankfield ..	0.95	0.34	4	5	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	0.20	0.12	12	2	1.45
Clarendon Park ..	..	..	..	..	..
Spaldings ..	1.86	0.68	4	9	..
Williamsfield ..	1.20	0.90	4	6	..
Brokenhurst ..	1.16	0.37	12	7	2.37
Shooters Hill ..	2.18	1.63	4	5	1.88
Lowe River ..	2.67	1.38	4	5	2.86
Christiana ..	3.06	1.62	13	7	2.42
Clifton Hill ..	0.93	0.40	4	4	..
Kendal, Manchester	2.70	2.23	4	5	2.32
Mereworth ..	1.20	0.42	28	7	..
Mandeville ..	1.33	0.47	4	7	2.69
Ulster Spring ..	0.77	0.52	5	4	2.97
Marshalls' Pen ..	0.48	0.18	16	5	2.94
Greenvale ..	..	..	..	..	..
Albert Town ..	0.70	0.50	4	2	2.65
Warson ..	4.91	1.80	4	6	..

Station.	February, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
West-Central Division, *contd.*	In.	In.			In.
Troy ..	5.30	2.00	8	5	2.98
Wallingford ..	2.13	1.02	6	6	2.83
Balaclava ..	1.92	0.85	7	5	2.21
Appleton ..	..	..	..	..	..
Deeside ..	3.35	2.36	7	3	..
Maggotty ..	1.66	0.71	7	9	3.02
Lacovia ..	1.34	0.53	10	7	..
Ipswich ..	..	..	..	..	..
Kempshot ..	1.25	1.25	7	1	2.77
Garlands ..	4.50	3.58	7	6	..
Mocho, St. James ..	..	..	..	..	..
Bandon Pen ..	3.02	2.62	7	2	..
Springfield, St. Eliz.	4.69	1.62	12	8	..
Catadupa ..	1.78	0.96	7	4	3.48
Cambridge, St. Jas.	2.42	1.65	7	5	3.79
New Market ..	3.43	1.18	12	7	..
Kew Park ..	1.64	0.92	4	4	2.51
Montpelier ..	3.08	3.08	7	1	..
The Bog ..	1.96	0.45	12	6	4.00
Bethel Town Dist. ..	2.08	0.66	13	4	..
Burnt Ground ..	1.61	0.72	7	6	2.43
Haughton Grove ..	1.23	0.83	7	4	3.13
Darliston ..	1.56	0.61	4	9	3.41
Knockalva ..	2.38	0.94	7	8	4.88
Ramble ..	..	..	..	..	..
Bluefields ..	1.02	0.41	9	5	3.80
Whithorn ..	1.83	1.25	7	7	3.15
Water Works Pen ..	3.90	2.00	6	7	..
Askenish ..	1.02	0.45	7	4	..
Grange Hill ..	0.37	0.12	7	5	2.39
King's Vale ..	0.34	0.14	8	4	2.80
Southern Division (S.)					
Morant Point L.H.	1.46	0.33	24	14	2.89
Golden Grove ..	2.61	0.42	7	12	..
Pleasant Hill ..	2.77	0.51	12	20	..
Bowden ..	2.71	0.69	24	16	..
East Prospect ..	3.18	1.38	12	14	2.18
Morant Bay ..	1.61	0.51	12	9	1.98
Petersfield ..	2.53	0.50	4	13	..
Aeolus Valley ..	1.10	0.30	4	7	..
Yallahs ..	0.80	0.43	24	3	..
Easington ..	0.63	0.16	28	8	1.43
Norris ..	0.45	0.15	1	4	..
Mavis Bank ..	0.97	0.50	24	2	..
Bull Bay ..	0.40	0.40	16	1	0.48
Bellevue ..	2.80	1.09	6	11	2.62
Gordon Town ..	5.42	2.45	7	8	1.63
Irish Town ..	2.10	1.00	4	6	1.34
Hope Gardens ..	2.13	1.01	12	5	1.13
Ivor ..	1.31	0.55	5	4	..
Plumb Point L.H. ..	0.36	0.25	12	3	0.65
King's House Gar. ..	1.00	0.50	11	2	1.27
Upper Kingston ..	0.46	0.37	12	4	0.86
Kingston P.W.O. ..	0.50	0.25	4	3	0.60
Halfway Tree ..	0.65	0.25	4	5	0.80
Elsdene ..	0.86	0.52	4	5	..
Clifton Pen ..	1.12	0.86	4	2	0.48

Station.	February, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	0.24	0.24	12	1	0.34
Hematine ..	1.51	0.89	12	6	..
Spanish Town ..	1.68	1.11	12	4	1.22
The Stewartry ..	1.71	1.19	3	4	..
Hog Hole, St. Cath.	2.22	1.20	4	4	1.70
Hartlands ..	1.15	0.75	4	8	1.26
Amity Hall ..	1.09	0.40	4	5	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	3.47	1.50	4	5	1.67
May Pen ..	3.50	1.75	4	11	1.62
Glen Muir ..	0.00	..	..	0	..
Dry River, Vere ..	..	..	..	..	1.00
Cottage ..	0.58	0.25	4	4	..
Belle Plain ..	1.22	0.70	12	2	..
Milk River ..	0.22	0.07	24	4	1.32
Retrieve ..	1.61	0.81	12	3	..
Hog Hole, S. Man.	1.69	0.82	12	5	..
Stone's Hope ..	1.27	0.57	12	5	2.03
Newport, Man. ..	1.13	0.29	12	10	2.45

Station.	February, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In			In.
Great Valley, Man.	0.54	0.30	12	3	2.26
Alligator Pond ..	0.00	..	..	0	1.06
Fairfield ..	0.97	0.54	4	0	2.36
Lititz ..	1.27	0.72	12	5	1.58
Myersville ..	0.20	0.10	4	3	..
Gilnock ..	2.88	1.55	3	8	..
Southfield, St. Eliz.	0.87	0.42	12	5	1.98
Bethlehem, St. Eliz.	0.66	0.27	3	9	.26
Torrington ..	0.82	0.56	12	4	2.2
Santa Cruz ..	2.64	1.04	3	6	2.33
Pedro Plains ..	1.06	0.80	12	4	1.08
Mountainside ..	1.60	0.75	3	4	..
Fort Charles ..	0.87	0.57	12	5	..
Black River ..	1.45	0.68	12	5	1.69
Font Hill ..	1.10	0.50	13	3	1.48
Mount Edgecombe	1.96	0.57	10	7	2.40
Sweet River ..	0.55	0.35	7	2	2.77
Sav.-la-Mar ..	0.37	0.10	7	4	2.10
Orchard ..	..	..	..	..	2.27
Little London ..	1.31	0.90	4	3	..
Retreat ..	0.41	0.28	7	2	2.51
Negril Point L.H. ..	0.29	0.13	7	4	1.74

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	February. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	2.98	5.51	9	10
Northern ..	1.43	2.48	4	6
West-Central ..	1.69	2.69	5	7
Southern ..	1.34	1.57	6	6
The Island means. ..	1.86	3.06	6	7

Shocks of Earthquake in February, 1929.

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—FEBRUARY.

The mean rainfall was again below normal, there being marked deficiency in all the Divisions. No rain was recorded at the following Stations:—Huddersfield, Home Castle, Clarks Town, Green River and Alligator Pond.

Most of this small precipitation appears to have occurred during the first week of the month. The mean number of rainy days was 6, or 1 less than the 33-year average. The greatest number of rainy days was 20 at Pleasant Hill, in St. Thomas.

The greatest total fall for the month was 11.32 inches at Passley Garden, in Portland, and the heaviest fall in 24 hours was 3.58 inches at Garlands, in St. James, on the 7th.

The Mean Rainfall in each parish is given below:—

		Inches.			Inches.
Kingston	..	0.44	St. James	..	2.30
St. Andrew	..	1.80	Hanover	..	1.31
St. Thomas	..	2.00	Westmoreland	..	1.30
Portland	..	5.14	St. Elizabeth	..	1.70
St. Mary	..	1.73	Manchester	..	1.34
St. Ann	..	1.75	Clarendon	..	1.14
Trelawny	..	1.43	St. Catherine	..	1.24

City of Kingston.

The total rainfall for February was 0.50 inch, and the 50-year normal is 0.60 inch, or 83% of the normal. There were three rainy days; the 47-year normal being four. The greatest fall in 24 hours was 0.25 inch on 4th. The upper boundary of Kingston had a total fall of 0.46 inch with four rainy days. Rain was observed to north on 13th and 24th, to NE on 7th and 24th, to NNW on 3rd and to SE on 15th. There was a SE rainsquall on 15th.

The mean of the daily miles of wind registered was 206, which is nearly 20% above the 20-year average of 173. The maximum number of miles of wind registered in one day was 451 on 26th, and the minimum 92 on the 3rd. The latter half of the month recorded very much more south-east wind than the earlier half. South-east wind blew early on 5 days, and continued late into the evenings on 12 occasions and was prolonged over night on 25th, 26th, 27th and 28th. Gentle to fresh "northers," of short duration, were felt on 3rd and 11th.

The mean barometric pressure was 29.966 ins., the normal for 33 years being 29.981 ins. Highest barometer reading 30.029 ins. on 22nd at 7 a.m., and the lowest 29.883 ins. on 6th at 7 a.m. (correc. for diur. var.), Mean temperature, based upon four observations per day, was 75.5 degs., and the 33-year normal 75.7 degs. The first half of the month was 1.4 degree below that of the second half. The maximum temp. was below 90 degs. throughout, and the minimum temp. was above 70 degs. on four days. Highest max. temp. 88.1 degs. on 23rd, and the lowest 64.2 degs. on 13th. The mean relative humidity was 76%, or 2% below the 33-year normal. Mean 7 a.m. 83%, and mean 3 p.m. 62%. Lowest 7 a.m. 65% on 27th, and lowest 3 p.m. 50% on 22nd and 25th.

The sky was overcast in the early morning on 3 occasions and in the afternoon on 8 occasions. Haze was observed in the early morning on several days.

The total evaporation for the month of February was 4.98 ins. which is 0.26 inch below the 6-year normal.

Mean number of daily sunshine hours was 7.5.

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 1928, is appended. The extreme maximum temperature was 88.5 degs. on 8th August and on 1st September. The extreme minimum was 61.0 degs. on 5th May. The greatest monthly rainfall was 16.18 ins. in October. The year's rainfall was 49.74 ins., representing 20.45 ins. below the year's 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, March 23rd, 1929.

Corrigenda.—Weather Report for January, 1929, No. 620, page 3, for *December*, 1928 read *January*, 1929. And on page 4 in the Comparative Table read 1929 instead of 1928.

Meteorological Results for the Year 1923.

Morant Point, Jamaica. (Elevations: See Foot Note.)

Month.	Barometer Pressure.		Temperature.						Extremes for Month.			Dewpoint and 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.			
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	%	°	%	Ins.	
January ..	30.040	29.940	77.4	77.4	79.9	80.9	73.6	7.3	82.8	67.1	15.7	68	76	70	70	2.07	12
February ..	.034	.997	77.7	77.5	80.2	81.4	73.7	7.7	83.0	64.8	18.2	67	77	70	70	1.57	9
March ..	.015	.950	78.7	77.6	81.2	82.4	74.6	7.8	84.5	69.1	15.4	70	79	71	70	0.93	9
April ..	29.990	.955	79.3	79.2	82.0	83.3	74.8	8.5	85.0	63.7	21.3	72	80	73	72	2.44	15
May ..	29.949	.917	79.7	79.6	83.0	84.8	73.5	11.3	86.0	61.0	25.0	74	81	74	73	4.77	16
June ..	.966	.939	81.5	81.5	83.3	85.3	78.0	7.3	86.6	70.0	16.6	75	82	74	77	2.20	10
July ..	30.000	.973	82.0	81.9	84.0	85.5	78.6	6.9	87.0	72.6	14.4	76	81	75	76	2.10	10
August ..	29.966	.941	82.3	82.4	85.0	86.5	77.4	9.1	88.5	72.2	16.3	74	76	77	76	6.00	16
September ..	.916	.876	82.5	82.6	84.6	86.4	77.4	9.0	88.5	72.1	16.4	76	81	76	77	6.86	21
October ..	.921	.828	80.9	81.4	83.4	85.2	75.7	9.5	86.9	69.0	17.9	75	82	75	78	16.18	21
November ..	.940	.903	79.6	79.6	82.4	83.6	75.0	8.6	85.7	69.0	16.7	74	82	74	77	2.03	13
December ..	29.987	29.951	78.2	78.2	80.5	81.7	74.6	7.1	83.0	71.0	12.0	71	79	71	75	2.59	13
Means ..	29.977	29.931	80.0	79.9	82.5	83.9	75.6	8.3	85.6	68.5	17.1	71	80	73	74	..	..
Totals ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49.74	165

Barometer pressure reduced to the Standards of Kew, 32 degrees, Gravity at Lat. 45° and to Mean Sea Level. The 75th 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 ground 18 ft.

MORANT POINT, 1928—MEAN RESULTS, *contd.*

Month.	Wind Miles per diem.	Wind from and Miles		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.	7 a.m.	3 p.m.	
January	328	N.N.E.17.0	N.N.E.16.0	2.8	1.2	2.1	3.2	0.3	0.3	Rain 12 days, Overcast 7 days, Clegr blue sky 1 day. NE. Gale 6 and 7th, Norther 29th and 30th.
February	306	N.E. 14.5	N.E. 14.0	2.6	1.4	1.7	3.3	0.2	0.1	Rain 9 days, Overcast 4 days, Clear blue sky 1 day.
March	297	E.N.E. 15.0	E.N.E. 15.0	2.0	1.1	2.7	3.0	0.4	0.6	Rain 9 days, Overcast 7 days.
April	308	E.N.E. 15	E.N.E. 13.0	2.6	1.4	2.3	2.8	0.2	0.5	Rain 15 days, Overcast 2, Clear blue sky 3, NE Gale on 5th.
May	247	EN.E. 11.0	E. 11.0	2.8	2.0	2.5	2.4	1.0	1.4	Rain 16 days, Overcast 6 days, Clear blue sky 2 days
June	300	E. 16.0	E. 14.0	2.2	2.1	1.6	1.3	1.5	2.9	Rain 10 days, Overcast 7, Clear blue sky 1 day, Thunderstorm 3 days.
July	332	E.N.E. 17.5	E.N.E. 16.0	1.1	1.6	1.8	2.2	2.6	2.9	Rain 10 days, Overcast 5 days, Thunderstorm 3 days
August	260	N.E. 13.0	E.N.E. 11.0	2.1	2.1	1.7	2.1	2.2	1.9	Rain 16 days, Overcast 4, Clear blue sky 2 days, Thunderstorm 3, Line Squall 13th, E. Gale 14th and 15th.
September	277	N.E. 12.5	E.N.E. 11.0	2.8	3.3	1.7	1.6	2.4	2.0	Rain 21 days, Overcast 4, Clean blue sky 1, Thunderstorm 2.
October	235	N.E. 11.0	N.E. 10.0	2.2	1.9	1.9	2.2	2.3	2.1	Rain 21 days, Overcast 5 days, Thunderstorm 5 days.
November	486	N.N.E.18.0	N.N.E. 19.0	3.4	2.2	2.4	1.8	0.9	1.3	Rain 13 days, Overcast 7, Norther 12, 13, 14, 15, 16, 23, 24, and 25th.
December	326	N.N.E.16.0	N.N.E. 13.0	1.5	1.3	2.7	2.9	0.7	0.6	Rain 13 days, Overcast 2 days.
Means	309	N.E.bE.15.0	N.E.bE. 14.0	2.3	1.8	2.1	2.4	1.2	1.4	Rainfall 20.45 ins. below 50-year normal.

No. 622.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

MARCH, 1929.

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	30.003	29.971	76.9	80.8	82.0	73.6	8.4	83.9	25	66.0	10	17.9
Kingston	24	29.979	29.926	70.7	83.3	85.4	69.1	16.3	87.9	30	66.3	30	21.6
Negril Point Light House	33	29.984	29.940	71.5	82.8	86.5	69.3	17.2	91.1	11	65.4	4	25.7
Castleton Gardens	496	..	..	65.6	82.3	84.5	64.6	19.9	90.0	4	60.0	2*	30.0
Hope Gardens†	668	30.000	29.916	68.0	81.6	85.4	65.9	19.5	88.0	27	64.0	1*	24.0
Stony Hill Indus. School	1,400	..	..	66.4	71.3	78.9	63.6	15.3	82.0	2	61.0	15*	21.0
Hill Gardens	4,900	25.294	25.230	61.4	63.6	67.7	54.0	13.7	70.0	5*	51.0	2	19.0

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	71	81	72	75	4.57	283	ENE	14.0	ENE	11.5	2.1	2.9	0.4	0.9	3.8	0.2
Kingston ..	24	65	82	70	64	0.39	210	NNE	4.6	SE	15.8	1.3	0.4	0.5	2.8	3.7	0.5
Negril Point Light House	33	67	85	72	71	6.81	216	NE	7.8	SE	13.0	0.9	1.5	0.5	3.8	3.0	0.3
Castleton Gardens ..	496	64	95	72	72	5.19	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	62	79	64	54	0.91	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	2.66	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	90	61	89	4.31	..	..	..	..	..	..	..	..	..	..	..

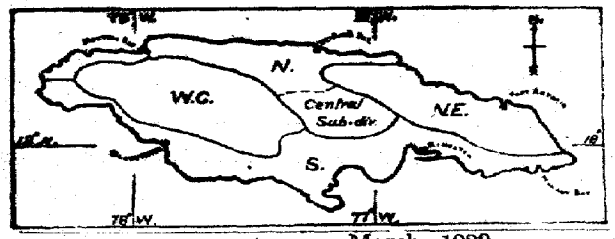
* And on other days. † Hope Gardens Bar., read at 9 a.m and 3 p.m.

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.	March, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
North-Eastern Division. (N.E.)	In.	In.			In.
Manchioneal ..	8.07	5.00	7	9	3.16
Priestman's River ..	9.08	4.05	7	16	..
Fairy Hill ..	7.50	4.00	7	11	..
Bath ..	8.65	1.50	7	19	3.98
Millbank ..	15.92	5.39	12	16	..
Moore Town ..	22.55	7.20	12	15	9.78
Port Antonio ..	12.71	2.94	13	11	4.76
Passley Garden ..	26.22	2.51	14	22	..
Fellowship ..	10.99	2.70	12	18	7.31
Johnson River Br. ..	5.51	1.30	12	16	2.32
Trinity Ville ..	9.53	3.50	8	11	..
Shrewsbury ..	13.95	4.08	13	12	8.52
Hope Bay ..	17.53	6.38	13	10	..
Cedar Valley ..	7.68	2.60	8	9	3.07
Moy Hall ..	5.16	1.05	7	12	..
Paradise ..	14.20	5.00	13	12	..
Lennox ..	16.65	5.80	12	10	..
Greenvale ..	12.71	6.72	12	13	..
Spring Garden ..	11.15	4.82	13	10	5.32
Hill Gardens ..	4.31	1.50	12	12	4.88
Buff Bay ..	11.16	4.85	12	11	5.54
Orange Vale ..	16.87	8.30	12	12	..
Belvedere, Portland	8.85	5.00	13	4	..
Windsor Castle do	9.74	4.50	12	5	5.80
Balcarres ..	11.69	7.30	12	7	..
Mt. Holstein ..	8.95	3.82	12	13	8.09
Cedar Hurst ..	4.44	1.42	12	15	..
Hardware Gap ..	4.00	1.40	12	8	4.21
Rose Hill ..	3.81	1.04	27	10	4.80
Hermitage ..	4.58	2.04	6	11	..
Stony Hill Ind. Schl.	2.66	0.61	8	8	3.10
Iter Boreale ..	8.23	6.03	12	8	..
Enfield	11.59	6.38	12	12	..
North-Eastern Division, *contd.*	In.	In.			In.
Agualta Vale ..	7.90	3.50	12	11	4.40
Castleton Gardens	5.19	1.95	12	13	4.87
Water Valley ..	7.00	4.25	12	9	4.25
Albany ..	8.94	3.04	12	12	..
Lawrence Tavern ..	5.44	2.00	17	10	3.06
Richmond, St. Mary	7.11	2.85	11	11	3.63
Quebec, St. Mary ..	6.01	2.41	13	6	3.02
Zion Hill ..	1.23	0.40	16	6	..
Carew Castle ..	6.04	1.34	12	11	3.20
Hampstead, St. Mary	8.90	2.37	12	11	5.08
Windsor Castle do	7.41	2.60	12	13	..
Troja ..	15.56	9.92	12	12	..
Pear Tree Grove ..	10.10	5.00	12	9	..
Guy's Hill ..	6.88	4.00	8	7	..
Lucky Hill ..	5.29	1.85	12	14	2.93
Rio Hoe ..	11.40	4.15	7	10	3.55
Unity Valley ..	14.08	4.59	7	13	3.57
Moneague ..	14.31	5.57	8	13	3.10
Claremont ..	8.37	2.98	7	7	3.27
Averham Park ..	8.34	3.00	7	10	3.72
Albion ..	10.44	2.83	12	17	3.53
Northern Division (N).					
Port Maria ..	6.52	2.55	12	8	3.16
Eden Park ..	3.74	1.94	12	11	..
Oracabessa ..	3.25	2.00	12	4	..
New Ramble ..	4.50	1.20	12	10	4.70
Huddersfield ..	3.97	3.11	12	3	..
Ocho Rios ..	2.36	0.71	6	6	2.89
Bogue, Ocho Rios ..	2.60	0.92	12	6	4.12
Drax Hall ..	3.66	1.28	12	10	3.24
Rockfield ..	5.42	1.47	12	10	4.22
Liberty Hill ..	3.17	1.32	12	9	4.39
St. Ann's Bay ..	3.49	0.95	12	11	2.85
Seville ..	3.75	1.12	12	8	3.15
Richmond Estate ..	3.14	1.05	12	7	2.79
Llandovery ..	4.88	2.00	7	5	2.95
Runaway Bay ..	1.85	0.60	9	9	..
Knapdale ..	5.28	2.23	12	10	..
Alexandria ..	5.41	2.30	7	9	..
Bell-Air ..	2.70	0.90	12	9	..
Brown's Town ..	7.51	3.82	12	13	3.08
Watt Town, St. Ann	3.10	1.00	8	6	..
Home Castle ..	3.95	2.30	12	5	2.68
Richmond Pen ..	1.77	0.50	6	9	2.52
Bryan Castle ..	2.80	0.80	17	6	2.08
Braco ..	2.15	0.70	17	11	1.72
Arcadia ..	3.04	1.30	12	9	2.08
Vale Royal ..	3.72	1.67	12	10	..
Harmony Hall ..	3.25	0.80	17	9	1.97
Colchis Pen ..	3.92	1.12	9	6	1.95
Duncans ..	3.15	0.70	12	9	..
Clark's Town ..	6.75	2.80	12	7	..
Carey Park ..	2.90	0.66	12	10	..
Falmouth ..	1.93	0.87	5	7	1.74
Canaan ..	2.63	0.76	6	6	2.44
Grange ..	3.10	1.00	11	4	..
Success ..	2.55	1.05	6	3	1.83

Station.	March, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Northern Division, *contd.*	In.	In.			In.
Rose Hall ..	2.30	1.20	6	4	1.67
Cinnamon Hill ..	2.17	1.05	6	4	1.77
Tryall ..	2.60	1.00	17	5	1.65
Running Gut ..	1.60	0.80	6	4	1.63
Spring Estate ..	2.53	1.10	17	5	1.56
Friendship ..	1.97	1.50	17	5	..
Retirement ..	1.96	0.99	17	7	3.25
Belfield ..	1.66	1.05	17	6	2.85
Montego Bay ..	1.64	0.52	17	6	1.09
Anchovy ..	0.40	0.12	17	5	2.81
Bamboo–Hanover ..	1.36	0.60	7	6	..
Blue Hole ..	1.46	0.80	19	4	..
Kew ..	1.80	0.80	19	5	3.30
Lucea ..	2.14	0.80	3	7	2.37
Haughton Court ..	1.70	0.60	17	5	2.17
Cousins Cove ..	..	..	..	..	..
Green River ..	6.43	2.36	16	12	..
Green Island ..	7.96	2.31	16	12	..
Haughton Hall ..	5.38	2.23	16	15	..
Central Sub-Division.					
Knollis ..	8.82	1.75	16	11	..
Highgate ..	6.97	1.21	8	15	..
Rio Magno ..	10.32	4.42	12	13	..
Riversdale ..	8.20	1.90	16	8	..
Headworks, R.C.C.	2.60	0.90	16	4	2.93
Bog Walk ..	10.01	1.50	6	10	..
Linstead ..	6.00	1.59	15	16	3.06
Cave Valley ..	6 83	2.60	7	9	2.77
Guanaboa Vale ..	3.60	1.06	8	8	..
Point Hill ..	6.37	2.50	10	11	4.88
Bellas Gate ..	4.85	2.17	8	6	..
Rock River ..	2.81	0.58	10	11	..
Crofts Hill ..	6.05	1.75	8	9	3.07
Suttons ..	..	..	..	..	..
Chapelton ..	2.74	0.80	10	8	2.83
Crooked River ..	1.93	0.37	6	10	..
Trout Hall ..	4.41	1.00	11	9	3.97
James Hill ..	..	..	..	..	..
Frankfield ..	2.99	1.00	6	13	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	3.10	0.72	6	10	3.67
Clarendon Park ..	1.83	0.85	5	8	..
Spaldings ..	2.40	0.51	6	14	..
Williamsfield ..	2.74	0.71	7	11	..
Brokenhurst ..	2.27	0.49	26	10	3.25
Shooters Hill ..	2.77	0.75	7	9	3.34
Lowe River ..	2.85	0.51	16	7	5.82
Christiana ..	3.37	1.46	7	13	4.84
Clifton Hill ..	1.03	0.25	27	7	..
Kendal, Manchester	2.93	1.26	7	10	3.67
Mereworth ..	3.06	0.75	26	11	..
Mandeville ..	0.63	0.27	27	3	4.57
Ulster Spring ..	3.50	1.50	8	10	3.80
Marshalls' Pen ..	0.99	0.36	7	6	4.38
Greenvale ..	..	..	..	..	..
Albert Town ..	2.60	1.30	8	5	8.48
Warsop ..	2.43	0.85	8	10	..

Station.	March, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
West-Central Division, *contd.*	In.	In.			In.
Troy ..	1.90	1.50	20	3	5.58
Wallingford ..	1.09	0.70	9	6	5.32
Balaclava ..	2.49	1.30	9	5	4.89
Appleton ..	..	..	..	..	..
Deeside ..	2.26	0.79	6	6	..
Maggotty ..	5.96	2.25	31	8	5.98
Lacovia ..	2.15	1.17	26	4	..
Ipswich ..	2.63	1.31	18	7	..
Kempshot ..	2.38	0.95	9	3	3.12
Garlands ..	5.31	2.03	9	12	..
Mocho, St. James ..	5.30	1.58	17	14	..
Bandon Pen ..	4.61	1.16	8	3	..
Springfield, St. Eliz.	8.01	2.64	13	9	..
Catadupa ..	4.39	1.39	17	9	4.07
Cambridge, St. Jas.	8.01	2.72	19	10	5.78
New Market ..	7.49	2.00	31	9	6.40
Kew Park ..	7.07	2.43	16	7	4.50
Montpelier ..	4.65	2.00	17	8	..
The Bog ..	7.40	2.83	17	10	7.56
Bethel Town Dist. ..	6.75	2.30	16	6	..
Burnt Ground ..	..	..	..	..	4.55
Haughton Grove ..	5.34	1.10	16	10	4.02
Darliston ..	6.84	1.67	14	16	6.42
Knockalva ..	..	..	..	..	5.54
Ramble ..	..	..	..	..	..
Bluefields ..	..	..	..	..	7.26
Whithorn ..	6.44	1.52	14	14	4.90
Water Works Pen ..	8.22	3.38	17	14	6.50
Askenish ..	..	..	..	..	..
Grange Hill ..	6.15	1.08	8	18	5.31
King's Vale ..	6.10	1.32	16	13	4.61
Southern Division (S.)					
Morant Point L.H.	4.57	1.09	7	17	2.15
Golden Grove ..	4.33	1.70	13	13	..
Pleasant Hill ..	5.08	2.25	13	13	..
Bowden ..	2.78	0.72	12	12	..
East Prospect ..	8.11	2.71	7	19	2.47
Morant Bay ..	3.11	0 53	13	13	1.77
Petersfield ..	11.65	2.00	22	22	..
Aeolus Valley ..	3.47	1.10	6	10	..
Yallahs ..	0.49	0.20	12	3	..
Easington ..	2.05	0.80	6	15	1.41
Norris ..	2.11	0.75	6	6	..
Mavis Bank ..	1.74	0.86	13	4	..
Bull Bay ..	0.10	0.10	27	1	0.46
Bellevue ..	2.57	0.59	10	10	2.77
Gordon Town ..	1.05	0.24	6	7	1.73
Irish Town ..	2.83	0.95	6	7	2.30
Hope Gardens ..	0.91	0.25	6	7	2.02
Ivor ..	2.45	0.76	6	5	..
Plumb Point L.H. ..	0.17	0.08	22	3	0.96
King's House Gar. ..	0.80	0.50	13	2	1.57
Upper Kingston ..	1.04	0.60	6	5	0.76
Kingston P.W.O. ..	0.39	0.24	6	5	1.02
Halfway Tree ..	0.51	0.22	13	4	1.29
Elsdene ..	0.32	0 12	26	5	..
Clifton Pen ..	0.57	0.40	27	3	1.25

Station.	March, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	0.00	..	..	..	0.96
Hematine ..	1.48	0.51	6	8	..
Spanish Town ..	1.88	0.66	8	8	2.04
The Stewartry ..	6.45	4.22	8	10	..
Hog Hole, St. Cath.	6.47	5.20	8	6	2.11
Hartlands ..	1.03	0.60	29	3	1.85
Amity Hall ..	1.57	0.88	9	4	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	2.28	0.90	13	5	2.54
May Pen ..	4.46	1.83	7	10	2.67
Glen Muir ..	1.25	0.75	27	2	..
Dry River, Vere ..	..	..	..	..	1.79
Cottage ..	1.03	0.38	24	6	..
Belle Plain ..	2.27	0.67	9	8	..
Milk River ..	0.69	0.60	10	2	1.90
Retrieve ..	1.63	0.50	6	5	..
Hog Hole, S. Man.	1.61	0.68	5	4	..
Stone's Hope ..	2.12	1.06	10	3	2.84
Newport, Man. ..	1.96	0.37	12	11	3.37

Station.	March, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In			In.
Great Valley, Man.	1.64	0.75	29	5	2.57
Alligator Pond ..	0.50	0.40	10	2	1.86
Fairfield ..	1.63	0.43	10	14	4.06
Lititz ..	1.91	1.32	10	5	2.45
Myersville ..	0.38	0.26	29	3	..
Gilnock ..	0.96	0.46	10	4	..
Southfield, St. Eliz.	1.30	0.59	29	4	2.57
Bethlehem, St. Eliz.	2.32	1.02	31	7	4.19
Torrington ..	1.49	0.40	29	6	3.50
Santa Cruz ..	2.08	1.38	26	6	4.70
Pedro Plains ..	0.51	0.51	29	1	1.77
Mountainside ..	0.97	0.75	29	2	..
Fort Charles ..	0.80	0.80	29	1	..
Black River ..	1.01	0.43	31	6	.64
Font Hill ..	1.85	0.80	31	5	3.69
Mount Edgecombe	4.82	1.42	27	12	4.04
Sweet River ..	2.84	0.95	17	13	3.50
Sav.-la-Mar ..	2.49	0.54	18	13	2.78
Orchard ..	..	..	..	..	4.41
Little London ..	3.08	0.68	27	11	..
Retreat ..	5.74	2.22	16	9	3.57
Negril Point L.H. ..	6.84	2.47	16	12	2.59

Notes

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	March. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	8.77	4.68	11	9
Northern ..	3.33	2.42	8	6
West-Central ..	4.32	4.34	9	9
Southern ..	2.23	2.25	7	6
The Island means. ..	4.66	3.42	9	8

Shocks of Earthquake in March, 1929.

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—March.

The mean rainfall was much above the average. The North-Eastern Division had nearly double, the Northern Division considerably more than the average, while the West-Central and Southern Divisions were up to the average.

While the greatest precipitation appears to have occurred between the 6th and 17th and particularly on the 12th, the rainfall was well distributed, the mean number of rainy days being 9, or 1 more than the average, the greatest number being 22 at Passley Garden in Portland.

The greatest total fall for the month was 22.55 inches at Passley Garden and the heaviest fall in 24 hours was 9.92 inches at Troja in St. Catherine on the 12th.

No rain was recorded at the Quarantine Station in St. Catherine.

The mean rainfall in each parish is shewn below:—

	Inches.		Inches.
Kingston	0.53	St. James ..	3.09
St. Andrew	2.27	Hanover ..	3.73
St. Thomas	5.27	Westmoreland ..	5.78
Portland	12.91	St. Elizabeth ..	2.50
St. Mary	6.59	Manchester ..	1.93
St. Ann	5.74	Clarendon ..	2.71
Trelawny	3.03	St. Catherine ..	5.60

The total rainfall for the first Quarter of the year is given below and shows a deficiency of 1.13 inches as compared with the 50-year average:—

	1928 Inches.	50-year Average.
January	2.93	4.10
February	1.86	3.06
March	4.66	3.42
Total	9.45	10,58

Sunshine Hours.

The following figures give the mean daily sunshine hours for each month of the year, 1928, for Kingston, as derived from the electrically-operated Sunshine Recorder, installed above the roof roof of the Public Works' Building in Port Royal Street, and loaned by the United States Weather Bureau.

January	6.4	July	7.9
February	5.3	August	6.9
March	8.7	September ..	7.0
April	7.3	October	6.8
May	6.6	November ..	7.2
June	7.8	December ..	7.1

The average daily sunshine hours for the year is 7.1, or nearly 76% of the possible sunshine. The sunniest month occurs in March, similar to that of year 1927.

City of Kingston.

The total rainfall for March was only 0.39 inch, or a little over one-third that of the 50-year normal of 1.02 inch, but with five rainy days the 47 year normal shewing four days. The greatest fall in 24 hours was 0.24 inch on 6th. Rain was observed on the nearby hills and lower St. Andrew to north on 13th and 27th, to N.E. on 6th and 27th and to N.W. on 12th and 13th. The total rain for the upper boundary of Kingston was 1.04 inch with 4 rainy days..

The mean of the daily miles of wind registered was 210 as against the 20-year normal of 185, or 14% in excess. Maximum number of miles of wind in one day was 395 on 23rd, and minimum 115 on 6th. The prevailing S.E. afternoon wind was somewhat above the normal. Southerly wind blew early on four days (between 2nd and 5th) and continued late into the evenings on 13 occasions. This wind was prolonged over-night on 1st, 22nd and 23rd. S.E. rainsqualls occurring on 12th and 22nd.

Mean barometric pressure was 29.962 ins. the normal being 29.965 ins. Highest barometer reading 30.020 ins. on 22nd at 3 p.m. and lowest 29.880 ins. on 7th at 7 a.m. (correc. for diur. var.) Mean temperature, based upon four observations per day was 76.6 degs., the 33-year normal being 76.5 degs. The first half of the month was however, 0.6 deg. below that of the second half.

The maximum temperature registered below 90 degs. throughout, and the minimum temperature above 70 degs. on 8 days. Highest maximum temperature 87.9 degs. on 30th, and lowest minimum temperature 66.3 degs. also on 30th. The mean relative humidity was one per cent. below the 33-year normal. Mean 7 a.m. 82%, and mean 3 p.m. 64%. Lowest 7 a.m. 72% on 31st, and lowest 3 p.m. 50% on 30th.

The sky was overcast in the early forenoon on 8 occasions, and in the afternoon on 19 occasions. Light haze was observed in the early forenoon on many days.

The total evaporation for the month was 5.79 ins., the 6-year normal being 7.36 ins. shewing a deficiency of 1.47 inch.

Mean number of daily sunshine hours was 6.7.

Evaporation.

Attached to this Weather Report is a Table, A, giving the results of the daily observations of the amounts of evaporation for each month for the year 1928, for the City of Kingston. The Evaporimeter continued to be maintained in the same situation as in previous years, from year 1924 (vide W. Report No. 570)). From an inspection of the 1928 Table it will be noted that the maximum evaporation occurred in the month of July, when a total of 9.16 ins. was gauged, representing for this month a daily mean of 0.295 inch. Then the minimum evaporation occurred in the month of November, when a total of 3.58 ins. was recorded, with a daily mean of 0.119 inch, or about 40% that of July.

The total evaporation for the year 1928 amounted to 73.32 ins. which is 1.78 inch below the 5-year normal of 75.10 ins. The general monthly mean gives 6.11 ins., and daily mean 0.200 inch. It may be added that the rain-gauge, which is positioned nearly alongside the Evaporimeter, registered for the year a total of 36.99ins., or about one-half of the evaporation figure.

The maximum evaporation for one day for each month is indicated in bolder-faced type in the respective columns of the Table. It will be seen that the greatest evaporation in a single day for the year 1928 occurred on 2nd August, when 0.43 inch was gauged.

Another Table, B, shewing the evaporation gauged at Negril Point Light House, maintained by Mr. J. S. Brownhill, is appended. From an inspection of the Table it will be seen that the maximum occurred in the month of March, when a total of 7.72 ins. was gauged, representing for this month a daily mean of 0.249 inch. Then the minimum evaporation appears in the month of October, when a total of 5.20 inches was recorded, with a daily mean of 0.168 inch, or about 67% that of March.

The total evaporation for the year 1928 amounted to 80.86 ins., or 7.54 ins. more than the Kingston total. The general monthly mean gives 6.74 ins., and a daily mean of of 0.221 inch. It may be mentioned that the rain-gauge which is situated in the vicinity of the Evaporimeter registered a total for the year of 35.73 ins. or less than one-half of the evaporation figure.

It will be found that the maximum evaporation for one day, for each monthe is indicated in bolder-faced type in the respective columns of the Table. It will be seen that the greatest evaporation for a single day, for the year 1928, occurred on 12th March also on 10th August, when 0.40 inch was gauged.

Observations are being continued at both Stations in the year 1929.

J. F. Brennan,
Government Meteorologist.

Kingston, April 16, 1929.

Corrigendum.

Weather Report for February, 1929, No. 621, Page 2 Canaan—Total Fall for 2.34 read 3.34.

TABLE A.—YEAR 1928.

Daily Record of Evaporation in inches for the year 1928, at Kingston. Evaporimeter 6 inches above Ground and 102 feet above Sea Level—(148½ East Street).

Date.	Jan.	Feb.	Mar.	Apl.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.14	0.15	0.13	0.21	0.28	0.20	0.23	0.38	0.21	0.16	0.10	0.12
2	0.15	0.17	0.17	0.11	0.20	0.32	0.27	**0.43**	0.14	0.02	**0.18**	0.12
3	0.09	0.12	0.17	0.19	0.24	0.34	0.26	0.23	0.06	0.10	0.05	0.09
4	0.13	0.17	0.20	0.06	0.24	0.33	0.27	0.25	**0.29**	0.04	0.15	0.14
5	0.09	0.16	0.14	0.13	0.29	0.18	0.19	0.27	0.06	0.13	0.08	0.15
6	0.14	0.10	0.20	0.17	0.30	0.14	0.06	0.42	0.24	0.16	0.09	0.15
7	0.16	0.15	0.15	0.30	0.32	0.24	**0.38**	0.34	0.24	0.16	0.12	0.17
8	0.15	0.14	0.19	0.16	0.29	0.18	0.34	0.37	0.20	0.13	0.09	0.21
9	0.14	0.14	0.25	0.26	0.33	0.27	0.32	0.39	0,18	0.10	0.11	0.15
10	0.16	0.17	0.19	0.31	0.33	0.27	0.25	0.22	0.19	**0.26**	0.15	0.17
11	0.15	0.07	0.23	0.24	0.31	0.29	0.31	0.05	0.06	0.12	0.13	**0.24**
12	0.16	0.17	**0.28**	0.27	0.27	0 37	0 24	0.10	0.20	0.14	0.14	0.23
13	0.09	0.21	**0.28**	0.25	0.18	**0.38**	0.32	0.34	0.23	0.08	0.14	0.14
14	0.19	0.23	0.19	0.24	0.20	0.35	0.32	0.09	0.17	0.17	0.13	0.08
15	0.13	0.14	0.17	0.27	0.10	0.25	0.22	0.14	0.08	0.09	0.16	**0.20**
16	0.18	0.16	0.20	0.30	0.16	0.27	0.33	0.19	0.24	0.11	0.11	0.16
17	0.08	0.24	**0.28**	0.27	0.14	0.33	0.37	0.09	0.16	0.18	0.11	0.12
18	0.15	0.17	0.17	0.17	0.20	0.20	0.36	0.33	0.12	0.08	0.14	0.15
19	0.14	0.24	0.16	0.25	0.18	0 36	0.33	0.16	0.25	0.16	0.12	0.14
20	0.17	0.14	0.23	0.36	0.14	0.25	0.38	0.03	0.17	0.18	**0.18**	0.09
21	0.16	0.20	0.08	**0.41**	0.26	0.32	0.32	0.34	0.10	0.12	0.13	0.20
22	0.15	0.25	0.16	0.39	0.31	0.34	0.32	0.30	0.14	0.12	**0.18**	0.10
23	0.18	**0.32**	0.25	**0.41**	0.30	0.37	0.30	0 16	0.16	0.13	0.12	0.07
24	0.16	0.31	0.21	0.40	0.20	0.37	0.34	0.27	0 17	0 16	0.13	0.15
25	0.15	0.24	0.23	0.26	0.21	0.31	0.33	0.25	0.13	0.12	0.11	0.17
26	0.18	0.19	**0.28**	0.23	0.31	0.33	0.24	0.11	0.05	0.15	0.02	0.13
27	0.12	0.14	0.26	0.38	0.31	0.27	0.35	0.29	0.17	0.02	0.08	0.15
28	**0.20**	0.13	0.21	0.37	0.32	0.23	0.36	0.24	0.15	0.08	0.05	0.04
29	0.14	0.16	0.22	0.28	**0.34**	0.12	0.37	0.20	0.15	0.18	0.12	0.15
30	0.13	..	0.26	0.08	0.33	0.07	0.18	0.32	0.11	0.09	0.16	0.17
31	0.16	..	0.21	..	0.29	..	0.30	0.23	..	0.12	..	0.11
Total ..	4.52	5.18	6.35	7.73	7.88	8.25	9.16	7.53	4.82	3.86	3.58	4.46
Means ..	0.146	0.179	0.205	0.258	0.256	0.275	0.295	0.243	0.161	0.125	0.119	0.144

Total Evaporation for the Year 1928, 73.32 inches.

TABLE B.—YEAR 1928.

Daily Record of Evaporation in inches for the year 1928 at Negril Point. Evaporimeter 4 inches above Ground and 27 feet above Sea Level.

Date.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.25	0.21	0.22	0.27	0.21	0.23	0.18	0.26	0.25	0.18	0.21	0.14
2	0.33	0.20	0.31	0.05	0.16	0.19	0.11	0.20	0.27	0.14	0.20	0.14
3	0.16	0.23	0.20	0.19	0.27	0.28	0.21	0.32	0.16	0.12	0.09	0.14
4	0.20	0.18	0.22	0.10	0.30	0.28	0.21	0.09	0.26	0.17	0.18	0.21
5	0.14	0.21	0.10	0.32	0.32	0.33	0.19	0.29	0.23	0.21	0.06	0.20
6	0.24	0.19	0.31	0.28	0.31	0.05	0.23	0.30	0.20	0.19	0.15	0.23
7	0.26	0.30	0.18	0.26	0.25	0.25	0.15	0.21	0.31	0.27	0.18	0.22
8	0.20	0.20	0.27	0.20	0.17	0.23	0.15	0.30	0.20	0.17	0.19	0.26
9	0.16	0.22	0.33	0.21	0.28	0.31	0.22	0.27	0.22	0.21	0.21	0.25
10	0.28	0.25	0.18	0.28	0.25	0.21	0.14	0.40	0.25	0.12	10.0	0.23
11	0.31	0.19	0.29	0.26	0.31	0.20	0.13	0.34	0.26	0.17	0.23	0.18
12	0.19	0.18	0.40	0.07	0.19	0.26	0.26	0.21	0.27	0.17	0.19	0.25
13	0.11	0.28	0.26	0.23	0.22	0.28	0.23	0.17	0.17	0.16	0.30	0.22
14	0.22	0.28	0.20	0.15	0.17	0.27	0.18	0.35	0.24	0.17	0.35	0.29
15	0.31	0.28	0.19	0.27	0.07	0.25	0.16	0.02	0.28	0.12	0.32	0.19
16	0.22	0.31	0.34	0.20	0.24	0.22	0.15	0.26	0.30	0.13	0.24	0.15
17	0.21	0.30	0.36	0.20	0.13	0.20	0.29	0.32	0.33	0.10	0.24	0.22
18	0.10	0.19	0.22	0.30	0.22	0.05	0.19	0.15	0.32	0.22	0.21	0.20
19	0.16	0.26	0.06	0.10	0.21	0.33	0.24	0.12	0.29	0.26	0.13	0.18
20	0.31	0.16	0.32	0.32	0.22	0.14	0.29	0.18	0.31	0.25	0.30	0.24
21	0.19	0.30	0.34	0.23	0.21	0.25	0.27	0.24	0.25	0.15	0.27	0.28
22	0.30	0.25	0.35	0.33	0.23	0.26	0.26	0.19	0.22	0.19	0.24	0.17
23	0.18	0.28	0.33	0.32	0.28	0.33	0.14	0.17	0.33	0.24	0.33	0.17
24	0.21	0.27	0.28	0.30	0.10	0.29	0.28	0.24	0.28	0.19	0.32	0.22
25	0.27	0.20	0.19	0.22	0.12	0.21	0.22	0.15	0.23	0.13	0.15	0.15
26	0.16	0.33	0.13	0.13	0.13	0.20	0.15	0.22	0.27	0.14	0.23	0.16
27	0.23	0.22	0.31	0.22	0.26	0.23	0.22	0.12	0.25	0.19	0.15	0.22
28	0.34	0.31	0.16	0.31	0.25	0.15	0.20	0.25	0.25	0.09	0.12	0.31
29	0.32	0.16	0.19	0.18	0.24	0.28	0.21	0.25	0.19	0.10	0.16	0.24
30	0.22	..	0.27	0.11	0.34	0.21	0.09	0.24	0.23	0.18	0.22	0.20
31	0.21	..	0.21	..	0.32	..	0.21	0.28	..	0.07	..	0.12
Totals ..	6.99	6.94	7.72	6.61	6.98	6.96	6.16	7.05	7.62	5.20	6.27	6.36
Means ..	0.225	0.239	0.249	0.220	0.225	0.232	0.199	0.227	0.254	0.168	0.209	0.205

Total Evaporation for the Year 1928—80.86 inches.

No. 623.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

APRIL, 1929.

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	29.998	29.964	77.8	81.7	83.1	73.5	9.6	84.9	18	64.9	23	20.0
Kingston	24	29.981	29.929	73.0	82.9	85.7	69.9	15.8	91.0	25	65.1	6	25.9
Negril Point Light House	33	29.982	29.940	74.6	82.1	85.5	70.2	15.3	90.3	25	64.0	5	26.3
Castleton Gardens	496	..	..	67.5	79.4	84.0	66.5	17.5	88.0	19*	61.0	10	27.0
Hope Gardens†	668	29.984	29.909	69.1	78.5	83.9	65.1	18.8	88.0	19	62.0	12	26.0
Stony Hill Indus. School	1,400	..	..	67.5	77.8	79.2	65.8	13.4	81.0	1*	64.0	1*	17.0
Hill Gardens	4,900	25.266	25.249	60.9	62.5	66.5	53.9	12.6	70.0	25	51.0	8	19.0

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	71	80	73	74	1.42	242	ENE	12.0	E	10.0	1.4	2.9	0.4	0.4	2.7	0.7
Kingston ..	24	67	82	70	65	0.14	188	NE	4.2	SE	15.1	1.8	0.9	0.7	4.3	3.5	0.4
Negril Point Light House	33	69	83	72	71	2.57	226	ENE	7.7	SE	9.8	0.5	0.9	1.4	4.2	2.7	0.3
Castleton Gardens ..	496	65	95	73	82	4.59	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	62	77	66	66	3.10	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	4.31	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	88	59	92	2.14	..	..	..	..	..	..	..	..	..	..	..

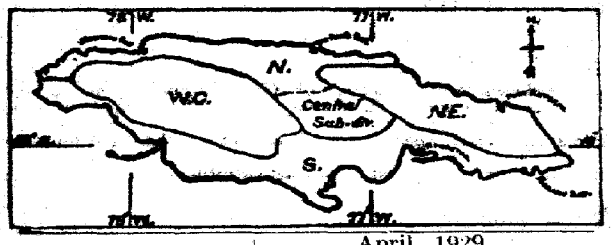
* And on other days. † Hope Gardens Bar., read at 9 a.m and 3 p.m.

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.	April, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal ..	4.83	1.80	1	7	7.87
Priestman's River ..	11.45	0.80	6	11	..
Fairy Hill ..	..	..	..	..	..
Bath ..	3.32	0.70	7	14	6.76
Millbank ..	13.33	2.94	7	11	..
Moore Town ..	10.75	1.60	7	15	11.76
Port Antonio ..	2.76	0.65	5	9	6.85
Passley Garden ..	8.62	1.53	7	14	..
Fellowship ..	7.52	1.32	7	12	10.29
Johnson River Br. ..	2.83	1.18	16	8	4.85
Trinity Ville ..	3.19	1.10	24	8	..
Shrewsbury ..	7.35	2.10	25	10	10.30
Hope Bay ..	3.60	1.37	7	9	..
Cedar Valley ..	2.05	0.75	7	4	4.54
Moy Hall ..	1.63	0.56	7	6	3.97
Paradise ..	7.45	1.82	25	9	..
Lennox ..	4.00	1.45	25	9	..
Greenvale ..	8.87	1.66	1	12	10.01
Spring Garden ..	3.24	1.30	7	6	6.79
Hill Gardens ..	2.14	0.69	1	9	5.98
Buff Bay ..	4.54	1.55	7	7	7.06
Orange Vale ..	7.62	1.15	7	12	..
Belvedere, Portland	4.66	2.24	18	6	
Windsor Castle do	4.19	1.85	7	5	6.03
Balcarres ..	9.63	2.53	2	9	..
Mt. Holstein ..	11.83	2.91	1	14	6.91
Cedar Hurst ..	4.32	0.90	13	13	..
Hardware Gap ..	4.15	2.40	12	5	6.89
Rose Hill ..	9.53	3.29	12	10	8.62
Hermitage ..	2.65	1.49	13	9	..
Stony Hill Ind. Schl.	4.31	2.35	13	11	5.49
Iter Boreale ..	4.85	3.30	8	4	..
Enfield ..	3.27	0.50	7	11	..

STATION.	April, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale ..	2.72	1.44	7	7	5.34
Castleton Gardens	4.59	1.00	13	14	6.61
Water Valley ..	4.70	1.32	7	9	4.96
Albany ..	4.47	1.63	7	10	..
Lawrence Tavern ..	4.65	1.20	14	10	4.65
Richmond, St. Mary	3.50	0.90	7	13	4.95
Quebec, St. Mary ..	3.27	0.95	1	8	3.84
Zion Hill ..	4.45	3.50	17	5	..
Carew Castle ..	8.61	4.44	17	9	5.06
Hampstead, St. Mary	5.06	1.80	6	13	6.51
Windsor Castle do	3.95	1.30	6	9	..
Troja ..	1.75	0.39	6	7	..
Pear Tree Grove ..	2.10	0.72	8	7	..
Guy's Hill ..	1.80	0.90	5	2	..
Lucky Hill ..	2.78	0.73	6	12	6.01
Rio Hoe ..	2.97	0.60	7	10	4.62
Unity Valley ..	3.76	1.06	18	12	5.01
Moneague ..	3.33	0.72	18	11	4.69
Claremont ..	3.08	0.95	18	4	4.17
Averham Park ..	4.15	1.45	18	11	5.00
Albion ..	2.72	0.85	18	10	4.65
NORTHERN DIVISION (N).					
Port Maria ..	1.37	0.61	7	5	4.36
Eden Park ..	2.95	0.72	24	8	..
Oracabessa ..	2.74	0.80	24	7	..
New Ramble ..	3.72	1.16	7	8	2.92
Huddersfield ..	3.90	1.00	24	5	..
Ocho Rios ..	1.83	0.40	19	5	3.90
Bogue, Ocho Rios ..	3.66	1.50	8	11	6.27
Drax Hall ..	3.65	1.70	18	8	3.77
Rockfield ..	3.43	1.33	18	9	6.52
Liberty Hill ..	3.60	1.35	18	7	5.10
St. Ann's Bay ..	2.47	1.20	18	7	4.16
Seville ..	2.18	1.18	8	3	3.79
Richmond Estate ..	1.85	0.72	18	6	3.95
Llandovery ..	2.35	0.90	7	6	3.73
Runaway Bay ..	0.45	0.26	18	4	..
Knapdale ..	2.83	1.07	7	12	..
Alexandria ..	4.03	1.83	12	6	..
Bell-Air ..	1.15	0.45	18	5	..
Brown's Town ..	3.38	0.91	19	8	3.95
Watt Town, St. Ann	2.20	1.20	18	4	..
Home Castle ..	..	..	..	..	3.29
Richmond Pen ..	1.43	0.50	18	6	4.98
Bryan Castle ..	1.25	0.50	6	3	2.44
Braco ..	0.90	0.45	6	5	2.34
Arcadia ..	2.06	0.70	13	6	2.63
Vale Royal ..	3.60	..	..	6	3.03
Harmony Hall ..	2.21	0.57	17	7	3.24
Colchis Pen ..	6.35	2.15	10	10	3.16
Duncans ..	2.80	0.75	13	7	..
Clark's Town ..	3.65	1.75	12	6	..
Carey Park ..	1.22	0.50	7	4	..
Falmouth ..	4.29	2.75	12	9	1.25
Canaan ..	1.16	0.43	7	4	4.08
Grange ..	1.51	0.90	12	3	..
Success ..	1.50	0.80	7	3	2.10

Station.	April, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Northern Division, *contd.*	In.	In.			In.
Rose Hall ..	1.47	1.15	7	2	1.98
Cinnamon Hill ..	0.80	0.60	7	2	2.00
Tryall ..	1.40	0.95	7	2	3.39
Running Gut ..	2.25	1.08	6	3	1.96
Spring Estate ..	1.33	1.10	7	2	2.07
Friendship ..	0.83	0.40	12	6	..
Retirement ..	2.10	1.60	5	5	..
Belfield ..	2.01	0.93	9	5	2.85
Montego Bay ..	0.89	0.33	12	6	3.41
Anchovy ..	0.71	0.14	12	8	4.77
Bamboo-Hanover ..	2.80	1.96	9	5	..
Blue Hole ..	2.66	1.35	14	6	..
Kew ..	1.40	1.30	9	2	4.43
Lucea ..	0.74	0.24	9	8	4.01
Haughton Court ..	0.45	0.30	9	2	3.72
Cousins Cove ..	1.94	1.25	7	9	..
Green River ..	5.48	1.15	7	10	..
Green Island ..	2.23	0.70	6	10	..
Haughton Hall ..	2.54	0.62	3	12	..
Central Sub-Division.					
Knollis ..	4.46	1.17	17	10	..
Highgate ..	3.82	1.47	16	3	..
Rio Magno ..	2.07	0.80	7	7	..
Riversdale ..	4.43	1.48	8	10	..
Headworks, R.C.C	1.14	0.40	1	4	3.71
Bog Walk ..	5.00	1.70	17	4	..
Linstead ..	2.76	1.06	8	13	4.74
Cave Valley ..	2.20	1.80	18	2	4.78
Guanaboa Vale ..	5.90	1.46	18	9	..
Point Hill ..	4.89	1.55	8	10	6.38
Bellas Gate ..	4.35	1.95	13	6	..
Rock River ..	2.17	0.75	24	7	..
Crofts Hill ..	1.82	1.00	24	4	4.67
Suttons ..	..	..	..	..	..
Chapelton ..	2.15	1.47	24	9	4.04
Crooked River ..	2.06	0.55	18	11	..
Trout Hall ..	5.07	2.75	18	7	6.10
James Hill ..	..	..	..	..	..
Frankfield ..	4.25	1.50	18	10	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	2.29	1.00	24	6	5.54
Clarendon Park ..	3.19	1.73	24	8	..
Spaldings ..	2.39	0.57	18	9	..
Williamsfield ..	1.95	0.81	26	7	..
Brokenhurst ..	1.64	0.52	7	5	5.76
Shooters Hill ..	1.62	0.82	18	5	5.14
Lowe River ..	3.23	1.80	18	6	9.11
Christiana ..	3.33	1.62	18	10	7.49
Clifton Hill ..	5.15	3.55	18	5	..
Kendal, Manchester	2.10	1.18	18	6	6.97
Mereworth ..	3.03	1.10	24	10	..
Mandeville ..	4.82	2.22	21	8	5.98
Ulster Spring ..	3.31	0.98	13	8	7.36
Marshalls' Pen ..	3.40	1.59	24	5	6.74
Greenvale ..	4.47	2.47	18	5	..
Albert Town ..	4.35	1.00	18	8	7.62
Warsop ..	4.57	1.69	18	3	..

Station.	April, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
West-Central Division, *contd.*	In.	In.			In.
Troy ..	5.92	1.90	16	8	9.32
Wallingford ..	5.77	1.88	10	12	9.26
Balaclava ..	7.30	1.50	10	10	10.10
Appleton ..	..	..	..	..	..
Deeside ..	1.71	0.82	12	6	..
Maggotty ..	6.83	2.38	8	13	10.06
Lacovia ..	3.57	1.30	24	10	..
Ipswich ..	5.30	1.00	8	17	..
Kempshot ..	1.31	0.50	13	4	5.45
Garlands ..	9.17	1.44	18	15	..
Mocho, St. James ..	8.49	1.50	13	17	..
Bandon Pen ..	4.08	1.67	26	9	..
Springfield, St. Eliz.	7.60	2.44	9	10	..
Catadupa ..	6.74	1.65	20	15	7.40
Cambridge, St. Jas.	7.26	2.33	9	14	7.02
New Market ..	4.31	0.80	8	13	9.84
Kew Park ..	6.37	1.50	11	14	8.21
Montpelier ..	4.97	1.35	21	10	..
The Bog ..	6.40	1.73	13	10	10.99
Bethel Town Dist. ..	5.66	1.14	9	12	..
Burnt Ground ..	4.71	1.27	22	10	6.07
Haughton Grove ..	3.99	1.00	8	11	6.90
Darliston ..	8.50	2.80	12	15	11.31
Knockalva ..	..	..	..	..	6.66
Ramble ..	..	..	..	..	..
Bluefields ..	6.90	1.91	26	11	7.81
Whithorn ..	6.84	1.53	8	12	7.31
Water Works Pen ..	6.00	1.88	8	15	7.75
Askenish ..	..	..	..	..	..
Grange Hill ..	6.97	1.24	6	14	6.50
King's Vale ..	2.18	0.70	5	10	5.97
Southern Division (S.)					
Morant Point L.H.	1.42	0.39	6	8	3.53
Golden Grove ..	1.99	0.92	1	6	..
Pleasant Hill ..	1.89	0.72	6	11	..
Bowden ..	2.32	0.76	6	15	..
East Prospect ..	4.21	2.25	6	7	5.43
Morant Bay ..	2.32	0.81	6	7	3.27
Petersfield ..	2.90	1.00	5	8	..
Aeolus Valley ..	2.35	0.75	5	8	..
Yallahs ..	1.93	1.12	5	4	..
Easington ..	2.78	2.03	24	8	2.23
Norris ..	2.10	1.50	25	5	..
Mavis Bank ..	0.66	0.36	16	2	..
Bull Bay ..	0.20	0.20	27	1	1.21
Bellevue ..	1.90	1.08	16	12	2.73
Dallas Castle ..	0.37	0.28	19	4	..
Gordon Town ..	1.68	0.68	12	8	3.46
Irish Town ..	3.37	2.00	12	8	4.58
Hope Gardens ..	3.10	1.80	13	7	2.97
Ivor ..	1.77	0.70	14	7	..
Plumb Point L.H. ..	0.09	0.05	24	2	1.23
King's House Gar. ..	0.80	0.50	13	2	2.64
Upper Kingston ..	0.18	0.08	7	6	0.95
Kingston P.W.O. ..	0.14	0.12	7	3	1.24
Halfway Tree ..	0.73	0.32	24	7	2.00
Elsdene ..	0.78	0.41	26	7	..
Clifton Pen ..	0.19	0.19	1	1	2.19

Station.	April, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	0.00	..	..	0	1.93
Hematine ..	1.10	0.46	16	4	..
Spanish Town ..	1.10	0.41	16	6	2.48
The Stewartry ..	2.61	1.06	7	7	..
Hog Hole, St. Cath.	1.64	0.93	1	3	3.04
Hartlands ..	0.52	0.20	1	3	3.35
Amity Hall ..	0.36	0.25	14	3	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	0.92	0.60	25	3	3.01
May Pen ..	1.58	0.56	5	8	3.11
Glen Muir ..	0.00	..	..	0	..
Dry River, Vere ..	..	..	..	..	3.05
Cottage ..	0.51	0.25	1	4	..
Belle Plain ..	1.32	0.41	27	7	..
Milk River ..	1.18	0.39	24	3	2.62
Retrieve ..	2.91	1.54	16	5	..
Hog Hole, S. Man.	4.60	3.50	16	6	..
Stone's Hope ..	2.35	0.76	24	7	4.57
Newport, Man. ..	1.32	0.29	24	10	5.41

Station.	April, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In			In.
Great Valley, Man.	1.01	0.40	23	8	4.22
Alligator Pond ..	1.40	1.20	24	2	3.36
Fairfield ..	1.54	0.51	23	8	6.08
Lititz ..	1.92	1.36	24	3	4.64
Myersville ..	0.91	0.40	24	4	..
Gilnock ..	3.73	1.43	18	11	..
Southfield, St. Eliz.	1.10	0.36	24	7	3.61
Bethlehem, St. Eliz.	2.00	0.50	26	10	6.36
Torrington ..	1.22	0.50	26	6	4.61
Santa Cruz ..	4.27	0.85	18	10	9.25
Pedro Plains ..	0.15	0.10	1	2	2.40
Mountainside ..	..	..	..	..	..
Fort Charles ..	0.66	0.43	1	3	..
Black River ..	2.05	0.80	24	15	4.20
Font Hill ..	5.50	2.40	8	10	4.46
Mount Edgecombe	4.96	1.02	25	16	5.51
Sweet River ..	2.43	0.63	6	7	5.78
Sav.-la-Mar ..	2.35	1.32	8	8	5.21
Orchard ..	..	..	..	..	6.06
Little London ..	2.18	0.88	6	10	..
Retreat ..	4.94	3.40	8	6	5.02
Negril Point L.H. ..	2.57	1.02	8	9	2.92

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	April. Rainfall. 1929.	April. Rainfall. Ave.	April. Rainy Days. 1929.	April. Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	4.72	6.21	9	10
Northern ..	2.29	3.34	6	6
West-Central ..	4.80	7.06	10	11
Southern ..	1.83	3.50	6	7
The Island means. ..	3.41	5.03	8	9

Shocks of Earthquake in April, 1929.

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—April.

The mean rainfall for the Island was much below the average in all the Divisions, particularly the Southern Division. No rain was recorded at the Quarantine Station and Glen Muir, both in the Southern Division.

The mean number of rainy days was 8, or 1 less than the average. The greatest number was 17 at Ipswich and Mocho in the West Central Division.

Most of the rain appears to have fallen between the 6th and 8th and on the 18th and 24th.

The greatest total fall was 13.33 inches at Millbank in Port and, and the heaviest fall in 24 hours was 4.44 inches at Carew Castle in St. Catherine on the 17th.

The mean rainfall in each parish is given below:—

		Inches.			Inches.
Kingston	..	0.14	St. James	..	3.17
St. Andrew	..	2.39	Hanover	..	2.63
St. Thomas	..	2.45	Westmoreland	..	5.02
Portland	..	7.03	St. Elizabeth	..	3.57
St. Mary	..	3.61	Manchester	..	2.74
St. Ann	..	2.73	Clarendon	..	2.14
Trelawny	..	3.21	St. Catherine	..	2.86

City of Kingston.

The total rainfall was phenomenally deficient, being only 0.14 inch, as compared with the normal of 1.24 inch, being one-ninth of normal. There were three rainy days as compared with five of the 47-year average. Greatest fall in 24 hours 0.12 inch on 7th. The upper boundary of Kingston had a total fall of 0.18 inch with 6 rainy days. Light rain was observed on the nearby hills to north on 5th, 6th, 13th and 17th To NE. on 1st, 12th, 13th and 14th. To east on 5th and 7th.

The mean ofthe daily miles of wind registered was 188 which almost corresponds with the 20-year normal of 186. The mean 3 p.m. S.E. wind was about 10% above normal. Maximum number of miles of wind in one day was 285 on 20th, and minimum 118 on 23rd. There were no S.E. rain-squalls occurring of note. S.E. wind blew early on 3 days (between 7th and 17th), and continued late into the evenings on 12 days (between 9th and 28th). This wind continued overnight on 14th, 16th and 17th.

The mean barometric pressure was 29.963 inches; the 33-year normal being 29.941 inches, Highest barometer pressure 30.084 inches. on 3rd 3 p.m., and lowest 29.837 inches on 17th at 7 a.m. (correc. for diur. var.) Mean temperature, based upon four observations per day, was 77.4 degrees: the 33-year normal being 78.2 degrees. The first half of the month was so much cooler than the second half by 2.6 degrees, this large range was also noticed in April, 1928. Maximum temperature was above 90 degrees on one day, and the minimum temperature was above 70 degrees on 17 days, confined chiefly to the second half of month. Highest maximum 91.0 degrees on 25th, and lowest minimum 65.1 degrees on 6th. The mean relative humidity was similar to that of the 33-year normal, viz.—78%. Mean 7 a.m. 82%, and mean 3 p.m. 65% Lowest 7 a.m. 72% on 28thth, and lowest 3 p.m. 49% on 7th.

The sky was overcast in the early morning on 8 occasions, and in the afternoon on 23 occasions. Light haze was observed during the early morning throughout the month.

A complete solar halo was witnessed at noon on 16th.

The total evaporation for the month was 7.86 inches, which is 0.40 inch below the 6-year normal.

The mean number of daily sunshine hours was 5.8.

There was, apparently, a shallow barometric depression occurring to the west of Negril on 17th, in afternoon. The pressure fell to 29.837 inches, which is 0.104 inch below the normal, at Kingston, with brisk southeasterly wind at Negril Point. The barometer read 0.12 inch below the average at Negril Point.

J. F. Brennan,

Government Meteorologist.

Kingston, May 20th, 1929.

No. 624.

JAMAICA

WEATHER REPORT,

FOR THE MONTH OF

MAY, 1929.

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	30.005	29.975	79.9	82.2	84.0	76.3	7.7	85.4	25	69.8	4	15.6
Kingston	24	29.986	29.927	76.0	84.1	87.3	71.5	15.8	89.4	11	68.0	2*	21.4
Negril Point Light House	33	29.985	29.947	76.5	81.9	87.0	70.9	16.1	90.9	11	68.2	11	22.7
Castleton Gardens	496	..	..	68.1	81.0	86.6	67.6	19.0	91.0	6	63.0	2	28.0
Hope Gardens†	668	30.002	29.927	69.9	86.0	88.3	67.3	21.0	90.0	6*	64.0	8	26.0
Stony Hill Indus. School	1,400	..	..	68.2	78.2	79.6	61.2	18.4	83.0	18	61.0	16	22.0
Hill Gardens	4,900	25.278	25.261	62.9	65.3	69.3	56.1	13.2	72.0	6*	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.		
	ft.	°	%	°	%	in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	74	80	74	76	1.48	291	ENE	13.0	E	13.0	2.0	3.3	1.1	0.4	3.0	1.3
Kingston ..	24	68	77	71	66	0.63	241	NNE	5.1	SE	20.3	0.8	0.9	3.2	3.5	1.7	1.5
Negril Point Light House	33	71	82	74	76	10.90	183	NE	6.9	SE	9.1	0.3	1.7	3.7	5.6	3.0	0.0
Castleton Gardens ..	496	68	97	75	80	7.15	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	61	81	77	75	0.87	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	59	85	60	84	3.50	..	..	..	..	..	..	..	..	..	..	..

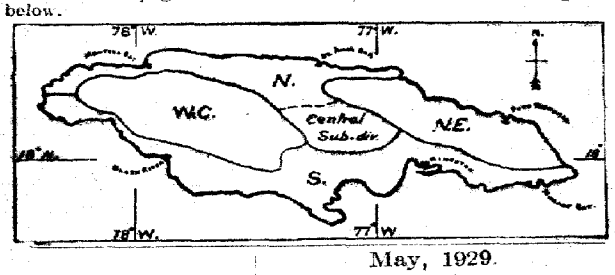
* And on other days. † Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.	May, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
North-Eastern Division. (N.E.)	In.	In.			In.
Manchioneal ..	5.81	1.70	22	9	14.53
Priestman's River ..	6.02	1.25	29	20	..
Fairy Hill ..	5.84	1.00	29	16	..
Bath ..	5.80	0.84	16	8	13.08
Millbank ..	15.25	3.92	26	14	..
Moore Town ..	9.80	1.80	6	14	18.97
Port Antonio ..	4.53	1.06	8	9	15.62
Passley Garden ..	8.79	1.45	8	23	..
Fellowship ..	9.86	2.14	8	21	18.54
Johnson River Br. ..	3.31	0.89	26	13	9.97
Trinity Ville ..	5.00	1.80	26	11	..
Shrewsbury ..	10.07	3.00	8	15	14.84
Hope Bay ..	6.61	0.96	26	17	..
Cedar Valley ..	4.57	2.85	26	5	9.75
Moy Hall ..	4.02	2.70	26	9	9.53
Paradise ..	10.16	4.25	8	14	..
Lennox ..	5.90	0.95	26	14	..
Greenvale ..	6.86	2.36	17	12	9.75
Spring Garden ..	4.98	0.85	23	13	8.98
Hill Gardens ..	3.50	0.66	23	11	10.43
Buff Bay ..	6.75	1.27	8	11	8.49
Orange Vale ..	9.85	1.87	8	14	..
Belvedere, Portland	7.54	2.05	30	10	
Windsor Castle do	7.12	2.87	8	12	5.64
Balcarres ..	10.75	3.10	11	7	..
Mt. Holstein ..	8.50	1.96	30	14	9.29
Cedar Hurst ..	2.58	0.93	26	11	..
Hardware Gap ..	4.85	2.10	28	9	11.42
Rose Hill ..	4.55	0.94	28	10	14.02
Hermitage ..	3.01	0.64	29	11	..
Mount James ..	4.98	0.91	29	19	..
Stony Hill Ind. Schl.	3.02	0.88	29	11	9.82
Iter Boreale ..	5.04	2.13	8	10	..
Enfield ..	6.19	1.71	10	10	..

Station.	May, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
North-Eastern Division, *contd.*	In.	In.			In.
Agualta Vale ..	4.08	1.61	8	10	6.19
Castleton Gardens	7.15	2.50	18	12	12.07
Water Valley ..	2.88	0.61	8	10	7.73
Albany ..	3.12	0.63	11	11	..
Lawrence Tavern ..	4.41	0.89	22	10	9.34
Richmond, St. Mary	5.36	1.42	13	12	7.66
Quebec, St. Mary ..	3.81	1.58	8	10	..
Zion Hill ..	5.00	1.50	13	9	..
Carew Castle ..	8.49	1.13	9	12	9.70
Hampstead, St. Mary	2.91	1.00	12	11	8.38
Windsor Castle do	5.08	1.30	19	9	..
Troja ..	3.96	0.79	30	10	..
Pear Tree Grove ..	7.10	2.10	11	10	..
Guy's Hill ..	5.10	1.80	13	7	..
Lucky Hill ..	4.00	1.44	19	14	8.91
Rio Hoe ..	5.49	1.25	13	11	8.18
Unity Valley ..	7.41	1.80	27	16	9.97
Moneague ..	7.38	1.98	30	13	8.37
Claremont ..	14.23	1.22	31	8	7.14
Averham Park ..	5.45	0.85	30	12	7.58
Albion ..	6.09	2.20	27	15	8.37
Northern Division (N).					
Port Maria ..	3.15	0.70	26	9	6.70
Eden Park ..	3.52	1.05	12	11	..
Oracabessa ..	2.47	1.47	27	4	..
New Ramble ..	..	..	..	..	8.05
Huddersfield ..	3.00	0.57	27	8	..
Ocho Rios ..	3.93	0.75	11	9	5.80
Bogue, Ocho Rios ..	4.32	1.09	11	10	5.99
Drax Hall ..	2.30	0.57	12	9	7.06
Rockfield ..	4.75	1.38	8	14	7.56
Liberty Hill ..	2.35	1.65	12	7	4.88
St. Ann's Bay ..	2.19	0.57	30	8	5.69
Seville ..	1.44	0.50	11	5	6.68
Richmond Estate ..	1.32	0.61	12	8	6.75
Llandovery ..	0.70	0.40	10	2	6.65
Runaway Bay ..	0.78	0.20	27	8	..
Knapdale ..	8.84	2.11	11	18	..
Alexandria ..	3.58	1.46	30	10	..
Bell-Air ..	5.75	2.20	27	11	..
Brown's Town ..	4.89	1.89	30	10	6.96
Watt Town, St. Ann	8.36	2.00	16	10	..
Home Castle ..	4.00	1.65	27	6	5.83
Richmond Pen ..	2.20	0.55	8	11	7.65
Bryan Castle ..	3.20	1.75	27	6	5.23
Braco ..	2.22	1.25	27	8	4.57
Arcadia ..	2.89	0.75	27	11	5.04
Vale Royal ..	..	..	..	..	6.07
Harmony Hall ..	3.01	1.73	27	6	4.68
Colchis Pen ..	6.61	2.00	15	8	6.63
Duncans ..	2.21	1.00	27	5	..
Clark's Town ..	3.48	0.95	30	10	..
Carey Park ..	2.13	1.06	27	6	..
Falmouth ..	1.08	0.13	29	4	4.82
Canaan ..	6.78	1.32	31	12	7.80
Grange ..	0.95	0.40	11	3	..
Success ..	0.65	0.25	14	3	4.51

Station.	May, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Northern Division, *contd.*					
Rose Hall ..	1.00	0.35	22	3	4.44
Cinnamon Hill ..	0.85	0.35	22	3	5.11
Tryall ..	0.80	0.35	13	5	7.36
Running Gut ..	0.71	0.26	20	3	5.14
Spring Estate ..	0.56	0.22	13	3	4.57
Friendship ..	2.23	0.41	26	8	..
Retirement ..	3.02	1.10	30	8	9.48
Belfield ..	3.85	0.91	30	10	6.43
Montego Bay ..	1.80	0.50	12	11	7.44
Anchovy ..	1.97	0.30	22	16	8.81
Bamboo-Hanover ..	2.82	0.70	18	12	..
Blue Hole ..	4.70	1.10	25	11	..
Kew ..	5.80	1.75	27	13	11.30
Lucea ..	5.42	2.40	27	11	8.16
Haughton Court ..	5.75	1.70	27	9	8.33
Cousins Cove ..	6.92	2.10	27	14	..
Green River ..	14.26	4.48	22	11	..
Green Island ..	5.46	1.50	26	15	..
Haughton Hall ..	8.01	2.22	22	18	..
Central Sub-Division.					
Knollis ..	5.15	2.12	9	11	..
Highgate ..	8.37	2.89	11	13	..
Rio Magno ..	4.72	1.05	21	7	..
Riversdale ..	8.11	1.97	27	16	..
Headworks, R.C.C	3.09	1.59	28	8	7.98
Bog Walk ..	5.70	1.50	9	8	..
Linstead ..	3.70	0.79	26	16	10.09
Cave Valley ..	5.33	0.75	12	11	9.17
Guanaboa Vale ..	4.86	2.35	29	7	..
Point Hill ..	7.31	1.72	11	10	12.68
Bellas Gate ..	6.94	1.86	9	5	..
Rock River ..	3.65	1.45	29	8	..
Crofts Hill ..	2.70	1.60	23	4	8.14
Suttons ..	2.42	0.74	29	9	..
Chapelton ..	2.12	0.75	13	7	9.12
Crooked River ..	4.31	0.80	23	14	..
Trout Hall ..	5.65	1.40	7	11	11.69
James Hill ..	5.24	1.70	8	10	..
Frankfield ..	4.52	0.90	23	15	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	3.29	0.93	29	5	12.15
Clarendon Park ..	3.78	1.67	29	12	..
Spaldings ..	4.06	0.79	9	17	..
Williamsfield ..	6.54	2.88	11	15	..
Brokenhurst ..	4.90	1.73	29	13	10.19
Shooters Hill ..	4.88	2.00	11	12	7.89
Lowe River ..	4.24	1.62	23	8	11.43
Christiana ..	3.20	0.68	29	14	11.53
Clifton Hill ..	2.88	0.90	29	10	..
Kendal, Manchester	6.81	3.04	11	11	10.95
Mereworth ..	5.94	1.64	29	12	..
Mandeville ..	3.15	0.79	29	17	10.88
Ulster Spring ..	5.73	1.13	9	17	11.97
Marshalls' Pen ..	2.58	0.56	11	8	10.77
Greenvale ..	2.94	0.81	29	10	..
Albert Town ..	5.08	1.00	24	12	11.14
Warsop ..	4.53	1.48	9	13	..

Station.	May, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
West-Central Division, *contd.*					
Troy ..	10.95	2.30	9	12	16.06
Wallingford ..	11.33	3.11	29	12	12.25
Balaclava ..	9.02	1.46	29	12	12.78
Appleton ..	..	..	..	..	..
Deeside ..	7.58	1.66	28	11	..
Maggotty ..	5.35	1.31	29	13	14.31
Lacovia ..	4.16	1.41	9	9	..
Ipswich ..	7.61	1.66	13	13	..
Kempshot ..	4.59	0.85	25	11	10.32
Garlands ..	12.00	2.20	22	16	..
Mocho, St. James ..	11.00	1.47	22	20	..
Bandon Pen ..	13.47	2.21	22	14	..
Springfield, St. Eliz.	8.82	2.28	13	9	..
Catadupa ..	11.76	1.88	22	16	..
Cambridge, St. Jas.	9.80	1.90	12	18	13.71
New Market ..	8.75	3.25	13	13	11.11
Kew Park ..	12.79	2.59	18	16	12.82
Montpelier ..	6.17	1.70	18	10	..
The Bog ..	10.51	3.15	23	13	13.68
Bethel Town Dist. ..	16.53	2.55	29	15	..
Burnt Ground ..	6.90	0.93	25	13	13.21
Haughton Grove ..	10.43	1.80	28	14	13.93
Darliston ..	11.95	1.56	9	15	16.74
Knockalva ..	..	..	..	..	12.41
Ramble ..	..	..	..	..	..
Bluefields ..	11.93	2.04	5	16	11.61
Whithorn ..	8.72	1.50	15	18	13.87
Water Works Pen ..	10.90	1.38	18	19	11.70
Askenish ..	9.82	2.45	9	13	..
Grange Hill ..	14.08	2.65	15	24	13.18
King's Vale ..	8.27	1.26	9	17	11.43
Southern Division (S.)					
Morant Point L.H.	1.48	0.32	8	12	9.35
Golden Grove ..	2.10	0.45	26	9	..
Pleasant Hill ..	2.05	0.39	22	4	..
Bowden ..	1.57	0.38	27	5	..
East Prospect ..	1.79	0.51	27	9	10.00
Morant Bay ..	1.94	0.50	27	12	7.59
Petersfield ..	3.20	1.00	26	9	..
Aeolus Valley ..	2.14	1.25	26	7	..
Yallahs ..	0.60	0.60	25	1	..
Easington ..	2.41	1.22	26	13	6.82
Norris ..	2.52	1.50	26	6	..
Mavis Bank ..	1.67	0.95	26	5	..
Bull Bay ..	0.45	0.45	26	1	3.83
Bellevue ..	4.00	1.30	26	10	9.41
Dallas Castle ..	2.58	0.87	26	9	..
Gordon Town ..	2.70	1.24	29	11	7.83
Irish Town ..	2.14	0.59	28	9	6.87
Hope Gardens ..	2.38	0.87	29	12	6.47
Ivor ..	2.01	1.36	29	9	..
Plumb Point L.H. ..	0.30	0.20	26	2	4.96
King's House Gar. ..	1.95	1.00	26	3	6.34
Upper Kingston ..	0.71	0.40	27	7	2.44
Kingston P.W.O. ..	0.63	0.25	26	7	4.39
Halfway Tree ..	1.37	0.64	29	7	5.01
Elsdene ..	1.23	0.67	29	8	..
Clifton Pen ..	0.06	0.06	22	1	4.83
Red Hills ..	2.70	0.94	26	6	..

Station.	May, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	0.28	0.16	26	2	4.31
Hematine ..	1.69	1.16	29	5	..
Spanish Town ..	1.93	1.37	29	6	6.21
The Stewartry ..	0.71	0.50	29	4	..
Hog Hole, St. Cath.	0.50	0.21	28	4	7.16
Hartlands ..	3.32	3.00	29	4	6.00
Amity Hall ..	1.56	0.64	29	7	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	0.71	0.38	29	4	6.08
May Pen ..	2.06	0.75	26	13	7.21
Glen Muir ..	1.80	1.00	26	2	..
Dry River, Vere ..	..	..	..	..	5.61
Cottage ..	0.25	0.25	19	1	..
Belle Plain ..	3.48	1.75	29	10	..
Milk River ..	1.44	0.60	29	4	6.45
Retrieve ..	1.23	0.40	19	14	..
Hog Hole, S. Man.	2.44	1.00	29	6	..
Stone's Hope ..	1.42	0.37	19	8	9.06
Newport, Man. ..	2.34	0.47	29	12	8.64

Station.	May, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In			In.
Great Valley, Man.	0.73	0.38	26	5	6.86
Alligator Pond ..	0.88	0.70	26	2	5.62
Fairfield ..	2.92	1.43	23	15	8.13
Lititz ..	1.16	1.08	23	2	6.98
Myersville ..	1.39	0.57	8	4	..
Gilnock ..	5.19	2.13	30	8	..
Southfield, St. Eliz.	0.92	0.43	9	4	7.99
Bethlehem, St. Eliz.	4.91	2.02	23	8	7.82
Torrington ..	1.58	0.58	23	5	7.06
Santa Cruz ..	4.91	1.48	9	12	12.01
Pedro Plains ..	0.01	0.01	16	1	3.81
Mountainside ..	1.94	0.72	7	9	..
Fort Charles ..	1.30	0.40	23	5	..
Black River ..	4.13	1.32	11	13	6.89
Font Hill ..	8.00	2.35	11	10	7.78
Mount Edgecombe	10.06	3.00	28	17	8.29
Sweet River ..	11.68	1.30	13	1	9.71
Sav.-la-Mar ..	13.18	3.65	26	20	8.52
Little London ..	12.63	2.72	13	20	..
Retreat ..	12.59	1.73	11	15	8.88
Negril Point L.H. ..	10.90	2.45	12	18	6.19

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	May. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	5.73	10.39	12	13
Northern ..	3.18	6.95	9	10
West-Central ..	7.78	12.38	14	15
Southern ..	3.17	6.78	8	10
The Island means. ..	4.96	9.12	11	12

Shocks of Earthquake in May, 1929.

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
7th.	4.16 a.m.	I	Kingston.
"	4.15 "	II	Yallahs.
"	— ?	I	Trinity Ville.
"	4.20 "	II	Fellowship.
"	10.59 a.m.	II	Manchioneal.
"	11.10 "	II	Port Morant.
"	11.30 "	II	Priestman's River.
"	11.15 "	II	Port Antonio.
"	11.25 "	II	Morant Bay.

N.B. It is particularly requested that all Rainfall Postcards be sent in not later than the 5th of each month.

THE ISLAND—MAY.

The Mean Rainfall for the Island was little more than half the average. All the Divisions suffered, particularly the northern and southern.

This small precipitation was, however, fairly well distributed, as the mean number of rainy days was 11—1 less than the average—the greatest number being 24 at Grange Hill in the West Central Division.

Most of the rain appears to have fallen during the second and the last weeks of the month.

The greatest total fall was 16.53 ins. at Bethel Town District in the West Central Division, and the heaviest fall in 24 hours was 4.25 ins. at Paradise in the North Eastern Division on the 8th.

The Mean Rainfall in each parish is given below:—

	Inches.		Inches.
Kingston ..	0.55	St. James	4.36
St. Andrew ..	2.68	Hanover	7.19
St. Thomas ..	2.78	Westmoreland ..	11.71
Portland ..	7.79	St. Elizabeth ..	4.52
St. Mary	4.14	Manchester ..	3.28
St. Ann ..	4.42	Clarendon ..	3.17
Trelawny ..	4.33	St. Catherine ..	4.28

City of Kingston.

The total rainfall for May was, again, exceptionally below the 50-year average: being only one-seventh. There were seven rainy days of small amounts. The 47-year average shews, however, eight days. Greatest fall in 24 hours 0.25 inch on 26th. The upper boundary of Kingston gauged 0.71 inch, with seven rainy days. A very poor "season's" rain. Rain was observed on the nearby hills to north on 23rd, 26th and 28th. To NE on 16th, from 22nd to 26th, and on 29th. To East on 16th and 22nd. To SE on 26th, south on 22nd. To SW on 26th and to NW on 29th.

The mean of the daily miles of wind, registered, was 241, representing 16 per cent. above the 20-year normal. Maximum number of miles of wind in one day 401 on 20th, and minimum 155 on 16th. Southeast wind blew early on 3 days, and continued late into the evenings from 1st to 8th, also on 14th, 19th, 20th, 21st and 31st. Southeast rain squall on 26th in the forenoon.

Mean barometric pressure 29.962 ins. The 33-year normal being 29.910 ins. There was a period, from 1st to 11th, of high pressure. Highest barometer reading 30.043 ins. on 10th at 7 a.m., and lowest 29.877 ins. on 26th at 7 a.m. (correc. for diur. var.) Mean temperature, based upon four observations per day, 79.2 deg. the 33-year normal being 79.7 degs. The first half of the month was 0.8 deg. lower than the second half.

The maximum temp. registered below 90 degs. throughout, and the minimum was below 70 degs. on first five days. Highest maximum temp. 89.4 degs. on 11th, and lowest minimum 68.0 degs. on 2nd, and 3rd. The mean relative humidity was 3 per cent. below the 33-year normal, owing possibly to the high record of the daily wind. Mean 7 a.m. 77%, and mean 3 p.m. 66%. Lowest 7 a.m. 66% on 20th, and lowest 3 p.m. 45% on 14th.

Distant lightning was observed at night to NE on 26th, and to NW on 15th. Distant thunderstorms were noted to north on 23rd, 26th, 28th and 29th. To NE on 26th, and to NW on 27th. Local moderate thunderstorm on 29th.

The sky was overcast in the early morning on 12 occasions, and in the afternoon on 22 occasions. Light haze was observed on a few days.

Total evaporation for the month was 9.40 ins., which is 1.68 inch above the 6-year normal, owing to rainfall deficiency, and to the excess of the prevailing south-easterly wind.

The mean number of daily sunshine hours was 5.1.

A slight shock of earthquake was felt on 7th at 4.16 a.m.

Negril Point Light House, Jamaica.

Table of Barometer Means from year 1899 *to* 1907.

In the Jamaica Weather Report No. 553A (1924) appeared a series of Tables of Meteorological Results, for Kingston, relative to periods 1881-1898 and to 1908-1922, therefore shewing, unfortunately, a discontinuity from the year 1899 to 1907, when the Jamaica Weather Service was disestablished. We, consequently, were confined to results embodying 33 years, instead of 42, of a discontinuous period. It was known, however, that observations of the barometric pressure at Negril Point Light House were conducted uninterruptedly, and covered this series of years from 1899 to 1907. But the results of these observations were not then tabulated. Such a Table has since been compiled and compared with the original entries of the Register at the Negril Station, in order to verify these figures, and now appended to this Weather Report.

This Table should prove of service for reference when studying the continuous period of barometric pressure changes from the year 1881 to date. Negril Point is situated westwardly of Kingston, about 108 miles distant, and the mean barometric pressure at that place would not be materially at variance with that at Kingston. For this period 1899-1907 (9 years), the general mean derived is shewn as 29.928 ins. By reference to Weather Report No. 553A, page 1, the mean deduced for 33 years, for Kingston, is 29.932 ins. Shewing a difference of only 0.004 inch, between Negril and Kingston, and of course for a different set of years. It is just likely, then, that the barometric pressure at Negril during 1899-1907 was, to that extent, .004 inch lower than the general normal at that Station.

For the convenience of printing, the figures of this Table, representing the integral inches, 29 and 30, are omitted, in order to curtail space: recognizing only the fractions to the third decimal place. For example, for January 1899, the 7 a.m. mean shall read 29.981, and for December 1907, 7 a.m. shall read 30.038 ins., similar to the Tables appearing in Weather Report 553A, page 17.

J. F. Brennan,
Government Meteorologist.

Kingston, June 20th, 1929.

Corrigendum.—Weather Report No. 623, April, 1929, Cousin's Cove, Total Fall for 1.94 read 3.30.

NEGRIL POINT LIGHT HOUSE, JAMAICA.

Years 1899–1907—Mean Barometric results for 7 a.m. and 3 p.m. (Inches 29 or 30 omitted: fractions, only, given).

Year.	January.			February.			March.			April.			May.			June.			July.			August.			September.			October.			November.			December.			Year.		Means for the years.
	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	Range.	7 a.m.	3 p.m.	ins.
1899 ..	981	927	54	003	947	56	992	938	54	948	895	53	955	910	45	966	929	37	946	906	40	915	874	41	900	850	50	854	784	50	873	808	65	941	884	57	938	888	29.924
1900 ..	955	906	49	988	932	56	970	917	53	940	886	54	906	864	42	910	876	34	940	910	30	939	913	26	893	853	40	887	831	56	930	864	66	970	911	59	936	889	.923
1901 ..	988	922	60	986	927	59	995	934	61	938	888	50	904	856	48	913	886	27	901	878	23	914	885	29	884	829	55	857	795	62	918	864	54	936	878	58	928	878	.914
1902 ..	971	927	44	967	912	55	961	912	49	936	884	52	909	859	50	872	840	32	966	928	38	932	898	34	929	880	49	912	855	57	900	842	58	945	881	64	933	885	.920
1903 ..	976	923	53	003	944	59	969	913	56	919	876	43	902	865	37	925	890	35	954	920	34	919	890	29	922	886	36	889	833	56	907	846	61	949	891	58	936	890	.924
1904 ..	987	927	60	001	945	56	951	901	50	943	888	55	900	867	33	935	902	33	986	951	35	971	935	36	914	868	46	820	767	53	936	872	64	990	933	57	944	896	.931
1905 ..	013	960	53	011	951	60	987	929	58	932	879	53	928	881	47	903	876	27	966	932	34	940	905	35	894	857	37	864	811	53	915	859	56	944	890	54	941	894	.928
1906 ..	990	933	57	003	957	46	984	941	43	973	926	47	930	899	31	913	895	18	948	922	26	937	908	29	879	842	37	883	838	45	889	832	57	015	948	67	945	903	935
1907 ..	038	975	63	018	962	56	035	968	67	979	929	50	944	895	49	941	909	32	977	947	30	977	939	38	915	872	43	894	844	50	940	873	67	960	894	66	968	917	29.954
Means ..	989	933	56	998	942	56	983	928	55	945	894	51	920	877	43	920	889	31	[illegible]4	922	32	938	905	33	903	860	43	871	818	53	912	851	61	961	901	60	941	893	29.928

The barometric pressure is reduced to the Standard of Kew 32 degrees, Gravity at 45 degs. and to mean sea level. Altitude of barometer above mean sea level 33 feet. Negril Light House, Latitude 18° 15′ North, Longitude 78° 23′ West.

The "Means for the years" shewn in last column above are derived from the means of the adjacent column for "Year," with the corrections for Diurnal Variation applied. For example year 1899, 7 a.m. is given as 29.938—.016 for D.V. = 29.922, and for the same period for 3 pm. 29.888+.038 = 29.926. Then the mean of .922 and .926 gives 29.924 as above. (See Diurnal Variation Table in W.R. No. 553 A, page 19.)

No. 625.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JUNE, 1929.

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	29.973	29.949	80.6	83.0	84.7	77.3	7.4	86.5	30	72.2	6	14.3
Kingston	24	29.951	29.908	78.0	85.4	87.8	74.8	13.0	90.9	14	71.9	17	19.0
Negril Point Light House	33	29.948	29.920	78.5	83.9	87.2	73.6	13.6	93.0	29	70.5	24	22.5
Castleton Gardens	496	..	..	70.6	82.4	89.1	69.3	19.8	94.0	22	66.0	18	28.0
Hope Gardens†	668	29.950	29.890	72.9	87.2	89.7	70.1	19.6	93.0	29	69.0	2*	24.0
Stony Hill Indus. School	1,400	..	..	68.2	78.3	81.4	66.1	15.3	86.0	25	65.0	4*	21.0
Hill Gardens	4,900	25.272	25.248	63.7	66.1	71.4	58.0	13.4	74.0	28*	57.0	1*	17.0

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	83	75	77	3.18	309	E	13.0	E	12.0	2.4	2.3	2.0	2.1	2.2	2.6
Kingston ..	24	70	77	73	68	0.44	287	ESE	8.0	SE	21.0	1.2	0.7	4.2	1.7	0.8	5.6
Negril Point Light House	33	73	82	77	79	2.20	252	E	8.8	SE	13.2	1.0	1.4	5.5	1.9	5.4	1.5
Castleton Gardens ..	496	69	93	76	81	1.18	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	66	78	81	83	0.36	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	0.94	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	91	62	87	1.44	..	..	..	..	..	..	..	..	..	..	..

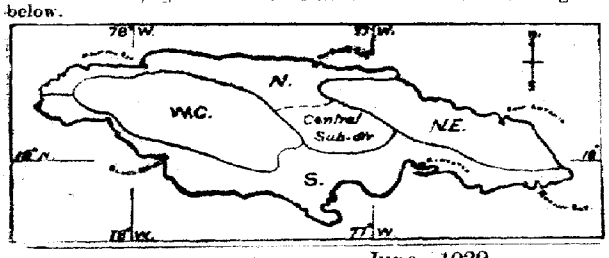
* And on other days. † Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.	June, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal ..	8.08	4.34	3	11	9.37
Priestman's River ..	3.94	0.64	29	16	..
Fairy Hill ..	4.25	0.95	3	14	..
Bath ..	8.53	2.35	3	24	12.16
Millbank ..	9.43	1.40	3	15	..
Moore Town ..	5.41	1.00	10	13	21.77
Port Antonio ..	2.17	0.35	16	13	16.68
Passley Garden ..	7.03	0.93	25	18	..
Fellowship ..	3.11	0.80	28	14	20.08
Johnson River Br. ..	5.33	0.93	16	15	13.68
Trinity Ville ..	5.92	1.60	1	12	..
Shrewsbury ..	1.11	0.52	20	6	11.98
Hope Bay ..	1.13	0.27	15	8	..
Cedar Valley ..	3.48	0.85	3	5	14.86
Moy Hall ..	3.82	0.86	5	12	..
Paradise ..	0.32	0.11	28	5	..
Lennox ..	0.45	0.16	29	4	..
Greenvale ..	1.61	1.20	30	3	4.80
Spring Garden ..	0.33	0.25	29	4	6.53
Hill Gardens ..	1.44	0.63	3	6	7.63
Buff Bay ..	0.43	0.23	29	3	7.50
Orange Vale ..	9.85	1.87	8	14	..
Belvedere, Portland	1.83	0.75	11	6	
Windsor Castle do	0.50	0.40	28	2	5.95
Balcarres ..	2.85	2.62	30	3	..
Mt. Holstein ..	2.33	2.22	30	3	6.43
Cedar Hurst ..	2.56	1.28	30	5	..
Hardware Gap ..	1.66	0.70	30	4	7.12
Rose Hill ..	1.26	0.69	4	4	6.40
Hermitage ..	0.96	0.28	5	6	..
Mount James ..	2.16	1.34	25	6	..
Stony Hill Ind. Schl.	0.94	0.34	4	4	7.18
Iter Boreale ..	0.07	0.07	5	1	..
Enfield ..	0.80	0.30	1	4	..

STATION.	June, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale ..	1.94	1.09	5	4	3.59
Castleton Gardens	1.18	0.80	30	6	9.37
Water Valley ..	2.07	1.13	4	6	4.28
Albany ..	1.86	1.10	4	7	..
Lawrence Tavern ..	1.13	0.50	1	3	6.77
Richmond, St. Mary	3.90	2.34	4	7	5.34
Quebec, St. Mary ..	1.36	0.74	4	4	5.36
Zion Hill ..	2.85	1.36	13	6	..
Carew Castle ..	3.39	1.50	16	8	9.10
Hampstead, St. Mary	3.09	2.23	4	10	4.47
Windsor Castle do	3.13	2.10	14	7	..
Troja ..	2.83	1.35	25	5	..
Pear Tree Grove ..	2.39	1.25	26	3	..
Guy's Hill ..	2.87	1.06	4	6	..
Lucky Hill ..	1.46	0.43	11	7	4.32
Rio Hoe ..	1.63	0.57	30	7	8.29
Unity Valley ..	1.67	0.69	4	8	8.18
Moneague ..	1.77	0.41	16	9	7.96
Claremont ..	2.32	1.22	4	5	5.66
Averham Park ..	3.11	1.89	4	6	5.62
Albion ..	3.33	1.50	4	6	6.43
NORTHERN DIVISION (N).					
Port Maria ..	1.14	0.29	5	7	5.44
Eden Park ..	3.12	0.89	5	9	..
Oracabessa ..	1.61	0.75	5	3	..
New Ramble ..	1.55	0.43	5	7	6.64
Huddersfield ..	0.99	0.28	2	4	..
Ocho Rios ..	1.91	0.95	5	3	3.94
Bogue, Ocho Rios ..	2.07	0.85	5	3	4.52
Drax Hall ..	2.13	1.29	5	4	4.73
Rockfield ..	3.10	0.96	5	7	3.73
Liberty Hill ..	3.30	1.80	25	5	4.35
St. Ann's Bay ..	3.22	1.29	4	5	4.03
Seville ..	3.20	1.40	4	6	4.51
Richmond Estate ..	3.21	2.08	4	4	4.54
Llandovery ..	3.70	2.00	5	4	4.26
Runaway Bay ..	1.56	1.30	5	3	..
Knapdale ..	2.90	1.84	4	5	..
Alexandria ..	3.95	1.72	30	8	..
Bell-Air ..	2.45	2.00	5	2	..
Brown's Town ..	3.75	1.70	4	4	4.00
Watt Town, St. Ann	1.74	1.36	30	3	..
Home Castle ..	3.10	1.95	5	3	3.94
Richmond Pen ..	0.62	0.35	4	4	5.03
Bryan Castle ..	1.05	1.00	5	2	3.30
Braco ..	1.25	0.65	5	6	2.93
Arcadia ..	1.90	1.10	5	5	4.00
Vale Royal ..	1.14	0.61	5	5	4.35
Harmony Hall ..	1.21	0.74	5	5	2.82
Colchis Pen ..	2.60	1.00	15	6	4.59
Duncans ..	0.88	0.78	5	2	..
Clark's Town ..	2.25	1.40	5	4	..
Carey Park ..	1.18	0.95	5	4	..
Falmouth ..	1.21	0.78	5	6	2.55
Canaan ..	8.91	2.64	25	9	7.02
Grange ..	1.80	0.80	6	3	..
Success ..	2.20	1.10	5	5	2.44

Station.	June, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Northern Division, *contd.*					
Rose Hall ..	2.21	1.25	5	5	3.05
Cinnamon Hill ..	1.90	0.95	5	5	3.10
Tryall ..	2.92	1.35	5	6	6.84
Running Gut ..	2.13	1.05	5	5	3.11
Spring Estate ..	2.10	1.05	5	4	2.95
Friendship ..	3.07	0.84	6	14	..
Retirement ..	4.03	1.67	6	8	7.67
Belfield ..	5.60	2.95	6	12	4.19
Montego Bay ..	4.03	1.81	6	14	6.44
Anchovy ..	2.59	0.46	4	17	7.64
Bamboo-Hanover ..	9.16	2.33	4	16	..
Blue Hole ..	6.98	1.75	26	13	..
Kew ..	15.50	2.85	4	19	8.37
Lucea ..	10.17	2.11	25	23	8.28
Haughton Court ..	13.55	1.90	25	18	8.40
Cousins Cove ..	14.52	4.49	26	22	..
Green River ..	13.29	1.97	4	10	..
Green Island ..	12.61	1.70	26	21	..
Haughton Hall ..	12.17	2.42	13	21	..
Central Sub-Division.					
Knollis ..	1.26	0.43	3	5	..
Highgate ..	1.62	0.49	15	8	..
Rio Magno ..	6.15	2.24	25	8	..
Riversdale ..	5.56	2.00	15	12	..
Headworks, R.C.C.	0.57	0.57	3	1	5.45
Bog Walk ..	0.90	0.50	4	2	..
Linstead ..	1.61	0.39	15	14	7.89
Cave Valley ..	2.70	2.10	4	4	7.43
Guanaboa Vale ..	3.45	1.30	5	7	..
Point Hill ..	3.39	1.10	6	9	9.99
Bellas Gate ..	1.59	0.75	4	3	..
Rock River ..	1.80	0.84	15	8	..
Crofts Hill ..	3.13	1.00	4	8	4.60
Suttons ..	1.58	0.48	2	6	..
Chapelton ..	1.32	0.80	2	3	6.79
Crooked River ..	1.69	0.48	4	9	..
Trout Hall ..	3.03	0.75	4	12	6.37
James Hill ..	..	..	..	..	..
Frankfield ..	5.09	1.05	30	13	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	6.91	1.50	28	13	8.15
Clarendon Park ..	3.91	2.04	4	9	..
Spaldings ..	2.64	0.83	4	18	..
Williamsfield ..	2.77	1.46	4	8	..
Brokenhurst ..	5.18	1.20	5	14	11.50
Shooters Hill ..	2.66	1.45	4	6	5.54
Lowe River ..	3.70	2.41	4	7	6.22
Christiana ..	2.61	0.97	30	11	6.88
Clifton Hill ..	3.62	1.07	5	8	..
Kendal, Manchester	2.82	1.72	4	8	8.30
Mereworth ..	4.98	1.07	6	11	..
Mandeville ..	2.86	0.83	6	10	8.83
Ulster Spring ..	3.52	1.40	4	8	6.29
Marshalls' Pen ..	1.91	0.43	5	8	7.03
Greenvale ..	1.37	0.65	4	7	..
Albert Town ..	4.59	2.60	4	7	5.77
Warsop ..	3.52	2.50	4	6	..

Station.	June, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
West-Central Division, *contd.*					
Troy ..	7.20	4.70	4	3	8.12
Wallingford ..	1.32	0.74	5	4	5.74
Balaclava ..	1.95	1.40	5	4	4.84
Appleton ..	..	..	..	..	..
Deeside ..	9.14	2.24	25	13	..
Maggotty ..	2.80	0.80	30	8	6.51
Lacovia ..	2.42	0.93	30	4	..
Ipswich ..	3.76	1.62	5	12	..
Kempshot ..	8.52	2.50	6	13	8.71
Garlands ..	11.48	2.94	28	13	..
Mocho, St. James ..	2.36	1.00	5	6	..
Bandon Pen ..	10.90	3.03	4	13	..
Springfield, St. Eliz.	..	..	..	..	..
Catadupa ..	5.31	1.23	28	10	10.64
Cambridge, St. Jas.	8.61	1.65	4	15	10.59
New Market ..	5.77	2.70	4	7	8.25
Kew Park ..	9.56	3.05	4	11	9.26
Montpelier ..	8.53	2.77	4	11	..
The Bog ..	7.19	2.86	4	11	9.00
Bethel Town Dist. ..	7.65	1.74	3	15	..
Burnt Ground ..	8.18	2.03	2	14	10.84
Haughton Grove ..	8.30	1.63	4	14	8.88
Darliston ..	3.15	0.90	30	11	10.43
Knockalva ..	7.52	1.00	30	13	10.16
Ramble ..	..	..	..	..	..
Bluefields ..	5.27	1.45	15	14	10.50
Whithorn ..	4.81	0.94	5	12	9.97
Water Works Pen ..	3.11	1.07	4	9	9.69
Askenish ..	13.04	2.85	5	13	..
Grange Hill ..	7.63	2.21	4	14	10.80
King's Vale ..	12.74	1.63	13	22	12.27
Southern Division (S.)					
Morant Point L.H.	3.18	2.46	3	17	6.21
Golden Grove ..	3.65	2.40	3	12	..
Pleasant Hill ..	4.64	2.46	3	24	..
Bowden ..	4.03	1.92	3	15	..
East Prospect ..	4.74	2.61	3	16	7.78
Morant Bay ..	8.65	5.43	3	17	8.71
Petersfield ..	9.30	2.50	2	14	..
Aeolus Valley ..	5.21	1.10	2	19	..
Yallahs ..	2.30	1.14	5	4	..
Easington ..	2.82	0.75	2	14	8.69
Norris ..	2.85	1.05	2	9	..
Mavis Bank ..	0.95	0.50	3	3	..
Bull Bay ..	0.00	..	..	0	4.99
Bellevue ..	2.42	0.76	5	12	4.12
Dallas Castle ..	0.38	0.15	3	4	..
Gordon Town ..	0.40	0.14	4	4	5.18
Irish Town ..	0.92	0.25	2	5	5.10
Hope Gardens ..	0.36	0.12	4	5	5.22
Ivor ..	0.23	0.11	3	3	..
Plumb Point L.H. ..	0.50	0.43	2	2	4.38
King's House Gar. ..	0.00	..	..	0	4.63
Upper Kingston ..	0.43	0.19	3	4	1.04
Kingston P.W.O. ..	0.44	0.21	4	4	4.10
Halfway Tree ..	0.36	0.18	4	3	3.93
Elsdene ..	0.41	0.20	4	5	..
Clifton Pen ..	0.50	0.35	3	3	5.01
Red Hills ..	1.35	0.50	15	5	..

Station.	June, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	0.87	0.25	1	4	3.52
Hematine ..	2.09	1.34	4	5	..
Spanish Town ..	0.82	0.42	3	6	4.71
The Stewartry ..	1.36	0.86	6	5	..
Hog Hole, St. Cath.	1.27	0.76	4	4	5.24
Hartlands ..	1.75	0.70	3	6	5.72
Amity Hall ..	..	..	..	..	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	2.37	0.90	4	6	6.32
May Pen ..	3.63	2.43	4	7	6.25
Glen Muir ..	3.80	3.30	4	2	..
Dry River, Vere ..	..	..	..	..	4.39
Cottage ..	2.04	1.06	4	7	..
Belle Plain ..	3.26	1.07	4	8	..
Milk River ..	2.00	1.57	5	5	6.37
Retrieve ..	4.43	1.76	4	6	..
Hog Hole, S. Man.	4.25	1.20	4	10	..
Stone's Hope ..	5.88	2.01	4	10	8.63
Newport, Man. ..	3.10	0.97	6	15	8.45

Station.	June, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In			In.
Great Valley, Man.	1.95	0.62	2	9	7.15
Alligator Pond ..	0.00	..	..	0	4.59
Fairfield ..	1.71	0.71	4	13	6.44
Lititz ..	0.57	0.24	6	4	2.24
Myersville ..	0.50	0.50	6	1	..
Gilnock ..	1.17	0.57	4	4	..
Southfield, St. Eliz.	2.78	1.25	7	7	3.40
Bethlehem, St. Eliz.	0.88	0.56	7	3	4.23
Torrington ..	1.32	1.15	6	3	3.55
Santa Cruz ..	1.74	1.10	30	4	5.82
Pedro Plains ..	0.55	0.55	7	1	3.69
Mountainside ..	..	..	..	..	..
Fort Charles ..	0.00	..	..	0	..
Black River ..	0.96	0.49	7	3	3.82
Font Hill ..	2.85	1.60	30	3	5.14
Mount Edgecombe	4.69	1.77	16	11	6.35
Sweet River ..	2.18	0.90	25	8	7.11
Sav.-la-Mar ..	5.22	2.15	4	12	6.38
Little London ..	4.03	0.73	13	7	..
Retreat ..	7.05	3.50	4	8	7.10
Negril Point L.H. ..	2.20	0.57	4	7	5.49

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	June. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	2.53	8.66	8	11
Northern ..	3.33	5.25	8	9
West-Central ..	5.37	8.95	10	13
Southern ..	2.13	5.85	7	8
The Island means. ..	3.34	7.18	8	10

Shocks of Earthquake in June, 1929.

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—June.

The mean rainfall for the Island was again very deficient being much less than half of the average. There were good rains in Hanover and parts of Westmoreland and St. James, but the rest of the Island suffered from the continued drought, especially the North-Eastern and Southern Divisions.

Most of this small precipitation appears to have occurred during the first week of the month, particularly on the 4th and 5th.

The mean number of rainy days was eight, as compared with the average of ten; the greatest number being 24 at Bath, St. Thomas.

The greatest total fall was 15.50 inches at Kew, Hanover, and the heaviest fall in 24 hours was 5.43 inches at Morant Bay, St. Thomas, on the 3rd.

The mean rainfall in each parish is given below—

	Inches.		Inches.
Kingston	0.46	St. James ..	4.96
St. Andrew	0.89	Hanover ..	11.15
St. Thomas	4.74	Westmoreland ..	5.85
Portland	3.27	St. Elizabeth ..	2.03
St. Mary	1.83	Manchester ..	3.28
St. Ann	2.60	Clarendon ..	3.06
Trelawny	2.90	St. Catherine ..	2.32

The mean rainfall for the 6 months is given below and shews a total deficiency of 10.75 inches as compared with the 50-year average. It will be observed that only in the month of March was the average exceeded. Last year the rainfall for the first 6 months was 11.33 inches below the average, which was not exceeded in any month.

	1929. Inches.	50-year average. Inches.
January	2.93	4.10
February ..	1.86	3.06
March	4.66	3.42
April	3.41	5.03
May	4.96	9.12
June	3.34	7.18
Total ..	21.16	31.91

City of Kingston.

The total rainfall for June was, again, exceptionally below the 50-year average, being only about one-ninth. There were four rainy days: the 47-year average giving seven rainy days. Greatest fall in 24 hours 0.22 inch on 4th. Then, the aggregate rainfall for Kingston for the first half of the year was 2.65 inches, as against the aggregate of 12.31 inches for the 50-year normal, being less than one-quarter. The upper boundary of Kingston gauged 0.43 inch, with four rainy days. Rain was observed on the nearby hills to north on 4th, 15th and 30th. To N.E. on 30th. To south on 3rd. To N.W. on 25th and 30th.

The mean of the daily miles of wind, registered, was 287 as compared with the 20-year normal of 239, shewing 20% in excess. Maximum number of miles of wind in one day was 456 on 22nd, and minimum 99 on 4th. South easterly wind prevailed early on 14 days, and continued late into the evenings on 22 days. Prolonged throughout the night on 1st, 7th to 10th, also on 21st and 22nd.

Mean barometric pressure 29.937 inches, and the 33-year normal being 29.932 inches. Highest barometer reading 29.997 inches on 13th at 7 a.m., and the lowest 29.870 inches on 10th and 21st at 7 a.m., (correc. for diur. var.).

The mean temperature, based upon four observations per day, was 81.0 degrees, the 33-year normal being 80.9 degrees. The first half of the month was 0.8 degree lower than the second half. Maximum temperature was above 90 degrees on 4 days, and the minimum temperature was above 70 degrees throughout. Highest maximum temperature 90.9 degrees on 14th, and lowest minimum 71.9 degrees on 17th. The daily greatest range of temperature was 17.4 degrees on 14th, and the least 5.8 degrees on 3rd. Then, the highest minimum was 80.1 degrees on 23rd owing to the prevailing S.E. wind all the previous night, and the lowest maximum 80.7 degrees on 3rd attributable to rainy and overcast conditions.

The mean relative humidity was 2% below the 33-year normal, arising from the continued deficiency of rainfall. Mean 7 a.m. 77%, and the mean 3 p.m. 68%. Lowest 7 a.m. 66% on 23rd, and lowest 3 p.m. 49% on 14th.

Distant lightning was observed at night to north on 5th and 6th. To N.E. on 5th, 6th, 16th and 25th. To east on 16th and 29th. To south on 30th. Distant thunderstorm to north on 4th, 15th and 30th. To N.E. on 15th. To N.W. on 25th. On the 4th the thunderstorm continued in the afternoon at intervals.

The sky was overcast in the early morning on 16 occasions, and in the afternoon on 18 occasions, and light haze was observed a few mornings.

Complete solar halos witnessed on 6th, 9th, 13th and 30th, and partial ones on 10th and 12th. Lunar halos seen on 12th and 13th at about 9 p.m.

The total Evaporation for the month was 8.27 inches.

Mean number of daily sunshine hours (for ten days, only) was 10.3.

J. F. Brennan,
Government Meteorologist.

Kingston, July 20th, 1929.

No. 626.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JULY, 1929.

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	30.044	29.991	82.2	84.3	85.9	78.4	7.5	88.1	17	74.0	31	14.1
Kingston	24	29.986	29.932	76.4	87.1	89.9	73.8	16.1	93.3	24	71.6	26	21.7
Negril Point Light House	33	29.986	29.958	77.6	86.2	89.7	72.2	17.5	94.0	6	67.6	16	26.4
Castleton Gardens	496	..	..	70.0	83.5	90.0	69.0	21.0	94.0	26	66.0	21	28.0
Hope Gardens†	668	29.995	29.928	76.3	87.3	91.5	71.1	20.4	95.0	25*	69.0	31	26.0
Stony Hill Indus. School	1,400	..	..	68.2	78.1	80.1	65.6	14.5	85.0	2*	65.0	3*	20.0
Hill Gardens	4,900	25.306	25.287	64.5	70.5	75.4	59.0	16.4	79.0	17	56.0	31	23.0

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	79	75	75	2.68	332	E	17.0	ENE	16.0	2.7	1.5	1.1	1.4	2.4	2.0
Kingston ..	24	69	78	72	62	0.65	243	NNE	4.1	SE	22.8	1.3	0.1	2.5	2.1	1.4	2.5
Negril Point Light House	33	71	79	75	70	10.02	179	NE	7.6	SSE	10.0	0.6	0.3	4.0	3.5	4.3	0.5
Castleton Gardens ..	496	67	90	77	80	2.21	..	..	..	..	..	..	..	..	..	..	—
Hope Gardens	668	67	71	77	72	1.18	..	..	..	..	..	..	..	..	..	..	—
Stony Hill Indus. Schl.	1,400	..	..	..	..	3.06	..	..	..	..	..	..	..	..	..	..	—
Hill Gardens	4,900	60	84	65	83	1.52	..	..	..	..	..	..	..	..	..	..	—

* And on other days.

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

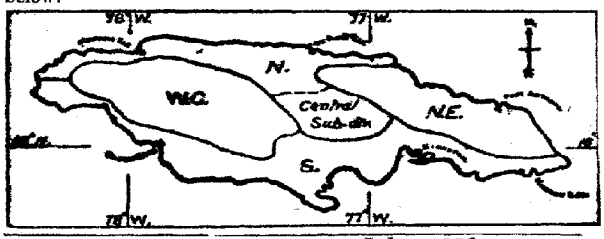
LIBRARY
SEP 27 1929
WEATHER BUREAU

THE RAINFALL.

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

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

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



STATION.	July, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal ..	5.07	2.10	28	8	6.21
Priestman's River ..	7.76	2.30	19	17	..
Fairy Hill ..	6.24	1.45	28	16	..
Bath ..	7.64	2.05	28	14	8.76
Millbank ..	20.81	4.42	23	15	..
Moore Town ..	13.31	3.00	27	16	17.72
Port Antonio ..	11.59	2.35	18	14	10.84
Passley Garden ..	13.46	2.41	27	27	..
Fellowship ..	15.38	3.61	28	22	15.06
Johnson River Br. ..	5.31	0.86	19	13	7.03
Trinity Ville ..	4.79	1.00	28	8	..
Shrewsbury ..	12.37	7.25	28	13	9.29
Hope Bay ..	9.16	3.44	28	18	..
Cedar Valley ..	2.27	1.00	28	5	4.79
Moy Hall ..	2.29	1.09	28	8	..
Paradise ..	11.51	5.60	28	11	..
Lennox ..	10.00	4.80	28	14	..
Greenvale ..	3.40	2.13	29	5	3.73
Spring Garden ..	6.53	3.10	28	11	5.49
Hill Gardens ..	1.52	1.00	28	5	3.64
Buff Bay ..	7.09	2.90	28	11	6.93
Orange Vale ..	4.72	2.75	28	8	..
Belvedere, Portland	4.31	3.53	28	4	
Windsor Castle do	4.49	2.00	28	6	3.98
Balcarres ..	1.93	1.50	28	3	..
Mt. Holstein ..	2.38	1.11	28	7	5.24
Cedar Hurst ..	1.59	1.11	28	4	..
Hardware Gap ..	1.72	1.10	28	4	4.19
Rose Hill ..	1.93	0.78	18	6	5.92
Hermitage ..	1.31	0.59	18	5	..
Mount James ..	3.55	1.30	19	7	..
Stony Hill Ind. Schl.	3.06	1.08	13	7	5.16
Iter Boreale ..	..	..	..	..	..
Enfield ..	2.04	1.63	28	3	..

STATION.	July, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale ..	2.32	1.05	28	6	3.62
Castleton Gardens	2.21	1.12	18	5	6.12
Water Valley ..	2.33	0.63	28	7	3.52
Albany ..	2.49	0.73	24	7	..
Lawrence Tavern ..	2.72	0.80	31	8	5.15
Richmond, St. Mary	0.95	0.69	28	3	3.54
Quebec, St. Mary ..	2.93	0.85	28	6	3.51
Zion Hill ..	4.65	1.40	30	6	..
Carew Castle ..	6.62	1.28	30	10	6.44
Hampstead, St. Mary	1.29	0.32	6	9	3.61
Windsor Castle do	1.25	0.60	9	3	..
Troja ..	1.87	0.66	1	7	..
Pear Tree Grove ..	0.91	0.49	9	2	..
Guy's Hill ..	2.28	1.30	19	3	..
Lucky Hill ..	1.84	0.35	24	7	3.60
Rio Hoe ..	2.57	0.84	1	6	4.24
Unity Valley ..	4.64	1.31	23	11	5.59
Moneague ..	3.06	1.09	23	9	4.52
Claremont ..	1.73	0.75	20	3	3.35
Averham Park ..	2.03	1.00	22	4	3.06
Albion ..	1.62	0.57	23	9	4.09
NORTHERN DIVISION (N).					
Port Maria ..	5.87	1.72	28	12	4.05
Eden Park ..	4.18	1.30	28	14	..
Oracabessa ..	4.51	0.90	28	9	..
New Ramble ..	..	..	..	..	2.87
Huddersfield ..	3.92	1.11	27	8	..
Ocho Rios ..	2.56	0.74	28	3	2.24
Bogue, Ocho Rios ..	1.57	0.70	22	5	2.89
Drax Hall ..	0.80	0.31	27	4	2.89
Rockfield ..	1.26	0.53	22	7	3.39
Liberty Hill ..	0.87	0.41	22	3	2.33
St. Ann's Bay ..	1.20	0.67	28	5	3.01
Seville ..	1.13	0.42	22	3	2.53
Richmond Estate ..	0.40	0.18	28	4	2.31
Llandovery ..	0.69	0.40	28	3	2.09
Runaway Bay ..	0.16	0.16	28	1	..
Knapdale ..	1.30	0.44	22	6	..
Alexandria ..	2.22	1.00	18	6	..
Bell-Air ..	0.65	0.35	28	3	..
Brown's Town ..	1.33	1.06	18	4	2.55
Watt Town, St. Ann	0.91	0.91	28	1	..
Home Castle ..	0.70	0.50	1	2	2.20
Richmond Pen ..	1.05	0.35	28	7	3.12
Bryan Castle ..	0.65	0.25	28	3	1.83
Braco ..	0.25	0.25	28	1	1.65
Arcadia ..	0.66	0.35	1	3	2.22
Vale Royal ..	..	..	..	..	2.76
Harmony Hall ..	0.86	0.37	1	..	1.55
Colchis Pen ..	4.46	1.05	29	8	3.04
Duncans ..	0.36	0.23	28	2	..
Clark's Town ..	2.40	1.00	9	3	..
Carey Park ..	0.41	0.41	28	1	..
Falmouth ..	0.75	0.51	10	7	1.54
Canaan ..	5.03	1.26	1	9	4.47
Grange ..	0.65	0.40	19	2	..
Success ..	0.50	1.25	19	2	1.49

Station.	July, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Northern Division, *contd.*					
Rose Hall ..	1.10	0.60	19	2	1.29
Cinnamon Hill ..	1.20	0 75	19	2	1.34
Tryall ..	1.70	0.80	19	3	4.92
Running Gut ..	1.20	0.90	19	2	1.38
Spring Estate ..	1.35	0.50	9	3	1.87
Friendship ..	1.96	0.84	28	8	..
Retirement ..	2.68	1.13	28	10	3.91
Belfield ..	3.01	1.11	28	8	2.90
Montego Bay ..	1.58	0.53	28	7	3.46
Anchovy ..	1.76	0.42	28	9	4.69
Bamboo–Hanover ..	4.26	1.76	28	6	..
Blue Hole ..	..	..	..	..	..
Kew ..	4.00	2.20	7	8	5.35
Lucea ..	3.86	1.30	23	8	5.43
Haughton Court ..	5.05	1.90	9	6	4.97
Cousins Cove ..	7.72	1.52	18	11	..
Green River ..	10.60	1.80	28	18	..
Green Island ..	12.52	1.83	19	18	..
Haughton Hall ..	9.96	2.32	28	21	..
Central Sub-Division.					
Knollis ..	6.82	2.50	28	11	..
Highgate ..	5.49	1.59	27	12	..
Rio Magno ..	2.24	1.02	19	5	..
Riversdale ..	5.60	1.25	10	13	..
Headworks, R.C.C	0.71	0.28	28	4	3.34
Bog Walk ..	4.60	2.00	6	9	..
Linstead ..	2.39	0.60	28	12	6.21
Cave Valley ..	5.80	1.50	18	7	4.66
Guanaboa Vale ..	3.34	1.10	23	7	..
Point Hill ..	3.51	1.05	27	12	6.72
Bellas Gate ..	..	..	..	..	..
Rock River ..	1.28	0.46	27	5	..
Crofts Hill ..	3.25	1.50	28	6	3.10
Suttons ..	..	..	..	..	..
Chapelton ..	2.67	0.95	17	5	3.35
Crooked River ..	2.95	0.77	18	9	..
Trout Hall ..	5.09	1.10	18	9	5.02
James Hill ..	..	..	..	..	..
Frankfield ..	4.10	0.80	18	11	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	0.62	0.42	22	3	3.99
Clarendon Park ..	1.41	1.19	22	4	..
Spaldings ..	2.82	1.40	27	13	..
Williamsfield ..	2.94	1.56	22	10	..
Brokenhurst ..	3.63	1.42	17	6	5.23
Shooters Hill ..	3.75	1.17	22	11	5.20
Lowe River ..	5.16	2.10	28	7	4.16
Christiana ..	2.32	0.75	18	12	4.40
Clifton Hill ..	3.82	1.65	23	7	..
Kendal, Manchester	3.49	1.29	22	8	5.52
Mereworth ..	1.89	0.75	22	6	..
Mandeville ..	3.04	1.08	22	6	5.44
Ulster Spring ..	3.96	1.12	28	15	5.12
Marshalls' Pen ..	4.26	1.66	17	8	5.05
Greenvale ..	1.64	0.48	17	8	..
Albert Town ..	2.50	1 20	28	6	4.90
Warsop ..	4.24	1.26	31	12	..

Station.	July, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
West-Central Division, *contd.*					
Troy ..	4.98	1.20	27	9	6.93
Wallingford ..	7.08	2.50	17	11	5.44
Balaclava ..	6.26	1.46	17	10	4.67
Appleton ..	..	..	..	..	..
Deeside ..	5.47	0.89	1	9	..
Maggotty ..	10.31	1.43	17	16	8.41
Lacovia ..	7.25	1.75	13	12	..
Ipswich ..	17.10	2.28	18	17	..
Kempshot ..	4.39	1.50	28	11	5.88
Garlands ..	8.12	1.81	11	11	..
Mocho, St. James ..	9.16	1.50	18	20	..
Bandon Pen ..	5.45	2.27	28	8	..
Springfield, St. Eliz.	..	..	..	..	..
Catadupa ..	9.49	2.32	18	16	9.60
Cambridge, St. Jas.	10.34	3.05	18	18	10.37
New Market ..	10.31	2.37	31	16	7.53
Kew Park ..	8.16	1.66	27	16	10.00
Montpelier ..	6.02	2.19	18	5	..
The Bog ..	8.95	1.64	8	16	9.25
Bethel Town Dist. ..	16.87	2.21	27	20	..
Burnt Ground ..	9.87	1.85	18	18	9.04
Haughton Grove ..	9.31	1.10	28	18	8.46
Darliston ..	11.00	1.30	31	21	11.25
Knockalva ..	..	..	..	..	8.28
Ramble ..	..	..	..	..	..
Bluefields ..	9.82	2.00	31	18	9.68
Whithorn ..	13.02	2.12	27	20	10.36
Water Works Pen ..	13.00	2.50	27	22	9.14
Askenish ..	..	..	..	..	..
Grange Hill ..	10.33	2.52	28	18	11.58
King's Vale ..	11.34	2.79	27	20	10.46
Southern Division (S.)					
Morant Point L.H.	2.68	0.73	28	12	3.40
Golden Grove ..	4.31	1.10	11	9	..
Pleasant Hill ..	4.72	1.08	18	13	..
Bowden ..	2.80	0.78	28	14	..
East Prospect ..	3.73	1.14	28	13	5.19
Morant Bay ..	3.83	1.39	28	13	5.61
Petersfield ..	9.85	2.00	28	14	..
Aeolus Valley ..	3.78	0.80	28	10	..
Yallahs ..	1.20	0.96	20	3	..
Easington ..	3.03	0.91	19	10	5.43
Norris ..	3.50	0.50	2	7	..
Mavis Bank ..	2.30	1.28	17	3	..
Bull Bay ..	1.05	0.55	24	2	2.09
Bellevue ..	2.00	0.76	28	10	2.04
Dallas Castle ..	1.15	0.32	28	6	..
Gordon Town ..	1.55	0.76	18	4	2.49
Irish Town ..	2.01	1.51	18	2	1.62
Hope Gardens ..	1.18	0.35	28	7	2.59
Ivor ..	2.29	1.12	18	5	..
Plumb Point L.H. ..	0.91	0.53	27	4	1.86
King's House Gar. ..	0.60	0.30	28	2	2.61
Upper Kingston ..	0.86	0.52	28	4	1.65
Kingston P.W.O. ..	0.65	0.43	29	3	1.62
Halfway Tree ..	0.78	0.60	28	3	1.59
Clifton Pen ..	1.08	0.50	28	4	1.32
Red Hills ..	1.29	0.50	28	4	..

Station	July, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	0.40	0.40	28	1	0.91
Hematine ..	0.73	0.33	28	4	..
Spanish Town ..	0.71	0.34	27	4	2.10
The Stewartry ..	0.85	0.24	27	5	..
Hog Hole, St. Cath.	0.69	0.28	15	4	2.40
Hartlands ..	0.25	0.13	27	2	0.98
Amity Hall ..	..	..	..	..	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	0.18	0.10	27	2	2.23
May Pen ..	2.09	1.23	22	4	3.04
Glen Muir ..	2.70	2.20	22	2	..
Dry River, Vere ..	..	..	..	..	1.43
Cottage ..	0.34	0.24	27	4	..
Belle Plain ..	2.64	2.30	23	3	..
Milk River ..	1.02	0.62	27	2	2.03
Retrieve ..	1.25	1.25	22	1	..
Hog Hole, S. Man.	2.78	1.68	17	4	..
Stone's Hope ..	2.87	1.50	17	6	6.36
Newport, Man. ..	2.62	1.36	30	8	3.54

Station	July, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Great Valley, Man.	3.71	3.30	17	2	3.11
Alligator Pond ..	3.30	2.90	17	3	2.26
Fairfield ..	1.90	0.95	17	9	2.58
Lititz ..	1.11	0.64	17	4	1.52
Myersville ..	0.24	0.24	16	1	..
Gilnock ..	2.15	0.82	17	4	..
Southfield, St. Eliz.	1.46	1.18	17	4	1.88
Bethlehem, St. Eliz.	0.95	0.60	17	5	2.90
Torrington ..	0.60	0.47	15	2	2.35
Santa Cruz ..	4.39	1.54	30	11	9.02
Pedro Plains ..	0.30	0.30	16	1	1.56
Mountainside ..	0.39	0.32	7	2	..
Fort Charles ..	0.11	0.11	17	1	..
Black River ..	1.76	0.35	30	12	4.70
Font Hill ..	1.85	0.70	22	8	5.46
Mount Edgecombe	6.31	1.97	31	12	6.96
Sweet River ..	..	..	..	..	7.61
Sav.-la-Mar ..	5.70	1.24	18	15	6.19
Little London ..	9.88	3.08	28	14	..
Retreat ..	10.33	2.63	28	13	7.54
Negril Point L.H. ..	10.02	1.95	12	16	5.70

Notes

Comparative Table of Rainfall and Rainy Days

Divisional and Island Rainfall.	July. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	4.49	5.68	9	10
Northern ..	2.11	3.22	6	7
West-Central ..	7.17	7.52	12	13
Southern ..	2.32	3.18	6	7
The Island means. ..	4.02	4.90	8	9

Shocks of Earthquake in July, 1929.

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—July.

The mean rainfall for the Island was somewhat less than the average, particularly in the Northern and Southern Divisions. Most of the precipitation occurred towards the end of the month, with marked preponderance on the 28th.

The greatest total fall was 20.81 inches at Millbank in Portland, and the heaviest fall in 24 hours was 7.25 inches at Shrewsbury in the same parish on the 28th.

The mean number of rainy days was 8, as compared with the average of 9; the greatest number being 27 at Passley Garden, Portland.

The mean rainfall in each parish is given below:—

	Inches.		Inches.
Kingston	0.81	St. James ..	3.83
St. Andrew	1.74	Hanover ..	7.71
St. Thomas	4.15	Westmoreland ..	10.34
Portland	8.24	St. Elizabeth ..	4.09
St. Mary	2.72	Manchester ..	2.90
St. Ann	1.70	Clarendon ..	2.35
Trelawny	2.47	St. Catherine ..	2.61

City of Kingston.

The total rainfall for July was only 0.65 inch, or 40% of the 50-year normal of 1.62 inch. There were three rainy days as against five of the 47-year average. Greatest fall in 24 hours 0.43 inch on 29th. The upper boundary of Kingston gauged 0.87 inch with 4 rainy days. Rain was observed on the nearby hills to north on 8th, 17th, 19th and 27th. To N.E. on 13th, 17th, 18th and 30th. To S.E. on 15th. To south on 20th. To west on 30th, and to N.W. on 7th, 13th, 17th, 20th and 30th.

The mean of the daily miles of wind registered was 243, as compared with the 20-year normal of 227, shewing 7% in excess. Maximum number of miles of wind in one day 313 on 2nd, and minimum 114 on 17th. Southeast wind prevailed early on 3 days, and continued late into the evenings on 9 days. Moderate S.E. rainsqualls on 20th and 28th.

Mean barometric pressure 29.970 ins., and the 33-year normal 29.960 ins. Highest barometric reading 30.052 ins. on 15th at 3 p.m., also high pressure of 30.048 ins. on 25th at 7 a.m. Lowest barometer 29.904 ins. on 18th at 3 p.m. (correc. for diur. var.)

The mean temperature, based upon four observations per day, was 81.3 degrees the 33-year normal being 81.4 degrees. The first half of the month was 0.4 degree higher than the second half. Maximum temperature was above 90 degrees on 17 days, and minimum temperature was above 70 degrees throughout. Highest maximum temperature 93.4 degrees on 24th, and lowest minimum 71.6 degrees on 26th. The daily greatest range of temperature was 20.1 degrees on 26th, and least 10.4 degrees on 22nd. Then, the highest minimum was 77.4 degrees on 20th, and there was very little land breeze the previous night, and the lowest maximum was 85.5 degrees on 22nd, owing to overcast conditions.

The mean relative humidity was 74%, as against the 33-year normal of 76%, owing to rainfall deficiency. Mean 7 a.m. 79%, and mean 3 p.m. 62%. Lowest 7 a.m. 66% on 26th, and lowest 3 p.m. 45% on 25th.

Distant lightning was observed at night to North on 13th and 22nd. To N.E. on 6th, 7th, 8th, 11th, 13th, 21st, 24th, 27th and 28th. To east on 12th, 14th, 15th, 20th (vivid) and 28th. To south on 28th. To N.W. on 24th. Thunderstorm to north on 18th, 19th 22nd 28th and 31st. To N.E. on 22nd. To east on 15th. To south on 28th. Moderate local thunderstorm on 17th.

The sky was overcast in the early morning on 10th occasions, and in the afternoon on 17th occasions. Dense haze was observed from 1st to 5th, and it also prevailed at Morant Point and at Negril Point, more marked at the latter Station.

The total evaporation for the month was 9.74 inches, being the highest on record for the past 6 years. The 60-year average for July being 8.03 ins.

Mean number of daily sunshine hours 9.1.

Drought, Lower Liguanea, St. Andrew.

There was a period of drought, throughout, from January to June 1929, when the rainfall for Kingston and Lower St. Andrew was about one-quarter of the normal. Mr. J. R. Scotland, of Elsdene, near to Halfway Tree, maintains a rain-gauge and standard therm meters exposed in a Stenenson's Screen, and he has supplied a copy of each month's observations for the first half of the year, 1929.

A Table is given shewing the mean results at this Station. The elevation is 171 feet above sea level, which is about 60 feet higher than the Kingston Station where observations are also conducted daily. It will be seen that the mean temperature at Elsdene (for the period under review) is 77.4 degrees as compared with 77.6 degrees at Kingston, shewing a difference of 0.2 degree, which difference nearly corresponds with the accepted value of 1 degree decrease for every 300 feet increase of altitude. The total rainfall at Elsdene was 3.19 ins. and Kingston 2.65 ins. for the six months. But the relative humidity at Elsdene, however, shews about 4½% less than that at Kingston, therefore giving instrumental evidence of the effect of the drought recently felt in Lower Liguanea.

J. F. Brennan,
Government Meteorologist.

Kingston, August 20th, 1929.

Meteorological Results.

At Elsdene—Hagley Park Road (near Halfway Tree), St. Andrew, supplied by Mr. J. R. Scotland, from January to June, 1929. Elevation 171 feet.

Month.	Temperature.						Extreme Temperature.					Humidity %	
	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Dte.	Min.	Dte.	Range.	7 a.m.	7 p.m.
	°	°	°	°	°	°	°		°		°		
January ..	76.2	68.5	84.2	87.4	66.6	20.8	91.0	3	62.5	29	28.5	81	57
February ..	75.1	67.7	83.6	85.2	66.0	19.2	91.0	14	64.0	7	27.0	75	57
March ..	76.5	70.6	83.4	86.3	67.7	18.6	90.0	25	64.0	2	26.0	77	58
April ..	76.7	73.4	81.8	85.3	68.3	17.0	89.0	25	65.0	6	24.0	75	64
May	79.2	76.6	84.1	87.5	70.6	16.9	91.5	11	66.0	2	25.5	72	61
June	80.7	78.2	85.6	88.2	72.9	15.3	92.0	29	70.0	4	22.0	75	61
Means ..	77.4	72.5	83.8	86.6	68.7	17.9	90.7	..	65.2	..	25.5	76	60

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AGRICULTURE

No. 628.

The United States Council for Dept. of State
Washington D.C. (3)

U.S. DEPARTMENT OF AGRICULTURE
OCT 14 1929
DIVISION OF STATISTICAL AND HISTORICAL SUPERINTENDENT
FREE
PRINTING OFFICE

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

AUGUST, 1929.

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	29.955	29.926	82.1	84.9	86.6	77.5	9.1	87.8	20*	71.3	9	16.5
Kingston	24	29.937	29.895	75.5	84.2	88.6	73.6	15.0	92.9	29	70.2	13	22.7
Negril Point Light House	33	29.936	29.907	76.3	83.4	88.5	72.7	15.8	92.0	20	70.0	1	22.0
Castleton Gardens	496	..	..	70.5	80.2	87.8	69.5	18.3	91.0	4*	67.0	5*	24.0
Hope Gardens†	668	29.957	29.891	74.2	84.2	88.4	71.9	16.5	92.0	3*	69.0	5	23.0
Stony Hill Indus. School	1,400	..	..	68.2	78.3	80.2	65.0	15.2	81.0	1*	63.0	13	18.0
Hill Gardens	4,900	25.285	25.265	64.2	67.8	71.0	58.8	12.2	74.0	22	56.0	13	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.		
	ft.	°	%	°	%	in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	76	80	76	75	3.46	282	NE	13.0	ENE	12.5	1.6	2.6	2.2	0.7	3.0	1.9
Kingston ..	24	71	86	75	73	6.27	165	NNE	4.3	SE	13.5	1.4	0.3	2.5	6.7	0.6	0.9
Negril Point Light House	33	72	88	75	77	6.60	166	NE	7.1	NE	8.5	0.3	1.0	5.3	1.3	7.3	0.5
Castleton Gardens ..	496	68	90	76	86	12.12	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69	84	75	76	4.65	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	6.40	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	62	92	65	89	5.68	..	..	..	..	..	..	..	..	..	..	..

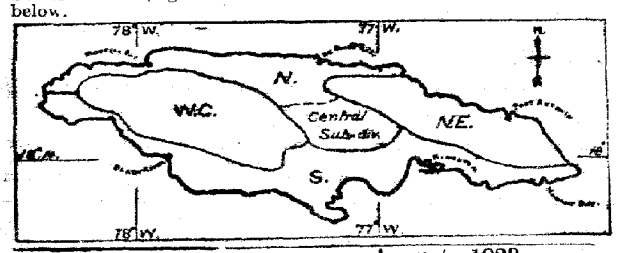
* And on other days. † Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.	August, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal ..	9.41	2.70	31	15	..
Priestman's River ..	7.45	3.10	31	16	..
Fairy Hill ..	13.87	3.28	31	19	..
Bath ..	13.05	2.50	31	23	9.91
Millbank ..	29.06	6.52	31	17	..
Moore Town ..	34.17	10.00	31	19	15.54
Port Antonio ..	31.00	10.37	1	17	11.35
Passley Garden ..	29.20	10.30	31	25	..
Fellowship ..	26.82	6.27	31	23	14.01
Johnson River Br. ..	12.70	2.09	31	21	10.60
Trinity Ville ..	11.15	3.80	22	16	..
Shrewsbury ..	17.82	8.35	31	15	8.71
Hope Bay ..	15.19	6.10	31	18	..
Cedar Valley ..	7.63	2.35	31	9	10.24
Moy Hall ..	7.54	1.90	31	19	..
Paradise ..	12.96	6.10	31	16	..
Lennox ..	17.68	10.90	31	13	..
Greenvale ..	7.22	2.70	8	6	6.06
Spring Garden ..	7.14	2.50	30	9	5.85
Hill Gardens ..	5.68	2.02	8	13	8.38
Buff Bay ..	13.06	8.75	31	11	5.30
Orange Vale ..	10.08	4.28	8	6	..
Belvedere, Portland	9.00	1.75	8	9	..
Windsor Castle do	9.25	5.75	31	8	4.47
Balcarres ..	8.13	3.10	9	6	..
Mt. Holstein ..	12.31	2.93	8	14	7.11
Cedar Hurst ..	6.43	2.00	12	15	..
Hardware Gap ..	9.75	1.80	12	16	7.24
Rose Hill ..	7.15	1.42	7	20	10.52
Hermitage ..	6.67	1.44	7	19	..
Mount James ..	9.58	1.45	22	21	..
Stony Hill Ind. Schl.	6.40	0.92	6	17	9.45
Iter Boreale ..	8.64	5.03	31	6	..
Enfield ..	3.78	1.50	30	7	..

STATION.	August, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale ..	8.46	2.86	30	8	4.03
Castleton Gardens	12.12	2.70	18	19	10.16
Water Valley ..	10.22	2.73	31	7	4.29
Albany ..	8.33	3.12	30	10	..
Lawrence Tavern ..	13.45	2.10	12	18	8.43
Richmond, St. Mary	10.40	3.00	25	12	5.13
Quebec, St. Mary ..	9.08	4.61	30	9	3.76
Zion Hill ..	13.23	2.80	24	13	..
Carew Castle ..	8.92	1.38	31	14	10.24
Hampstead, St. Mary	8.26	2.35	30	16	4.16
Windsor Castle do	11.64	2.40	23	15	..
Troja ..	8.05	2.04	9	14	..
Pear Tree Grove ..	10.67	2.00	8	16	..
Guy's Hill ..	6.22	1.50	8	13	..
Lucky Hill ..	9.73	2.55	30	19	4.68
Rio Hoe ..	8.08	2.70	29	8	6.00
Unity Valley ..	11.00	2.20	25	18	6.70
Moneague ..	10.98	3.46	25	13	6.66
Claremont ..	9.13	2.15	8	13	5.17
Averham Park ..	9.19	2.58	8	15	4.75
Albion ..	12.72	3.14	12	14	6.16
NORTHERN DIVISION (N).					
Port Maria ..	9.10	4.50	31	14	4.79
Eden Park ..	5.60	3.62	30	10	..
Oracabessa ..	6.30	2.50	30	6	..
New Ramble ..	11.25	4.35	30	9	5.44
Huddersfield ..	6.46	2.87	30	7	..
Ocho Rios ..	5.72	1.82	31	9	2.07
Bogue, Ocho Rios ..	7.10	4.00	31	6	4.23
Drax Hall ..	5.77	2.28	31	9	3.61
Rockfield ..	8.92	2.48	30	11	4.19
Liberty Hill ..	7.16	1.22	30	10	3.20
St. Ann's Bay ..	5.41	2.27	31	11	2.91
Seville ..	5.99	1.40	31	10	3.62
Richmond Estate ..	4.25	1.24	30	10	3.12
Llandovery ..	5.97	1.80	31	7	2.73
Runaway Bay ..	2.58	0.71	8	10	..
Knapdale ..	4.78	0.75	24	13	..
Alexandria ..	4.57	1.26	22	13	..
Bell-Air ..	4.75	1.30	8	11	..
Brown's Town ..	5.04	1.54	8	15	4.27
Watt Town, St. Ann	2.76	0.60	30	4	..
Home Castle ..	5.55	1.50	16	7	3.56
Richmond Pen ..	4.83	0.75	24	18	5.28
Bryan Castle ..	4.75	1.75	16	8	2.80
Braco ..	2.95	1.30	16	10	2.63
Arcadia ..	..	..	..	..	3.42
Vale Royal ..	..	..	..	..	4.33
Harmony Hall ..	..	..	..	..	2.40
Colchis Pen ..	7.24	1.25	12	10	5.16
Duncans ..	2.14	0.50	16	8	..
Clark's Town ..	5.19	1.80	16	9	..
Carey Park ..	..	..	..	..	..
Falmouth ..	2.68	0.92	25	8	2.61
Canaan ..	10.87	3.00	10	14	5.50
Grange ..	1.80	1.40	1	2	..
Success ..	2.85	0.85	1	5	2.13

Station.	August, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
Northern Division, *contd.*	In.	In.			In.
Rose Hall	1.95	1.50	1	5	2.05
Cinnamon Hill	1.60	1.25	1	5	2.24
Tryall	2.60	1.50	1	4	6.61
Running Gut	2.50	1.75	1	5	2.59
Spring Estate	2.85	1.70	1	4	2.70
Friendship	8.13	4.95	1	12	..
Retirement	8.88	3.90	1	16	6.24
Belfield	10.86	4.73	1	12	3.68
Montego Bay	7.58	3.14	1	14	5.36
Anchovy	2.00	0.35	1	15	8.16
Bamboo-Hanover	7.38	1.31	9	19	..
Blue Hole	9.59	1.83	17	12	..
Kew	12.90	2.35	21	17	7.77
Lucea	8.00	2.05	21	17	6.48
Haughton Court	9.10	2.05	21	15	6.71
Cousins Cove	..	..	..	..	..
Green River	15.06	2.05	22	18	..
Green Island	15.40	3.03	17	21	..
Haughton Hall	17.34	2.83	1	24	..
Central Sub-Division.					
Knollis	7.57	1.65	13	13	..
Highgate	10.28	2.74	11	22	..
Rio Magno	10.04	1.65	16	12	..
Riversdale	12.97	3.08	16	18	..
Headworks, R.C.C	8.84	2.45	4	15	5.58
Bog Walk	8.80	1.50	14	11	..
Linstead	6.36	1.26	16	17	8.62
Cave Valley	7.01	0.82	22	10	7.53
Guanaboa Vale	9.50	2.15	4	19	..
Point Hill	9.99	3.30	6	18	11.25
Bellas Gate	9.89	1.00	31	11	..
Rock River	5.61	1.72	23	12	..
Crofts Hill	4.15	1.30	31	9	7.16
Suttons	..	..	..	..	..
Chapelton	5.15	1.64	31	9	6.66
Crooked River	..	..	..	..	..
Trout Hall	10.09	4.25	6	12	9.19
James Hill	..	..	..	..	..
Frankfield	7.92	2.65	6	19	..
West-Central Division (W.C.)					
Mocho, Clarendon	5.87	1.00	14	15	7.44
Clarendon Park	..	..	..	..	..
Spaldings	7.18	1.32	1	22	..
Williamsfield	9.63	1.65	31	17	..
Brokenhurst	8.79	2.49	31	15	8.24
Shooters Hill	8.52	1.27	1	18	8.02
Lowe River	6.46	2.47	2	13	8.78
Christiana	9.05	1.42	22	22	7.23
Clifton Hill	10.09	2.65	31	16	..
Kendal, Manchester	7.88	1.75	1	16	7.75
Mereworth	9.02	2.80	31	22	..
Mandeville	9.22	2.41	5	14	8.79
Ulster Spring	9.41	2.00	11	15	8.19
Marshalls' Pen	8.44	1.58	31	16	8.35
Greenvale	..	..	..	..	..
Albert Town	9.74	2.00	4	17	8.84
Warsop	8.81	1.85	11	19	..

Station.	August, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average
West-Central Division, *contd.*	In.	In.			In.
Troy	11.06	1.50	16	18	10.73
Wallingford	10.39	2.73	23	19	10.30
Balaclava	6.67	1.51	11	10	7.45
Appleton	..	..	..	..	..
Deeside	10.76	2.75	17	9	..
Maggotty	12.77	2.44	30	18	10.96
Lacovia	10.43	2.54	1	19	..
Ipswich	15.99	1.69	9	18	..
Kempshot	9.14	3.10	1	20	8.34
Garlands	9.13	1.54	13	18	..
Mocho, St. James	9.59	1.50	1	22	..
Bandon Pen	13.15	2.37	1	19	..
Springfield, St. Eliz.	..	..	..	..	..
Catadupa	12.78	2.00	29	21	13.84
Cambridge, St. Jas.	13.26	3.61	1	20	11.82
New Market	15.06	1.90	15	18	12.32
Kew Park	14.83	2.75	25	20	..
Montpelier	14.12	3.79	1	18	..
The Bog	14.20	2.33	13	22	13.67
Bethel Town Dist.	12.02	1.95	1	23	..
Burnt Ground	11.86	2.04	1	22	11.00
Haughton Grove	10.58	1.37	1	19	11.44
Darliston	11.14	1.33	1	24	14.96
Knockalva	14.96	2.35	24	21	12.38
Ramble	..	..	..	..	..
Bluefields	20.64	3.02	25	26	11.83
Whithorn	14.49	1.75	22	22	11.65
Water Works Pen	17.24	2.53	12	23	12.78
Askenish	12.90	1.35	7	18	..
Grange Hill	14.76	2.48	12	27	12.31
King's Vale	12.53	1.83	28	22	10.65
Southern Division (S.)					
Morant Point L.H.	3.46	0.66	31	19	5.25
Golden Grove	7.71	1.75	31	17	..
Pleasant Hill	7.88	1.22	31	25	..
Bowden	7.32	1.30	31	21	..
East Prospect	6.32	2.00	31	16	7.36
Morant Bay	7.88	4.18	31	21	6.52
Petersfield	16.60	3.20	23	18	..
Aeolus Valley	9.15	2.50	31	15	..
Yallahs	8.22	3.60	31	9	..
Easington	5.71	3.10	31	18	7.02
Norris	..	..	..	..	..
Mavis Bank	2.79	0.93	31	6	..
Bull Bay	3.07	2.70	31	3	2.78
Bellevue	4.77	1.55	31	19	6.50
Dallas Castle	6.84	3.18	4	10	..
Gordon Town	3.62	0.95	8	10	5.29
Irish Town	3.87	1.00	31	11	6.81
Hope Gardens	4.65	1.12	12	17	5.78
Ivor	5.37	0.82	31	13	..
Plumb Point L.H.	3.46	2.25	31	8	3.38
King's House Gar.	3.15	1.30	13	9	5.17
Upper Kingston	5.67	1.67	31	9	4.11
Kingston P.W.O.	6.27	2.42	18	10	3.55
Halfway Tree	3.32	0.91	12	9	3.89
Clifton Pen	3.73	1.12	31	8	4.06
Red Hills	7.29	2.30	4	13	..

Station.	August, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	5.28	2.65	31	5	2.33
Hematine ..	2.80	1.40	31	10	..
Spanish Town ..	2.97	1.37	31	12	3.93
The Stewartry ..	7.23	1.14	20	15	..
Hog Hole, St. Cath.	5.10	1.36	31	14	4.28
Hartlands ..	3.93	3.00	31	5	3.48
Amity Hall ..	..	..	..	..	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	6.44	1.90	31	11	4.49
May Pen ..	8.96	2.16	31	16	5.05
Glen Muir ..	7.40	2.30	31	10	..
Dry River, Vere ..	..	..	..	..	3.81
Cottage ..	8.46	5.10	31	17	..
Belle Plain ..	7.18	1.90	31	10	..
Milk River ..	7.75	3.55	31	8	4.41
Retrieve ..	7.98	1.65	31	11	..
Hog Hole, S. Man.	11.61	2.50	31	13	..
Stone's Hope ..	9.52	2.32	31	20	6.36
Newport, Man. ..	10.61	2.50	31	25	6.98

Station.	August, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Great Valley, Man.	11.75	4.10	31	12	5.50
Alligator Pond ..	11.00	3.30	12	9	3.64
Fairfield ..	7.31	1.45	31	22	6.24
Lititz ..	6.67	2.00	31	11	5.43
Myersville ..	7.42	1.71	1	11	..
Gilnock ..	13.68	1.95	19	13	..
Southfield, St. Eliz.	8.98	3.63	1	17	6.89
Bethlehem, St. Eliz.	..	..	..	..	6.37
Torrington ..	11.76	4.00	1	15	5.55
Santa Cruz ..	13.85	2.09	8	15	9.02
Pedro Plains ..	6.42	2.40	1	8	2.88
Mountainside ..	3.60	1.73	1	17	..
Fort Charles ..	7.14	1.32	29	15	..
Black River ..	9.04	2.02	29	20	6.32
Font Hill ..	9.00	1.50	30	11	6.25
Mount Edgecombe	13.50	1.83	8	25	8.29
Sweet River ..	11.29	1.25	26	21	9.07
Sav.-la-Mar ..	11.99	2.00	25	20	7.78
Little London ..	7.58	1.08	17	20	..
Retreat ..	11.54	1.57	18	17	8.58
Negril Point L.H. ..	6.60	1.34	23	20	7.02

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	August. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	12.03	7.47	14	11
Northern ..	6.30	4.85	12	9
West-Central ..	11.32	10.14	19	15
Southern ..	7.18	5.26	14	10
The Island means. ..	9.21	6.93	15	11

Shocks of Earthquake in August, 1929.

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—August.

The mean rainfall for the Island was much above the average in all the Divisions, particularly the North-Eastern, due to proximity of tropical weather disturbances.

The greatest precipitation appears to have taken place at the beginning and at the end of the month, but the rainfall was generally well distributed, the mean number of rainy days being 15 as compared with the average of 11. The greatest number of rainy days was 27 at Grange Hill in the West-Central Division.

The greatest total fall was 34.17 inches at Moore Town in the North-Eastern Division, and the heaviest fall in 24 hours was 10.90 inches at Lennox in the same Division on the 31st.

The mean rainfall in each parish is given below:—

	Inches.		Inches.
Kingston	5.13	St. James ..	7.28
St. Andrew	5.85	Hanover ..	10.83
St. Thomas	8.82	Westmoreland ..	12.82
Portland	15.89	St. Elizabeth ..	9.93
St. Mary	9.04	Manchester ..	9.40
St. Ann	6.64	Clarendon ..	7.14
Trelawny	6.76	St. Catherine ..	7.96

City of Kingston.

The total rainfall for the month of August was 6.27 inches, representing about 75% above the normal of 3.55 inches. There were 10 rainy days as against the 47-year normal of 9. The greatest fall in 24 hours was 2.42 inches on 18th. The upper boundary of Kingston gauged 5.67 inches with 9 rainy days. Rain was observed upon the nearby hills to north on 13 days. To N.E. on 8 days. To east on one day. To south on 2 days. West on one day, and to N.W. on 9 days.

The mean of the daily miles of wind registered was 165, as compared with the 20-year normal of 196. The maximum number of miles of wind in one day was 270 on 21st, and the minimum 103 on 19th. South-east wind continued until after 7 p.m. upon 12 occasions.

Mean barometric pressure 29.928 inches the normal for 33 years being 29.929 inches. Highest barometer reading 29.995 inches on 2nd, at 3 p.m. and the lowest 29.867 inches on 29th at 3 p.m. (correc. for diur. var.).

The mean temperature, based upon four observations per day, was 80.0 degrees, the 33-year normal being 81.0 degrees. The first half of the month was 1.1 degree lower than the second half. The maximum temperature was about 90 degrees on 4 days, and the minimum above 70 degrees throughout. Highest maximum temperature 92.9 degrees on 29th and lowest minimum 70.2 degrees on 13th. The daily greatest range of temperature was 20.1 degrees on 29th, and the least range 11.4 degrees on 31st. Then the highest minimum was 76.4 on 21st, at the time of the passing of a tropical disturbance of slight intensity to the south of Jamaica, and the lowest maximum 85.9 on 1st and 9th.

The mean relative humidity was 84% as against the 33-year average of 79% , owing, no doubt, to excess of precipitation. Mean 7 a.m. 86%, and mean 3 p.m. 73%. Lowest 7 a.m. 77% on 1st and lowest 3 p.m. 57% on 20th.

Distant lightning was observed at night to north on 3rd, 13th, 18th. To N.E. on 1st (vivid), 3rd, 8th, 13th, 15th, 24th, 25th (vivid), and 26th. To east on 4th, 9th (vivid), 15th and 21st (vivid). To south on 2nd, 9th and 18th. To S.W. on 2nd and 12th. To west on 30th. To N.W. on 4th, 5th, 6th, 7th, 8th, 11th, 14th, 19th, 25th and 26th. Moderate local thunderstorm on 4th, 12th, 13th and 31st.

The sky was overcast in the early morning on 11 occasions, and in the afternoon on 24 occasions.

Total evaporation for the month was 7.36 inches, being 0.11 inch below that of the 6-year average of 7.47 inches.

Mean number of daily sunshine hours was 8.1.

A complete solar halo was observed on 27th, and a partial one on 28th.

Weather Disturbance.

During the month of August a tropical disturbance of slight intensity was located near to the Island of St. Lucia, on the night of the 18th, and it appears, according to the U.S.W.B. reports, to have moved on a track in a W.N.W. direction, passing to the south of Jamaica on or about 21st, and then central and not far from the Cayman Islands on 21st and 22nd. Otherwise, the Caribbean Sea and West India Islands were particularly free of hurricanes.

J. F. Brennan,
Government Meteorologist.

Kingston, September 17th, 1929.

No. 629.

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WEATHER BUREAU

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

SEPTEMBER, 1929.

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	29.904	29.872	80.7	84.5	86.2	75.3	10.9	87.5	1*	70.0	19	17.5
Kingston	24	29.888	29.847	74.6	83.7	87.1	72.7	14.4	88.9	6*	68.3	19	20.6
Negril Point Light House	33	29.884	29.852	76.2	83.8	87.5	73.3	14.2	91.2	11*	69.5	2	21.7
Castleton Gardens	496	..	..	70.0	79.8	86.7	69.1	17.6	90.0	23	65.0	19	25.0
Hope Gardens†	668	29.919	29.854	73.6	81.6	86.5	70.7	15.8	90.0	15	69.0	19	21.0
Stony Hill Indus. School	1,400	..	..	66.9	75.7	79.4	64.6	14.8	83.0	21	62.0*	3	21.0
Hill Gardens	4,900	25.237	25.221	64.2	65.9	68.6	57.4	11.2	71.0	11	56.0	2	15.0

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	83	76	76	11.89	217	E	9.0	E	9.0	1.8	2.2	3.0	1.4	1.5	3.5
Kingston ..	24	71	89	75	75	2.42	152	NNE	3.7	SE	10.6	1.3	0.2	4.9	3.1	1.4	4.6
Negril Point Light House	33	72	88	75	76	4.47	181	E	6.8	SE	8.4	2.0	0.3	5.5	3.0	4.4	1.9
Castleton Gardens ..	496	69	95	76	89	12.26	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69	84	74	77	4.26	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	9.51	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	61	89	64	91	8.36	..	..	..	..	..	..	..	..	..	..	..

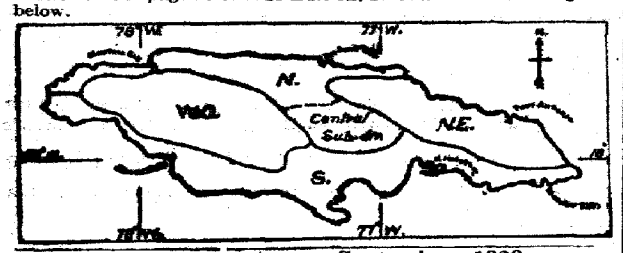
* And on other days. † Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.	September, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal ..	3.32	1.00	3	12	10.61
Priestman's River ..	10.46	2.30	1	19	..
Fairy Hill ..	9.80	3.00	1	13	..
Bath ..	12.17	3.55	2	21	12.07
Millbank ..	18.83	3.75	2	15	..
Moore Town ..	13.13	4.00	5	13	15.39
Port Antonio ..	9.87	3.10	1	13	10.64
Passley Garden ..	12.99	4.62	1	12	..
Fellowship ..	11.67	2.19	2	15	13.12
Johnson River Br. ..	12.56	3.78	2	12	11.04
Trinity Ville ..	11.97	5.40	2	14	..
Shrewsbury ..	14.76	4.70	1	17	9.25
Hope Bay ..	9.17	2.48	1	11	..
Cedar Valley ..	12.04	4.50	2	16	13.17
Moy Hall ..	12.01	4.60	2	20	..
Paradise ..	7.55	1.80	1	17	..
Lennox ..	6.43	1.50	14	10	..
Greenvale ..	6.15	2.14	8	9	9.12
Spring Garden ..	4.57	1.15	4	7	4.85
Hill Gardens ..	8.36	2.00	2	3	9.84
Buff Bay ..	7.51	2.38	11	6	4.84
Orange Vale ..	9.01	2.30	19	11	..
Belvedere, Portland	7.68	2.99	19	9	..
Windsor Castle do	6.84	3.00	3	6	5.13
Balcarres ..	5.79	2.50	2	6	..
Mt. Holstein ..	8.77	1.40	2	20	9.23
Cedar Hurst ..	7.61	1.40	17	19	..
Hardware Gap ..	16.76	3.75	8	13	10.19
Rose Hill ..	9.37	0.91	2	19	12.32
Hermitage ..	12.95	2.74	17	21	..
Mount James ..	9.79	2.57	8	19	..
Stony Hill Ind. Schl.	9.51	1.57	16	18	9.97
Iter Boreale ..	5.77	1.57	1	11	..
Enfield ..	5.57	1.00	10	10	..

STATION.	September, 1929. Total Fall.	Greatest fall in 24 Hours. Amount.	Greatest fall in 24 Hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale ..	5.57	1.56	1	14	4.86
Castleton Gardens	12.26	2.10	8	18	11.70
Water Valley ..	5.47	1.29	2	13	4.91
Albany ..	4.69	1.44	30	14	..
Lawrence Tavern ..	9.58	2.57	9	15	9.76
Richmond, St. Mary	15.21	3.48	4	15	5.75
Quebec, St. Mary ..	4.22	3.13	7	6	3.48
Zion Hill ..	12.40	2.75	6	12	..
Carew Castle ..	7.80	1.72	20	12	11.35
Hampstead, St. Mary	3.77	1.48	27	19	6.95
Windsor Castle do	5.10	0.90	10	13	..
Troja ..	9.59	1.50	20	15	..
Pear Tree Grove ..	6.89	1.50	4	11	..
Guy's Hill ..	5.46	1.50	27	9	..
Lucky Hill ..	7.61	1.09	26	18	5.81
Rio Hoe ..	3.88	1.30	30	8	6.17
Unity Valley ..	5.19	0.93	13	19	8.16
Moneague ..	4.94	0.80	8	15	7.33
Claremont ..	4.69	1.80	7	11	6.03
Averham Park ..	8.36	2.25	18	16	5.19
Albion ..	10.22	3.04	17	17	7.24
NORTHERN DIVISION (N).					
Port Maria ..	5.45	2.00	3	8	3.85
Eden Park ..	6.00	2.43	1	14	..
Oracabessa ..	3.74	2.90	3	5	..
New Ramble ..	..	..	..	..	5.07
Huddersfield ..	3.14	1.27	21	5	..
Ocho Rios ..	5.73	1.52	30	8	3.63
Bogue, Ocho Rios ..	..	..	..	..	4.26
Drax Hall ..	2.83	0.70	19	16	3.84
Rockfield ..	4.00	1.12	30	11	5.18
Liberty Hill ..	3.39	0.60	30	14	4.13
St. Ann's Bay ..	3.87	1.32	30	8	3.47
Seville ..	2.41	0.72	17	9	3.64
Richmond Estate ..	2.59	0.63	17	12	3.86
Llandovery ..	5.21	1.50	30	8	3.78
Runaway Bay ..	1.75	0.53	17	10	..
Knapdale ..	8.67	2.39	17	16	..
Alexandria ..	11.32	2.06	9	16	..
Bell-Air ..	4.20	1.85	8	12	..
Brown's Town ..	9.66	4.04	16	15	5.26
Watt Town, St. Ann	11.01	2.00	8	12	..
Home Castle ..	8.45	2.60	17	15	4.64
Richmond Pen ..	4.90	1.25	16	16	6.26
Bryan Castle ..	2.95	0.55	28	12	3.57
Braco ..	3.10	0.70	18	13	3.25
Arcadia ..	..	..	..	..	4.37
Vale Royal ..	..	..	..	..	4.68
Harmony Hall ..	2.58	0.83	17	7	..
Colchis Pen ..	10.34	2.25	8	14	5.25
Duncans ..	3.25	0.75	17	10	..
Clark's Town ..	5.54	2.40	8	10	..
Carey Park ..	2.87	0.70	28	6	..
Falmouth ..	2.22	0.40	22	14	3.36
Canaan ..	8.99	1.26	27	15	7.94
Grange ..	2.75	1.50	7	4	..
Success ..	2.90	0.75	19	6	3.91

Station.	September, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Northern Division, *contd.*	In.	In.			In.
Rose Hall ..	2.25	0.80	7	6	3.68
Cinnamon Hill ..	1.95	0.70	20	5	4.18
Tryall ..	1.75	0.98	20	5	6.29
Running Gut ..	1.75	0.95	20	5	3.99
Spring Estate ..	1.90	1.10	20	5	4.11
Friendship ..	5.73	1.25	8	15	..
Retirement ..	4.63	1.48	8	18	10.20
Belfield ..	6.37	1.76	8	13	5.52
Montego Bay ..	8.01	1.78	18	20	6.76
Anchovy ..	1.76	0.18	30	16	..
Bamboo-Hanover ..	9.09	2.65	6	13	..
Blue Hole ..	6.99	2.70	6	11	..
Kew ..	4.85	1.00	4	11	8.14
Lucea ..	4.35	0.82	30	12	8.02
Haughton Court ..	..	..	..	..	6.68
Cousins Cove ..	9.73	2.43	5	15	..
Green River ..	8.53	1.75	6	14	..
Green Island ..	10.29	2.05	7	18	..
Haughton Hall ..	6.67	1.58	30	20	..
Central Sub-Division.					
Knollis ..	8.84	3.60	8	16	..
Highgate ..	6.24	1.85	30	21	..
Rio Magno ..	7.72	1.48	7	11	..
Riversdale ..	10.93	2.08	8	15	..
Headworks, R.C.C	2.78	0.72	30	7	6.49
Bog Walk ..	6.64	2.00	10	11	..
Linstead ..	5.03	1.43	8	20	8.02
Cave Valley ..	5.93	1.25	16	13	7.79
Guanaboa Vale ..	13.80	6.00	26	14	..
Point Hill ..	10.93	2.85	8	19	12.07
Bellas Gate ..	8.10	2.28	8	15	..
Rock River ..	6.35	2.33	30	17	..
Crofts Hill ..	8.88	1.75	27	11	8.91
Suttons ..	..	..	..	..	..
Chapelton ..	4.44	0.90	5	13	8.00
Crooked River ..	3.92	1.00	9	13	..
Trout Hall ..	5.70	1.05	1	17	11.58
James Hill ..	..	..	..	..	..
Frankfield ..	4.82	0.75	26	17	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	7.21	1.95	1	13	9.31
Clarendon Park ..	9.43	2.80	8	14	..
Spaldings ..	6.51	1.10	25	21	..
Williamsfield ..	5.37	0.90	8	16	..
Brokenhurst ..	8.90	1.33	8	14	9.85
Shooters Hill ..	6.81	1.48	30	15	9.54
Lowe River ..	9.01	2.18	17	15	12.00
Christiana ..	6.37	0.84	9	18	9.82
Clifton Hill ..	8.82	1.90	8	13	..
Kendal, Manchester	6.53	1.72	30	11	9.98
Mereworth ..	9.79	2.23	2	13	..
Mandeville ..	6.41	1.00	8	14	10.12
Ulster Spring ..	8.60	1.50	29	22	9.91
Marshalls' Pen ..	8.81	1.80	26	10	9.42
Greenvale ..	3.92	0.66	25	15	..
Albert Town ..	8.60	1.50	30	16	11.07
Warsop ..	7.49	1.95	17	20	..

Station.	September, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
West-Central Division, *contd.*	In.	In.			In.
Troy ..	15.88	3.10	17	16	13.89
Wallingford ..	7.84	1.50	8	20	12.87
Balaclava ..	8.73	1.50	8	13	11.91
Appleton ..	..	..	..	..	..
Deeside ..	9.12	1.25	29	13	..
Maggotty ..	8.38	1.65	6	18	11.99
Lacovia ..	7.56	1.73	8	17	..
Ipswich ..	11.30	1.78	8	16	..
Kempshot ..	5.48	1.10	6	17	9.36
Garlands ..	11.19	1.68	17	17	..
Mocho, St. James ..	12.90	1.75	30	22	..
Bandon Pen ..	10.42	1.46	6	15	..
Springfield, St. Eliz.	..	..	..	..	..
Catadupa ..	9.11	1.48	30	21	15.10
Cambridge, St. Jas.	10.02	2.51	30	19	12.52
New Market ..	10.37	2.37	8	16	10.57
Kew Park ..	8.53	2.36	16	19	12.40
Montpelier ..	8.13	1.30	30	15	..
The Bog ..	6.20	1.45	8	18	14.01
Bethel Town Dist. ..	11.15	2.54	30	19	..
Burnt Ground ..	13.01	2.57	29	14	12.65
Haughton Grove ..	10.98	1.75	16	17	12.43
Darliston ..	11.04	1.75	5	21	14.58
Knockalva ..	6.53	1.01	7	12	13.32
Ramble ..	..	..	..	..	..
Bluefields ..	9.36	2.90	11	14	10.47
Whithorn ..	6.49	1.17	2	14	11.30
Water Works Pen ..	7.00	1.23	6	18	11.00
Askenish ..	10.14	1.00	13	12	..
Grange Hill ..	8.93	1.79	8	20	11.89
King's Vale ..	7.07	1.58	30	17	11.22
Southern Division (S.)					
Morant Point L.H.	11.89	5.57	27	16	7.02
Golden Grove ..	7.32	2.19	2	17	..
Pleasant Hill ..	8.51	2.41	2	20	..
Bowden ..	5.79	2.30	2	16	..
East Prospect ..	8.33	2.76	2	17	8.14
Morant Bay ..	6.10	2.11	2	20	8.27
Petersfield ..	35.20	8.50	2	24	..
Aeolus Valley ..	14.00	6.00	2	17	..
Yallahs ..	10.64	4.85	2	10	..
Easington ..	9.86	5.11	2	14	8.59
Norris ..	..	..	..	..	..
Mavis Bank ..	8.54	2.00	2	11	..
Bull Bay ..	7.30	4.00	2	6	4.74
Bellevue ..	9.20	2.32	2	18	8.85
Dallas Castle ..	5.32	2.18	2	9	..
Gordon Town ..	6.51	1.64	26	14	8.18
Irish Town ..	6.62	1.13	16	13	8.76
Hope Gardens ..	4.26	1.12	2	13	7.05
Ivor ..	6.92	1.76	..	10	..
Plumb Point L.H. ..	5.49	1.95	2	14	4.10
King's House Gar. ..	4.15	1.00	1	7	5.31
Upper Kingston ..	4.06	1.37	18	14	4.34
Kingston P.W.O. ..	2.42	1.08	2	9	4.03
Halfway Tree ..	4.14	0.81	24	10	4.81
Clifton Pen ..	4.43	2.11	18	6	4.39
Red Hills ..	3.74	1.35	16	8	..

Station.	September, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	4.61	1.65	2	10	2.66
Hematine ..	2.37	0.70	27	13	..
Spanish Town ..	2.22	0.44	24	14	5.13
The Stewartry ..	4.11	1.17	27	12	..
Hog Hole, St. Cath.	2.70	1.23	24	8	6.04
Hartlands ..	4.10	0.60	30	11	4.79
Amity Hall ..	..	..	..	..	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	4.92	0.90	2	15	6.25
May Pen ..	6.44	1.15	12	12	6.99
Glen Muir ..	7.75	2.60	30	6	..
Dry River, Vere ..	..	..	..	..	5.60
Cottage ..	11.22	2.94	30	16	..
Belle Plain ..	8.97	1.80	8	14	..
Milk River ..	7.50	1.75	12	15	7.51
Retrieve ..	7.74	1.14	2	13	..
Hog Hole, S. Man.	7.46	1.52	2	10	..
Stone's Hope ..	10.66	2.72	21	17	8.37
Newport, Man. ..	8.49	2.32	21	16	7.94

Station.	September, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Great Valley, Man.	11.48	2.95	12	11	6.54
Alligator Pond ..	9.50	2.80	21	6	5.13
Fairfield ..	10.45	3.00	30	21	8.22
Lititz ..	5.64	1.60	21	13	5.10
Myersville ..	3.69	1.00	21	9	..
Gilnock ..	8.10	2.47	24	13	..
Southfield, St. Eliz.	10.72	3.60	21	13	6.75
Bethlehem, St. Eliz.	..	..	..	..	7.32
Torrington ..	6.03	1.50	21	10	6.52
Santa Cruz ..	6.38	1.11	8	18	9.77
Pedro Plains ..	5.81	2.30	21	12	4.11
Mountainside ..	1.43	0.36	21	13	..
Fort Charles ..	6.35	1.61	21	13	..
Black River ..	2.98	0.62	21	16	5.47
Font Hill ..	5.80	1.80	7	11	6.29
Mount Edgecombe	5.78	1.69	20	17	8.28
Sweet River ..	6.03	1.76	6	13	7.87
Sav.-la-Mar ..	4.80	0.90	11	13	7.09
Little London ..	4.43	0.93	12	12	..
Retreat ..	5.75	1.57	24	10	7.99
Negril Point L.H. ..	4.47	1.85	11	17	6.91

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	September. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	8.63	8.48	14	13
Northern ..	4.87	5.73	12	10
West-Central ..	8.56	11.02	16	16
Southern ..	6.36	6.40	13	11
The Island means. ..	7.10	7.91	14	13

Shocks of Earthquake in September, 1929.

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
5th	5.25 p.m.	I	At Kingston and parts of St. Catherine.
5th	5.38 p.m.	II	Parishes of Clarendon, Manchester and St. Elizabeth, throughout.

N.B. It is particularly requested that all Rainfall Postcards be sent in not later than the 5th of each month.

THE ISLAND.

SEPTEMBER.

The mean rainfall for the Island was somewhat below the average in all divisions except in the North-Eastern where it was slightly above.

The greatest precipitation appears to have taken place on the 2nd, the 8th and the 30th. The rainfall, however, was generally well distributed, the mean number of rainy days being 14 as compared with the average of 13. The greatest number of rainy days was 24 at Petersfield in the Southern Division. The greatest total fall 35.20 inches; and the heaviest fall in 24 hours 8.50 inches, were also at this station.

The mean rainfall in each parish is as follows:—

	Inches.		Inches.
Kingston	4.02	St. James ..	5.90
St. Andrew	7.81	Hanover ..	8.43
St. Thomas	11.89	Westmoreland ..	7.14
Portland	9.14	St. Elizabeth ..	8.89
St. Mary	6.24	Manchester ..	8.09
St. Ann	5.79	Clarendon ..	7.25
Trelawny	7.18	St. Catherine ..	6.54

The mean rainfall for the 9 months is given below, and shews a total deficiency of 10.16 inches as compared with the 50-year average. It will be observed that only in the months of March and August, were the averages exceeded. In the previous year the rainfall for three-quarters of the year was 10.72 inches below the average, and in that period in only one month (August), was the average exceeded.

	1929.	50 year Average.
	Inches.	Inches.
January ..	2.93	4.10
February ..	1.86	3.06
March ..	4.66	3.42
April ..	3.41	5.03
May ..	4.96	9.12
June ..	3.34	7.18
July ..	4.02	4.90
August ..	9.21	6.93
September ..	7.10	7.91
Totals ..	41.49	51.65

CITY OF KINGSTON.

The total rainfall for the month of September was 2.42 ins., or somewhat more than one-half of the 50-year normal of 4.03 ins. There were nine rainy days as compared with the 47-year average of ten. The greatest fall in 24 hours was 1.08 inch on 2nd. The upper boundary of Kingston gauged 4.06 ins., with 14 rainy days. Rain was observed in the nearby directions to north on 10 days, to NE on 5 days, to east on one day, SE on one day, SW on one day, west on 4 days and to NW on two days.

The mean of the daily miles of wind registered was 152, as compared with the 20-year normal of 166. The maximum number of miles of wind in one day was 291 on 13th, and minimum 89 on 11th. South-easterly wind continued until after 7 p.m. on 11 occasions, and was early on one day. There were SE rain-squalls on 7th and 11th.

The mean barometric pressure 29.879 ins. and the 33-year normal is 29.889 ins. Highest Barometer reading 29.960 ins. on 3rd at 3 p.m., and the lowest 29.816 ins. on 21st at 7 a.m. (correc. for diur. var.).

The mean temperature, based upon four observations per day, was 79.0 degs., or 1.6 deg. below the 33-year mean: the mean maximum was marked by being 2.4 degs. below that of the normal max. of 89.5 degs. The maximum temperature was below 90 degs. throughout, and the minimum was below 70 degs. on two days. Highest max. temperature 88.9 degs. on 6th, and on three other days, and the lowest minimum 68.3 degs. on 19th. The daily greatest range of temperature 19.3 degs. on 2nd, and the least range 7.2 degs. on 11th. Then the highest minimum was 75.2 degs. on 22nd, owing to very overcast morning sky, and the lowest maximum 81.2 degs. on 11th, arising from a rainy day.

The mean relative humidity was 86 %, being 4 % above the 33-year normal, owing, no doubt, to the overcast conditions during the month. Mean 7 a.m. 89%, and mean 3 p.m. 75%. Lowest 7 a.m. 83 % on 14th and 18th, and lowest 3 p.m. 61 %on 9th.

Distant lightning was observed at night to north on 9th, 14th, 15th, 17th, 26th, 27th and 30th. NE on 4th, 16th, 18th, 20th, 21st, 24th and 26th. East on 2nd and 7th. SE on 2nd, 3rd, 4th, 8th, 11th and 17th. South on 1st. SW on 2nd, 11th and 22nd. West on 27th and 30th. NW on 8th. Distant thunderstorm to north on 9th, 14th, 15th, 17th, 26th, 27th and 30th. NE on 4th, 16th, 18th, 20th, 21st, 24th and 26th. East on 2nd and 7th. SE on 2nd, 3rd, 4th, 8th, 11th and 17th. South on 1st. SW on 2nd, 11th and 22nd. NW on 8th. West on 27th and 30th. Local thunderstorm, moderate, on 1st, 8th, 16th, 18th and 24th.

The sky was overcast in the early morning on 16 occasions, and in the afternoon on 27 occasions.

The total evaporation for September was 4.41 inches. Shewing 0.76 inch below the 6-year normal.

Mean number of daily sunshine hours was 6.3.

A solar halo was visible on 8th, and a Lunar halo on 19th.

Earthquakes.

A moderate shock of earthquake was experienced at many places in Clarendon, Manchester and St. Elizabeth on 5th at nearly 5.38 p.m. At certain stations it was felt as a rather sharp shock. No damage reported. There was also a feeble shock felt at about 5.25 p.m. on same afternoon at Kingston and part of St. Catherine.

Weather Disturbance.

During the month of September the Caribbean Sea was remarkably free of weather disturbances, but towards the close of the month, on 25th, the United States Weather Bureau issued a warning by wireless telegraph, that a Tropical Disturbance was central in the forenoon near to the south end of Great Abaco Island, Bahamas, apparently moving slowly westward. This disturbance developed into hurricane force, and caused loss of life and property at Nassau and surrounding waters on 25th in the evening. It apparently continued on a track through lower Florida State, into the Gulf of Mexico, reaching SE Pensacola on 30th, and then SW Georgia State on 1st October. Shipping also suffered somewhat.

Corrigendum.—In the July Weather Report, No. 626, the 7 a.m. barometer mean for Morant Light House is shewn as 30.044 ins. in error. It should read 30.012 ins., instead.

J. F. Brennan,
Government Meteorologist.

Kingston, October 20th, 1929.

No. 630.

JAMAICA

WEATHER REPORT,

FOR THE MONTH OF

OCTOBER, 1929.

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	29.894	29.855	81.2	83.1	85.0	75.9	9.1	87.1	4	69.9	29	17.2
Kingston	24	29.880	29.826	74.1	83.2	86.8	72.4	14.4	90.1	4	68.6	29	21.5
Negril Point Light House	33	29.872	29.825	76.1	83.8	87.7	73.2	14.5	92.1	6	70.0	31	22.1
Castleton Gardens	496	..	..	70.0	80.3	86.1	69.0	17.1	91.0	14	67.0	29*	24.0
Hope Gardens†	668	29.912	29.825	74.0	82.7	86.8	70.0	16.8	91.0	15*	66.0	21	25.0
Stony Hill Indus. School	1,400	..	..	68.9	79.3	80.0	65.3	14.7	88.0	15*	64.0	10*	24.0
Hill Gardens	4,900	25.246	25.227	63.2	65.0	69.2	56.8	12.4	71.0	5*	55.0	29*	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	75	82	75	78	11.87	251	E	12.0	E	11.0	2.2	2.0	2.0	1.4	2.9	1.5
Kingston ..	24	70	88	74	74	4.96	167	ENE	4.2	SE	12.6	2.3	0.2	2.4	5.1	0.6	1.6
Negril Point Light House	33	72	87	75	74	14.04	207	ENE	7.4	ESE	10.9	1.9	1.0	4.3	3.9	3.9	1.3
Castleton Gardens ..	496	69	95	76	88	6.87	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69	75	74	72	9.31	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	66	93	75	87	5.50	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	61	91	62	90	5.17	..	..	..	..	..	..	..	..	..	..	..

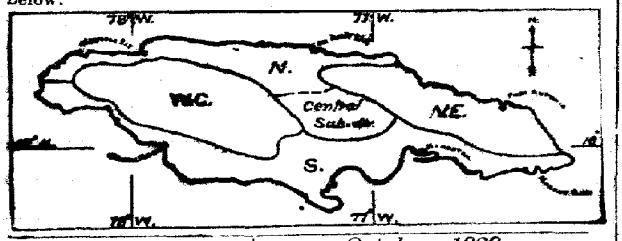
* And on other days. † Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.	October, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal	17.90	2.50	20	13	17.28
Priestman's River	14.45	2.80	8	23	..
Fairy Hill	15.30	3.15	8	16	..
Bath	17.86	3.33	9	27	16.97
Millbank	23.34	4.50	8	22	..
Moore Town	19.00	4.00	8	18	19.92
Port Antonio	14.07	3.50	8	22	15.19
Passley Garden	11.47	2.30	8	21	..
Fellowship	12.13	2.79	28	21	17.63
Johnson River Br.	20.15	3.47	9	16	13.76
Trinity Ville	14.90	6.20	8	12	..
Shrewsbury	7.50	1.10	29	15	13.35
Hope Bay	4.36	0.60	29	17	..
Cedar Valley	13.40	3.50	8	13	14.30
Moy Hall	14.10	3.38	8	16	20.06
Paradise	3.20	0.73	19	13	..
Lennox	3.15	0.80	2	6	..
Greenvale	5.40	3.00	25	8	11.60
Spring Garden	2.52	0.85	28	9	7.73
Hill Gardens	5.17	1.05	20	14	17.20
Buff Bay	2.46	1.02	27	7	10.15
Orange Vale	3.35	1.06	25	11	..
Belvedere, Portland	2.62	1.00	29	6	
Windsor Castle do	1.34	0.57	20	5	8.63
Balcarres	8.72	1.93	23	10	..
Mt. Holstein	7.73	1.27	3	16	11.93
Cedar Hurst	3.59	0.78	2	18	..
Hardware Gap	9.07	1.43	7	13	15.11
Rose Hill	5.42	1.22	19	12	16.32
Hermitage	5.43	1.02	2	17	..
Mount James	7.52	3.76	7	16	..
Stony Hill Ind. Schl.	5.50	2.53	23	14	14.59
Iter Boreale	0.94	0.35	20	6	..
Enfield	3.02	1.00	31	11	..

STATION.	October, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale	3.08	0.74	7	13	6.17
Castleton Gardens	6.87	1.27	8	16	14.65
Water Valley	2.88	0.66	8	10	7.72
Albany	..	..	..	..	..
Lawrence Tavern	7.31	1.31	28	13	12.28
Richmond, St. Mary	2.47	0.95	9	12	8.73
Quebec, St. Mary	3.15	0.89	31	8	10.37
Zion Hill	7.80	2.75	6	10	..
Carew Castle	7.99	1.22	3	12	12.54
Hampstead, St. Mary	3.50	1.75	1	11	9.27
Windsor Castle do	6.38	1.35	11	17	..
Troja	2.71	0.68	9	11	..
Pear Tree Grove	10.43	2.19	13	17	..
Guy's Hill	8.34	3.45	11	11	..
Lucky Hill	6.62	1.35	8	16	8.90
Rio Hoe	8.78	1.95	7	8	9.08
Unity Valley	6.92	0.87	23	18	9.22
Moneague	8.60	1.60	22	15	9.39
Claremont	10.83	3.35	3	13	8.63
Averham Park	8.08	1.88	3	15	11.51
Albion	5.37	0.97	18	18	8.95
NORTHERN DIVISION (N).					
Port Maria	4.82	1.82	31	16	8.79
Eden Park	3.48	1.09	31	14	..
Oracabessa	4.39	1.05	31	11	..
New Ramble	..	..	..	..	7.59
Huddersfield	0.93	0.41	20	3	..
Ocho Rios	2.63	0.70	10	7	5.82
Bogue, Ocho Rios	2.39	0.80	20	6	6.62
Drax Hall	4.49	1.50	10	12	7.20
Rockfield	3.61	0.64	19	18	..
Liberty Hill	3.70	0.95	20	13	6.57
St. Ann's Bay	5.24	1.25	10	15	6.93
Seville	4.35	1.10	10	11	6.95
Richmond Estate	2.80	0.78	19	10	7.49
Llandovery	4.65	1.20	19	7	7.14
Runaway Bay	2.01	0.53	18	12	..
Knapdale	5.99	2.30	2	12	..
Alexandria	8.13	1.51	1	14	..
Bell-Air	3.30	0.90	18	15	..
Brown's Town	5.36	2.08	18	13	8.58
Watt Town, St. Ann	9.03	2.25	19	9	..
Home Castle	3.30	0.75	19	7	6.77
Richmond Pen	3.30	1.10	6	9	7.92
Bryan Castle	3.15	1.25	19	10	5.64
Braco	2.85	0.50	10	11	5.25
Arcadia	2.39	0.55	19	8	6.24
Vale Royal	2.19	0.47	18	11	..
Harmony Hall	2.42	0.58	25	11	5.30
Colchis Pen	6.35	2.13	6	9	7.58
Duncans	2.43	0.67	18	12	..
Clark's Town	3.25	1.00	18	8	..
Carey Park	2.44	0.60	18	10	..
Falmouth	4.62	0.98	30	15	5.42
Canaan	8.35	1.90	2	15	8.84
Grange	..	..	..	..	..
Success	7.61	1.85	31	9	6.10

Station.	October, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Northern Division, *contd.*	In.	In.			In.
Rose Hall	7.43	2.00	29	9	6.31
Cinnamon Hill	7.97	1.85	29	9	6.72
Tryall	5.30	1.45	24	10	6.00
Running Gut	6.30	1.00	2	9	5.44
Spring Estate	6.43	1.48	24	10	6.64
Friendship	12.71	3.03	24	21	..
Retirement	12.84	2.32	6	17	8.88
Belfield	11.59	1.17	24	20	8.15
Montego Bay	8.81	1.80	24	21	7.65
Anchovy	2.91	1.10	7	18	8.14
Bamboo-Hanover	7.92	1.44	7	19	..
Blue Hole	17.39	3.46	2	18	..
Kew	9.69	1.65	1	19	7.80
Lucea	9.38	1.35	17	24	8.08
Haughton Court	8.71	1.65	12	16	6.85
Cousins Cove	8.44	2.95	11	17	..
Green River	8.32	2.12	31	13	..
Green Island	8.10	1.33	28	21	..
Haughton Hall	9.12	1.54	19	22	..
Central Sub-Division.					
Knollis	5.86	1.12	27	13	..
Highgate	6.45	1.20	7	18	..
Rio Magno	8.05	4.23	11	9	..
Riversdale	7.28	1.44	23	12	..
Headworks, R.C.C	6.39	1.00	28	11	9.20
Bog Walk	5.73	1.03	5	14	..
Linstead	3.01	1.18	5	15	9.98
Cave Valley	8.40	2.75	18	13	9.81
Guanaboa Vale	11.03	2.12	22	15	..
Point Hill	8.59	1.30	22	15	15.59
Bellas Gate	14.73	1.94	28	14	..
Rock River	14.74	2.63	28	16	..
Crofts Hill	8.17	2.00	27	10	10.06
Suttons	..	..	..	..	..
Chapelton	18.30	2.73	18	19	12.15
Crooked River	14.94	2.83	18	18	..
Trout Hall	11.65	3.30	18	11	11.86
James Hill	..	..	..	..	..
Frankfield	15.49	3.72	18	19	..
West-Central Division (W.C.)					
Mocho, Clarendon	22.89	3.50	18	12	13.43
Clarendon Park	10.18	2.08	18	15	..
Spaldings	12.51	3.58	18	20	..
Williamsfield	17.57	2.90	18	21	..
Brokenhurst	14.65	4.03	18	14	14.12
Shooters Hill	15.35	3.00	18	20	12.21
Lowe River	7.20	3.61	18	12	13.47
Christiana	8.82	4.40	18	19	11.47
Clifton Hill	22.36	5.60	18	11	..
Kendal, Manchester	16.52	4.54	18	18	14.08
Mereworth	20.84	5.83	18	16	..
Mandeville	16.84	5.26	18	13	15.28
Ulster Spring	10.32	2.91	18	15	11.67
Marshalls' Pen	14.85	3.13	18	11	12.25
Greenvale	9.65	2.75	18	16	..
Albert Town	9.50	2.00	18	14	13.08
Warsop	12.98	2.18	1	19	..

Station.	October, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average
West-Central Division, *contd.*	In.	In.			In.
Troy	13.60	2.00	26	17	15.91
Wallingford	14.34	3.15	22	17	13.18
Balaclava	9.63	1.58	27	17	12.73
Appleton	..	..	..	..	..
Deeside	6.39	1.73	24	12	..
Maggotty	14.37	2.23	2	16	14.07
Lacovia	14.23	2.18	1	17	..
Ipswich	9.74	1.90	2	17	..
Kempshot	13.09	2.65	3	18	9.44
Garlands	12.95	1.92	28	19	..
Mocho, St. James	13.97	1.67	27	23	..
Bandon Pen	15.16	3.72	1	15	..
Springfield, St. Eliz.	..	..	..	..	..
Catadupa	13.06	2.10	1	19	13.99
Cambridge, St. Jas.	10.18	2.95	1	20	12.51
New Market	12.39	2.12	1	13	11.36
Kew Park	13.67	2.34	4	16	11.91
Montpelier	8.11	1.39	7	14	..
The Bog	9.63	2.30	31	17	11.91
Bethel Town Dist.	12.41	2.12	28	19	..
Burnt Ground	9.67	1.47	23	14	..
Haughton Grove	16.32	2.90	7	18	11.56
Darliston	11.88	1.50	27	18	15.19
Knockalva	13.18	3.19	2	17	12.26
Ramble	..	..	..	..	..
Bluefields	7.79	1.50	21	14	11.45
Whithorn	9.87	2.30	5	17	12.54
Water Works Pen	7.94	1.53	2	16	10.18
Askenish	15.45	2.50	31	20	..
Grange Hill	14.49	2.93	23	17	12.71
King's Vale	8.64	2.69	31	24	9.74
Southern Division (S.)					
Morant Point L.H.	11.87	2.61	19	23	11.66
Golden Grove	12.75	2.10	2	21	..
Pleasant Hill	13.40	1.98	20	29	..
Bowden	14.65	3.63	20	19	..
East Prospect	15.28	3.25	8	21	12.58
Morant Bay	15.92	5.00	8	18	12.84
Petersfield	28.52	8.50	12	14	..
Aeolus Valley	14.00	4.10	8	15	..
Yallahs	13.05	5.90	8	9	..
Easington	11.73	2.96	8	17	12.55
Norris	11.54	3.30	10	9	..
Mavis Bank	7.11	1.28	19	8	..
Bull Bay	4.77	2.00	18	5	8.24
Bellevue	8.39	1.43	19	16	10.39
Dallas Castle	8.11	1.54	19	14	..
Gordon Town	4.36	1.56	19	16	13.00
Irish Town	6.31	1.20	19	15	10.87
Hope Gardens	9.31	2.53	28	17	9.74
Ivor	6.51	1.24	28	16	..
Plumb Point L.H.	4.42	1.35	8	9	7.21
King's House Gar.	6.20	1.80	28	10	9.07
Upper Kingston	6.21	1.28	28	15	6.22
Kingston P.W.O.	4.96	1.03	9	11	7.46
Halfway Tree	7.04	2.40	27	11	8.56
Clifton Pen	6.48	1.45	28	9	7.23
Red Hills	6.87	1.22	27	16	..

Station.	October, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	4.34	0.90	19	8	5.15
Hematine ..	5.71	1.26	27	13	..
Spanish Town ..	5.67	1.50	28	11	8.79
The Stewartry ..	5.49	0.98	8	11	..
Hog Hole, St. Cath.	4.85	1.27	8	9	9.33
Hartlands ..	8.75	2.10	20	11	7.57
Amity Hall ..	..	..	..	..	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	10.17	1.90	8	13	10.18
May Pen ..	9.39	1.53	8	16	10.61
Glen Muir ..	7.50	2.20	23	6	..
	..	..	..	..	9.00
Cottage ..	16.47	4.75	8	12	..
Belle Plain ..	16.72	3.90	1	13	..
Milk River ..	12.49	3.20	8	12	8.55
Retrieve ..	11.43	1.87	22	11	..
Hog Hole, S. Man.	17.18	2.54	18	12	..
Stone's Hope ..	16.49	3.29	18	16	12.43
Newport, Man. ..	14.23	3.20	18	16	12.04

Station.	October, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Great Valley, Man.	15.62	4.04	18	10	10.67
Alligator Pond ..	10.70	2.60	18	8	7.64
Fairfield ..	11.67	2.57	22	16	10.62
Lititz ..	10.96	3.81	22	11	5.89
Myersville ..	6.52	2.30	22	9	..
Gilnock ..	9.86	1.69	28	15	..
Southfield, St. Eliz.	14.90	4.08	18	11	6.24
Bethlehem, St. Eliz.	..	..	..	..	11.41
Torrington ..	10.45	3.12	18	14	10.57
Santa Cruz ..	14.30	2.42	22	14	12.21
Pedro Plains ..	6.76	2.61	22	8	5.37
Mountainside ..	2.75	1.00	22	11	..
Fort Charles ..	5.07	1.44	22	10	..
Black River ..	5.45	0.86	22	14	8.38
Font Hill ..	9.65	1.80	18	13	8.78
Mount Edgecombe	9.45	1.97	6	19	9.84
Sweet River ..	5.91	1.50	5	9	9.64
Sav.-la-Mar ..	7.22	2.14	18	10	8.54
Little London ..	9.05	2.00	21	11	..
Retreat ..	10.21	2.00	19	13	10.07
Negril Point L.H. ..	14.04	6.95	19	17	8.11

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	October. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	8.28	12.34	14	15
Northern ..	6.32	7.46	12	12
West-Central ..	12.54	12.19	17	17
Southern ..	9.33	9.56	13	13
The Island means. ..	9.12	10.39	14	14

Shocks of Earthquake in October, 1929.

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
28th	about 7 a.m		Success, Rose Hall, Cinnamon Hill, Tryall, Running Gut Spring, Belfield, Kempshot, Montpelier, Hopewell, Lucea.
29th	6.27 a.m.		Lititz, Mandeville, Spur Tree, Newport, Portsea and Black River.

N.B. It is particularly requested that all Rainfall Postcards be sent in not later than the 5th of each month.

The Island—October.

The mean rainfall for the Island was below the average in all Divisions except the West-Central, which had slightly over its average. The greatest deficiency was in the North Eastern Division.

The greatest precipitation appears to have taken place about the 8th and 18th but generally the rainfall was well distributed, as the mean number of rainy days was 14, which is the average for the month. The greatest number of rainy days was 29 at Pleasant Hill, St. Thomas.

The greatest total fall was 28.52 inches at Petersfield, St. Thomas, and the heaviest fall in 24 hours was 8.50 inches at the same Station on the 12th.

The mean rainfall in each parish is given below:—

	Inches.		Inches.
Kingston	5.20	St. James ..	9.72
St. Andrew	6.68	Hanover ..	11.00
St. Thomas	15.20	Westmoreland ..	10.15
Portland	8.74	St. Elizabeth ..	10.35
St. Mary	3.75	Manchester ..	14.99
St. Ann	5.47	Clarendon ..	13.83
Trelawny	5.99	St. Catherine ..	7.29

City of Kingston.

The total rainfall for the month of October was 4.96 inches with 11 rainy days. The rainfall was 2.50 inches below the 50-year normal, and the rainy days eleven, or one less than the 47-year average. The greatest fall in 24 hours was 1.03 inch on 9th. The upper boundary of Kingston, however, had a total fall of 6.21 inches with fifteen rainy days. Rain was seen on the nearby hills or on the Liguanea Plain to north on 14 days, NE. on 3, south on one, west on one and to NW. on 3.

The mean of the daily miles of wind registered was 167, as compared with the 20-year normal of 154. Maximum number of miles of wind in one day was 330 on 18th, and minimum 84 on 29th. South-easterly wind prevailed in the early morning upon three occasions and continued until after 7 p.m. on 9 occasions. There were S.E. rainsqualls on 8th and 19th. During the squall of the 8th the wind attained a velocity of 34 miles per hour for a short interval at about 8.30 a.m.

The mean barometric pressure was 29.865 inches, the normal for 33 years being 29.866 inches, shewing a difference of only 0.001 inch. Highest barometer reading 29.955 inches on 27th at 3 p.m., and lowest 29.790 inches on 17th at 3 p.m. (correc. for diur. var.).

Mean temperature, based upon four observations per day, was 78.6 degrees: the 33-year normal being 79.4 degrees. The maximum temperature was above 90 degrees on one day, and the minimum was above 70 degrees on 30 days. Highest maximum temperature 90.1 degrees on 4th, and lowest minimum 68.6 degrees on 29th. The daily greatest range of temperature was 17.5 degrees on 29th, and the least range 6.7 degrees on 21st. Then, the lowest maximum was 78.5 degrees on 21st owing to to a rainy day, and the highest minimum 77.2 degrees on 19th arising from the prolonged SE. wind from the night previous.

Mean relative humidity 84% which corresponds with the 33-year normal. Mean 7 a.m. 88%, and the mean 3 p.m. 74%. Lowest 7 a.m. 79% on 18th, and lowest 3 p.m. 61% on 3rd and 17th.

Distant lightning was observed to north on 5th, to N.E. on 3rd, 4th, 5th and 6th. Distant thunderstorm to north on 4th, 5th, 7th, 8th, 25th and 27th. To N.E. on 8th, S.E. on 9th and 19th, west on 27th. Moderate local thunderstorm on 28th.

The sky was overcast in the early morning on 12 occasions, and in the afternoon on 21 occasions.

The total evaporation for the month was 3.57 inches: the normal being 4.44 inches.

Mean number of daily sunshine hours, 6.7.

Lunar halos were observed on 12th, 13th, 16th and 17th.

Weather Disturbance.

According to messages issued by the United States Weather Bureau on 19th Oct., a tropical disturbance of moderate intensity passed north or N.E. of Swan Island moving north-eastward, and apparently about 100 miles to west or N.W. of Grand Cayman on 20th moving N.E., then passed over Cuba into the Southern Florida Strait, and was no longer identified. This occasioned brisk S.E. wind from Morant Point to Negril, with a low barometric pressure.

J. F. Brennan,
Government Meteorologist.

Kingston, November 20th, 1929.

No. 631.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

NOVEMBER, 1929.

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	29.928	29.885	79.8	82.3	83.6	74.9	8.7	86.4	3	66.7	18	19.7
Kingston	24	29.907	29.845	71.9	84.3	86.4	70.6	15.8	89.4	26	66.0	18	23.4
Negril Point Light House	33	29.910	29.852	74.1	84.3	87.4	71.0	16.4	92.2	3	66.6	17*	25.6
Castleton Gardens	496	..	..	68.8	79.4	84.0	67.8	16.2	88.0	22*	61.0	18	27.0
Hope Gardens†	668	29.942	29.851	72.2	85.9	86.5	67.9	18.6	90.0	20*	64.0	18	26.0
Stony Hill Indus. School	1,400	..	..	70.4	81.1	79.9	64.0	15.9	84.0	24	62.0	12*	22.0
Hill Gardens	4,900	25.231	25.213	62.9	64.9	..	56.2	..	69.0	2	52.0	22*	17.0

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	73	79	73	76	6.67	304	NE	14.0	ENE	14.0	2.3	2.1	1.5	1.1	3.1	1.0
Kingston ..	24	68	88	72	68	1.74	151	NNE	4.8	SE	12.4	2.0	0.8	2.1	1.9	2.5	1.0
Negril Point Light House	33	69	82	74	71	2.53	192	NE	8.7	ENE	9.7	1.3	0.9	3.2	1.0	4.9	1.7
Castleton Gardens ..	496	67	95	75	86	7.62	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	65	78	73	65	1.56	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	2.33	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	84	61	91	4.45	..	..	..	..	..	..	..	..	..	..	..

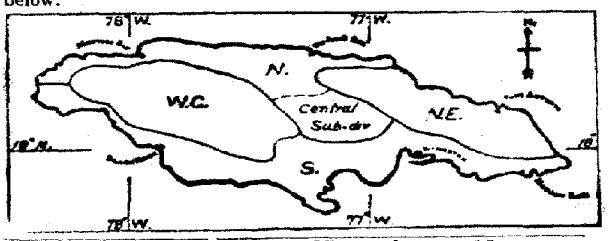
* And on other days. † Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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.	November, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal ..	16.21	4.00	29	11	15.25
Priestman's River ..	17.10	3.87	29	26	..
Fairy Hill ..	15.66	3.30	28	17	..
Bath ..	8.29	1.11	1	22	15.19
Millbank ..	23.92	3.10	11	18	..
Moore Town ..	25.92	3.30	11	21	34.65
Port Antonio ..	16.27	3.26	6	25	16.99
Passley Garden ..	15.90	2.49	6	22	..
Fellowship ..	22.72	6.82	28	25	27.59
Johnson River Br. ..	5.98	1.58	7	12	9.55
Trinity Ville ..	6.94	1.22	7	14	..
Shrewsbury ..	13.85	2.55	6	24	30.70
Hope Bay ..	13.16	4.15	6	24	..
Cedar Valley ..	5.99	2.05	17	14	14.64
Moy Hall ..	5.21	1.50	17	18	..
Paradise ..	12.17	1.69	11	24	..
Lennox ..	10.12	2.15	16	16	..
Greenvale ..	14.67	3.65	10	11	32.26
Spring Garden ..	9.32	1.75	5	20	15.39
Hill Gardens ..	4.45	1.30	17	10	16.16
Buff Bay ..	9.08	1.60	6	19	16.66
Orange Vale	14.26	3.23	10	19	..
Belvedere, Portland	9.78	4.08	15	9	
Windsor Castle do	10.85	1.50	6	19	14.82
Balcarres ..	11.05	2.70	11	9	..
Mt. Holstein ..	12.56	2.52	10	17	28.05
Cedar Hurst ..	5.37	1.25	17	17	..
Hardware Gap ..	5.24	0.90	12	13	16.71
Rose Hill ..	4.35	1.05	12	11	16.15
Hermitage ..	2.39	0.35	5	15	..
Mount James ..	4.51	0.84	3	12	..
Stony Hill Ind. Schl.	2.33	1.41	3	8	8.22
Iter Boreale ..	7.32	1.11	19	17	..
Enfield ..	10.47	2.00	10	24	..

STATION.	November, 1929. Total Fall.	Greatest fall in 24 Hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale ..	5.51	1.25	11	18	11.65
Castleton Gardens	7.62	1.70	17	11	16.32
Water Valley ..	6.11	0.75	7	17	10.79
Albany ..	1.08	0.77	11	18	..
Lawrence Tavern ..	4.00	1.49	17	7	9.87
Richmond, St. Mary	6.67	1.82	17	14	12.06
Quebec, St. Mary ..	4.92	0.96	1	15	9.35
Zion Hill ..	4.41	1.60	28	8	..
Carew Castle ..	2.39	0.80	28	5	10.70
Hampstead, St. Mary	5.49	1.06	11	20	19.57
Windsor Castle do	6.43	1.55	11	14	..
Troja ..	3.90	1.00	16	8	..
Pear Tree Grove ..	4.48	1.07	11	12	..
Guy's Hill ..	5.19	1.40	17	7	..
Lucky Hill ..	4.61	0.88	11	18	16.28
Rio Hoe ..	3.71	0.75	11	16	10.66
Unity Valley ..	5.71	1.13	18	16	10.38
Moneague ..	6.01	1.19	18	15	12.07
Claremont ..	4.33	0.85	10	11	12.57
Averham Park ..	6.60	1.66	20	11	13.50
Albion ..	5.06	1.56	18	23	10.57
NORTHERN DIVISION (N).					
Port Maria ..	6.00	1.72	1	16	11.30
Eden Park ..	5.43	1.42	1	18	..
Oracabessa ..	4.54	1.12	1	9	..
New Ramble ..	..	..	..	..	10.42
Huddersfield ..	4.53	1.59	1	5	..
Ocho Rios ..	2.48	0.51	19	8	10.73
Bogue, Ocho Rios ..	3.40	0.75	16	7	14.22
Drax Hall ..	2.19	0.50	13	13	10.32
Rockfield ..	5.00	1.00	12	15	16.63
Liberty Hill ..	3.42	0.60	12	14	12.66
St. Ann's Bay ..	2.17	0.37	25	11	10.13
Seville ..	3.01	0.44	24	14	10.80
Richmond Estate ..	2.77	0.55	19	11	10.14
Llandovery ..	1.38	0.50	19	5	10.01
Runaway Bay ..	1.49	0.43	25	11	..
Knapdale ..	3.87	0.59	11	15	..
Alexandria ..	3.70	0.66	17	15	..
Bell-Air ..	2.25	0.60	15	11	..
Brown's Town ..	3.14	0.56	15	18	12.12
Watt Town, St. Ann	3.20	1.20	9	4	..
Home Castle ..	1.90	0.60	26	6	9.01
Richmond Pen ..	1.61	0.45	28	11	6.66
Bryan Castle ..	3.15	1.20	15	11	6.92
Braco ..	2.45	0.85	15	10	6.32
Arcadia ..	3.48	1.45	15	13	7.59
Vale Royal ..	2.49	0.85	14	13	7.98
Harmony Hall ..	2.59	0.55	15	14	6.47
Colchis Pen ..	3.22	0.60	15	11	6.06
Duncans ..	1.83	0.42	15	9	..
Clark's Town ..	2.85	1.45	15	5	..
Carey Park ..	1.95	0.50	15	10	..
Falmouth ..	1.84	0.50	20	8	5.26
Canaan ..	3.16	0.90	1	10	6.88
Grange ..	2.10	1.40	1	3	..
Success ..	4.55	0.55	15	5	5.38

Station.	November, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Northern Division, *contd.*	In.	In.			In.
Rose Hall ..	3.75	0.25	15	6	5.78
Cinnamon Hill ..	4.50	0.35	7	6	5.67
Tryall ..	2.29	0.70	7	5	4.28
Running Gut ..	3.00	0.45	7	6	5.38
Spring Estate ..	2.51	0.76	7	4	6.32
Friendship ..	1.91	0.45	10	10	..
Retirement ..	2.61	0.69	1	10	6.39
Belfield ..	3.42	1.12	19	8	7.40
Montego Bay ..	0.78	0.26	7	14	5.27
Anchovy ..	0.73	0.20	7	8	3.91
Bamboo–Hanover ..	1.88	0.62	2	6	..
Blue Hole ..	2.39	0.95	7	6	..
Kew ..	2.65	1.05	2	7	5.16
Lucea ..	2.11	0.62	2	7	6.05
Haughton Court ..	2.50	0.75	22	6	4.54
Cousins Cove ..	4.13	1.59	20	10	..
Green River ..	..	..	..	..	..
Green Island ..	2.55	1.05	7	8	..
Haughton Hall ..	2.17	0.88	7	10	..
Central Sub-Division.					
Knollis ..	2.90	1.33	7	9	..
Highgate ..	4.64	1.62	7	10	..
Rio Magno ..	4.82	0.94	7	9	..
Riversdale ..	4.89	1.58	17	10	..
Headworks, R.C.C	3.89	2.08	17	9	5.11
Bog Walk ..	2.06	0.90	7	7	..
Linstead ..	2.47	1.05	17	15	6.82
Cave Valley ..	3.27	0.87	17	8	5.36
Guanaboa Vale ..	4.80	1.38	17	7	..
Point Hill ..	3.46	1.10	2	6	11.22
Bellas Gate ..	1.51	0.48	3	5	..
Rock River ..	1.79	0.32	7	11	..
Crofts Hill ..	4.80	1.30	3	7	7.64
Suttons ..	..	..	..	..	..
Chapelton ..	3.48	0.88	7	9	4.90
Crooked River ..	1.68	0.41	17	8	..
Trout Hall ..	..	..	..	..	9.82
James Hill ..	..	..	..	..	..
Frankfield ..	1.69	0.40	12	8	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	3.60	1.30	17	8	6.13
Clarendon Park ..	3.38	1.15	5	11	..
Spaldings ..	2.86	0.85	17	14	..
Williamsfield ..	5.10	1.97	5	11	..
Brokenhurst ..	4.23	1.06	28	10	7.94
Shooters Hill ..	3.47	1.42	7	8	8.37
Lowe River ..	6.66	2.20	1	10	8.82
Christiana ..	1.92	0.37	7	13	6.98
Clifton Hill ..	6.90	1.85	17	6	..
Kendal, Manchester	3.75	1.78	7	9	7.08
Mereworth ..	6.86	2.06	17	13	..
Mandeville ..	5.05	2.10	17	8	7.47
Ulster Spring ..	2.67	0.79	2	12	7.78
Marshalls' Pen ..	4.76	1.70	17	6	6.98
Greenvale ..	2.24	0.94	5	8	..
Albert Town ..	2.43	1.00	7	7	8.40
Warsop ..	6.23	1.63	17	14	..

Station.	November, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average
West-Central Division, *contd.*	In.	In.			In.
Troy ..	4.91	2.75	17	5	6.66
Wallingford ..	1.92	1.20	3	12	7.39
Balaclava ..	1.81	0.73	2	6	6.30
Appleton ..	..	..	..	..	..
Deeside ..	1.86	0.37	15	8	..
Maggotty ..	1.38	0.74	19	5	7.08
Lacovia ..	1.56	0.42	29	7	..
Ipswich ..	..	..	..	..	..
Kempshot ..	2.72	0.83	29	8	6.64
Garlands ..	5.15	1.58	12	8	..
Mocho, St. James ..	5.13	1.27	4	11	..
Bandon Pen ..	4.43	1.49	6	11	..
Springfield, St. Eliz.	..	..	..	..	..
Catadupa ..	4.38	1.42	4	9	8.58
Cambridge, St. Jas.	3.17	1.12	7	11	5.14
New Market ..	2.60	1.20	17	6	8.16
Kew Park ..	..	..	..	..	5.70
Montpelier ..	3.12	2.00	7	3	..
The Bog ..	3.19	1.39	28	5	6.92
Bethel Town Dist. ..	4.61	1.26	4	13	..
Burnt Ground ..	3.70	1.54	28	5	6.01
Haughton Grove ..	4.63	1.77	4	9	5.22
Darliston ..	5.24	2.20	4	12	7.43
Knockalva ..	..	..	..	..	6.33
Ramble ..	..	..	..	..	..
Bluefields ..	3.73	1.80	28	5	6.67
Whithorn ..	5.78	1.35	17	12	6.39
Water Works Pen ..	6.42	1.67	17	13	6.49
Askenish ..	4.50	1.20	6	6	..
Grange Hill ..	8.56	2.98	12	13	5.74
King's Vale ..	3.04	1.07	7	7	5.55
Southern Division (S.)					
Morant Point L.H.	6.67	1.15	28	19	8.24
Golden Grove ..	7.01	1.65	28	19	..
Pleasant Hill ..	8.52	2.29	28	21	..
Bowden ..	6.10	0.86	28	21	..
East Prospect ..	4.94	0.96	12	18	11.88
Morant Bay ..	4.90	0.82	7	15	7.28
Petersfield ..	18.13	2.50	15	22	..
Aeolus Valley ..	4.86	0.90	7	15	..
Yallahs ..	2.36	0.60	22	6	..
Easington ..	4.17	1.01	7	16	6.02
Norris ..	3.75	1.30	7	6	..
Mavis Bank ..	2.13	0.50	4	5	..
Bull Bay ..	0.85	0.85	17	1	3.41
Bellevue ..	2.92	0.98	3	18	15.73
Dallas Castle ..	4.94	1.64	17	8	..
Gordon Town ..	2.40	0.88	5	8	9.79
Irish Town ..	2.01	0.45	20	9	10.16
Hope Gardens ..	1.56	0.60	3	9	5.95
Ivor ..	2.14	0.82	21	6	..
Plumb Point L.H. ..	1.40	0.57	3	5	2.56
King's House Gar. ..	0.55	0.50	3	2	5.32
Upper Kingston ..	1.66	0.73	3	11	2.60
Kingston P.W.O. ..	1.74	1.00	3	10	3.03
Halfway Tree ..	0.72	0.23	28	7	4.40
Clifton Pen ..	0.86	0.56	29	2	6.28
Red Hills ..	2.15	0.75	21	5	..

Station.	November, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	0.00	..	..	0	3.03
Hematine ..	1.08	0.33	21	9	..
Spanish Town ..	0.64	0.29	28	4	3.90
The Stewartry ..	1.90	0.70	16	4	..
Hog Hole, St. Cath.	1.91	0.62	17	9	4.80
Hartlands ..	1.80	0.50	17	6	5.69
Amity Hall ..	..	..	..	..	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	3.11	1.43	9	8	4.81
May Pen ..	2.28	0.95	17	8	4.92
Glen Muir ..	2.50	1.00	27	3	..
	..	..	..	..	..
Cottage ..	3.73	1.80	1	9	..
Belle Plain ..	3.38	1.46	17	7	..
Milk River ..	3.36	1.15	18	7	5.97
Retrieve ..	3.47	0.75	29	8	..
Hog Hole, S. Man.	4.56	1.20	28	8	..
Stone's Hope ..	5.38	1.40	17	10	5.84
Newport, Man. ..	3.47	0.56	5	13	7.48

Station.	November, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Great Valley, Man.	2.10	0.75	16	5	4.89
Alligator Pond ..	0.80	0.50	28	2	3.76
Fairfield ..	2.75	0.86	7	14	7.17
Lititz ..	1.66	0.48	18	6	4.68
Myersville ..	3.52	1.11	17	5	..
Gilnock ..	2.73	1.57	17	4	..
Southfield, St. Eliz.	2.11	0.76	28	9	5.07
Bethlehem, St. Eliz.	..	..	..	..	7.36
Torrington ..	3.85	0.75	18	8	6.93
Santa Cruz ..	1.43	0.54	9	7	6.19
Pedro Plains ..	3.32	0.94	5	8	4.35
Mountainside ..	2.39	1.21	17	6	..
Fort Charles ..	3.09	..	..	8	..
Black River ..	4.46	1.72	17	12	4.34
Font Hill ..	2.50	1.50	8	7	4.79
Mount Edgecombe	2.23	0.53	8	13	4.94
Sweet River ..	3.31	0.84	28	11	3.92
Sav.-la-Mar ..	1.55	0.40	17	8	3.86
Little London ..	1.50	0.43	17	10	..
Retreat ..	2.56	0.96	18	9	4.98
Negril Point L.H. ..	2.53	0.66	17	10	4.30

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	November. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	8.34	16.22	16	16
Northern ..	2.95	6.74	9	11
West-Central ..	3.95	6.48	9	11
Southern ..	2.47	5.35	9	9
The Island means. ..	4.43	8.70	11	12

Shocks of Earthquake in November, 1929.

Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
Nov. 1	7.49 p.m.	I	Lititz.
Nov. 1	7.49 p.m.	I	Mandeville.

N.B. It is particularly requested that all Rainfall Postcards be sent in not later than the 5th of each month.

The Island—November.

The mean rainfall for the Island was only about half the average. There was marked deficiency in all the Divisions.

Most of this small precipitation appears to have taken place about the 7th and 17th, but it was fairly well distributed as the mean number of rainy days was 11, one less than the average for the month. The greatest number of rainy days was 26 at Priestman's River, Portland.

The greatest total fall was 25.92 inches at Moore Town, Portland, and the heaviest fall in 24 hours was 6.82 inches at Fellowship, Portland, on the 28th.

The mean rainfall in each parish is given below:—

	Inches.		Inches.
Kingston	1.60	St. James ..	3.17
St. Andrew	2.69	Hanover ..	3.07
St. Thomas	5.71	Westmoreland ..	4.05
Portland	14.28	St. Elizabeth ..	2.52
St. Mary	5.78	Manchester ..	3.93
St. Ann	3.40	Clarendon ..	2.97
Trelawny	3.16	St. Catherine ..	3.01

City of Kingston.

The total rainfall for the month of November was 1.74 inch with 10 rainy days. The precipitation was a little over one-half the 50-year normal, of 3.03 inches but the rainy days were 3 above that of the 47-year average. The greatest fall in 24 hours was 1.00 inch on 3rd. The upper boundary of Kingston gauged 1.66 inch with 11 rainy days. Rain was observed on the nearby hills, or on the Liguanea Plain, to north on 3 days, to NE on one day and to east on one day.

The mean of the daily miles of wind registered was 151 as against the 20-year normal of 139: being 9% in excess. The maximum number of miles of wind in one day was 256 on 30th, and the minimum 84 on 11th. South-easterly wind continued until after 7 p.m. on five occasions.

The mean barometric pressure was 29.888 inches, the 33-year normal being 29.892 inches. Highest barometer reading 29.933 inches on 23rd, at 7 a.m., and the lowest 29.829 inches on 17th at 7 a.m. (correc. for diurnal var.).

Mean temperature, based upon four observations per day, was 77.8 degrees, the 33-year normal being 78.3 degrees. The maximum temperature was below 90 degrees throughout, and the minimum was above 70 degrees on 20 days. Highest maximum temperature 89.4 degrees on 26th, and lowest minimum 66.0 degrees on 18th. The daily greatest range of temperature was 20.0 degrees on 14th and least 9.1 degrees on 30th. Then the lowest maximum was 82.7 degrees on 12th, and the highest minimum 75.5 degrees on 30th.

Mean relative humidity 81%, and the 33-year normal 82%. The mean 7 a.m. 88%, and the mean 3 p.m. 68%. Lowest 7 a.m. 79% on 25th and the lowest 3 p.m. 54% on 24th.

Distant lightning was observed to north on one day, and to SW on one day. Moderate local thunder-storm on 3rd.

The sky was overcast in the early morning on eleven occasions, and in the afternoon on nine occasions.

The total evaporation for the month was 3.19 inches: the 6-year normal being 3.86 inches.

Mean number of daily sunshine hours 7.2.

A Solar Halo was seen on the 24th.

J. F. Brennan,
Government Meteorologist.

Kingston, December 20th, 1929.

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JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

DECEMBER, 1929.

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	29.994	29.958	78.7	81.1	82.5	74.4	8.1	84.4	5	63.5	24	20.9
Kingston	24	29.973	29.915	69.8	83.2	85.0	68.7	16.3	88.5	3	65.0	23	23.5
Negril Point Light House	33	29.975	29.924	72.2	82.7	86.3	69.5	16.8	90.0	5	66.4	17*	23.6
Castleton Gardens	496	..	..	66.9	78.3	82.3	65.9	16.4	86.0	1*	59.0	24	27.0
Hope Gardens†	668	30.013	29.918	71.5	85.1	85.7	65.0	20.7	88.0	2*	62.0	14	26.0
Stony Hill Indus. School	1,400	..	..	69.2	78.4	78.9	66.0	12.9	86.0	31	64.0	13*	22.0
Hill Gardens	4,900	25.247	25.205	63.4	64.9	66.3	55.2	11.1	69.0	20	52.0	17	17.0

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	72	80	73	78	4.47	307	NE	17.0	NE	16.0	1.8	3.6	0.5	2.0	3.5	0.3
Kingston ..	24	65	87	71	67	1.27	157	NNE	4.8	SE	12.0	1.6	0.5	0.7	2.2	2.7	0.3
Negril Point Light House	33	67	86	73	71	4.69	203	NE	8.5	ENE	9.6	1.9	0.6	1.6	2.5	3.3	0.1
Castleton Gardens ..	496	65	95	74	86	8.10	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	59	65	64	50	0.88	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. Schl.	1,400	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—
Hill Gardens	4,900	60	89	61	85	5.62	..	..	..	..	..	..	..	..	..	..	—

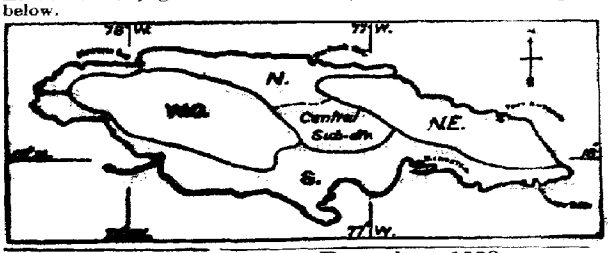
* And on other days. † Hope Gardens Bar., read at 9 a.m. and 3 p.m.

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, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTH-EASTERN DIVISION. (N.E.)	In.	In.			In.
Manchioneal ..	10.46	3.00	18	7	8.11
Priestman's River ..	9.46	1.25	17	23	..
Fairy Hill ..	8.01	1.10	16	15	..
Bath ..	9.77	1.50	18	25	9.21
Millbank ..	23.65	3.90	13	17	..
Moore Town ..	19.17	3.77	20	19	26.08
Port Antonio ..	9.69	1.25	19	26	13.57
Passley Garden ..	9.68	1.44	13	20	..
Fellowship ..	13.21	1.33	13	22	20.04
Johnson River Br. ..	10.24	2.59	18	19	5.24
Trinity Ville ..	4.60	1.40	19	8	..
Shrewsbury ..	13.58	2.00	13	23	21.12
Hope Bay ..	11.10	1.80	13	24	..
Cedar Valley ..	4.00	2.00	18	9	5.17
Moy Hall ..	5.40	0.83	18	15	5.89
Paradise ..	12.54	1.95	11	23	..
Lennox ..	14.89	1.85	13	20	..
Greenvale ..	13.05	4.10	26	10	25.12
Spring Garden ..	9.79	2.40	27	19	11.91
Hill Gardens ..	5.62	1.35	26	14	10.30
Buff Bay ..	11.59	2.10	13	19	12.66
Orange Vale ..	15.55	4.25	26	16	..
Belvedere, Portland	..	..	..	..	
Windsor Castle do	7.15	1.50	13	17	12.59
Balcarres ..	16.83	3.40	26	9	..
Mt. Holstein ..	13.12	4.07	26	20	18.45
Cedar Hurst ..	5.42	1.11	14	13	..
Hardware Gap ..	4.91	1.43	11	9	6.90
Rose Hill ..	5.43	1.69	17	8	5.04
Hermitage ..	2.69	0.70	12	15	..
Mount James ..	5.91	1.54	26	9	..
Stony Hill Ind. Schl.	2.61	0.65	11	14	4.19
Iter Boreale ..	7.48	2.56	25	12	..
Enfield ..	11.47	3.00	26	27	..
NORTH-EASTERN DIVISION, *contd.*	In.	In.			In.
Agualta Vale ..	6.82	1.15	11	17	10.44
Castleton Gardens	8.10	2.56	26	16	13.09
Water Valley ..	5.69	1.10	11	10	10.30
Albany ..	7.10	1.70	25	18	10.17
Lawrence Tavern ..	2.63	0.75	11	8	4.85
Richmond, St. Mary	7.70	1.22	26	16	10.35
Quebec, St. Mary ..	10.24	1.58	11	17	9.92
Zion Hill ..	3.63	1.10	11	10	..
Carew Castle ..	5.13	2.56	6	6	5.27
Hampstead, St. Mary	8.70	1.75	26	22	14.54
Windsor Castle do	8.80	1.70	25	15	..
Troja ..	6.17	1.15	26	9	..
Pear Tree Grove ..	7.45	2.61	12	6	..
Guy's Hill ..	8.69	2.05	25	10	..
Lucky Hill ..	9.43	1.83	26	22	12.12
Rio Hoe ..	6.67	1.92	26	18	8.82
Unity Valley ..	8.01	1.53	26	17	7.55
Moneague ..	7.00	1.69	26	14	7.44
Claremont ..	7.13	1.82	26	8	8.39
Averham Park ..	17.23	6.90	25	14	10.73
Albion ..	6.55	2.20	26	18	8.30
NORTHERN DIVISION (N).					
Port Maria ..	11.83	2.15	26	19	8.91
Eden Park ..	10.30	1.45	11	20	..
Oracabessa ..	11.56	2.50	25	17	..
New Ramble ..	9.11	2.08	27	10	10.04
Huddersfield ..	10.01	3.00	25	9	..
Ocho Rios ..	8.55	1.62	11	15	6.67
Bogue, Ocho Rios ..	8.31	2.20	25	11	8.51
Drax Hall ..	9.11	1.61	11	17	8.34
Rockfield ..	11.40	3.24	11	18	9.28
Liberty Hill ..	10.49	4.10	28	13	8.84
St. Ann's Bay ..	7.80	2.70	26	12	7.84
Seville ..	6.52	2.50	26	11	7.99
Richmond Estate ..	5.75	1.42	26	14	8.58
Llandovery ..	4.20	1.10	11	8	8.34
Runaway Bay ..	3.85	0.75	26	14	..
Knapdale ..	9.82	2.72	26	15	..
Alexandria ..	6.08	1.30	25	14	..
Bell-Air ..	5.75	1.45	26	12	..
Brown's Town ..	9.37	3.65	26	17	8.72
Watt Town, St. Ann	3.68	2.32	26	5	..
Home Castle ..	6.55	2.05	26	11	7.78
Richmond Pen ..	2.95	0.75	26	11	4.94
Bryan Castle ..	4.75	1.50	10	8	6.58
Braco ..	5.45	2.00	10	12	5.92
Arcadia ..	5.72	1.91	25	14	7.00
Vale Royal ..	6.00	1.61	26	13	7.77
Harmony Hall ..	3.50	1.50	11	8	6.26
Colchis Pen ..	8.73	3.38	26	12	4.44
Duncans ..	1.86	0.50	10	7	..
Clark's Town ..	6.99	2.58	25	8	..
Carey Park ..	3.26	1.35	10	7	..
Falmouth ..	2.79	0.82	10	9	4.92
Canaan ..	9.39	3.40	10	10	5.66
Grange ..	4.96	2.05	10	7	..
Success ..	3.40	0.85	21	8	4.41

Station.	December, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Northern Division, *contd.*	In.	In.			In.
Rose Hall ..	3.05	0.75	21	9	5.20
Cinnamon Hill ..	2.65	0.60	21	8	5.29
Tryall ..	3.54	1.07	25	8	3.72
Running Gut ..	2.75	0.75	26	8	5.30
Spring Estate ..	2.74	0.55	25	7	5.71
Friendship ..	7.09	2.88	11	13	..
Retirement ..	6.11	2.60	10	10	2.92
Belfield ..	7.97	2.35	10	10	6.01
Montego Bay ..	4.98	1.79	10	11	4.79
Anchovy ..	1.54	0.30	10	10	3.79
Bamboo-Hanover ..	5.89	1.46	25	9	..
Blue Hole ..	4.83	1.35	28	8	..
Kew ..	6.80	2.30	25	12	3.39
Lucea ..	5.92	1.75	25	14	3.72
Haughton Court ..	4.19	1.00	26	12	3.51
Cousins Cove ..	5.14	1.30	26	8	..
Green River ..	..	..	..	..	..
Green Island ..	4.85	1.30	26	9	..
Haughton Hall ..	4.57	1.13	25	13	..
Central Sub-Division.					
Knollis ..	4.32	1.75	6	9	..
Highgate ..	3.86	1.05	6	11	..
Rio Magno ..	5.39	1.00	25	8	..
Riversdale ..	3.84	1.33	6	10	..
Headworks, R.C.C	2.27	0.52	16	6	2.08
Bog Walk ..	3.87	1.76	6	8	..
Linstead ..	3.66	1.73	17	12	3.50
Cave Valley ..	2.40	0.53	11	7	3.18
Guanaboa Vale ..	4.03	1.35	15	10	..
Point Hill ..	5.32	1.50	6	15	5.31
Bellas Gate ..	2.29	0.47	15	11	..
Rock River ..	3.38	0.58	19	14	..
Crofts Hill ..	3.40	1.10	26	5	2.92
Suttons ..	3.85	0.83	17	11	..
Chapelton ..	3.77	0.95	26	17	2.63
Crooked River ..	2.32	0.35	6	11	..
Trout Hall ..	2.17	..	..	..	3.24
James Hill ..	..	..	..	..	..
Frankfield ..	3.44	0.56	16	13	..
West-Central Division (W.C.)					
Mocho, Clarendon ..	4.05	2.20	5	8	2.30
Clarendon Park ..	2.22	0.65	11	7	..
Spaldings ..	2.79	0.65	26	13	..
Williamsfield ..	1.97	0.42	6	12	..
Brokenhurst ..	4.86	1.09	11	11	3.38
Shooters Hill ..	2.29	0.43	11	11	2.99
Lowe River ..	2.76	1.16	26	7	3.96
Christiana ..	2.19	0.44	25	17	3.52
Clifton Hill ..	4.75	1.40	29	6	..
Kendal, Manchester	1.95	0.36	16	8	2.90
Mereworth ..	6.17	1.65	29	11	..
Mandeville ..	4.46	0.98	11	9	3.34
Ulster Spring ..	3.70	1.15	25	12	4.54
Marshalls' Pen ..	2.41	0.97	11	4	3.37
Greenvale ..	1.71	1.26	16	6	..
Albert Town ..	6.64	1.50	19	9	4.48
Warsop ..	2.83	0.71	25	10	..

Station.	December, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average
West-Central Division, *contd.*	In.	In.			In.
Troy ..	1.55	0.75	17	4	3.74
Wallingford ..	2.28	1.36	17	12	2.68
Balaclava ..	1.53	0.70	17	4	2.61
Appleton ..	..	..	..	..	..
Deeside ..	2.03	0.86	25	7	..
Maggotty ..	2.04	0.48	3	8	3.13
Lacovia ..	0.85	0.22	11	6	..
Ipswich ..	..	..	..	..	..
Kempshot ..	5.64	1.83	10	7	5.58
Garlands ..	6.44	2.79	26	11	..
Mocho, St. James ..	6.33	2.55	26	13	..
Bandon Pen ..	5.24	1.40	26	9	..
Springfield, St. Eliz.	..	..	..	..	..
Catadupa ..	5.37	1.98	26	8	2.98
Cambridge, St. Jas.	3.49	0.96	26	10	2.75
New Market ..	1.45	0.50	15	6	2.27
Kew Park ..	3.57	0.94	26	9	2.69
Montpelier ..	3.76	1.88	16	5	..
The Bog ..	2.45	0.59	2	9	3.42
Bethel Town Dist. ..	3.46	1.27	26	10	..
Burnt Ground ..	5.20	1.22	17	9	3.31
Haughton Grove ..	4.61	2.18	17	13	3.10
Darliston ..	2.73	1.01	5	9	3.32
Knockalva ..	3.50	1.69	17	8	2.90
Ramble ..	..	..	..	..	..
Bluefields ..	7.25	1.81	5	10	2.53
Whithorn ..	2.52	0.81	26	6	2.78
Water Works Pen ..	4.51	1.46	3	7	1.84
Askenish ..	5.38	2.00	25	7	..
Grange Hill ..	5.95	1.29	27	16	3.20
King's Vale ..	6.05	1.35	25	12	3.48
Southern Division (S.)					
Morant Point L.H.	4.47	0.61	18	20	6.11
Golden Grove ..	8.16	2.10	16	23	..
Pleasant Hill ..	8.23	1.31	18	21	..
Bowden ..	7.02	1.19	16	23	..
East Prospect ..	9.21	1.71	16	24	5.09
Morant Bay ..	9.10	2.43	20	19	4.32
Petersfield ..	..	..	..	..	..
Aeolus Valley ..	6.00	1.55	20	14	..
Yallahs ..	3.12	0.96	18	5	..
Easington ..	3.71	1.00	20	14	3.14
Norris ..	1.40	0.60	17	3	..
Mavis Bank ..	2.93	0.80	16	6	..
Bull Bay ..	0.00	..	..	0	1.41
Bellevue ..	3.32	0.75	16	14	2.95
Dallas Castle ..	1.95	0.64	10	7	..
Gordon Town ..	1.56	0.51	25	11	3.34
Irish Town ..	2.60	0.65	18	11	3.63
Hope Gardens ..	0.88	0.30	13	7	2.82
Ivor ..	2.08	0.88	12	9	..
Plumb Point L.H. ..	1.31	0.43	20	8	1.48
King's House Gar. ..	2.20	0.50	13	6	2.12
Upper Kingston ..	1.37	0.57	11	11	0.66
Kingston P.W.O. ..	1.27	0.64	11	7	1.59
Halfway Tree ..	1.08	0.27	11	7	1.99
Clifton Pen ..	1.08	0.59	11	4	1.45
Red Hills ..	.	..	..	..	..

Station.	December, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Quarantine Station	0.96	..	..	6	1.17
Hematine ..	1.41	0.64	11	9	..
Spanish Town ..	1.44	0.50	16	6	1.98
The Stewartry ..	2.50	1.65	11	8	..
Hog Hole, St. Cath.	1.90	1.38	11	3	2.14
Hartlands ..	0.80	0.20	19	5	2.32
Amity Hall ..	..	..	..	..	..
Bushy Park ..	..	..	..	..	..
Old Harbour ..	2.99	1.35	11	5	2.48
May Pen ..	3.76	1.76	11	9	2.29
Glen Muir ..	2.35	1.70	12	2	..
Cottage ..	0.86	0.58	18	4	..
Belle Plain ..	3.36	2.36	11	6	..
Milk River ..	0.00	..	..	0	2.31
Retrieve ..	2.04	0.50	11	6	..
Hog Hole, S. Man.	5.96	2.50	30	5	..
Stone's Hope ..	3.77	0.82	29	8	2.82
Newport, Man. ..	2.97	0.81	11	13	3.62

Station.	December, 1929. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
Southern Division, *contd.*	In.	In.			In.
Great Valley, Man.	3.06	1.01	16	6	2.68
Alligator Pond ..	1.80	0.90	29	3	2.40
Fairfield ..	2.74	0.80	11	16	3.16
Lititz ..	1.45	0.95	11	6	1.53
Myersville ..	2.04	1.40	16	5	..
Gilnock ..	1.10	0.90	11	2	..
Southfield, St. Eliz.	2.47	0.89	11	7	1.89
Bethlehem, St. Eliz.	5.97	1.36	16	10	2.77
Torrington ..	3.74	1.42	11	6	2.66
Santa Cruz ..	2.43	0.84	11	7	2.84
Pedro Plains ..	1.85	0.80	12	4	1.64
Mountainside ..	0.63	0.37	14	6	..
Fort Charles ..	1.49	..	31	2	..
Black River ..	2.89	1.00	11	11	3.31
Font Hill ..	3.20	1.20	16	6	2.04
Mount Edgecombe	3.12	0.65	16	13	2.36
Sweet River ..	2.91	0.91	5	6	3.35
Sav.-la-Mar ..	2.95	1.05	17	7	2.07
Little London ..	4.44	1.25	17	9	..
Retreat ..	3.83	1.10	17	10	2.41
Negril Point L.H. ..	4.69	1.12	25	14	2.11

Notes.

Comparative Table of Rainfall and Rainy Days.

Divisional and Island Rainfall.	December. Rainfall. 1929.	Rainfall. Ave.	Rainy Days. 1929.	Rainy Days. Ave.
	Ins.	Ins.		
North-Eastern ..	8.61	11.22	15	14
Northern ..	5.64	5.52	11	9
West-Central ..	3.69	3.64	9	7
Southern ..	2.77	2.49	9	6
The Island means ..	5.18	5.72	11	9

Shocks of Earthquake in December, 1929.

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—December.

The mean rainfall for the month was slightly below the average. The North-Eastern Division had much less than its average, but the other three Divisions had a little more than their averages.

No rain fell at Bull Bay and Milk River.

Most of the rain appears to have fallen on the 11th and 26th.

The greatest total fall for the month was 23.65 ins. at Millbank, in the North-Eastern Division, and the heaviest fall in 24 hours was 6.90 Ins. at Averham Park in the same Division on the 25th.

The mean number of rainy days was 11 or 2 more than the 33 year average.

The mean rainfall in each parish is given below :—

	Inches.		Inches.
Kingston	1.32	St. James ..	4.82
St. Andrew	2.75	Hanover ..	5.07
St. Thomas	6.29	Westmoreland ..	4.11
Portland	12.39	St. Elizabeth ..	2.20
St. Mary	9.02	Manchester ..	3.25
St. Ann	7.33	Clarendon —	2.78
Trelawny	4.35	St. Catherine —	3.73

The Island Rainfall for the Year, 1929.

The Comparative table "A" attached shows 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.

In the first half of the year the rainfall was 66% and for the second half 87% of the average, and the total for the year was only 78% of the average.

The North-Eastern and Northern Divisions were 23%, the Northern Division 19% and the Southern Division 21% below the average.

March and August were the only two months in which the average was exceeded.

The mean number of rainy days was 124 or 2 more than the 33-year average of 122.

Table "B" shews the mean rainfall in the 14 Parishes each month. Portland with 114.54 inches had the greatest total for the year. Westmoreland was next with 79.96 inches and St. Thomas third with 73.61 inches. Kingston with only 20.62 inches was the lowest.

City of Kingston.

The total rainfall for the month of December, was 1.27 inch, with seven rainy days, the precipitation was below normal. The 50-year average being 1.59 inch with five rainy days. Greatest fall in 24 hours was 0.64 inch on 11th. Upper boundary of Kingston ganged 1.87 inch, with eleven rainy days. Rain was observed on the nearby hills, on the Liguanea Plain, or to Seaward as follows:—To northward on 6 days, N.E. 6 days, Eastward, 2 days, South, S.W. and N.W. one day each.

The mean of the daily miles of wind registered was 157, as against the 20-year normal of 145, being 8% in excess. The max. number of miles of wind in one day, was 303 on 1st., and the minimum, 105 on 5th. South-easterly wind blew early on 1st, 2nd and 18th, and continued after 7 p.m. on 1st, 8th, 18th and 22nd. S.E. rainsquall on 1st. Fresh "norther," or short duration, on 24th and 25th.

The mean barometric pressure was 29.958 ins. and the 33-year normal is 29.941 ins. Highest barometer reading 30.044 ins. on 25th at 3 p.m., and lowest, 29.864 ins. on 18th at 7 a.m. (correc. for diur. var.)

Mean daily temperature, based upon 4 observations per day, was 76.2 degrees, the 33-year normal being 76.8 degrees. The maximum temperature was below 90 degrees throughout, and the minimum temperature, was below 70 degrees on 21 days. Highest maximum temperature 88.5 degrees on 3rd, and lowest minimum 65.0 degrees on 23rd. Then, the lowest maximum was 81.3 degrees on 23rd, and the highest minimum 72.2 degrees on 1st. The daily greatest range of temperature was 21.2 degrees on 24th, and the least 11.3 degrees on 20th.

The mean relative humidity was 80%, which corresponds with 33-year normal. The mean 7 a.m. 87%, and mean 3 p.m. 67%. Lowest 7 a.m. 77% on 9th, and lowest 3 p.m. 50 % on 24th.

Distant lightning was observed to the North on 5th, 6th, 11th, 13th, 14th and 27th. N.E. on 5th and 6th. East on 18th and 27th. South on 18th, S.W. on 18th, and to N.W. on 25th. Distant thunderstorm to S.W. on 15th, 8 p.m., and to south on 16th, 5 a.m.

The sky was overcast in the early morning on five occasions, and in the afternoon, on eleven occasions.

Total evaporation for the month was 3.42 inches: the 6-year normal being 4.36 inches. Then the total evaporation for the year 1929, was 72.72 inches, and the 6-year annual normal gives 74.71 inches, representing 1.99 inch below normal.

Mean number of daily sunshine hours was 7.8.

A Lunar Halo was seen on 15th at 9 p.m.

Kingston—Meteorological Results for the Year 1929.

The usual Table (C), giving the meteorological results for the year 1929, is appended. From this Table will be gathered the mean annual barometric pressures, where the 7.a.m. observations give a mean of 29.952 inches, and those of the 3 p.m. 29.900 inches. Then, by applying the correction for the diurnal variation, in both instances, the mean for the twelve months of 29.937 inches is derived. The 33-year mean barometric pressure being 29.932 inches. Therefore the year 1929 shews 0.005 inch above the normal, and 0.001 inch above that of 1928. The mean temperature was 78.2 degrees, or 0.5 degree lower than the 33-year normal of 78.7 degrees. The highest maximum temperature was 93.4 degrees, on July 24th, and the lowest minimum 62.7 degrees on January 29th.

The greatest monthly range of temperature was 26.4 degrees in January, and the least 19.0 degrees in June. The mean monthly range was 22.6 degrees, being 0.2 degree lower than in the years 1927, and 1928. The anemometer records shew a mean total miles of wind per day of 196, as against 182 of the 20-year mean. Only the months of August and September, the wind average was below the normal.

The mean relative humidity for 7 a.m. was 83% (normal 82%) and for 3 p.m. 67% (normal 69%), and the general mean for the year 78½%, or about the normal for the year.

The rainfall for the year was only 19.96 inches: the 50-year normal being 33.59 inches, representing a deficiency of 13.63 inches. Each month, with the exception of August, was below the 50-year normal. The total number of rainy days, however, was 80 corresponding with the 47-year normal. The upper boundary of Kingston had a total of 23.08 inches with a total of 98 rainy days. The percentage of cloudiness on the whole was slightly above the normal.

J. F. Brennan,
Government Meteorologist.

Kingston, January 21st, 1930.

TABLE A.—THE ISLAND RAINFALL, 1929. (IN INCHES).

Month.	Divisions.				The Island.		Rainy Days.	
	N.E.	N.	W.C.	S.	1929.	Average 50 years.	Means for 1929.	Average for 33 years.
January	6.03	2.62	1.58	1.49	2.93	4.10	9	8
February	2.98	1.43	1.69	1.34	1.86	3.06	6	7
March	8.77	3.33	4.32	2.23	4.66	3.42	9	8
April	4.72	2.29	4.80	1.83	3.41	5.03	8	9
May	5.73	3.18	7.78	3.17	4.96	9.12	11	12
June	2.53	3.33	5.37	2.13	3.34	7.18	8	10
July	4.49	2.11	7.17	2.32	4.02	4.90	8	9
August	12.03	6.30	11.32	7.18	9.21	6.93	15	11
September	8.63	4.87	8.56	6.36	7.10	7.91	14	13
October	8.28	6.32	12.54	9.33	9.12	10.39	14	14
November	8.34	2.95	3.95	2.47	4.43	8.70	11	12
December	8.61	5.64	3.69	2.77	5.18	5.72	11	9
Totals 1929 ..	81.14	44.37	72.77	42.62	60.22	..	124	..
Totals 50-year Average	104.60	57.79	89.28	54.13	..	76.46	..	122

TABLE B.—MEAN RAINFALL FOR EACH PARISH FOR YEAR 1929 (In Inches).

Parish.	Jany.	Feby.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Kingston ..	0.42	0.44	0.53	0.14	0.55	0.46	0.81	5.13	4.02	5.20	1.60	1.32	20.62
St. Andrew ..	1.28	1.80	2.27	2.39	2.68	0.89	1.74	5.85	7.81	6.68	2.69	2.75	38.83
St. Thomas ...	4.31	2.00	5.27	2.45	2.78	4.74	4.15	8.82	11.89	15.20	5.71	6.29	73.61
Portland ..	9.72	5.14	12.91	7.03	7.79	3.27	8.24	15.89	9.14	8.74	14.28	12.39	114.54
St. Mary ..	6.25	1.73	6.59	3.61	4.14	1.83	2.72	9.04	6.24	3.75	5.78	9.02	60.70
St. Ann ..	3.92	1.75	5.74	2.73	4.42	2.60	1.70	6.64	5.79	5.47	3.40	7.33	51.49
Trelawny ..	1.68	1.43	3.03	3.21	4.33	2.90	2.47	6.76	7.18	5.99	3.16	4.35	46.49
St. James ..	1.09	2.30	3.09	3.17	4.36	4.96	3.83	7.28	5.90	9.72	3.17	4.82	53.69
Hanover ..	0.59	1.31	3.73	2.63	7.19	11.15	7.71	10.83	8.43	11.00	3.07	5.07	72.69
Westmoreland ..	1.69	1.30	5.78	5.02	11.71	5.85	10.34	12.82	7.14	10.15	4.05	4.11	79.96
St. Elizabeth ..	0.84	1.70	2.50	3.57	4.52	2.03	4.09	9.93	8.89	10.35	2.52	2.20	53.14
Manchester ..	2.81	1.34	1.93	2.74	3.28	3.28	2.90	9.40	8.09	14.99	3.93	3.25	57.94
Clarendon ..	1.99	1.14	2.71	2.14	3.17	3.06	2.35	7.14	7.25	13.83	2.97	2.78	50.53
St. Catherine ..	2.02	1.24	5.60	2.86	4.28	2.32	2.61	7.96	6.54	7.29	3.01	3.73	49.46

KINGSTON, JAMAICA.—TABLE C—METEOROLOGICAL RESULTS FOR THE YEAR 1929.

(FOR 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.			
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	%	°	%	Ins.	
January ..	29.977	29.922	75.7	69.2	82.8	85.4	67.3	18.1	89.1	62.7	26.4	64	83	68	61	0.55	8
February ..	.978	.925	75.5	68.4	82.9	85.0	67.7	17.3	88.1	64.2	23.9	63	83	68	62	0.50	3
March ..	.979	.926	76.6	70.7	83.3	85.4	69.1	16.3	87.9	66.3	21.6	65	82	70	64	0.39	5
April	.981	.929	77.4	73.0	82.9	85.7	69.9	15.8	91.0	65.1	25.9	67	82	70	65	0.14	3
May	.986	.927	79.2	76.0	84.1	87.3	71.5	15.8	89.4	68.0	21.4	68	77	71	66	0.63	7
June	.951	.908	81.0	78.0	85.4	87.8	74.8	13.0	90.9	71.9	19.0	70	77	73	68	0.44	4
July	.986	.932	81.3	76.4	87.1	89.9	73.8	16.1	93.4	71.6	21.8	69	78	72	62	0.65	3
August ..	.937	.895	80.0	75.5	84.2	88.6	73.6	15.0	92.9	70.2	22.7	71	86	75	73	6.27	10
September ..	.888	.847	79.0	74.6	83.7	87.1	72.7	14.4	88.9	68.3	20.6	71	89	75	75	2.42	9
October ..	.880	.826	78.6	74.1	83.2	86.8	72.4	14.4	90.1	68.6	21.5	70	88	74	74	4.96	11
November ..	.907	.845	77.8	71.9	84.3	86.4	70.6	15.8	89.4	66.0	23.4	68	88	72	68	1.74	10
December ..	29.973	29.915	76.2	69.8	83.2	85.0	68.7	16.3	87.9	65.0	22.9	65	87	71	67	1.27	7
Means ..	29.952	29.900	78.2	73.1	83.9	86.7	71.0	15.7	89.9	67.3	22.6	68	83	72	67	..	..
Totals ..	..	..	..	..	..				..	..	..	..	..	..	..	19.96	80

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 Building, Port Royal Street as follows:—Elevation above sea-level rain gauge 57.28 ft. Anemometer 69.38 ft. wind vane 70.88 ft. Standard Barometer at Public Works Building 24 ft. 75th Meridian Time adopted.

KINGSTON, 1929—MEAN RESULTS, *contd.*

Month.	Wind Miles per diem.	Wind from and Miles per hour. 7 a.m.	3 p.m.	11 p.m.	Clouds: in Tenths. Lower. 7 a.m.	Lower. 3 p.m.	Middle. 7 a.m.	Middle. 3 p.m.	Upper. 7 a.m.	Upper. 3. p.m.	Weather Conditions.
January ..	179	N.N.E. 5.2	S.E. 11.8	N.E. 5.2	3.6	3.1	0.7	2.3	0.7	1.1	Rainfall about half of Average. S. E. Wind early on 3 occasions and late on 10. S. E. Squall on 3rd, 10th, 13th and 24th.
February ..	206	N.E. 5.4	S.E. 14.6	E. 5.1	1.4	2.5	1.1	1.3	0.0	0.0	Rainfall five-sixteenth of Average. Norther on 3rd and 11th. S. E. Squalls on 15th. Brisk S. E. Wind throughout many nights.
March ..	210	N.N.E. 4.6	S.E. 15.8	N.E. 4.8	1.3	2.8	0.4	3.7	0.5	0.5	Rainfall one-third of 50-year Average. S. E. Rain Squalls on 12th and 22nd. S. E. Wind throughout on 1st, 22nd and 23rd.
April ..	188	N.E. 4.2	S.E. 15.1	E. 4.8	1.8	4.3	0.9	3.5	0.7	0.4	Rainfall one-ninth of Average. S. E. Wind throughout on 3 occasions. Solar halo on 17th.
May ..	241	N.N.E. 5.1	S.E. 20.3	E.N.E. 4.2	0.8	3.5	0.9	1.7	3.2	1.5	Rainfall one-seventh of 50-year Average. Rain on hills on 17 occasions. Distant Lightning on 2 nights. Distant Thunderstorm to N. and N. W. on 6 days. Local Thunderstorm on 29th. S. E. Rain Squall on 26th. Lunar Halo on 24th.
June ..	287	E.S.E. 8.0	S.E. 21.0	E.S.E. 6.6	1.2	1.7	0.7	0.8	4.2	5.6	Rainfall one-ninth of 50-year Average. Distant Thunderstorm on several days. S. E. Wind throughout on 7th, 10th, 21st and 22nd. Solar Halos on 6th, 9th, 13th, and 30th.
July ..	243	N.N.E. 4.1	S.E. 22.8	N.N.E. 3.9	1.3	2.1	0.1	1.4	2.5	2.5	Rainfall less than one-half 50-year Average. Rain on hills 9 days. Distant Lightning on 13 occasions. Distant Thunderstorm 9 days. Local on 17th. Rain Squall on 20th and 28th. Dense haze, 1st to 5th.
August ..	165	N.N.E. 4.3	S.E. 13.5	N.E. 3.8	1.4	6.7	0.3	0.6	2.5	0.9	Rainfall 75% above 50-year Average. Rain on hills throughout. Frequent Distant Lightning on nights. Distant Thunderstorms in all directions on 17 days, and Local Thunderstorm on 4th, 12th, 13th and 31st. Solar Halo 27th and 28th.
September ..	152	N.N.E. 3.7	S.E. 10.6	E.N.E. 5.0	1.3	3.1	0.2	1.4	4.9	4.6	Rainfall half of 50-year Average. Thunderstorm and Rain on hills on many days. Frequent Distant Lightning at nights. Local Thunderstorm on 1st, 16th and 24th. Solar Halo on 8th. Lunar Halo on 19th.
October ..	167	E.N.E. 4.2	S.E. 12.6	N.E. 5.2	2.3	5.1	0.2	0.6	2.4	1.6	Rainfall two-thirds of 50-year Average. Rain on hills on 20 days. Distant Lightning on 6 nights. Distant Thunderstorm on 11 days. Local Thunderstorm on 28th. S. E. Rain Squall on 8th & 19th. Lunar Halos on 4 nights.
November ..	151	N.N.E. 4.8	S.E. 12.4	N.N.E. 4.4	2.0	1.9	0.8	2.5	2.1	1.0	Rainfall slightly more than 50-year Average. Rain on hills 4 days. Distant Lightning on 1st. Moderate Local Thunderstorm on 3rd. Solar Halo on 24th.
December ..	157	N.N.E. 4.8	S.E. 12.0	N.N.E. 4.3	1.6	0.5	0.7	2.2	2.7	0.3	Rainfall four-fifths of 50-year Average. Distant Rain on 6 days. Distant Lightning on 2 days. Thunderstorm to N. W. on 16th.
Means ..	196	N.E. 4.9	S.E. 15.4	E.N.E. 4.8	1.6	3.1	0.6	1.9	2.2	1.7	The total Rainfall for the Year was 19.96 inches, as against the 50-year Average of 33.59 inches. Deficit 13.63 ins.