

No. 666.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JULY, 1932.

The Bar. pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32°, gravity at Lat. 15° 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.	ins.	ins.	°	°	°	°	°	°				°
Morant Point Light House	8	29.970	29.950	82.8	85.5	86.9	78.8	8.1	88.3	16	72.0	16	16.3
Kingston	24	29.936	29.995	77.8	87.1	90.2	73.7	16.5	92.3	19	71.1	3	21.2
Negril Point Light House	33	29.949	29.929	78.1	85.1	90.1	72.6	17.5	92.2	7	71.1	1*	21.1
Castleton Gardens	496			70.1	82.5	90.1	69.1	21.0	94.0	7	68.0	3*	26.0
Hope Gardens†	668	29.977	29.917	75.6	87.0	91.6	70.9	20.7	95.0	19	69.0	3	26.0
Boon Hall	970	29.939	29.900	68.0	82.3	86.2	65.9	20.3	90.5	7	64.0	16*	26.5
Hill Gardens	4,900	25.299	25.281	64.5	68.6	72.8	59.5	13.3	77.0	15	58.0	25*	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.	°	%	°	%	ins.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	77	82	78	76	1.72	290	ENE	12.0	ENE	11.0	0.8	2.2	1.5	0.3	2.1	2.3
Kingston	24	69	76	74	64	0.86	204	N	3.7	SE	20.2	0.0	0.5	2.9	3.0	1.6	2.4
Negril Point Light House	33	71	80	75	72	5.51	175	NE	6.7	Var.	11.0	0.0	0.3	6.5	1.3	6.4	1.4
Castleton Gardens	496	69	95	77	82	7.71	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	70	81	70	57	2.77	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	66	95	72	74	4.12	..	NNE	1.1	WNW	5.0	..	..	..	..	..	..
Hill Gardens	4,900	61	87	63	81	0.95	..	..	..	..	..	..	..	..	..	..	..

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

QC
987
525
W34
1932
[Jul-Dec]

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This document has been imaged through the NOAA Climate Database Modernization Program. To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or www.reference@nodc.noaa.gov.

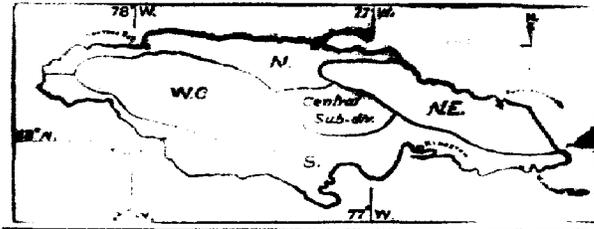
LASON
Imaging Subcontractor
12200 Kiln Court
Beltsville, MD 20704-1387
March 28, 2002

THE RAINFALL.

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

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

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



STATIONS.	July, 1932				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Ins.	Amount.	Date.		Ins.
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	5.07	1.67	20	10	5.49
Priestman's River	8.67	1.10	21	11	5.64
Bath	4.75	1.00	20	19	7.93
Barrett's Gap	5.40	0.86	20	21	..
Millbank	13.61	1.94	27	22	..
Moore Town	16.46	4.00	29	19	16.27
Port Antonio	8.82	1.51	27	15	10.25
Passley Garden	6.81	1.13	29	13	..
Fellowship	12.39	2.65	26	17	13.80
Johnson River Br.	4.08	0.87	20	8	6.63
Trinity Ville	2.16	0.42	20	8	..
Shrewsbury	7.98	2.36	20	21	8.89
Hope Bay	7.12	1.30	20	20	..
Cedar Valley	0.78	0.29	21	4	4.19
Moy Hall	0.86	0.30	19	6	5.16
Paradise	5.51	1.72	20	15	..
Lennox	6.14	1.33	29	15	..
Greenvale	1.18	0.68	25	2	3.57
Spring Garden	4.69	1.02	26	9	3.95
Hill Gardens	0.95	0.42	20	8	3.36
Buff Bay	4.72	0.85	28	11	..15
Orange Vale	1.02	0.53	20	6	..
Belvedere, Portland	2.43	0.83	9	4	2.37
Windsor Castle, do.	2.99	1.02	20	5	3.89
Balearres	0.77	0.41	20	3	..
Mt. Helstein	1.18	0.70	17	7	4.72
Cedar Hurst	3.20	1.26	25	14	..
Hardware Gap	3.81	1.10	22	12	3.90
Rose Hill	3.35	2.05	23	4	5.40
Hermitage	4.50	0.95	26	18	..
Mount James	6.00	1.47	23	10	..
Stony Hill Ind. Sch.	4.18	0.62	23	16	4.87
Boon Hall	4.12	1.01	25	19	..
Brandon Hill	3.92	0.92	26	9	..

STATIONS.	July, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Ins.	Amount.	Date.		Ins.
NORTH-EASTERN DIVISION, contd.					
Iter Boreale	1.68	0.60	20	5	..
Enfield	1.50	0.70	27	3	..
Agualta Vale	1.54	0.86	20	7	3.15
Castleton Gardens	7.71	2.50	23	11	5.86
Water Valley	0.99	0.65	20	4	3.13
Albany	1.48	0.93	20	2	3.63
Lawrence Tavern	3.52	0.82	21	12	5.09
Richmond, St. Mary	1.35	0.61	20	3	3.26
Quebec, St. Mary	1.49	0.60	6	5	3.42
Above Rocks	5.36	1.30	20	14	..
Glengoffe	2.73	0.98	19	5	..
Carew Castle	8.69	1.85	25	9	6.24
Hampstead, St. Mary	1.74	1.30	20	5	2.87
Windsor Castle do.	0.81	0.75	20	2	..
Troja	4.86	1.95	28	9	..
Pear Tree Grove	3.44	1.42	20	5	..
Guy's Hill	2.40	1.20	20	4	3.83
Lucky Hill	0.90	0.61	20	5	2.85
Rio Hee	5.22	1.50	25	7	4.09
Unity Valley	4.52	1.22	20	8	5.49
Moneague	6.12	2.00	23	10	4.51
Claremont	5.60	2.93	23	3	3.23
Averham Park	2.40	1.86	23	6	2.91
Albion	5.02	1.75	23	10	3.98
NORTHERN DIVISION (N).					
Port Maria	0.90	0.45	24	3	3.84
Wentworth	1.04	0.28	4	7	..
Eden Park	0.92	0.50	6	3	..
Oracabessa	1.48	0.60	4	4	..
Huddersfield	1.40	0.60	16	4	..
Ocho Rios	1.51	0.78	23	8	2.16
Bogue, Ocho Rios	2.29	1.75	23	3	2.62
Drax Hall	1.13	0.45	25	4	2.86
Rockfield	1.20	0.56	28	7	2.91
Liberty Hill	1.35	0.90	27	3	2.08
St. Ann's Bay	1.29	0.43	28	7	2.83
Seville	..	..	..	..	2.46
Richmond Estate	0.55	0.30	20	4	2.20
Llandoverly	0.25	0.15	28	2	1.96
Runaway Bay	0.43	0.43	20	1	1.06
Knapdale	2.75	0.95	28	7	..
Alexandria	1.65	0.65	23	4	2.86
Bel-Air	0.95	0.50	20	3	..
Brown's Town	2.00	0.47	1	10	2.39
Watt Town, St. Ann	3.34	1.08	22	7	3.00
Home Castle	6.50	0.25	25	3	2.18
Richmond Pen	3.10	1.00	16	6	2.95
Bryan Castle	2.05	..	..	2	1.76
Braco	..	..	..	..	1.54
Arcadia	2.94	1.11	23	9	2.16
Vale Royal	2.14	1.00	22	8	2.64
Harmony Hall	1.72	0.90	23	4	1.45
Colchis Pen	..	..	..	..	3.03
Duncans	1.35	0.86	20	2	..
Clark's Town	2.61	0.76	25	5	..
Falmouth	1.32	0.65	11	4	1.46
Canaan	7.44	1.18	25	16	4.36

STATIONS.	July, 1932.					STATIONS.	July, 1932				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	In.	In.			In.	WEST-CENTRAL <i>DIVISION, contd.</i>	In.	In.			In.
Grange	1.40	0.40	16	5	..	Marshall's Pen	4.45	1.40	31	7	4.82
Adelphi	3.99	1.18	11	8	..	Greenvale	3.02	0.45	17	12	..
Success	1.12	0.42	20	5	1.30	Albert Town	4.68	1.13	16	13	4.92
Rose Hall	1.59	0.70	20	5	1.13	Craig Head	1.10	0.74	23	2	..
Cinnamon Hill	1.64	0.60	20	5	1.18	Warsop	2.90	1.52	16	7	..
Tryall	1.80	0.50	20	5	3.54	Troy	3.95	1.10	24	10	6.94
Running Gut	1.45	0.55	20	5	1.24	Wallingford	2.26	1.08	24	8	5.18
Spring Estates	1.65	0.60	20	5	1.44	Balaclava	1.89	0.95	3	3	4.69
Friendship	4.58	1.40	18	13	2.83	Wakefield	4.80	1.15	28	10	..
Retirement	6.51	2.60	21	12	4.01	Maggotty	6.74	1.00	30	12	8.35
Montego Bay	1.69	0.39	15	9	3.21	Lacovia	2.64	1.34	24	5	..
Anchovy	5.74	1.05	20	16	4.49	Ipswich	10.66	2.21	7	17	..
Bamboo-Hanover	6.47	1.77	21	14	..	Kempshot	4.89	1.36	8	17	5.68
Blue Hole	5.31	2.36	28	10	5.85	Garlands	15.95	3.08	1	22	..
Kew	6.85	1.25	9	14	5.08	Mochó, St. James	16.92	1.60	9	22	..
Lucea	5.36	0.77	25	13	4.63	Bandon Pen	12.12	1.39	9	16	..
Houghton Court	3.80	0.90	25	11	4.63	Catadupa	14.82	2.30	13	25	9.36
Cousins Cove	8.37	1.49	15	14	..	Cambridge, St. Jas.	12.93	2.18	25	26	9.59
Green Island	8.68	1.26	21	19	8.59	New Market	7.82	2.57	27	12	8.36
Houghton Hall	8.14	1.47	21	25	..	Kew Park	11.73	2.24	17	10	9.85
CENTRAL SUB-DIVISION.						Montpelier	12.25	1.95	15	16	6.12
Knollis	9.83	4.17	7	16	..	The Bog	6.76	1.15	27	17	9.11
Highgate	7.15	1.64	29	17	..	Bethel Town Dist.	12.72	1.95	17	24	14.74
Rio Magno	6.19	1.39	28	13	..	Burnt Ground	14.48	2.50	25	22	8.81
Riversdale	6.96	2.27	7	15	..	Houghton Grove	11.49	2.59	25	18	8.47
Headworks, R.C.C.	4.70	1.47	22	6	2.99	Darliston	19.78	2.40	17	22	11.42
Bog Walk	9.43	1.80	21	13	..	Bluesfields	7.22	1.40	31	21	9.32
Linstead	7.68	1.15	8	17	5.88	Whithorn	6.08	2.60	7	26	10.12
Ewarton	6.15	1.50	7	11	..	Water Works Pen	14.80	3.00	7	25	9.40
Cave Valley	4.47	2.80	22	3	4.54	Askenish	6.00	2.00	21	11	10.38
Guanaboa Vale	3.23	0.86	24	8	..	Grange Hill	14.62	3.55	31	25	11.11
Point Hill	11.06	2.63	20	21	6.17	King's Vale	11.84	2.78	21	18	9.82
Brown's Hall	5.96	1.50	31	11	5.20	SOUTHERN DIVISION (S.)					
Bellas Gate	3.28	1.15	20	9	1.30	Morant Point L.H.	1.72	0.42	21	14	3.17
Rack River	4.01	1.18	20	8	..	Golden Grove	2.16	0.49	21	9	..
Crofts Hill	6.36	2.65	25	13	2.68	Pleasant Hill	2.78	0.54	17	16	3.19
Far Enough	5.37	1.20	22	16	..	Bowden	..	..	..	..	..
Suttons	4.08	1.12	20	12	..	East Prospect	0.73	0.28	28	8	4.30
Colonel's Ridge	6.35	1.42	20	10	..	Morant Bay	2.48	0.83	20	9	4.95
Chapelton	5.06	1.40	20	11	3.12	Aeolus Valley	1.77	0.55	8	9	..
Crooked River	7.64	1.50	20	13	..	Yallahs	1.56	0.50	9	5	..
James Hill	9.57	1.83	21	18	..	Easington	1.08	0.44	8	4	4.87
Frankfield	7.89	2.45	20	17	4.50	Mavis Bank	0.14	0.14	26	1	..
WEST-CENTRAL DIVISION (W.C.)						Bull Bay	0.10	0.10	20	1	1.68
Mochó, Clarendon	2.08	1.20	20	4	3.46	Dallas Castle	0.66	0.66	22	1	..
Clarendon Park	2.29	1.10	20	7	..	Gordon Town	2.46	1.67	22	6	2.33
Borebridge	5.60	1.50	20	8	..	Irish Town	2.51	1.30	22	7	1.73
Spaldings	3.48	0.85	20	12	3.79	Hope Gardens	2.77	1.48	22	7	2.50
Williamsfield	5.57	1.31	31	15	..	Waireka	0.40	0.25	17	2	..
Brokenhurst	1.93	0.82	20	4	4.73	Ivor	..	..	..	..	..
Shooters Hill	6.03	1.99	31	11	4.88	Barbican	1.66	0.77	22	6	..
Lowe River	2.67	1.21	17	5	4.17	Plumb Point L.H.	0.22	0.22	24	1	1.75
Christiana	3.71	0.68	22	16	4.09	King's House Gar.	1.73	0.95	22	6	2.37
Clifton Hill	5.13	1.75	19	7	4.97	Upper Kingston	0.80	0.72	24	2	1.58
Kendal, Manchester	6.33	2.00	31	12	5.13	Kingston P.W.O.	0.86	0.82	24	2	1.53
Mereworth	3.25	0.89	13	10	..	Halfway Tree	3.27	1.52	22	6	1.53
Mandeville	2.84	0.92	20	7	5.32	Clifton Pen	0.91	0.45	24	3	1.33
Ulster Spring	4.31	0.85	15	14	5.35	Red Hills	3.72	1.40	22	6	..

STATIONS.	July, 1932.					STATIONS.	July, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Quarantine Station	0.00	..	..	0	0.92	Great Valley, Man.	0.39	0.20	28	2	2.86
Hematine	0.76	0.76	22	1	1.14	Alligator Pond	0.00	..	..	0	2.01
Spanish Town	0.54	0.54	22	1	1.90	Fairfield	1.33	0.37	31	11	2.69
The Stewartry	0.58	0.46	22	3	..	Lititz	0.20	0.20	20	1	1.44
Hog Hole, St. Cath.	0.68	0.39	22	3	2.19	Myersville	0.90	0.70	26	3	..
Hartlands	..	..	..	..	0.91	Gilnock	1.59	0.80	16	4	..
Old Harbour	0.61	0.50	20	2	1.99	Southfield, St. Eliz.	0.85	0.72	31	3	1.88
May Pen	2.55	1.47	24	3	2.76	Windsor, St. Eliz.	4.59	0.90	29	9	..
Glen Muir	2.10	1.40	17	2	..	Torrington	1.38	0.37	26	6	2.29
Cottage	0.08	0.08	20	1	..	Unity	5.62	2.20	25	7	..
Belle Plain	2.15	1.58	20	5	..	Santa Cruz	5.35	2.92	24	7	5.25
Milk River	0.40	0.40	20	1	1.62	Pedro Plains	0.00	..	..	0	1.52
Retrieve	0.68	0.68	20	1	1.53	Mountainside	0.94	0.36	24	3	2.81
Hog Hole, S. Man.	0.89	0.72	20	2	2.84	Fort Charles	0.00	..	..	0	..
Stone's Hope	0.91	0.43	20	3	3.50	Black River	2.51	1.03	24	10	4.52
Newport, Man.	0.58	0.45	20	4	3.28	Font Hill	6.70	1.35	24	12	5.45
						Mount Edgecombe	8.77	2.76	31	18	6.82
						Sweet River	11.85	2.00	31	22	7.46
						Sav.-la-Mar	8.95	1.80	27	17	6.10
						Little London	9.85	4.22	31	12	6.20
						Retreat	7.37	2.40	30	13	7.43
						Negril Point L.H.	5.51	1.50	30	17	5.83

NOTES.

SHOCKS OF EARTHQUAKE IN JULY, 1932.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

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

DIVISIONAL AND ISLAND RAINFALL.	July.			
	Rainfall.		Rainy Days.	
	1932	Ave.	1932	Ave.
	Ins.	Ins.		
North-Eastern	4.42	5.25	10	10
Northern	3.41	3.19	9	7
West-Central	7.76	7.56	14	13
Southern	2.44	3.03	6	7
The Island means	4.51	4.76	10	9

N.B. IT IS PARTICULARLY REQUESTED TO SEND ALL RAINFALL POSTCARDS IN NOT LATER THAN THE 6TH OF EACH MONTH.

THE ISLAND—JULY.

The mean rainfall for the Island was slightly under the average. The North-Eastern and Southern Divisions shewed a deficiency, but the average was exceeded in the Northern and West-Central Divisions.

The heaviest precipitation appears to have occurred during the latter half of the month and particularly on the 20th. The rainfall was, however, well distributed as the mean number of rainy days was 10, or one more than the average. The greatest number of rainy days was 26 at Cambridge and Whithorn in the West-Central Division.

The greatest total fall for the month was 19.78 inches at Darliston in the West-Central Division, and the heaviest fall in 24 hours was 4.17 inches at Knollis in the Central Sub-Division.

No rain fell at the Quarantine Station, Alligator Pond and Pedro Plains, all in the Southern Division.

Thunderstorms occurred in several parts of the Island during the month and there was a hailstorm at Water Works, Westmoreland, on the 7th.

At Petersfield, Westmoreland, at about 2 p.m. on the 19th, there was a thunderstorm accompanied by high wind, rain and hail lasting fully 2 hours. The district did not suffer much, but hail broke glass panes of windows of the school.

The mean rainfall in each parish is shewn below:—

		Inches.			Inches.
Kingston	.. ..	0.63	St. James	.. ..	6.52
St. Andrew	.. ..	2.73	Hanover	.. ..	7.05
St. Thomas	.. ..	2.48	Westmoreland	.. ..	11.19
Portland	.. ..	6.04	St. Elizabeth	.. ..	3.30
St. Mary	.. ..	1.68	Manchester	.. ..	2.77
St. Ann	.. ..	2.51	Clarendon	.. ..	4.11
Trelawny	.. ..	2.88	St. Catherine	.. ..	4.65

CITY OF KINGSTON.

The total rainfall for July was 0.86 inch; the normal being 1.54 inch. Greatest fall in 24 hours 0.82 inch on 24th, with two rainy days. The upper boundary of Kingston gauged 0.80 inch with two rainy days. Distant rain to northward on 5 days, to NE on 5 days and to NW on 3 days.

The mean of the daily miles of wind registered was 204, as against the 20-year normal of 227, shewing about 10% deficiency. The maximum number of miles of wind in one day was 286 on 3rd and the minimum 141 on 26th. South-easterly wind continued until after 7 p.m. on 15 occasions—from 1st to 9th, on 11th, 15th, 18th and from 29th to 31st. South-east squalls on 17th and 20th.

Mean barometric pressure 29.928 ins., the 33-year normal being 29.960 ins., or 0.032 inch below. The highest barometer reading was 29.990 ins. on 5th at 3 p.m., and lowest 29.872 ins. on 28th at 7 a.m. (correc. for diur. var.).

Mean daily temperature 81.7°, the 33-year normal being 81.4°. The maximum temperature was 90° or above on 10 occasions. Minimum temperature above 70 throughout. Highest max. temperature 92.3° on 19th, and lowest minimum 71.1° on 3rd. Lowest maximum 88.0° on 2nd, and highest minimum 75.3° on 18th. The greatest range of temperature was 20.3° on 3rd and the least range 13.3° on 27th.

The mean relative humidity was 74%, and the 33-year normal 76%, the deficiency owing to rainfall being about one-half the average. The mean 7 a.m. 76%, and 3 p.m. 64%. Lowest 7 a.m. 68% on 20th, and lowest 3 p.m. 42% on 11th.

Dense haze continued from the end of June throughout to the 3rd July.

Distant lightning to northward on 27th, to NE on 8th, 10th, 13th, 20th and 21st, to SE on 8th, to south on 20th and to NW on 20th. Distant thunderstorm to north 17th and from 20th to 26th, to NE on 4th, 8th (very sharp) and 22nd, to NW on 9th, 10th, 14th and 27th. Local thunderstorm on 22nd and 24th.

The sky was overcast in the forenoon on 17 occasions and in the afternoon on 20 occasions.

Total evaporation for the month of July was 7.85 ins.: the 9-year normal being 7.88 ins.

A lunar halo was seen on 22nd at about 4 a.m.

Mean daily number of sunshine hours 8.9.

WEATHER DISTURBANCES.

During the month of July there were no weather disturbances reported within barometric range of Jamaica.

CAYMAN ISLANDS.

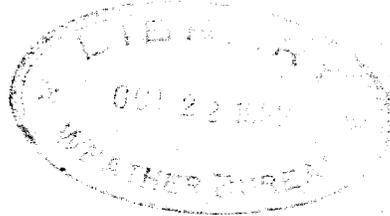
Government House, Georgetown, Grand Cayman.

	Total Rainfall Ins.	Greatest fall in 24 hours Ins.	Date.	No. of Rainy days.
June	4.85	2.13	23rd.	11
July	10.18	4.12	7th.	13

J. F. BRENNAN,
Government Meteorologist

Kingston,
August 19th, 1932.

No. 668.



JAMAICA
WEATHER REPORT.
 FOR THE MONTH OF
 AUGUST, 1932.

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

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

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

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

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

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.		Temperature.				Extreme Temperature					
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
Morant Point Light House	8	29.926	29.901	82.5	85.3	87.4	77.7	9.7	89.6	28	72.1	26	17.5
Kingston	24	29.899	29.867	77.2	85.7	89.0	73.8	15.2	92.0	19	70.3	11	21.7
Negril Point Light House	33	29.914	29.885	77.4	85.1	89.2	73.5	15.7	91.2	23	69.7	19	21.5
Castleton Gardens	496	29.943	29.881	70.5	82.8	89.1	69.5	19.6	93.0	12	66.0	11	27.0
Hope Gardens†	668	29.889	29.869	68.8	81.5	85.4	66.2	19.2	89.0	12	62.5	11*	26.5
Boon Hall	970	29.889	29.869	68.8	81.5	85.4	66.2	19.2	89.0	12	62.5	11*	26.5
Hill Gardens	4,900	25.249	25.235	63.8	67.7	71.5	59.4	12.1	77.0	3*	57.0	20	20.0

STATIONS.	Elevation.	Dewpoint and Humidity.				Rainfall.	Wind per diem.	Wind direction from and miles per hour.				Amount of Cloud.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.		3 p.m.					
Morant Point Light House	8	76	81	77	76	5.19	214	ENE	9.5	ENE	9.0	0.9	3.0	1.8	0.9	2.4	2.2
Kingston	24	71	81	75	70	2.94	164	NNE	4.2	SE	13.8	1.0	0.8	2.2	4.6	1.6	1.9
Negril Point Light House	33	73	86	75	72	7.04	170	NE	7.0	Var.	8.8	0.6	0.8	6.1	3.1	4.3	1.7
Castleton Gardens	496	69	95	78	85	9.44	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	68	81	71	69	7.92	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	66	94	72	75	6.59	..	NE	1.3	Var.	6.3	..	..	..	..	..	..
Hill Gardens	4,900	60	87	63	84	4.73	..	..	..	..	..	..	..	..	..	..	..

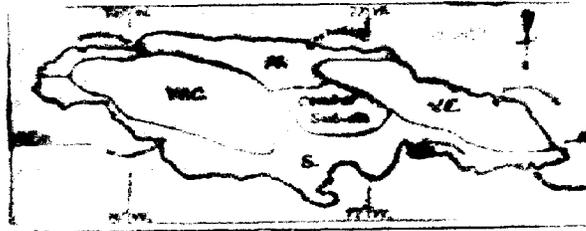
*And on other days. †Hope Gardens Bar read at 9 a.m. and 3 p.m.

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-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negri; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

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



August, 1932.

STATIONS.	Total Fall.		Greatest fall in 24 hours.		Average.
	Ins.	Ins.	Amount.	Date.	
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	7.69	3.16	9	12	7.09
Priestman's River	8.51	2.60	9	14	8.00
Bath	7.60	2.00	9	21	9.98
Barrett's Gap	7.57	1.70	9	21	...
Millbank	13.30	3.14	9	21	...
Moore Town	17.26	4.00	20	19	15.77
Port Antonio	10.96	2.02	7	16	11.62
Passley Garden	8.64	1.66	7	9	...
Fellowship	14.90	4.50	9	10	14.25
Johanson River Br.	6.84	2.51	10	12	10.01
Trinity Ville	5.73	2.33	9	8	...
Shrewsbury	12.52	4.87	7	12	9.08
Hope Bay	8.20	2.29	7	19	...
Cedar Valley	6.72	2.20	28	11	9.23
Moy Hall	5.75	1.20	9	13	10.44
Paradise	9.80	4.03	7	10	...
Lennox	6.21	2.28	7	12	...
Greenvale	9.28	2.58	16	8	5.80
Spring Garden	6.42	2.00	7	10	6.52
Hill Gardens	4.73	2.67	16	11	7.80
Buff Bay	7.15	2.05	7	9	5.87
Orange Vale	7.27	2.30	7	11	...
Belvedere, Portland	6.42	2.03	7	9	5.35
Windsor Castle, do.	4.90	1.40	7	10	5.49
Balcarres	5.44	2.00	2	5	...
Mt. Holstein	4.54	0.73	16	14	7.02
Cedar Hurst	3.79	0.98	16	11	...
Hardware Gap	10.75	2.20	16	14	7.22
Rose Hill	12.07	2.28	31	14	9.92
Hermitage	6.97	1.77	24	13	...
Mount James	9.27	2.10	16	13	...
Stony Hill Ind. Sch.	7.08	2.35	31	13	8.86
Boon Hall	6.59	1.99	31	17	...
Brandon Hill	7.54	1.65	17	14	...

STATIONS.	August, 1932.				
	Total Fall.	Greatest fall in 24 hours.	Days on which 0.01 or more fell.		Average.
	Ins.	Ins.	Date.		Ins.
NORTH-EASTERN DIVISION, contd.					
Iter Boreale	3.93	1.30	7	12	...
Enfield	10.16	3.50	5	9	...
Aguila Vale	4.35	1.44	7	15	4.28
Castleton Gardens	9.44	4.75	6	12	9.83
Water Valley	3.54	0.90	7	7	4.31
Albany	...	...	...	...	4.01
Lawrence Tavern	4.56	0.82	17	11	8.23
Richmond, St. Mary	5.04	2.38	5	6	5.05
Quebec, St. Mary	5.15	2.03	21	11	4.50
Above Rocks	8.76	1.90	9	13	...
Glengoffe	4.80	1.36	15	6	...
Carew Castle	6.86	1.05	15	10	10.06
Hampstead, St. Mary	2.76	1.00	7	9	4.39
Windsor Castle do.	4.97	2.72	5	10	...
Troja	3.44	0.75	5	11	...
Pear Tree Grove	3.27	1.38	5	4	...
Guy's Hill	4.67	1.42	5	10	4.13
Lucky Hill	4.53	1.64	5	14	4.66
Rio Hoe	5.15	2.50	28	8	5.86
Unity Valley	6.23	1.46	27	16	6.60
Meneguc	3.80	0.92	28	14	6.69
Claremont	4.91	1.41	20	6	5.08
Averham Park	7.75	2.10	16	9	4.59
Albion	5.15	1.96	17	7	6.01
NORTHERN DIVISION (N).					
Port Maria	2.75	1.25	20	8	4.94
Wentworth	2.95	1.45	21	8	...
Eden Park	3.65	1.70	27	6	...
Oracabessa	3.82	2.35	21	3	...
Huddersfield	6.20	3.33	21	4	...
Ocho Rios	3.03	0.54	5	15	2.99
Bague, Ocho Rios	2.89	1.20	5	7	4.13
Drax Hall	2.78	1.50	24	8	3.54
Rackfield	4.69	1.20	16	13	4.30
Liberty Hill	1.48	0.50	16	6	3.19
St. Ann's Bay	1.93	0.62	5	8	3.07
Seville	0.70	0.28	26	3	3.48
Richmond Estate	0.41	0.26	19	3	3.04
Handover	2.12	0.65	29	7	2.90
Runaway Bay	1.54	0.40	20	6	1.88
Knapdale	6.17	3.23	16	13	...
Alexandria	7.53	2.48	27	7	3.86
Bel-Air	1.70	0.60	16	6	...
Brown's Town	4.44	1.39	28	4	3.96
Watt Town, St. Ann	9.75	1.70	27	9	4.58
Home Castle	5.40	2.60	24	5	3.43
Richmond Pen	3.10	1.20	27	7	5.03
Bryan Castle	2.90	...	...	3	2.73
Brace	...	...	...	...	2.48
Arcadia	4.08	0.90	17	14	3.27
Vale Royal	5.09	1.38	28	12	4.58
Harmony Hall	4.24	1.35	27	11	2.35
Duncans	...	...	...	...	...
Clark's Town	3.40	0.87	24	9	...
Falmouth	2.47	0.72	29	5	2.45
Canaan	8.58	2.13	5	16	5.50

STATIONS.	August, 1932.					STATIONS.	August, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Ins.	Ins.					Date.	Ins.			Ins.	Date.
NORTHERN DIVISION, contd.	Ins.	Ins.			Ins.	WEST-CENTRAL DIVISION, contd.	Ins.	Ins.			Ins.
Grange	9.65	6.05	25	7	..	Marshall's Pen	10.37	2.02	13	11	8.10
Adelphi	6.61	1.60	16	12	..	Greenvale	7.26	2.07	28	13	..
Success	7.99	3.70	25	12	2.11	Albert Town	7.68	1.62	31	11	9.25
Rose Hall	9.09	3.82	25	12	2.06	Craig Head	7.52	2.94	16	7	..
Cinnamon Hill	8.44	4.10	25	12	2.19	Warsop	9.00	3.25	16	11	..
Tryall	7.60	4.00	25	10	5.04	Troy	4.73	1.30	28	8	10.09
Running Gut	8.68	4.00	25	12	2.43	Wallingford	4.57	1.50	16	11	10.33
Spring Estate	7.75	4.00	25	9	2.44	Balaclava	4.17	1.20	16	5	7.97
Friendship	14.93	3.75	28	18	5.63	Wakefield	6.86	1.25	24	11	..
Retirement	15.79	3.46	28	17	6.11	Maggotty	5.92	1.08	22	13	11.21
Montego Bay	10.75	3.20	24	14	5.12	Lacovia	4.14	1.62	16	7	..
Anchovy	8.75	1.47	25	16	6.55	Ipswich	11.10	2.26	15	19	..
Bamboo-Hanover	9.76	2.28	29	13	..	Kempshot	10.50	1.80	28	17	7.87
Blue Hole	11.21	3.68	5	15	7.20	Garlands	17.16	3.19	28	16	..
Kew	12.50	3.05	10	14	7.82	Mocho, St. James	15.13	2.35	28	16	..
Lucea	9.97	2.56	10	14	6.29	Bandon Pen	9.03	3.82	28	12	..
Haughton Court	8.70	2.25	5	9	6.65	Catadupa	14.07	2.66	16	19	13.41
Cousins Cove	7.56	1.61	10	13	..	Cambridge, St. Jas.	12.49	1.95	28	19	11.05
Green Island	10.91	1.62	10	18	9.48	New Market	11.06	1.63	15	18	13.12
Haughton Hall	9.28	1.39	27	20	..	Kew Park	..	..	..	..	12.12
CENTRAL SUB-DIVISION.						Montpelier	9.43	2.85	28	11	6.80
Knollis	8.71	1.70	15	13	..	The Bog	8.93	1.58	13	22	13.91
Highgate	6.59	2.16	16	9	..	Bethel Town Dist.	12.09	1.74	27	24	14.10
Rio Magno	5.14	1.85	3	10	..	Burnt Ground	8.72	1.21	31	17	11.09
Riversdale	9.30	2.05	3	17	..	Haughton Grove	9.35	1.30	31	14	11.30
Headworks, R.C.C.	3.47	1.32	8	7	5.55	Darliston	14.65	2.06	9	22	15.00
Bog Walk	8.55	2.00	29	13	..	Bluefields	10.13	2.40	13	23	11.75
Linstead	7.17	1.46	29	18	8.62	Whithorn	10.92	1.64	19	16	11.74
Ewarton	4.07	0.92	3	14	..	Water Works Pen	8.30	1.08	8	16	12.72
Cave Valley	6.22	1.80	29	6	7.42	Askenish	8.97	1.35	17	14	12.78
Guanaboa Vale	3.25	1.10	8	10	..	Grange Hill	9.50	1.30	9	19	13.06
Point Hill	7.11	1.65	7	18	10.25	King's Vale	6.42	0.86	24	16	10.61
Brown's Hall	5.70	3.60	13	8	7.88	SOUTHERN DIVISION (S.)					
Bellas Gate	5.44	1.75	13	10	5.95	Morant Point L.H.	5.19	1.10	10	16	5.05
Rock River	3.80	0.85	8	8	..	Golden Grove	5.09	1.05	9	12	..
Crofts Hill	5.46	2.25	27	11	7.71	Pleasant Hill	6.13	1.25	9	12	6.87
Far Enough	7.89	2.82	31	18	..	Bowden	..	..	..	..	..
Suttons	4.73	1.23	5	10	..	East Prospect	6.54	1.30	9	15	6.69
Colonel's Ridge	7.27	1.83	15	9	..	Morant Bay	4.92	0.96	24	14	6.43
Chapelton	2.61	1.12	8	8	6.31	Aeolus Valley	4.48	1.30	9	14	..
Crooked River	3.71	0.53	8	13	..	Yallahs	2.96	0.93	9	9	..
James Hill	4.19	0.68	5	13	..	Easington	1.68	1.25	9	7	6.67
Frankfield	7.09	1.15	8	18	7.82	Mavis Bank	2.60	0.50	10	7	..
WEST-CENTRAL DIVISION (W.C.)						Bull Bay	0.24	0.24	10	1	2.54
Mocho, Clarendon	6.73	2.00	8	9	6.79	Dallas Castle	3.12	0.87	16	14	..
Clarendon Park	4.54	1.05	29	12	..	Gordon Town	10.02	3.17	31	11	5.69
Borobridge	7.27	2.70	27	11	..	Irish Town	7.14	1.66	31	11	5.95
Spaldings	9.41	4.68	28	13	7.26	Hope Gardens	7.92	2.94	31	16	5.81
Williamsfield	7.07	1.78	15	20	..	Waireka	6.75	1.60	7	11	..
Brokenhurst	6.32	1.32	6	11	8.16	Ivor	..	..	..	..	..
Shooters Hill	4.21	1.07	15	16	7.38	Barbican	5.69	1.54	31	12	..
Low River	5.46	1.56	16	14	8.03	Plumb Point L.H.	1.50	0.50	22	9	3.47
Christiana	6.41	2.51	27	15	7.03	King's House Gar.	4.87	1.45	31	10	4.90
Clifton Hill	7.50	2.50	16	9	8.46	Upper Kingston	5.13	2.35	8	16	4.83
Kendal, Manchester	5.75	1.15	13	15	8.13	Kingston P.W.O.	2.94	1.18	22	11	3.60
Mereworth	5.89	1.77	9	17	..	Halfway Tree	4.11	1.32	8	14	3.84
Mandeville	7.34	1.60	16	19	8.53	Clifton Pen	5.20	3.68	8	10	3.91
Ulster Spring	6.04	1.50	11	14	8.54	Red Hills	7.42	3.72	23	5	..

STATIONS.	August, 1932.					STATIONS.	August, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Quarantine Station	0.94	0.48	10	7	2.56	Great Valley, Man.	3.77	1.19	9	9	5.54
Hematine	2.84	0.98	8	9	3.66	Alligator Pond	1.30	0.60	9	3	4.13
Spanish Town	2.16	0.81	8	6	3.87	Fairfield	6.04	2.60	27	16	6.16
The Stewartry	4.41	2.10	8	6	..	Lititz	2.24	0.60	8	6	5.32
Hog Hole, St. Cath.	4.91	2.03	8	8	4.25	Myersville	5.86	2.10	15	10	..
Hartlands	1.57	1.52	8	2	3.29	Gilnock	4.33	1.85	27	6	..
Old Harbour	1.92	0.62	15	5	4.71	Southfield, St. Eliz.	3.69	1.43	22	10	6.29
May Pen	3.09	0.69	13	11	5.26	Windsor, St. Eliz.	6.45	1.83	2	9	..
Glen Muir	6.50	2.00	28	5	..	Torrington	4.43	2.25	13	10	5.54
Cottage	1.77	1.00	9	8	..	Unity	4.75	1.28	22	8	..
Belle Plain	4.29	1.82	6	7	..	Santa Cruz	6.36	2.20	27	11	9.25
Milk River	3.11	0.88	9	7	4.26	Pedro Plains	2.44	1.38	13	5	2.92
Retrieve	2.71	1.00	9	5	4.06	Mountainside	4.00	1.20	13	10	5.38
Hog Hole, S. Man.	5.25	1.15	10	9	7.17	Fort Charles	0.71	0.50	13	2	..
Stone's Hope	5.26	1.03	15	11	6.48	Black River	1.38	0.40	16	9	6.31
Newport, Man.	5.51	1.54	8	14	7.35	Font Hill	3.35	0.60	29	12	6.27
						Mount Edgecombe	5.49	1.65	14	16	8.46
						Sweet River	9.02	2.00	5	18	9.16
						Sav.-la-Mar	8.14	3.43	24	17	7.86
						Little London	6.10	1.15	31	15	6.66
						Retreat	5.83	1.10	19	13	8.42
						Negril Point L.H.	7.04	1.97	29	17	6.50

NOTES.

SHOCKS OF EARTHQUAKE IN AUGUST, 1932.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

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

DIVISIONAL AND ISLAND RAINFALL.	August.				None Reported.
	Rainfall.		Rainy Days.		
	1932.	Ave.	1932.	Ave.	
	Ins.	Ins.			
North-Eastern	7.11	7.41	12	11	
Northern	6.32	4.89	11	9	
West-Central	8.35	10.17	14	15	
Southern	4.46	5.26	10	10	
The Island means	6.56	6.93	12	11	

N.B. IT IS PARTICULARLY REQUESTED TO SEND ALL RAINFALL POSTCARDS IN NOT LATER THAN THE 6TH OF EACH MONTH.

THE ISLAND—August.

The mean rainfall for the Island was below the average. The average was exceeded in the Northern Division, but there was a deficiency in all the other Divisions.

The rainfall was well distributed, the mean number of rainy days being 12 or one more than the average. The greatest number was 24 at Bethel Town District in the West-Central Division.

The greatest total fall for the month was 17.26 inches at Moore Town in the North-Eastern Division, and the heaviest fall in 24 hours was 6.05 inches at Grange in the Northern Division on the 25th.

The mean rainfall in each parish is shewn below:—

	Inches.		Inches.
Kingston	3.19	St. James	10.62
St. Andrew	6.51	Hanover	9.94
St. Thomas	5.51	Westmoreland	8.75
Portland	8.66	St. Elizabeth	4.41
St. Mary	4.97	Manchester	5.76
St. Ann	4.17	Clarendon	5.31
Trelawny	5.16	St. Catherine	4.99

CITY OF KINGSTON.

The total rainfall for August was 2.94 ins., as against the 59-year normal of 3.60 ins. There were eleven rainy days, as compared with the 49-year average of 8.8. The greatest fall in 24 hours occurred on 22nd with 1.18 inch. The upper boundary of Kingston gauged 5.13 ins. with 16 rainy days. Distant rain was observed to northward on 8 days, to ENE, east and to seaward, one day.

Mean barometric pressure 29.895 ins., as compared with the 33-year normal of 29.929 ins., or 0.034 inch below normal. Highest barometer reading 29.953 ins. on 27th at 3 p.m. and the lowest 29.850 ins. on 30th at 7 a.m. (correc. for diur. var.).

The mean daily miles of wind, based upon four observations per day, was 80.9 degs. and the 33-year normal shews 81.0 degs. The maximum temperature was 90 degs. and above on 11 days. The minimum temp. was above 70 degs. throughout. Highest maximum temp. 92.0 degs. on 19th, and lowest minimum 70.3 degs. on 11th. Then, the lowest maximum temp. was 83.1 degs. on 24th, and the highest minimum 76.8 degs. on 30th. The greatest range of temp. was 21.1 degs. on 11th, and the least range 9.8 degs. on 24th.

The mean daily miles of wind registered was 164, as against the 20-year normal of 196, shewing a deficiency of about 16%. The maximum number of miles of wind in one day was 283 on 6th, and the minimum 83 on 8th. South-east wind commenced early on 4th, and continued until after 7 p.m. on 15 occasions. South-easterly squalls on 18th, 22nd and 30th.

Distant lightning observed to NE and ESE on 5 evenings. Distant thunderstorm to north on 10 days, to NE on 2 days, to east on 2 days, ESE on 2 days, SE on one day, to seaward on 24th and to NW on one day. Moderate local thunderstorm on 15th.

Mean relative humidity 79%, which corresponds with the 33-year normal of 79. The mean 7 a.m. was 81%, and mean 3 p.m. 70%. Lowest 7 a.m. 71% on 1st and 22nd, and lowest 3 p.m. 47% on 11th.

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

The total evaporation for the month of August was 6.31 ins., and the 9-year normal shews 7.78 ins.

Partial solar halo on 6th at 11 a.m.

Mean daily number of sunshine hours, 8.3.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman. Total rainfall for August, 1932—3.24 ins. Greatest fall in 24 hours 1.13 ins. on 9th, with 11 rainy days.

WEATHER DISTURBANCES.

A weather disturbance of gale force was located by the United States Weather Bureau, on 27th August, to NW of Turks Island, and it moved to south of Miami, Florida on 30th, with gale force at 60 miles per hour, and continued into the Gulf of Mexico in the vicinity of Mobile.

There were no weather disturbances reported in the Caribbean during August.

CORRIGENDA.

Weather Report 665—Kingston Rainfall.

Page 6—The table should be headed as K. 1,

Page 7—Year 1888, February. Figure 2 for rainy days should be inserted.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
September 20th, 1932.



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
SEPTEMBER, 1932.

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.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.898	29.861	82.0	85.5	87.4	77.4	10.0	89.6	6	71.3	3	18.3
Kingston	24	29.874	29.828	77.6	87.6	90.2	75.3	14.9	93.8	17	72.4	26	21.4
Negril Point Light House	33	29.882	29.842	77.7	87.0	90.6	74.4	16.2	93.6	10	72.0	26	21.6
Castleton Gardens	496			71.1	83.3	87.6	70.1	17.5	94.0	14	67.0	15*	27.0
Hope Gardens†	668	29.915	29.846	74.1	85.8	89.5	71.6	17.9	95.0	15	68.0	26	27.0
Boon Hall	970	29.876	29.829	69.8	84.1	86.5	67.8	18.7	90.5	14*	64.5	14	26.0
Hill Gardens	4,900	25.248	25.232	63.8	68.3	71.5	59.2	12.3	75.0	14*	58.0	14*	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.	°	%	°	%	ins.	Mls.	m.	m.	L.	M.	U.	L.	M.	U.		
Morant Point Light House	8	76	81	76	75	6.14	199	ENE	10.0	NE	8.0	1.0	2.6	1.6	0.4	3.2	2.0
Kingston	24	71	81	74	65	1.01	164	NE	4.5	SE	12.5	0.9	0.5	1.5	2.2	2.2	1.8
Negril Point Light House	33	74	87	76	69	3.70	196	ENE	6.7	S	11.4	1.0	0.6	4.4	1.0	4.3	2.2
Castleton Gardens	496	69	95	75	77	8.96	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69	83	73	65	4.33	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	67	94	71	71	6.66	..	NE	1.2	Var.	7.1	..	..	..	..	..	..
Hill Gardens	4,900	61	89	63	86	6.66	..	..	..	..	..	..	..	..	..	..	..

*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-divisions; the Southern Division comprises the southern shores from Rolland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

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



September, 1932

STATIONS.	Total Fall.		Greatest fall in 24 hours.		Average.
	Ins.	Ins.	Amount.	Date.	
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	11.41	3.42	28	13	9.68
Priestman's River	7.23	1.30	22	10	19.33
Bath	5.15	1.87	28	16	12.17
Barrett's Gap	8.15	1.80	28	20	
Millbank	11.97	2.50	28	15	
Moore Town	11.01	2.00	28	16	14.81
Port Antonio	8.08	2.09	19	15	10.38
Passley Garden	5.17	1.14	13	13	
Fellowship	10.18	2.03	13	12	12.57
Johnson River Br.	4.12	1.54	28	6	10.94
Trinity Ville	4.01	2.52	28	5	
Shrewsbury	6.36	1.26	26	18	9.44
Hope Bay	6.55	1.63	26	20	
Cedar Valley	5.12	1.35	21	9	12.17
Moy Hall	8.42	2.82	28	15	11.42
Paradise	4.22	1.25	26	14	
Lennox	3.17	0.95	26	12	
Greenvale	8.64	3.40	24	11	8.51
Spring Garden	3.92	1.32	27	9	5.57
Hill Gardens	6.66	2.28	28	10	9.42
Buff Bay	3.44	1.60	26	6	5.07
Orange Vale	5.64	2.07	30	13	
Belvedere, Portland	4.27	1.30	26	7	1.19
Windsor Castle, do.	3.51	1.04	26	9	5.48
Balcarras	10.89	3.00	28	11	
Mt. Holstein	5.42	1.15	25	15	10.13
Cedar Hurst	5.72	1.21	23	19	
Hardware Gap	8.40	2.10	28	13	10.70
Rose Hill	4.11	1.11	15	7	13.48
Hermitage	7.33	2.05	1	14	
Mount James	8.46	3.00	22	13	
Stony Hill Ind. Sch.	5.45	1.30	21	16	10.05
Boon Hall	6.66	1.83	21	16	
Brandon Hill	7.03	2.70	27	11	

STATIONS.	September, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
Ins.	Amount.	Date.	Ins.			Ins.
NORTH-EASTERN DIVISION, contd.					
Iter Boreale	2.42	0.50	25	7	
Enfield	8.10	2.00	25	9	
Agualta Vale	3.28	0.67	3	12	4.94
Castleton Gardens	8.96	2.60	27	12	11.76
Water Valley	2.32	0.82	28	6	4.82
Albany	2.61			9	4.18
Lawrence Tavern	7.28	3.48	27	10	9.87
Richmond, St. Mary	4.82	0.96	24	11	6.11
Quebec, St. Mary	3.14	0.98	27	7	4.45
Above Rocks	5.45	1.30	21	16	
Glengoffe	9.00	2.50	27	9	
Carew Castle	7.03	2.35	27	9	11.19
Hampstead, St. Mary	3.01	0.98	20	11	6.24
Windsor Castle do.	2.32	0.78	14	7	
Troja	6.48	1.85	27	9	
Pear Tree Grove	4.35	1.70	22	6	
Guy's Hill	4.15	1.05	24	9	7.37
Lucky Hill	4.06	1.53	23	11	6.14
Rio Hce	6.82	1.35	24	12	6.36
Unity Valley	8.43	3.62	21	13	8.17
Moneague	6.60	2.16	21	9	7.55
Claremont	7.76	1.34	3	9	6.38
Averham Park	7.22	3.20	22	12	5.60
Albion	8.61	2.04	21	13	7.48
NORTHERN DIVISION (N).					
Port Maria	4.16	0.80	26	11	4.13
Wentworth	4.83	1.50	26	9	
Eden Park	3.07	0.90	26	9	
Oracabessa	3.83	1.66	26	8	
Huddersfield	2.32	1.04	26	3	
Ocho Rios	4.99	2.02	23	8	3.64
Bogue, Ocho Rios	5.13	1.65	29	5	4.51
Drax Hall	4.51	1.76	26	6	3.79
Rockfield	3.70	1.19	1	8	5.21
Liberty Hill	3.73	1.65	3	6	3.90
St. Ann's Bay	4.30	1.20	4	9	3.51
Seville	4.13	1.22	26	6	3.59
Richmond Estate	3.62	1.18	26	6	3.74
Llandoverly	6.35	2.50	20	5	3.69
Runaway Bay	2.18	0.60	26	8	2.61
Knappdale	6.06	1.54	4	12	
Alexandria	7.57	2.55	22	7	7.12
Bel-Air	3.90	0.90	22	8	
Brown's Town	3.22	0.85	28	13	5.71
Watt Town, St. Ann.	2.69	0.90	22	4	6.89
Home Castle	3.20	1.10	29	4	5.18
Richmond Pen	1.85	1.00	24	4	6.19
Bryan Castle	2.05			4	3.81
Braco					3.37
Arcadia	1.92	0.83	20	7	4.71
Vale Royal	3.83	1.68	21	6	4.72
Harmony Hall	2.78	1.66	20	6	3.65
Duncans	2.53	1.04	22	7	
Clark's Town	3.52	0.90	12	5	
Falmouth	1.66	0.68	4	4	3.41
Canaan	5.95	1.39	7	13	7.62

STATIONS.	September, 1932					STATIONS.	September, 1932				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	WEST-CENTRAL <i>DIVISION, contd.</i>	Ins.	Ins.			Ins.
Grange	1.00	0.60	20	2	..	Marshall's Pen	5.95	1.34	26	11	8.90
Adelphi	3.93	1.02	22	10	..	Greenvale	9.95	2.45	20	14	..
Success	1.37	0.65	21	4	3.55	Albert Town	10.21	3.22	21	10	10.87
Rose Hall	1.35	0.70	21	4	3.46	Craig Head	7.85	2.65	28	11	..
Cinnamon Hill	1.33	0.85	21	4	3.89	Warsop	8.45	2.46	21	12	..
Tryell	0.65	0.35	21	3	5.12	Troy	10.11	2.07	22	11	13.70
Running Gut	1.19	0.60	21	4	3.68	Wallingford	9.23	3.20	19	15	12.37
Spring Estate	0.56	0.20	21	3	3.58	Balacava	5.16	1.40	19	7	11.00
Friendship	3.95	1.30	24	11	8.34	Wakefield	4.76	1.12	22	6	..
Retirement	4.45	1.45	6	14	9.37	Maggotty	8.37	1.71	3	11	11.82
Montego Bay	0.78	0.28	23	3	6.58	Lacovia	5.50	1.50	26	10	..
Anchovy	2.02	0.59	21	10	6.98	Ipswich	10.06	2.31	24	16	..
Bamboo-Hanover	4.80	2.30	22	8	..	Kempshot	5.73	1.10	24	12	9.10
Blue Hole	6.20	1.67	13	4	10.09	Garlands	9.98	2.40	24	18	..
Kew	5.55	1.70	6	9	8.64	Moch, St. James	9.96	2.63	10	18	..
Lucea	6.58	1.22	13	12	8.16	Bandon Pen	10.94	3.27	7	10	..
Haughton Court	6.24	1.25	30	14	7.16	Catadupa	12.40	2.65	10	18	14.69
Cousins Cove	5.87	1.87	11	13	..	Cambridge, St. Jas.	5.58	1.20	19	18	12.29
Green Island	5.21	2.16	10	14	10.37	New Market	8.42	1.60	9	13	11.81
Haughton Hall	6.44	2.22	23	15	..	Kew Park	9.00	3.09	10	18	12.38
CENTRAL SUB-DIVISION.						Montpelier	6.85	2.12	7	9	7.21
Knollis	6.07	1.94	21	9	..	The Bog	8.26	0.97	9	21	12.72
Higgate	7.74	2.15	21	10	..	Bethel Town Dist.	11.75	5.20	10	21	15.76
Rio Magno	3.02	1.24	27	7	..	Burnt Ground	9.12	1.78	24	14	13.30
Riversdale	7.06	2.15	27	10	..	Haughton Grove	7.41	1.96	24	14	12.38
Headworks, R.C.C.	6.06	1.19	3	10	6.24	Darliston	11.89	2.89	10	17	14.56
Bog Walk	4.19	1.90	18	10	..	Bluefields	5.39	1.36	9	10	10.83
Linstead	4.70	1.10	21	11	7.48	Whithorn	7.75	1.55	10	9	11.20
Ewarton	3.05	0.70	13	10	..	Water Works Pen	7.21	1.60	27	12	11.01
Cave Valley	2.44	1.06	21	3	7.87	Askenish	6.52	2.25	9	14	12.07
Guanaboa Vale	5.03	1.54	4	11	..	Grange Hill	8.13	2.15	19	14	11.75
Point Hill	9.38	2.16	28	17	10.89	King's Vale	7.36	3.24	10	13	10.85
Brown's Hall	5.37	1.35	23	10	9.81	SOUTHERN DIVISION (S.)					
Bellas Gate	3.70	0.85	29	8	5.71	Morant Point L.H.	6.14	2.19	20	14	6.94
Rock River	1.87	0.70	19	5	..	Golden Grove	..	..	..	..	..
Crofts Hill	3.46	1.18	24	8	7.67	Pleasant Hill	5.65	2.27	23	5	8.44
Far Enough	4.62	1.98	22	13	..	Bowden	..	..	..	..	..
Suttons	2.81	0.92	29	9	..	East Prospect	1.72	1.01	28	11	8.37
Colonel's Ridge	1.97	0.86	10	5	..	Morant Bay	2.04	0.74	4	5	8.08
Chapelton	2.68	0.72	19	9	7.86	Aeolus Valley	4.00	2.75	28	7	..
Crooked River	4.47	0.75	26	12	..	Yallahs	1.18	1.08	29	2	..
James Hill	2.76	0.71	29	9	..	Easington	5.65	2.27	21	6	8.18
Frankfield	3.64	0.76	27	12	7.17	Mavis Bank	7.70	3.44	28	7	..
WEST-CENTRAL DIVISION (W.C.)						Bull Bay	1.35	0.97	28	3	4.10
Moch, Clarendon	7.04	1.15	10	17	9.10	Dallas Castle	8.36	2.40	28	9	..
Clarendon Park	3.15	0.91	16	14	..	Gordon Town	7.08	3.34	21	11	7.84
Borobridge	4.75	1.74	21	9	..	Irish Town	5.06	1.46	3	8	8.35
Spaldings	6.80	3.50	3	15	7.97	Hope Gardens	4.33	1.26	25	11	6.94
Williamsfield	5.39	0.97	16	20	..	Waireka	6.46	1.25	3	10	..
Brokenhurst	7.68	1.78	3	12	9.91	Ivor	..	..	..	..	..
Shooters Hill	4.51	0.79	2	10	9.14	Barbican	4.93	1.40	2	9	..
Lowe River	6.15	1.35	24	10	11.11	Plumb Point L.H.	4.86	2.03	20	6	4.80
Christiana	6.08	1.14	22	14	9.17	King's House Gar.	4.01	1.30	19	8	5.32
Clifton Hill	4.69	0.90	15	11	11.43	Upper Kingston	1.01	0.57	28	7	4.33
Kendal, Manchester	4.93	1.22	16	12	9.60	Kingston P.W.O.	1.01	0.42	28	8	3.87
Mereworth	7.69	1.82	29	17	..	Halfway Tree	2.20	0.60	19	8	4.72
Mandeville	6.20	1.49	3	15	10.05	Clifton Pen	1.14	0.61	28	5	4.24
Ulster Spring	8.09	1.90	22	9	10.17	Red Hills	4.24	0.85	20	8	..

STATIONS.	September, 1932.					STATIONS.	September, 1932.				
	Total Fall.	Greatest fall in 24 hours		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
Southern Division, contd.	Ins.	Ins.			Ins.	Southern Division, contd.	Ins.	Ins.			Ins.
Quarantine Station	1.59	0.36	21	7	2.98	Great Valley, Man.	5.84	2.70	26	7	6.60
Hematine	4.77	1.52	20	10	4.89	Alligator Pond	4.60	2.91	26	7	5.48
Spanish Town	4.74	2.02	20	9	4.94	Fairfield	7.85	1.49	4	17	7.94
The Stewartry	4.56	0.93	20	10	...	Lititz	3.72	1.00	25	10	5.58
Hog Hole, St. Cath.	6.71	2.09	20	11	5.69	Myersville	5.44	1.37	17	10	...
Hartlands	1.60	1.50	26	4	4.51	Gilnock	3.75	1.69	20	6	...
Old Harbour	5.37	1.30	16	9	6.01	Southfield, St. Eliz.	4.73	1.93	2	11	7.80
May Pen	8.15	3.02	21	11	7.04	Windsor, St. Eliz.	9.11	1.92	26	15	...
Glen Muir	2.50	1.00	16	3	...	Torrington	7.47	1.33	2	13	6.49
Cottage	2.78	0.21	21	9	...	Unity	7.08	1.25	26	8	...
Belle Plain	4.97	1.70	16	7	...	Santa Cruz	6.34	1.38	19	13	9.66
Milk River	3.51	1.00	20	7	7.27	Pedro Plains	2.57	0.62	28	9	4.07
Retrieve	5.55	1.81	22	8	7.42	Mountainside	3.52	0.86	27	9	4.66
Hog Hole, S. Man.	6.00	1.80	26	7	9.45	Fort Charles	3.04	0.86	17	6	...
Stone's Hope	7.24	1.46	29	13	8.67	Black River	2.04	0.61	11	7	5.43
Newport, Man.	0.95	1.55	26	16	8.20	Font Hill	3.50	1.20	27	9	6.66
						Mount Edgcombe	3.91	1.36	18	11	8.25
						Sweet River	6.56	1.10	21	12	8.11
						Sav.-la-Mar	5.86	1.60	10	12	7.08
						Little London	6.86	1.44	10	10	9.25
						Retreat	4.30	1.20	10	11	7.72
						Negril Point L.H.	3.70	1.34	23	10	6.71

NOTES.

SHOCKS OF EARTHQUAKE IN SEPTEMBER, 1932.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

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

DIVISIONAL AND ISLAND RAINFALL.	September.				None Reported.
	Rainfall.		Rainy Days.		
	1932.	Ave.	1932.	Ave.	
	Ins.	Ins.			
North-Eastern	6.13	8.48	11	13	
Northern	3.75	5.89	8	10	
West-Central	7.53	10.99	13	16	
Southern	4.59	6.42	9	11	
The Island means	5.50	7.94	10	13	

N.B. IT IS PARTICULARLY REQUESTED TO SEND ALL RAINFALL POSTCARDS IN NOT LATER THAN THE 6TH OF EACH MONTH.

THE ISLAND—SEPTEMBER.

The mean rainfall for the Island was much below the average in all Divisions.

The greatest precipitation appears to have taken place in the latter part of the month, particularly on the 21st, 26th, and 28th. The rainfall was, however, fairly well distributed, the mean number of rainy days being 10, compared with the average of 13. The Bog and Bethel Town District, both in the West-Central Division, had most rainy days—21 each.

The greatest total fall for the month was 12.40 inches at Catadupa in the West-Central Division, and the heaviest fall in 24 hours was 5.20 inches at Bethel Town District in the same Division on the 10th.

The mean rainfall in each parish is given below:—

	Inches.		Inches.
Kingston	2.29	St. James	4.50
St. Andrew	5.62	Hanover	6.08
St. Thomas	4.72	Westmoreland	7.20
Portland	6.84	St. Elizabeth	5.60
St. Mary	3.95	Manchester	6.30
St. Ann	4.97	Clarendon	4.20
Trelawny	5.08	St. Catherine	5.40

The mean rainfall for the Island for the nine months is 1.82 inch in excess of the 60 year average, as shown in the comparative table below:—

	1932	60-year Avge.
	Inches.	Inches.
January	2.62	4.00
February	0.82	3.13
March	1.73	3.35
April	12.05	4.77
May	9.95	8.52
June	8.08	6.60
July	4.51	4.76
August	6.56	6.93
September	5.50	7.94
Total	51.82	50.00

CITY OF KINGSTON.

The total rainfall for September was 1.01 inch, as against the 59-year normal of 3.87 ins. There were 8 rainy days, as compared with the 49-year average of 10. The greatest fall in 24 hours was 0.42 inch on 28th. The upper boundary of Kingston gauged 1.01 inch with 7 rainy days. Distinct rain was observed to northward on 8 days, to NE on 2 days, to west on one day and to NW on 5 days.

Mean barometric pressure 29.863 ins., as compared with the 33-year normal of 29.889 ins., or, 0.026 inch below normal. The highest barometer reading was 29.915 ins. on 10th at 7 a.m., and the lowest 29.745 ins. on 29th at 4 a.m., at the time of the movement of a weather disturbance to the south of Jamaica (corrected for diurnal variation).

The mean daily temperature, based upon four observations per day, was 82.2 degs., and the 33-year normal 80.6 degs. The maximum temperature was above 90 degs. on 17 days, and the minimum temperature was below 70 degs. throughout. Highest maximum 93.8 degs. on 17th, and lowest minimum 72.4 degs. on 26th. Then, the lowest maximum was 83.9 degs. on 29th, and the highest minimum 80.5 degs. on 6th. The greatest range of temperature was 18.7 degs. on 13th, and the least 9.4 degs. on 6th.

The mean daily miles of wind registered was 164; the 20-year normal being 166. The greatest number of miles of wind in one day was 284 on 14th and the least 99 on 24th. South-easterly rain-squalls on 2nd and 29th.

Distant lightning was observed to NE on 4 days and to eastward on 2 days. Distant thunderstorm to northward on 7 days, to north-eastward on 3 days, to ESE on 2 days, to south on 2 days and NW on 4 days. Moderate local thunderstorm on 11th and 15th.

Mean relative humidity 77%, and the 33-year normal 82%. The mean 7 a.m. was 81%, and mean 3 p.m. 65%. Lowest 7 a.m. 70% on 15th, and lowest 3 p.m. 54% on 14th.

The sky was overcast in the forenoon on 8 occasions and in the afternoon on 17.

Total evaporation for the month of September was 5.06 ins., and the 9-year normal 5.25 ins.

The mean daily number of sunshine hours was 8.6.

Corrigendum.—In Weather Report No. 668 for August, 1932, page 5, City of Kingston, for "Mean daily miles of wind," read "mean daily temperature."

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for September, 1932, 2.48 ins. Greatest fall in 24 hours 0.55 ins. on 24th with 11 rainy days.

WEATHER DISTURBANCES.

On the 31st August the United States Weather Bureau issued a storm warning to the effect that a Tropical Disturbance was located central about 100 miles to North of Porto Rico, moving north-westward with increasing intensity. This storm continued on a west-north-westward track, and was reported about 200 miles north of Turks Island on 2nd September. Then in the vicinity of Nassau early on 5th, and to south of Great Abaco Island late on the 5th. It appears to have incurred near to eastern coast of Florida, U.S.A., pursuing a NNE track into the Atlantic Ocean. It is described as of great diameter, and assumed hurricane force. Loss of life and certain damages to property at Great Abaco Island were reported. The steamship service from Canada, and the United States of America along its routes was menaced, causing some delay in the voyage of certain vessels.

The United States Weather Bureau located on 26th September at 9 a.m. a tropical disturbance of small diameter, but of considerable intensity, between St. Kitts and St. Martin, Leeward Islands. This storm passed the vicinity of St. Thomas and St. Croix, Virgin Islands, late in the afternoon of 26th, then moved over Porto Rico, a short distance to south of San Juan on 27th at about 1 a.m. Afterwards following an exceptional track west by south to near south of the City of Santo Domingo at about 6 p.m. on 28th, and later south of Port-au-Prince, Haiti, with much diminished intensity. Continuing on a west by south course passing about 30 or 40 miles to south of Kingston, Jamaica, during the early hours of Thursday, 29th, and apparently ceased to indicate further disturbed conditions in its movement to SW of Negril Point, Jamaica.

This hurricane caused great loss of life (about 300) and property, especially at Porto Rico. There were winds of gale force experienced at Santo Domingo City, and less so at Port-au-Prince. At Jamaica high SE wind was felt over the Island. At Kingston the wind registered SE 9 miles per hour at 2 a.m. changing to NE and east at 12 miles per hour at 2 30 a.m., attaining a velocity of 25 to 30 miles per hour, SE at 4. 20 a.m. decreasing to 15 miles per hour SE at 6 a.m., and again increasing to 30 miles per hour at about 8 a.m. on 29th.

At Morant Point the barometer reading indicated 29.762 ins. at 7 p.m. on 28th, wind NE 10 m.p.h., rain-squalls and thunderstorm. The sea was moderate.

At Kingston the barometer read lowest 29.745 ins. (correc for diur. var.) on 29th at 4 a.m. There was an appreciable loss of cultivation (particularly bananas) in certain districts in Jamaica.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
October 20th, 1932.

30
16

No. 670.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

OCTOBER, 1932.

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.	ins.	ins.	°	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.889	29.850	80.4	84.1	85.9	75.7	10	289.3	4	71.2	17	18.1	
Kingston	24	29.864	29.818	75.1	81.6	87.6	73.1	14	592.2	4	69.1	28	23.1	
Negril Point Light House	33	29.871	29.830	76.2	84.9	89.4	73.4	16	093.2	19	69.9	28	23.3	
Castleton Gardens	496			70.5	80.0	85.5	69.5	16	090.0	4*	65.0	28	25.0	
Hope Gardens†	668	29.918	29.839	73.3	81.8	87.1	70.8	16	391.0	4*	68.0	28	23.0	
Boon Hall	970	29.865	29.814	70.1	80.8	84.7	67.4	17	389.0	18	62.5	28	26.5	
Hill Gardens	4,900	25.248	25.239	63.6	65.8	69.8	58.8	11	072.0	6*	58.0	1*	14.0	

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.	°	%	°	%	ins.	Mls.	m.	m.	L.	M.	U.	L.	M.	U.		
Morant Point Light House	8	75	83	77	79	9.65	206	NE	9.5	ENE	8.5	1.4	2.6	2.4	1.1	3.0	2.0
Kingston	24	71	88	75	72	4.82	146	NE	4.5	SE	9.9	2.2	0.4	2.6	3.9	1.5	2.5
Negril Point Light House	33	72	88	76	73	3.95	183	ENE	7.2	SE	9.5	1.9	0.2	5.5	3.7	3.6	1.1
Castleton Gardens	496	69	95	75	85	20.17	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	68	87	73	75	9.85	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	68	95	73	78	8.94	..	NE	1.3	WSW	4.9	..	..	..	..	..	..
Hill Gardens	4,900	62	91	63	89	11.91	..	..	..	..	..	..	..	..	..	..	..

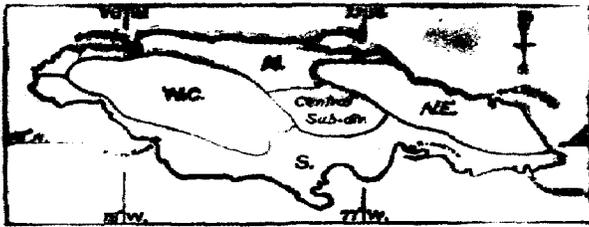
*And on other days. †Hope Gardens Bar. read at 9 a.m. and 3 p.m.

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-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

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



October, 1932.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)					
Manchioneal	16.12	2.93	21	16	16.40
Priestman's River	17.29	3.10	22	16	13.31
Bath	19.21	4.81	11	22	16.43
Barrett's Gap	24.96	5.59	11	20	..
Millbank	17.94	2.79	28	20	..
Moore Town	22.71	4.00	28	25	18.47
Port Antonio	16.49	4.35	22	21	14.24
Passley Garden	14.82	4.61	22	19	..
Fellowship	19.04	3.15	11	20	15.96
Johnson River Br.	17.53	3.25	11	18	13.59
Trinity Ville	15.35	2.63	7	14	..
Shrewsbury	10.14	1.76	22	23	12.51
Hope Bay	7.44	2.55	22	20	..
Cedar Valley	12.16	1.42	11	22	13.94
Moy Hall	13.41	1.80	22	23	19.41
Paradise	7.42	1.30	27	20	..
Lennox	5.51	1.08	22	17	..
Greenvale	11.50	3.50	28	10	10.97
Spring Garden	3.61	0.60	22	14	6.13
Hill Gardens	11.91	1.72	28	21	15.21
Buff Bay	3.33	1.07	22	11	9.27
Orange Vale	9.95	2.05	22	20	..
Belvedere, Portland	4.78	1.67	22	7	6.55
Windsor Castle, do.	3.17	0.60	25	6	7.38
Balcarres	17.25	4.56	29	16	..
Mt. Holstein	9.44	3.20	28	24	12.54
Cedar Hurst	8.55	2.16	28	26	..
Hardware Gap	12.29	2.40	13	19	14.72
Rose Hill	17.27	2.48	15	17	15.84
Hermitage	9.40	1.70	4	23	..
Mount James	11.60	3.05	19	20	..
Stony Hill Ind. Sch.	10.51	2.42	19	22	14.06
Boon Hall	8.94	2.55	19	25	..
Brandon Hill	13.24	2.47	29	19	..

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
October, 1932.					
NORTH-EASTERN DIVISION, contd.					
Iter Boreale	3.01	0.65	26	14	..
Enfield	6.97	0.88	19	16	..
Agualta Vale	4.60	1.46	29	18	6.26
Castleton Gardens	20.17	4.30	19	17	14.36
Water Valley	3.73	0.73	14	11	7.27
Albany	4.53	0.98	14	16	7.44
Lawrence Tavern	11.68	2.10	15	16	11.90
Richmond, St. Mary	5.13	2.33	8	11	8.14
Quebec, St. Mary	3.69	0.76	23	12	9.33
Above Rocks	7.07	1.36	19	15	..
Glengoffe	10.08	3.85	19	11	..
Carew Castle	9.66	2.43	19	13	12.61
Hampstead, St. Mary	2.33	0.56	29	17	7.88
Windsor Castle do.	3.73	1.03	15	15	..
Troja	5.73	1.26	9	13	..
Pear Tree Grove	5.25	1.20	3	12	..
Guy's Hill	5.89	0.75	15	14	7.27
Lucky Hill	5.38	1.51	7	14	8.26
Rio Hoe	5.58	1.65	2	9	8.68
Unity Valley	5.64	1.13	15	18	8.94
Moneague	5.59	1.05	14	15	8.97
Claremont	4.99	1.10	15	11	8.18
Averham Park	2.19	0.72	29	12	10.52
Albion	4.77	1.56	15	14	8.89
NORTHERN DIVISION (N.)					
Port Maria	2.95	0.60	23	12	8.26
Wentworth	3.11	0.73	24	10	..
Eden Park	3.09	1.47	23	5	..
Oracabessa	5.27	2.00	23	7	..
Huddersfield	2.91	2.12	26	3	..
Ocho Rios	4.55	1.25	23	17	5.56
Bogue, Ocho Rios	3.41	1.00	31	7	6.18
Drax Hall	3.09	0.60	20	10	7.04
Rockfield	3.55	1.85	11	8	6.40
Liberty Hill	2.15	0.46	10	7	5.93
St. Ann's Bay	3.20	0.76	12	13	6.62
Seville	..	..	..	..	6.69
Richmond Estate	2.12	0.86	11	7	6.94
Llandovery	4.15	0.90	11	7	6.91
Runaway Bay	1.37	0.42	22	8	3.07
Knapdale	3.95	1.45	15	10	..
Alexandria	8.24	2.30	15	9	7.96
Bel-Air	1.15	0.40	7	7	..
Brown's Town	4.43	1.00	15	16	8.32
Watt Town, St. Ann.	7.01	1.86	14	10	8.33
Home Castle	2.20	0.65	15	4	6.51
Richmond Pen	..	..	..	..	7.56
Bryan Castle	3.05	..	..	5	5.65
Braco	..	..	..	..	5.11
Arcadia	3.39	0.40	7	11	6.15
Vale Royal	3.09	1.16	14	11	6.50
Harmony Hall	3.46	1.42	20	8	5.15
Duncans	2.68	0.80	14	8	..
Clark's Town	3.99	0.90	8	7	..
Falmouth	2.59	1.13	7	6	5.54
Canaan	9.36	2.46	7	13	8.65

STATIONS.	October, 1932.					STATIONS.	October, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	WEST-CENTRAL <i>DIVISION, contd.</i>	Ins.	Ins.			Ins.
Grange	3.20	2.00	8	4	..	Marshall's Pen	15.13	2.45	12	13	12.02
Adelphi	4.89	1.65	7	12	..	Greenvale	11.92	1.75	27	19	..
Success	3.64	1.95	7	5	5.98	Albert Town	7.33	2.16	14	10	11.79
Rose Hall	3.16	1.60	7	5	6.24	Craig Head	4.94	1.02	15	11	..
Cinnamon Hill	2.80	1.30	7	5	6.66	Warsop	7.57	1.28	14	18	..
Tryall	2.60	0.80	7	7	6.01	Troy	10.53	4.00	19	18	15.46
Running Gut	2.38	1.00	7	5	5.52	Wallingford	11.96	1.60	27	27	13.54
Spring Estate	2.65	0.90	7	7	6.33	Balaclava	9.68	1.28	11	14	12.22
Friendship	6.71	1.43	7	17	10.16	Wakefield	8.90	3.39	7	12	..
Retirement	..	..	..	..	9.63	Maggotty	14.20	2.31	27	22	13.85
Montego Bay	9.02	1.48	14	16	7.53	Lacovia	10.00	1.40	16	14	..
Anchovy	9.05	1.20	9	19	6.96	Ipswich	16.53	2.50	16	21	..
Bamboo-Hanover	11.04	1.30	24	17	..	Kempshot	10.00	1.40	26	20	9.67
Blue Hole	13.78	2.88	7	15	10.44	Garlands	12.96	2.40	26	20	..
Kew	10.95	2.35	7	16	7.99	Mocho, St. James	14.71	2.32	26	19	..
Lucoa	9.90	1.59	20	19	8.12	Bandon Pen	17.59	3.75	24	18	..
Haughton Court	12.14	2.00	17	15	7.18	Catadupa	12.60	1.75	26	22	14.00
Cousins Cove	14.23	2.43	6	19	..	Cambridge, St. Jas.	10.68	2.66	26	17	12.42
Green Island	11.75	2.23	23	15	8.61	New Market	11.56	1.61	19	19	13.14
Haughton Hall	13.63	2.22	23	20	..	Kew Park	12.13	3.16	14	16	12.03
CENTRAL SUB-DIVISION.						Montpelier	8.61	2.60	24	11	9.68
Knollis	9.19	2.22	26	10	..	The Bog	15.12	2.25	26	22	13.75
Highgate	5.87	1.53	19	11	..	Bethel Town Dist.	12.83	1.56	14	25	16.37
Rio Magno	6.07	1.19	11	15	..	Burnt Ground	18.36	3.92	24	20	12.28
Riversdale	11.96	2.70	9	14	..	Haughton Grove	15.72	2.56	24	17	11.67
Headworks, R.C.C.	7.31	1.68	11	11	9.03	Darliston	12.91	2.27	5	24	14.89
Bog Walk	7.78	1.83	26	12	..	Bluefields	7.63	0.86	23	19	10.89
Linstead	7.90	1.75	5	16	9.46	Whithorn	8.68	1.96	8	23	12.70
Ewarton	8.45	3.60	15	15	..	Water Works Pen	7.67	0.96	4	20	11.31
Cave Valley	8.21	1.38	15	11	9.81	Askenish	10.72	1.00	27	13	14.36
Guanaboa Vale	10.12	1.70	27	18	..	Grange Hill	13.90	2.10	19	19	12.85
Point Hill	12.97	1.87	15	24	14.43	King's Vale	10.70	2.42	23	17	9.27
Brown's Hall	9.91	1.22	26	16	12.12	SOUTHERN DIVISION (S.)					
Bellas Gate	11.51	1.70	27	18	11.55	Morant Point L.H.	9.65	2.23	21	17	11.35
Rock River	9.49	1.80	20	12	..	Golden Grove	7.55	3.31	21	18	..
Crofts Hill	10.84	2.85	15	21	10.10	Pleasant Hill	14.98	3.19	11	22	11.37
Far Enough	5.47	1.15	19	20	..	Bowden	..	..	..	..	..
Suttons	9.49	1.17	20	18	..	East Prospect	14.98	3.41	11	22	11.83
Colonel's Ridge	11.43	2.12	19	19	..	Morant Bay	14.18	3.54	22	15	12.12
Chapelton	8.62	0.92	8	18	12.13	Aeolus Valley	18.77	4.00	22	15	..
Crooked River	10.88	1.31	15	20	..	Yallahs	12.83	2.67	21	15	..
James Hill	11.26	1.80	9	21	..	Easington	15.86	2.34	22	17	11.41
Frankfield	13.92	2.22	9	22	11.27	Mavis Bank	9.71	1.66	11	11	..
WEST-CENTRAL DIVISION (W.C.)						Bull Bay	7.05	1.58	12	8	7.33
Mocho, Clarendon	12.73	2.60	8	16	13.81	Dallas Castle	13.09	2.40	11	18	..
Clarendon Park	14.48	2.34	8	19	..	Gordon Town	9.64	2.76	14	19	12.24
Borobridge	6.69	1.80	16	13	..	Irish Town	10.20	1.70	14	21	10.54
Spaklings	12.50	3.68	27	24	13.05	Hope Gardens	9.85	2.34	26	21	9.68
Williamsfield	15.30	3.14	17	10	..	Waireka	9.70	2.50	21	15	..
Brokenhurst	14.83	2.05	11	17	13.95	Ivor	..	..	..	..	..
Shooters Hill	14.71	2.90	9	17	12.08	Barbican	6.50	1.03	19	22	..
Lowe River	8.87	2.60	15	12	12.88	Plumb Point L.H.	5.87	1.28	11	10	7.15
Christiana	8.36	1.68	16	22	10.97	King's House Gar.	6.29	2.00	19	15	8.55
Clifton Hill	16.48	3.65	11	17	15.41	Upper Kingston	6.63	2.63	21	16	6.22
Kendal, Manchester	16.78	2.66	27	17	13.65	Kingston P.W.O.	4.82	1.45	22	14	7.10
Mereworth	13.95	2.54	27	16	..	Halfway Tree	7.27	1.75	19	13	8.05
Mandeville	17.31	3.55	11	19	14.86	Clifton Pen	6.44	1.69	21	13	6.56
Ulster Spring	8.79	1.55	14	17	11.90	Red Hills	7.93	3.10	19	11	..

STATIONS.	October, 1932.					STATIONS.	October, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Quarantine Station	4.29	1.08	19	8	5.34	Great Valley, Man.	15.52	3.00	22	13	10.15
Hematine	6.97	2.01	21	13	6.86	Alligator Pond	8.06	2.10	11	9	7.49
Spanish Town	6.89	1.65	21	11	8.34	Fairfield	11.89	3.12	27	23	10.33
The Stewartry	7.95	2.45	27	14	..	Lititz	6.89	1.05	11	12	7.35
Hog Hole, St. Cath.	7.97	1.32	11	16	8.94	Myersville	10.44	2.10	20	16	..
Hartlands	..	..	..	..	7.38	Glinock	8.85	1.50	27	19	..
Old Harbour	9.09	2.60	21	11	9.50	Southfield, St. Eliz.	8.35	2.19	11	14	8.25
May Pen	13.38	2.64	20	17	9.90	Windsor, St. Eliz.	11.50	2.42	27	22	..
Glen Muir	13.35	2.50	19	8	..	Torrington	5.68	2.10	27	8	10.09
Cottage	9.06	1.85	12	16	..	Unity	11.34	4.00	27	12	..
Belle Plain	12.92	3.55	11	15	..	Santa Cruz	15.03	2.45	20	24	11.93
Milk River	11.91	2.75	8	15	8.20	Pedro Plains	8.50	2.12	7	12	5.44
Retrieve	11.72	1.55	27	13	9.44	Mountainside	2.82	0.80	3	8	7.87
Hog Hole, S. Man.	19.45	2.60	14	16	12.69	Fort Charles	5.76	1.48	7	8	..
Stone's Hope	17.23	3.30	7	17	12.14	Black River	6.32	0.86	11	22	8.06
Newport, Man.	16.75	2.56	11	21	11.79	Font Hill	8.45	1.45	19	13	8.81
						Mount Edgecombe	9.75	1.95	21	22	9.80
						Sweet River	6.74	1.23	10	20	9.94
						Sav.-la-Mar	5.21	0.98	20	16	8.87
						Little London	5.31	1.02	29	17	10.50
						Retreat	6.10	1.40	24	13	10.10
						Negril Point L.H.	3.95	1.04	8	15	8.21

NOTES.

SHOCKS OF EARTHQUAKE IN OCTOBER, 1932.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

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

DIVISIONAL AND ISLAND RAINFALL.	October.			
	Rainfall.		Rainy Days.	
	1932.	Ave.	1932.	Ave.
	Ins.	Ins.		
North-Eastern	9.66	11.72	16	15
Northern	6.24	7.57	12	12
West-Central	12.23	11.97	18	17
Southern	9.39	9.29	15	13
The Island means	9.38	10.14	15	14

N.B. IT IS PARTICULARLY REQUESTED TO SEND ALL RAINFALL POSTCARDS IN NOT LATER THAN THE 6TH OF EACH MONTH.

THE ISLAND—OCTOBER.

The mean rainfall for the Island was below the normal. The average was exceeded in the West-Central and Southern Divisions, but there was a deficiency in the North-Eastern and Northern Divisions.

The heaviest precipitation appears to have occurred on the 7th, 11th and 19th, but the rainfall was well distributed, as the mean number of rainy days was 15, or one more than the average for the month. The greatest number of rainy days was 27 at Wallingford in the West-Central Division.

The greatest total fall for the month was 24.96 inches at Barrett's Gap in the North-Eastern Division. This Station also had the heaviest fall in 24 hours—5.59 inches on the 11th.

On the 19th at Boon Hall in the North-Eastern Division 2.55 inches fell in three-quarters of an hour.

A Water-spout was seen off Lucea on the 20th.

The mean rainfall in each parish is given below:—

	Inches.		Inches.
Kingston	5.77	St. James	7.72
St. Andrew	9.90	Hanover	12.93
St. Thomas	15.10	Westmoreland	9.24
Portland	11.33	St. Elizabeth	9.68
St. Mary	5.17	Manchester	14.44
St. Ann	4.15	Clarendon	10.70
Trelawny	5.71	St. Catherine	8.21

CITY OF KINGSTON.

The total rainfall for October was 4.82 ins.; the normal for 59 years being 7.11 ins. Although the October "Season" was very deficient in the city, it was to some extent compensated for by having 14 rainy days, as against the 49-year normal of 11.8 days. The greatest fall in 24 hours was 1.45 inch on 21st. The upper boundary of Kingston gauged 6.63 ins. with 16 rainy days. Distant rain was observed to northward on 10 days, to NE on 6 days, to ESE on one day, to SE on two days, to west on one day and to NW on 4 days.

The mean barometric pressure was 29.853 ins., and the 33-year normal 29.866 ins. (or, 0.013 inch below normal). The highest barometer reading was 29.965 ins. on 30th at 7 a.m., and the lowest 29.777 ins. on 21st at 7 a.m. It is worthy of note to mention that the mean barometric pressure, for each month, from January to October has been consistently below the normals.

The mean daily temperature, based upon four observations per day, was 79.6 the 33-year normal 79.4 degs. The maximum temperature was above 90 degs. on 4 days, and the minimum temp. was below 70 degs. on one day. Highest maximum 92.2 degs. on 4th, and lowest minimum 69.1 degs. on 28th. Then, the lowest maximum was 81.2 degs. on 21st, and the highest minimum 75.7 degs. on 19th. The greatest range of temperature was 18.6 degs. on 28th, and the least range 9.4 degs. on 29th.

The mean daily miles of wind registered was 146; the 20-year normal being 154. The greatest number of miles of wind in one day was 279 on 12th, and the least 94 on 29th. Frequent SE squalls occurred on 6 days (6th, 8th, 11th, 12th, 13th and 21st) south-easterly wind commenced early on 5th, 6th, 7th and 9th, and on 14 days it continued until after 7 p.m.

Distant lightning was observed to north on one day, to NE 3 days, to ESE on one day, (on 29th very vivid to NE) to south on one day. Distant thunderstorm to northward on 3rd, 6th, 10th, 14th, 19th and 29th, to NE on 2nd, 14th, 23rd and 29th to ESE on 6th, 12th and 23rd, to SE on 7th, to SW on 20th and 23rd, to west on 2nd and 30th and to NW on 1st, 7th and 10th. Moderate local thunderstorm on 3rd and 19th.

Mean relative humidity 83%, and the 33-year normal 84%. The mean 7 a.m. was 88%, and the mean 3 p.m. 72%. Lowest 7 a.m. 78% on 3rd, and lowest 3 p.m. 58% on 28th.

The sky was overcast in the forenoon on 14 occasions, and in the afternoon on 21.

Total evaporation for October 3.51 inches, and the 9-year normal 4.19 ins.

Mean daily number of sunshine hours 7.2.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for October, 1932, 10.82 ins. Greatest fall in 24 hours 3.04 ins. on 14th with 14 rainy days.

WEATHER DISTURBANCES.

On 9th October, 9 p.m. the United States W.B. issued a warning concerning a Weather Disturbance located to the eastward of the town of Belize, British Honduras, about 100 miles distant. Then on the 10th the disturbance appeared to have moved north-westward, until it was a short distance from Campeche, Yucatan. On the 11th at 10 a.m. evidently continued towards the Gulf of Campeche to north-westward.

Then on 31st October a wireless message from Washington, received during the forenoon, reported a Tropical Disturbance apparently of slight intensity, estimated central, a short distance east or south-east of the Island of Antigua, Leeward Islands, probably moving westward. As this disturbance continued for over ten days in the month of November, the particulars concerning it will be given in detail in next month's Weather Report.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
November 21st, 1932.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

NOVEMBER, 1932.

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

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

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

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

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

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.		Temperature.				Extreme Temperature.					
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
Morant Point Light House	8	29.877	29.841	79.8	82.1	83.7	76.2	7.5	86.6	2	69.9	30	16.7
Kingston	24	29.845	29.802	74.8	81.3	86.3	72.7	13.6	89.3	2	69.3	1	20.0
Negril Point Light House	33	29.867	29.821	75.6	83.0	84.9	72.9	12.0	90.2	3	66.6	1	23.6
Castleton Gardens	496			70.2	77.8	81.3	69.2	12.1	88.0	5	64.0	18	24.0
Hope Gardens†	668	29.901	29.815	71.3	83.0	85.4	69.4	16.0	90.0	1	65.0	30	25.0
Boon Hall	970	29.847	29.799	70.0	80.2	82.5	67.9	14.6	87.5	20*	61.5	1*	26.0
Hill Gardens	4,900	25.208	25.184	62.7	64.5	67.6	57.5	10.1	71.0	1	56.0	28*	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.	L.	M.	U.	L.	M.	U.	
Morant Point Light House	8	74	80	74	76	3.92	371	NNE	19.0	NNE	17.0	1.8	2.4	2.2	2.4	2.5	1.7
Kingston	24	69	84	72	68	2.67	213	NNE	9.1	SE	10.6	2.1	2.5	1.6	3.6	2.8	0.9
Negril Point Light House	33	72	89	74	74	9.70	390	NNE	16.0	N	18.0	2.8	1.3	2.8	3.4	2.2	1.4
Castleton Gardens	496	69	95	74	88	27.22	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	68	89	72	69	6.32	..	NNW	6.4	WNW	10.5	..	..	..	..	..	..
Boon Hall	970	66	90	69	71	9.92	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	60	88	62	94	22.25	..	..	..	..	..	..	..	..	..	..	..

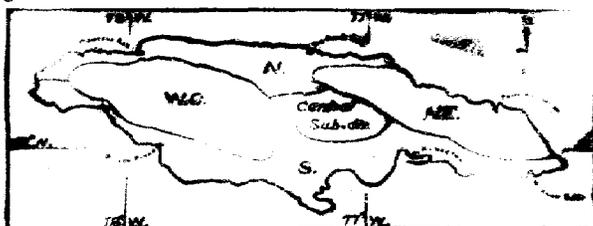
*And on other days. †Hope Gardens Bar read at 9 a.m. and 3 p.m.

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-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negil; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

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



November, 1932.

STATIONS.	Total Fall.		Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Ins.	Ins.	Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.				Ins.
Manchiomeal	13.93	5.88	29	12		14.25
Priestman's River	18.77	9.40	29	13		11.66
Bath	11.52	2.23	5	18		14.24
Barrett's Gap	16.19	2.20	4	18		
Millbank	33.00	4.75	5	19		
Moore Town	37.72	8.00	5	27	33	29
Port Antonio	22.65	5.50	6	26	16	98
Passley Garden	18.97	3.52	6	17		
Fellowship	22.58	4.70	5	21	25	41
Johnson River Br.	7.76	2.40	5	12	8	91
Trinity Ville	10.55	2.50	5	9		
Shrewsbury	37.53	7.09	13	23	29	72
Hope Bay	22.90	6.62	5	21		
Cedar Valley	11.43	1.93	6	13	12	08
Moy Hall	22.40	4.95	5	16	17	45
Paradise	27.32	4.40	13	22		
Lennox	19.53	3.10	5	20		
Greenvale	28.85	4.50	5	16	33	76
Spring Garden	16.56	4.00	22	21	13	01
Hill Gardens	22.25	4.08	3	17	15	57
Buff Bay	15.42	3.10	22	18	15	92
Orange Vale	24.75	3.65	5	20		
Belvedere, Portland	22.68	4.08	22	15	15	52
Windsor Castle, do.	16.71	3.15	22	18	15	45
Balcarras	38.51	4.50	3	18		
Mt. Holstein	32.55	5.66	3	21	30	39
Cedar Hurst	30.08	4.26	4	21		
Hardware Gap	24.20	5.50	3	16	16	76
Rose Hill	16.50	3.62	4	14	15	38
Hermitage	10.40	2.12	3	11		
Mount James	19.76	6.60	4	11		
Stony Hill Ind. Sch.	7.72	2.16	3	12	8	19
Boon Hall	9.92	2.61	3	16		
Brandon Hill	14.42	4.22	4	13		

STATIONS	November, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
Ins.	Amount.	Date.	Ins.			Ins.
NORTH-EASTERN DIVISION, contd.					
Iter Boreale	11.75	2.00	13	19	
Enfield	21.98	3.84	22	18	
Agualta Vale	11.80	2.45	5	21	11.68
Castleton Gardens	27.22	5.70	3	17	16.40
Water Valley	10.50	2.30	5	13	10.84
Albany	9.59	2.21	5	14	11.16
Lawrence Tavern	8.45	2.35	4	12	9.69
Richmond, St. Mary	10.87	2.04	4	14	12.12
Quebec, St. Mary	12.21	3.35	5	13	9.79
Above Rocks	7.62	2.22	4	10	
Glengoffe	10.69	2.85	4	9	
Carew Castle	6.72	1.90	4	7	10.69
Hampstead, St. Mary	15.51	2.89	5	25	16.24
Windsor Castle do.	15.82	2.66	4	18	
Troja	11.49	2.41	4	15	
Pear Tree Grove	11.09	2.50	4	12	
Guy's Hill	14.81	2.63	4	18	10.74
Lucky Hill	12.76	2.53	5	22	14.78
Rio Hee	13.41	3.04	4	20	10.78
Unity Valley	15.76	4.31	8	17	10.35
Moneague	12.52	3.20	8	15	11.84
Claremont	14.72	3.25	8	14	11.99
Averham Park	15.77	2.72	8	18	13.38
Albion	15.66	2.45	4	19	10.62
NORTHERN DIVISION (N.)					
Port Maria	10.22	1.82	5	16	11.02
Wentworth	9.54	1.85	13	16	
Eden Park	6.14	2.00	5	13	
Oracabessa	10.91	3.14	5	15	
Huddersfield	10.17	3.55	5	10	
Ocho Rios	10.80	2.73	5	20	9.50
Bogue, Ocho Rios	11.01	2.52	5	12	11.60
Drax Hall	10.84	3.95	5	13	10.15
Rockfield	10.62	4.55	9	12	15.09
Liberty Hill	4.77	1.53	13	10	11.06
St. Ann's Bay	9.21	2.80	5	16	9.58
Seville	3.74	1.72	30	6	10.18
Richmond Estate	7.41	1.86	5	15	9.64
Llandovery	4.65	3.85	5	9	9.72
Runaway Bay	6.01	1.47	29	12	3.98
Knapdale	14.06	1.79	20	20	
Alexandria	13.40	3.40	8	11	5.45
Bel-Air	10.65	2.05	29	18	
Brown's Town	10.94	2.11	4	22	11.23
Watt Town, St. Ann.	7.01	1.45	7	9	5.15
Home Castle	6.70	1.85	4	11	9.00
Richmond Pen	7.85	2.10	8	16	5.99
Bryan Castle	5.25			6	6.65
Braco					6.00
Arcadia	7.74	1.90	28	22	7.50
Vale Royal	7.02	1.80	28	18	7.75
Harmony Hall	5.40	1.95	28	11	6.11
Duncans	8.07	3.07	28	9	
Clark's Town					
Falmouth	5.82	1.10	27	14	5.02
Canaan	11.40	1.96	8	12	6.74

November, 1932.						November, 1932.					
STATIONS.	Greatest fall in 24 hours.					STATIONS.	Greatest fall in 24 hours.				
	Total Fall.	Amount.	Date.	Days on which 0.01 or more fell.	Average.		Total Fall.	Amount.	Date.	Days on which 0.01 or more fell.	Average.
NORTHERN DIVISION,						WEST-CENTRAL					
<i>contd.</i>						<i>contd.</i>					
Grange	12.85	2.00	17	11	..	Ulster Spring	9.09	1.55	7	16	7.30
Adelphi	12.54	1.57	7	17	..	Marshall's Pen	20.09	6.24	7	6	6.38
Success	14.78	5.00	29	15	5.22	Greenvale	17.69	5.30	6	7	..
Rose Hall	13.05	4.80	29	15	5.71	Albert Town	10.56	2.75	7	13	7.40
Cinnamon Hill	14.67	5.00	29	15	5.56	Craig Head	17.70	5.11	6	10	..
Tryall	12.75	3.95	29	19	4.30	Warsop	11.23	2.63	6	17	..
Running Gut	12.15	3.80	29	16	5.21	Troy	10.53	2.33	6	12	7.07
Spring Estate	10.30	2.70	29	17	5.74	Wallingford	10.42	4.80	7	8	6.87
Friendship	12.76	2.20	20	19	5.97	Balaclava	7.25	2.20	6	6	5.93
Retirement	13.34	2.10	21	19	6.54	Wakefield	7.54	1.90	6	13	..
Montego Bay	10.35	3.02	26	15	5.10	Maggotty	6.93	1.85	7	6	6.81
Anchovy	7.61	1.75	21	17	3.23	Lacovia	4.66	1.72	7	8	..
Bamboo-Hanover	8.21	2.40	8	12	..	Ipswich	6.63	2.41	8	8	..
Blue Hole	9.28	3.32	9	11	8.07	Kempshot	11.00	2.12	21	14	6.70
Kew	5.75	1.80	8	10	4.62	Garlands	11.22	3.85	8	12	..
Lucea	4.99	1.90	8	11	5.82	Mocho, St. James	10.73	3.55	8	13	..
Houghton Court	..	..	..	..	4.58	Bandon Pen	12.16	3.19	7	13	..
Cousins Cove	4.97	1.62	8	11	..	Catadupa	10.14	2.55	7	12	8.01
Green Island	4.82	1.70	7	8	4.62	Cambridge, St. Jas.	7.69	2.04	8	17	5.53
Houghton Hall	4.22	1.60	7	10	..	New Market	7.06	2.30	7	8	7.39
CENTRAL SUB-DIVISION.						Southern Division					
Knollis	5.50	1.81	4	8	..	Kew Park	5.75	1.50	8	8	5.66
Highgate	7.24	1.68	4	10	..	Montpelier	6.37	2.35	8	8	5.08
Rio Magno	9.67	2.45	4	17	..	The Bog	6.21	2.07	7	9	6.66
Riverdale	8.16	2.35	4	12	..	Bethel Town Dist.	6.91	1.80	8	12	7.50
Headworks, R.C.C.	4.76	0.97	16	9	5.12	Burnt Ground	..	..	..	..	5.96
Bog Walk	5.13	1.70	4	6	..	Houghton Grove	7.48	1.27	10	14	5.46
Linstead	5.99	1.20	4	12	6.47	Darlston	7.80	2.78	7	9	7.35
Ewarton	8.01	2.38	8	12	..	Bluefields	6.29	3.09	7	7	6.48
Cave Valley	8.90	2.50	8	6	5.30	Whithorn	4.79	2.03	8	6	6.06
Guanaboa Vale	7.05	1.90	5	8	..	Water Works Pen	5.87	2.85	7	6	4.90
Point Hill	17.34	3.14	4	15	10.01	Askenish	4.35	1.30	7	6	5.04
Brown's Hall	10.77	2.90	6	9	10.46	Grange Hill	8.49	3.02	7	7	5.66
Bellas Gate	6.81	1.50	5	9	3.56	King's Vale	3.20	1.03	7	17	5.05
Rock River	10.51	2.75	16	9	..	Southern Division (S.)					
Crofts Hill	13.44	3.58	6	10	6.40	Morant Point L.H.	3.92	0.73	29	15	7.97
Far Enough	12.22	2.78	6	12	..	Golden Grove	8.10	1.88	12	11	..
Suttons	10.40	2.78	6	11	..	Pleasant Hill	8.49	2.10	12	14	8.87
Colonel's Ridge	7.91	2.20	6	7	..	East Prospect	6.87	1.76	5	12	10.31
Chapelton	8.66	2.37	6	8	4.83	Morant Bay	4.17	1.24	6	17	7.22
Crooked River	7.10	2.25	6	10	..	Aeolus Valley	5.85	2.50	5	6	..
James Hill	7.11	3.38	7	8	..	Yallahs	4.56	1.50	5	4	..
Frankfield	12.82	3.38	7	8	4.39	Easington	6.59	2.85	5	10	5.38
WEST-CENTRAL						Mavis Bank					
Division (W.C.)						Bull Bay					
Mocho, Clarendon	15.12	7.20	6	4	5.67	Dallas Castle	2.99	1.37	5	7	3.10
Clarendon Park	11.84	4.76	6	8	..	Gordon Town	8.04	1.42	5	14	..
Porus	15.99	7.50	6	6	..	Irish Town	11.78	2.39	9	13	9.01
Borobridge	16.52	4.00	7	9	..	Hope Gardens	14.91	2.80	9	17	8.98
Spaldings	22.17	5.68	6	12	4.88	Waireka	6.32	1.50	9	13	5.80
Williamfield	19.57	6.44	6	9	..	Ivor	3.34	0.82	8	6	..
Brokenhurst	15.64	4.82	6	8	7.29	Barbican	5.21	1.15	9	10	..
Shooters Hill	..	..	..	..	6.74	Plumb Point L.H.	2.85	1.28	6	10	2.45
Low River	22.04	7.50	7	19	8.09	King's House Gar.	4.57	0.97	9	9	4.75
Christiana	18.01	5.76	6	13	6.35	Upper Kingston	4.32	1.12	5	10	2.52
Clifton Hill	24.26	8.00	6	7	5.44	Kingston P.W.O.	2.67	0.67	5	9	2.92
Kendal, Manchester	18.71	7.35	6	8	6.41	Halfway Tree	2.86	0.72	9	8	4.05
Mereworth	23.98	7.10	6	8	..	Clifton Pen	3.88	1.04	5	9	4.82
Mandeville	24.24	6.42	7	9	7.05	Red Hills	4.87	1.48	5	8	..

STATIONS.	November, 1932.					STATIONS.	November, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Quarantine Station	3.21	0.86	7	10	2.56	Great Valley, Man.	6.82	2.25	7	7	4.58
Hematine	4.11	0.87	23	10	3.67	Alligator Pond	5.41	1.84	6	6	3.55
Spanish Town	5.09	1.87	23	9	3.80	Fairfield	11.15	4.19	7	11	6.59
The Stewartry	4.52	1.21	6	10	..	Lititz	3.90	1.00	7	7	4.38
Hog Hole, St. Cath.	6.66	1.36	6	10	4.60	Myersville	5.62	1.88	8	8	..
Hartlands	..	..	..	..	5.15	Glincock	..	..	..	..	..
Old Harbour	5.29	2.10	6	7	4.67	Southfield, St. Eliz.	8.86	2.31	6	9	4.69
May Pen	7.66	3.17	5	7	4.60	Windsor, St. Eliz.	8.48	2.40	7	12	..
Glen Muir	10.50	3.00	4	6	..	Torrington	11.90	3.60	7	8	6.57
Cottage	8.37	4.00	6	7	..	Unity	8.09	2.75	7	5	..
Belle Plain	13.19	5.34	6	7	..	Santa Cruz	8.53	1.96	8	11	6.09
Milk River	5.73	3.61	7	6	5.12	Pedro Plains	7.35	3.00	6	7	3.85
Retrieve	4.87	1.50	7	7	5.22	Mountainside	1.12	0.48	6	3	5.88
Hog Hole, S. Man.	10.58	2.70	7	7	5.20	Fort Charles	6.05	2.26	7	7	..
Stone's Hope	10.04	3.34	6	10	5.58	Black River	3.39	1.29	7	8	4.36
Newport, Man.	10.31	2.75	6	9	6.73	Font Hill	4.05	2.15	6	6	4.82
						Mount Edgewcombe	5.81	2.82	7	8	4.98
						Sweet River	4.69	2.60	7	7	3.82
						Sav.-la-Mar	6.35	3.40	8	5	3.67
						Little London	5.87	2.20	7	8	3.98
						Retreat	7.07	2.82	7	6	4.60
						Negril Point L.H.	9.70	4.30	8	6	3.83

NOTES.

SHOCKS OF EARTHQUAKE IN NOVEMBER, 1932.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

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

DIVISIONAL AND ISLAND RAINFALL.	November.			
	Rainfall.		Rainy Days.	
	1932	Ave.	1932	Ave.
	Ins.	Ins.		
North-Eastern	17.23	15.52	17	16
Northern	9.32	6.42	13	11
West-Central	11.11	6.21	10	11
Southern	6.34	5.03	9	9
The Island means	11.00	8.29	12	12

None Reported.

N.B. IT IS PARTICULARLY REQUESTED TO SEND ALL RAINFALL POSTCARDS IN NOT LATER THAN THE 6TH OF EACH MONTH.

THE ISLAND—NOVEMBER.

The mean rainfall for the Island was much above the normal in all Divisions.

Most of the rain fell between the 3rd and 9th due to the hurricane passing to the South and West of the Island.

The mean number of rainy days was 12, which is the average for the month. The greatest number of rainy days was 27 at Moore Town in the North-Eastern Division.

The greatest total fall for the month was 38.51 inches at Balcarres, in the North-Eastern Division, and the heaviest fall in 24 hours was 9.40 inches at Priestman's River in the same Division on the 29th.

The mean rainfall in each parish is given below:—

	Inches.		Inches.
Kingston	3.28	St. James	11.39
St. Andrew	10.33	Hanover	5.91
St. Thomas	9.17	Westmoreland	6.03
Portland	25.05	St. Elizabeth	6.68
St. Mary	12.94	Manchester	15.14
St. Ann	10.52	Clarendon	11.58
Trelawny	9.19	St. Catherine	7.83

CITY OF KINGSTON.

The total rainfall for November, was 2.67 inches, as against the 59-year normal of 2.72 inches; there were 9 rainy days, as compared with the 49-year average of 8. Greatest fall in 24 hours occurred on 5th with 0.67 inches. The upper boundary of Kingston gauged 4.32 inches with 10 rainy days. Distant rain was observed to northward on 3 days, to NE on 3 days and to seaward on 1 day, but general rain around with rainsqualls at intervals, during the time of the movement of the hurricane in the Caribbean, from 4th to 9th.

Mean barometric pressure, 29.836 inches; the 33-year normal being 29.892 inches, shewing 0.056 inch below the normal. The highest barometer reading was 29.931 inches on 21st at 7 a.m., and the lowest, 29.624 inches on 7th at 7 a.m. (at the time of the movement of a great hurricane to westward of Negril Point), correc. for diur. var. The low mean barometric pressure has continued from the month of January to November. Both stations at Morant Point and Negril Point likewise recorded low departures from the normal.

The mean daily temperature (based upon four observations per day), was 79.0 degrees, and the 33-year normal 78.3 degrees (or, 0.7 degrees above normal). The maximum temperature was below 90 degrees throughout, and the minimum temperature was below 70 degrees once. Highest maximum temperature, 89.3 degrees on 2nd, and lowest minimum, 69.3 degrees on 1st. Then, the lowest maximum was 81.1 degrees on 9th, and the highest minimum, 79.5 degrees on 8th, when the hurricane was to the immediate westward, and south-easterly wind prevails. The greatest range of temperature was 18.3 degrees on 1st, and the least range was only 3.5 degrees on 8th.

The mean daily miles of wind registered was 213, and the 20-year normal 139, shewing 53% above the normal. Frequent high south-easterly wind prevailed during the occasion of the hurricane in the vicinity. The greatest number of miles of wind in one day was 624 on 7th. South-easterly wind changing to south, continued throughout the nights from 5th to the 8th, ending with high southerly wind on 8th and 9th.

The least number of miles of wind in one day, was 97 on the 22nd.

Distant thunderstorm to north on 23rd, to NE on 3rd and to south-west on 27th. Moderate local thunderstorm on 3rd.

The mean relative humidity was 79%, and the 33-year normal, 82%. The mean 7 a.m. was 84%, and the mean 3 p.m. 68%. Lowest 7 a.m. 70% on 8th, and lowest 3 p.m. 52% on 24th.

The sky was overcast in the forenoon on 18 occasions and in the afternoon on 19 occasions.

Total evaporation for November, 3.27 inches, the 9-year normal shewing 3.61 inches.

Mean daily number of sunshine hours, 7.2.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman. Total rainfall for November, 1932, 4.91 inches. Greatest fall in 24 hours 3.00 inches on 10th, with 8 rainy days.

WEATHER DISTURBANCE.

THE HURRICANE OF NOVEMBER, 1932.

A statement was made in the October Weather Report that the United States Weather Bureau issued a storm warning on 31st October, of the formation of a Tropical Weather Disturbance, apparently of slight intensity, central a short distance east or south-east of the Island of Antigua, Leeward Islands.

This disturbance evidently moved somewhat westerly until the 1st November, when south of Porto Rico, it then changed its direction to an unusual course south-westerly, until about 3rd November, to a point a short distance to north-west of the Island of Curacao. Then, taking a westerly course from that point, and changing to north-west, with a marked tendency to recurve on its track on the 5th. Its centre was estimated to have been about Latitude 15° North and Longitude 78° West. It then slowed down on its track to an hourly movement of about 4 miles per hour, and was situated to the immediate west of Negril Point at midnight of 8-9 November, probably 100 miles away. This hurricane then, again, changed its direction for a north-east movement, towards the town of Santa Cruz and Nuevitas, Cuba, with a very much greater progress in its track, and then later to the south-east of Nassau, Bahamas, on 10th November, in the forenoon, and further, on the 12th it was located about south of Bermuda.

This hurricane pursued an unusual track, especially from a point south of Porto Rico, to a position to north-west of Curacao. Its course in the Caribbean Waters covered (approx.) about 1,700 miles, when it was located at Nuevitas, Cuba, and maintaining a duration of a period of ten days, entailing intense anxiety in most of the West India Islands, owing to its uncertain developments in its track.

The wind velocity, near to the storm centre, has been estimated to have attained upwards of 135 miles per hour, when passing over Cuba. The seas of the Caribbean ran high throughout the time. And even when about 350 miles to the SW of Jamaica, there were high seas experienced on the southern coast of this Island. This demonstrates that the storm centre must have been of great violence so as to have agitated the sea so greatly all around.

The destruction caused by this hurricane may be briefly recorded as follows:—

At Jamaica.—There was no loss of life reported. Cultivation suffered very considerably on the whole. The banana properties must have experienced a loss of about 70%. The northern section of the Island, where the banana cultivation is most extensive, lost very heavily, for the sea gales were more or less continuous from the 7th to 9th November. Then, from the persistence of the high seas, such structures as piers and wharf buildings, near to the sea front, were seriously damaged at Morant Bay, Sav-la-Mar, Montego Bay and Port Antonio, etc. Frail structures to the westward, and inland, fell by the gale force of this storm. Negril Point reported wind at a maximum of 90 miles per hour, by its anemometer, which is exposed at a height of 110 feet about sea-level. This wind, when due correction is applied, would represent a velocity of 70 miles per hour, according to the U.S.W.B. Tables. Consequently, at the surface level the wind to the westward of the Island, during the nearest approach of the storm centre, may be taken as blowing at about 40 to 50 miles per hour.

The main roads of the Island, situated especially along the sea front, sustained heavy damages, owing to the inundation by the high seas; and it has been estimated to cost about £50,000 to restore them into good condition.

At Cayman Islands.—These Islands being of a low lying formation, the storm centre having moved in a course about midway between Negril and Cayman Brae, the heavy seas caused great loss of life at Cayman Brae, when about 80 persons perished. Great loss of property and to some sea craft was occasioned.

At Cuba.—The towns of Santa Cruz to the south, and Nuevitas to the north, suffered lamentably. Likewise, to some extent, in the Province of Camaguay. It has been reported the loss of life amounted to the appalling number of some 2,000 for the most part from the flooding by the heavy seas, aided by the terrific hurricane wind force.

It deserves to be here placed on record the almost unparalleled experience of the S.S. "Phemius," of the Blue Funnel Line, when on her voyage from Savannah of the United States, to the Panama Canal which became entrapped on Sunday 6th November, into the storm centre in Latitude 14° 12' North, and Longitude 79° 15' West or, about 330 miles to south-westward of Kingston. This vessel, under the command of Captain Evans, was imprisoned in the hurricane vortex, and calm centre and forcibly drifted along until she was able to swing out and be rescued by the S.S. "Killarig," about 120 miles north-west of Negril Point, on Thursday, 10th November, in Latitude 18° 18' north, and Longitude 79° 50' West. The Captain and crew were obviously exposed to the most terrific weather. This ship was brought to Kingston Harbour, suffering much damage. A full report is to be found in the Daily Gleaner of November 14th, 1932.

Five Station Summaries of observations are given in the Tables accompanying this report, during the period of threatening conditions, and are arranged in the order of the locations of the Stations from west to east, as follows:—

Table	I.—Negril Point Light House, Mr. J. S. Brownhill.
"	II.—Rose Mount (near Montego Bay) Mr. Edward Foster.
"	III.—Boon Hall (near Stony Hill) Mr. J. R. Scotland.
"	IV.—Kingston. Government Meteorologist.
"	V.—Morant Point Light House, Mr. Chas. Durrant.

It will be gathered from these Tables, the Negril Point barometer read lowest on 9th at 1.30 a.m., 29.444 inches, the wind was then registering its greatest force. Then, at Rose Mount, Mr. Foster had his lowest barometer reading on 9th at 3 a.m., 29.39 inches. Boon Hall as observed by Mr. Scotland, shewed on 9th at 2.30 a.m., 29.601 inches, with an easterly wind of gale force. At Kingston, the lowest reading was 29.624 inches on 7th at 7 a.m. with high easterly wind, at 4 a.m. on 9th, however, the Kingston barometer read 29.669 inches, the wind was more or less SE from 16 to 26 miles per hour, changing to south and SSW during the forenoon of the 9th.

The fall below the mean barometric pressure at Negril Light House, was 0.448 inch, or, barely half an inch, and at Kingston the fall to 29.624 inches, represents only 0.268 inch below the normal. Then, at the hour of the nearest approach of the hurricane to the west of Negril, the barometric gradient between Negril and Kingston (108 miles) was 0.237 inch at 1.30 a.m. on 9th, which is equivalent to 0.0022 inch per mile.

We are much indebted to the prompt transmission of the Cable and Wireless messages sent by the U.S.W.B.; giving warnings to Shipping, of the progress of this exceptional hurricane. There were about twenty storm warnings issued during the period from 31st October to 9th November. The Direct West India Cable Company also rendered every assistance in supplying the Wireless Broadcast messages, during this critical period.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
December 20th, 1932.

TABLE I.—Negril Point Light House, Mr. J. S. Brownhill, Barometer readings, Wind, Clouds, etc., observed during the Hurricane of November, 1932.

Date and Hour.	Bar. Sea-level reading.	Bar. correc. for diur. var.	Wind. m.p.h.	Clouds.	Remarks.
Nov. 5	Ins.	Ins.			
7.00 a.m.	29.772	29.754	NE 8	10 st. E	
3.00 p.m.	.700	.742	N 10	10 st. SE	Thunder Storm to NW 5.30 a.m.
8.00 p.m.	.764	.752	NE 6	10 st. SE	and rain 12.48 p.m.
10.00 p.m.	.759	.736	NE 12	10 st. SE	
Nov. 6					
7.00 a.m.	.702	.684	NE 12	10 st. cu. SE	
11.00 a.m.	.804	.775	NE 15	10 st. SE	
3.00 p.m.	.599	.641	SE 20	10 st. SE	
7.00 p.m.	.670	.673	SE 12		SE rainsqualls, sea swells
9.00 p.m.	.668	.648	E 15	10 st. SE	
11.00 p.m.	.654	.638	N 12	10 st. SE	
Nov. 7					
7.00 a.m.	.621	.603	SE 15	10 st. SE	
11.00 a.m.	.628	.599	SE 20	10 st. cu. SE	
3.00 p.m.	.539	.581	SE 24	10 st. cu. SE	Telegraph lines interrupted 1 p.m.
7.00 p.m.	.601	.604	SE 24	do.	
9.00 p.m.	.640	.620	SE 36	do.	
11.00 p.m.	.640	.624	SE 24	do.	
Nov. 8					
7.00 a.m.	.600	.582	SE 40	do.	High seas from SE
9.00 a.m.	.628	.582	SE 30	do.	
11.00 a.m.	.611	.582	SE 60	do.	
1.00 p.m.	.570	.590	SE 36	do.	
3.00 p.m.	.550	.592	SE 48	do.	
7.00 p.m.	.512	.515	SE 60	10 st. SE	
9.00 p.m.	.529	.509	SE 60	do.	
11.00 p.m.	.503	.487	S 80	do.	
11.30 p.m.	.483	.472	SE 80	do.	
12.00 p.m.	.498	.491	SE 80	do.	
Nov. 9th					
12.30 a.m.	.484	.482	SE 90	do.	
1.00 a.m.	.479	.483	SE 90	do.	
1.30 a.m.	.434	.444	SE 80	do.	
2.00 a.m.	.447	.462	SE 80	do.	Rainsqualls and heavy sea from SE
2.30 a.m.	.437	.455	SE 70	do.	
3.00 a.m.	.445	.466	SE 70	do.	
4.00 a.m.	.513	.532	S 60	do.	
5.00 a.m.	.501	.511	SE 60	do.	
6.00 a.m.	.525	.521	S 60	do.	
7.00 a.m.	.575	.557	SW 60	10 st. NW	
8.00 a.m.	.599	.564	SW 40	do.	
9.00 a.m.	.645	.599	SW 48	do.	
10.00 a.m.	.665	.620	SW 48	do.	
11.00 a.m.	.669	.640	SW 36	do.	
Noon	.663	.659	SW 36	do.	
1.00 p.m.	.652	.672	SW 36	do.	
2.00 p.m.	.658	.698	SW 20	do.	
3.00 p.m.	.652	.694	SW 30	do.	
4.00 p.m.	.672	.712	SW 30	do.	
5.00 p.m.	.688	.720	SW 30	do.	
6.00 p.m.	.710	.730	SW 30	do.	

NOTES.

Almost all the damage to houses and property in the district was caused by the sea; only a few shacks were damaged by the wind. The Light House and buildings sustained no damage from the wind. Heavy seas were responsible for nearly all damages done.

Negril Point Light House anemometer stands about 110 feet above the sea, and the base about 30 feet above sea. It is well exposed, consequently the surface wind must have been of less velocity. The 90 m.p.h. during the early hours of the 9th by the anemometer, may not have been more than say 75 m.p.h. at near the surface or even 25 to 30 feet above the ground.

TABLE II.—Rose Mount, near Montego Bay.—Mr. Edward Foster, F.S.I., Aneroid Barometer readings &c. (not correc. for diur. var.)

Date and Hour.	Aneroid Bar.		Date and Hour.	Aneroid Bar.
	Ins.			Ins.
Nov. 6			Nov. 8	
1.30 p.m.	29.57		(contd.)	
3.30 p.m.	.57		11.20 p.m.	29.46
4.00 p.m.	.56		11.40 p.m.	.45
5.00 p.m.	.57		Nov. 9	
7.00 p.m.	.58		12.30 a.m.	.48
8.30 p.m.	.64		1.45 a.m.	.43
Nov. 7			2.05 a.m.	.41
6.30 a.m.	.57		3.00 a.m.	.39
9.30 a.m.	.62		4.00 a.m.	.41
12 Noon	.61		5.00 a.m.	.41
1.00 p.m.	.57		5.30 a.m.	.43
2.00 p.m.	.54		6.45 a.m.	.47
7.00 p.m.	.56		7.05 a.m.	.48
Nov. 8			7.45 a.m.	.50
6.00 a.m.	.57		8.30 a.m.	.50
9.00 a.m.	.58		9.00 a.m.	.54
1.00 p.m.	.56		10.30 a.m.	.57
3.00 p.m.	.54		11.00 a.m.	.56
7.30 p.m.	.52		12 Noon	.58
9.45 p.m.	.51		1.00 p.m.	.58
10.30 p.m.	.46		2.00 p.m.	.58
10.40 p.m.	29.48		3.00 p.m.	.58
			7.45 p.m.	.69
			8.30 p.m.	.70
			Nov. 10	
			9.30 a.m.	29.81

TABLE III.—“Sandakan,” Boon Hall, St. Andrew (about 1½ mile to NE of Stony Hill), by Mr. J. R. Scotland.

Barometer readings (corrected for diur. var.), Wind, Clouds, &c., from 6th to 10th November, 1932.

Date and Hour.	Barometer Inches.	Wind m.p.h.	Clouds, &c.
	Ins.		
Nov. 6			
7.00 a.m.	29.692	NW 10	Light rain from 6 a.m.
11.00 a.m.	.702	E 14	10 A. st., cloudy, rainsqualls from 9 a.m.
3.00 p.m.	.686	ESE 18	8 A. st., 2 st. ESE, cloudy
Nov. 7			
7.00 a.m.	.641	E 25	8 A. st., 2 cu. SE. Rainsqualls all previous night. Distant Thunder storm to SE 8.30 a.m.
9.00 a.m.	.641	E 25	8 A. st., 2 st. SE, cloudy
1.00 p.m.	.659	E 25	6 A. st., 4 cu. SE, cloudy
3.00 p.m.	.654	E 15	Cloudy
7.00 p.m.	.664	ESE 14	10 A. st. cloudy
Nov. 8			
7.00 a.m.	.687	SE 10	Cloudy, SE rainsqualls 8.35 a.m.
9.00 a.m.	.707	SE 12	10 nim. SE, rain
11.30 a.m.	.693	E 25	10 nim. SE, strong easterly rainsqualls
3.00 p.m.	.696	SE 18	10 st. SE rapid. Cloudy
Nov. 9			
2.00 a.m.	.620	ENE 40	Overcast
2.30 a.m.	.601	E 50	Overcast, no rain
3.00 a.m.	.604	ESE 45	Overcast.
4.00 a.m.	.644	SE 30	Wind in gusts, 40 to 50 m.p.h.
5.00 a.m.	.641	SE 28	do.
7.00 a.m.	.639	E 35	10 st. SE, rainsqualls, river in flood
9.00 a.m.	.659	SE 15	10 nim. SE, rainsqualls
11.00 a.m.	.676	E 25	10 nim, rain
3.00 p.m.	.721	SE 25	10 nim, rain
7.00 p.m.	.743	SE 20	Overcast
Nov. 10			
7.00 a.m.	.747	W 8	3 ci. st., 2 cu. WNW, 5 st. WNW
3.00 p.m.	29.806	W 12	10 ci. st., overcast.

KINGSTON.

TABLE IV.—Barometer readings, wind, etc., during the Hurricane of November, 1932.

Date and hour.	Barom. sea level readings.	Barom. corrected for Diur. Var.	Wind. m.p.h.	Clouds, etc.
Nov. 4	Ins.	Ins.		
3.00 a.m.	29.746	29.767		
6.00 a.m.	.769	.765	Calm	
7.00 a.m.	.789	.771	Calm	6 ci. South, 4 st. NE
9.00 a.m.	.824	.878	N 3	10 ci. st.
1.00 p.m.	.779	.799	N 3	
3.00 p.m.	.748	.790	N 4	3 ci. st., 7 st. S
5.00 p.m.	.761	.793	N 5	
6.00 p.m.	.768	.788	N 2	
7.00 p.m.	.768	.771	N 3	10 st. E
9.00 p.m.	.777	.757	E 10	10 st. E
11.00 p.m.	.780	.764	E 10	10 st. Thunderstorm and heavy sea
Nov. 5				
12.05 a.m.	.770	.766		do.
3.00 a.m.	.720	.741		
5.00 a.m.	.747	.757		
7.00 a.m.	.754	.736	E 3	10 nim. E squally
10.00 a.m.	.790	.736		
Noon	.762	.758	E 15	Rainsqualls
3.00 p.m.	.688	.730		
5.00 p.m.	.704	.736	E 20	do.
7.00 p.m.	.730	.733	E 12	10 sc. and cu. nim. E squalls rain
9.00 p.m.	.793	.773		
Nov. 6				
4.00 a.m.	.660	.679	E 15	Squalls
6.00 a.m.	.680	.676	E 20	do.
7.00 a.m.	.688	.670	E 18	8 sc. SE
9.00 a.m.	.768	.722		Squally
Noon	.631	.627	E 20	
1.00 p.m.	.622	.642	SE 20	
3.00 p.m.	.651	.683	SE 20	10 cu. nim. and nim. E
5.00 p.m.	.645	.677	SE 15	10 nim.
7.00 p.m.	.662	.665	SE 16	10 st. and cu. nim. E
9.00 p.m.	.690	.670	SE 16	
Mt.	.680	.673	SE	
Nov. 7				
3.00 a.m.	.620	.641	SE 20	
7.00 a.m.	.642	.624	E 18	8 st. SE
11.00 a.m.	.692	.663	SE 25	do.
1.00 p.m.	.648	.668	SE 20	
3.00 p.m.	.616	.658	SE 20	10 nim. and cu. nim. SE (rapid)
7.00 p.m.	.660	.663	SE 26	10 cu. nim. SE, squalls
9.00 p.m.	.686	.666	SE	
11.00 p.m.	.700	.684	SE 25	
Nov. 8				
6.00 a.m.	.665	.661	SE	
7.00 a.m.	.700	.682	SE 22	10 cu. nim. SE, squalls
9.00 a.m.	.754	.708	SE 20	10 cu. nim. SE
11.00 a.m.	.734	.705	SE 25	
Noon	.716	.712	SE 24	10 cu. nim. SE
1.00 p.m.	.685	.705	SE 22	10 cu. nim. SE
2.00 p.m.	.657	.692	SE 24	10 cu. nim. SE
3.00 p.m.	.665	.707	SE 21	10 st. and cu. nim. SE, squalls
5.00 p.m.	.670	.702	SE	
7.00 p.m.	.678	.681	SE 24	10 cu. nim. SE
9.00 p.m.	.708	.688		
11.00 p.m.	.710	.694	SE 24	Squalls
Nov. 9				
1.00 a.m.	.677	.681	SE	
4.00 a.m.	.650	.669		
7.00 a.m.	.696	.678	S 26	10 nim. rain
10.00 a.m.	.730	.694	S 20	10 nim. S rapid
3.00 p.m.	.685	.727	SSW 18	10 nim. S
7.00 p.m.	.728	.731	S 4	10 cu. nim. SW
9.00 p.m.	29.770	29.750		

TABLE V.—Morant Point Light House.—Mr. Chas. Durrant.
Barometer readings, etc.

Date and Hour.	Bar. correc. for Diur. var.	Notes.	Date and Hour.	Bar. correc. for Diur. var.	Notes.
Nov. 1	Ins.		Nov. 6	Ins.	
7.00 a.m.	29.867	From 1st to 4th November a north-east gale was blowing, with seas moderate. At 1 p.m. on 3rd the hurricane sea from east over-rode the moderate north-east sea that had been running up to then, and came in very heavy.	3.00 a.m.	29.739	
9.00 a.m.	.876		7.00 a.m.	.728	
3.00 p.m.	.880		9.00 a.m.	.757	
Nov. 2			11.00 a.m.	.766	
7.00 a.m.	.809		3.00 p.m.	.755	
9.00 a.m.	.804		5.00 p.m.	.732	
3.00 p.m.	.814		9.00 p.m.	.740	
Nov. 3			Nov. 7		
2.00 a.m.	.801		2.00 a.m.	.699	
7.00 a.m.	.799		7.00 a.m.	.698	
9.00 a.m.	.796		9.00 a.m.	.701	
11.00 a.m.	.802		11.00 a.m.	.725	
1.00 p.m.	.830	5.00 p.m.	.711		
3.00 p.m.	.830	Nov. 8			
5.00 p.m.	.818	7.00 a.m.	.737	Wind east 25 m.p.h.	
9.00 p.m.	.804	9.00 a.m.	.737	do.	
Nov. 4		3.00 p.m.	.744	Wind SE 22 m.p.h.	
7.00 a.m.	.807	Nov. 9			
9.00 a.m.	.815	7.00 a.m.	.701	Wind south 25 m.p.h.	
3.00 p.m.	.822	3.00 p.m.	29.731	Wind south 30 m.p.h.	
Nov. 5					
4.30 a.m.	.793				
7.00 a.m.	.771				
10.00 a.m.	.790				
3.45 p.m.	29.762	From 5th to 7th November, an easterly gale was blowing with rain-squalls, which at times reached 50 miles per hour.			

No. 672.



JAMAICA WEATHER REPORT.

FOR THE MONTH OF

DECEMBER, 1932.

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.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.980	29.947	79.0	81.0	82.2	76.3	5.9	84.7	20	71.0	19	13.7
Kingston	24	29.944	29.893	70.8	85.8	87.4	69.8	17.6	91.2	21	65.8	13	25.4
Negril Point Light House	33	29.967	29.921	73.8	83.1	86.6	70.9	15.7	89.6	6*	66.1	11*	23.5
Castleton Gardens	496			68.8	78.1	82.7	67.8	14.9	84.0	8*	60.0	13*	24.0
Hope Gardens†	668	30.002	29.911	69.2	83.9	86.4	67.4	19.0	89.0	15*	64.0	30	25.0
Boon Hall	970	29.942	29.892	64.4	80.9	84.1	63.8	20.3	88.0	21*	54.0	30	34.0
Hill Gardens	4,900	25.222	25.214	61.6	63.8	66.7	55.0	11.7	70.0	5	53.0	13*	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.	°	%	°			%	ins.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	72	80	72	75	1.89	366	NE	16.0	NE	15.0	2.3	2.6	0.6	1.0	2.4	0.7
Kingston	24	66	83	69	58	0.11	136	N	4.5	SE	8.8	1.0	0.8	1.7	2.6	3.0	0.9
Negril Point Light House	33	70	88	75	77	2.47	252	NE	10.0	NNE	12.0	1.3	0.8	2.7	2.6	2.5	1.7
Castleton Gardens	496	67	95	74	86	16.98	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	64	85	70	63	0.52	..	..	..	..	..	..	..	..	..	..	..
Boon Hall	970	63	92	67	64	0.76	..	NE	4.0	WNW	9.7	..	..	..	..	..	..
Hill Gardens	4,900	59	87	62	90	5.04	..	..	..	..	..	..	..	..	..	..	..

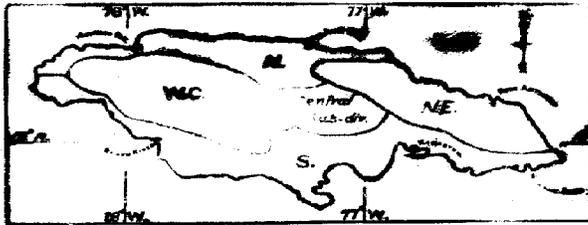
*And on other days. †Hope Gardens Bar. read at 9 a.m. and 3 p.m.

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-divisions; 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.



December, 1932.

STATIONS.	Total Fall.		Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Ins.	Ins.	Amount.	Date.		
NORTH-EASTERN DIVISION. (N.E.)						
Manchioneal	1.45	0.44	11	5	7.25	
Priestman's River	1.70	0.80	20	7	5.59	
Bath	5.04	0.76	1	17	8.68	
Barrett's Gap	12.90	3.90	1	19		
Millbank	30.92	6.65	1	30		
Moore Town	37.72	4.60	1	27	23.75	
Port Antonio	5.58	0.70	19	21	12.43	
Passley Garden	3.36	0.64	19	19		
Fellowship	13.68	1.50	21	28	18.25	
Johnson River Br.	0.42	0.16	10	3	4.73	
Trinity Ville	0.20	0.20	31	1		
Shrewsbury	30.65	4.18	6	29	19.87	
Hope Bay	7.38	0.81	15	28		
Cedar Valley	0.64	0.40	19	4	4.29	
Moy Hall	1.34	0.33	4	13	5.56	
Paradise	27.32	3.02	21	28		
Lennox	11.72	1.64	4	23		
Greenvale	34.08	6.12	1	22	22.57	
Spring Garden	9.54	1.30	5	23	8.06	
Hill Gardens	5.04	1.00	1	14	9.68	
Buff Bay	8.07	1.35	4	18	11.80	
Orange Vale	40.75	4.00	21	25		
Belvedere, Portland	18.10	4.74	6	16	13.85	
Windsor Castle, do.	10.62	1.50	22	17	11.68	
Balcarres	48.61	8.84	1	20		
Mt. Holstein	20.88	5.53	1	27	19.56	
Cedar Hurst	10.21	2.50	2	22		
Hardware Gap	7.50	1.60	1	11	6.29	
Rose Hill	2.29	0.75	7	8	5.06	
Hermitage	0.60	0.20	19	8		
Mount James	8.64	1.90	1	17		
Stony Hill Ind. Sch.	0.11	0.08	14	2	3.81	
Boon Hall	0.76	0.18	19	12		
Brandon Hill	2.79	1.20	1	8		

STATIONS.	December, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Amount.	Date.			
NORTH-EASTERN DIVISION, contd.					
Iter Boreale	6.84	1.70	18	14	..
Enfield	33.41	3.60	20	22	..
Agualta Vale	9.53	1.62	18	24	9.48
Castleton Gardens	16.98	3.70	1	20	12.79
Water Valley	12.73	3.62	19	17	9.46
Albany	10.92	2.62	18	18	9.41
Lawrence Tavern	0.50	0.20	22	3	4.36
Richmond, St. Mary	12.68	2.48	21	17	9.83
Quebec, St. Mary	6.67	1.69	22	14	9.47
Above Rocks	0.35	0.20	20	2	..
Glengoffe	1.10	0.77	2	2	..
Carew Castle	0.83	0.25	19	4	4.70
Hampstead, St. Mary	14.66	1.50	6	30	11.86
Windsor Castle do.	15.69	2.18	1	20	..
Troja	11.76	3.64	20	15	..
Pear Tree Grove	12.63	2.35	21	15	..
Guy's Hill	11.27	2.17	21	21	7.42
Lucky Hill	10.94	1.35	1	23	10.23
Rio Hoe	8.00	1.51	22	21	8.45
Unity Valley	5.87	1.36	21	21	7.25
Moneague	5.55	1.06	22	15	7.25
Claremont	7.89	1.45	21	17	7.78
Averham Park	13.82	2.50	1	23	10.25
Albion	8.87	2.02	22	20	7.86
NORTHERN DIVISION (N).					
Port Maria	5.35	1.25	17	15	7.05
Wentworth	5.56	1.50	18	22	..
Eden Park	6.70	2.75	17	9	..
Oracabessa	7.61	2.00	21	14	..
Huddersfield	6.87	2.70	18	16	..
Ocho Rios	6.09	1.39	18	17	6.62
Bogue, Ocho Rios	7.42	1.74	18	13	8.11
Drax Hall	3.78	1.17	18	13	8.04
Rockfield	10.44	2.40	3	16	9.39
Liberty Hill	7.56	1.00	23	13	7.86
St. Ann's Bay	5.13	1.45	18	17	7.25
Seville	..	..	..	..	7.30
Richmond Estate	3.04	0.95	18	16	7.92
Llandoverly	..	..	..	..	7.83
Runaway Bay	2.81	0.60	11	9	3.39
Knappdale	13.58	1.95	21	23	..
Alexandria	2.45	0.80	22	10	2.67
Bel-Air	4.00	0.45	5	17	..
Brown's Town	12.83	3.37	22	19	8.42
Watt Town, St. Ann.	1.70	1.50	4	5	2.06
Home Castle	6.00	1.00	21	13	7.53
Richmond Pen	1.60	0.40	2	8	..
Bryan Castle	4.35	..	..	12	6.13
Braco	..	..	..	..	5.50
Arcadia	4.25	0.93	21	19	6.65
Vale Royal	4.12	1.00	21	14	7.38
Harmony Hall	1.87	0.40	11	12	5.85
Duncans	2.39	0.31	11	12	..
Clark's Town	5.64	1.98	28	7	..
Falmouth	1.40	0.53	7	4	4.53
Canaan	10.00	3.52	21	15	4.96

STATIONS.	December, 1932.					STATIONS.	December, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	WEST-CENTRAL <i>DIVISION, contd.</i>	Ins.	Ins.			Ins.
Grange	1.25	0.50	26	3	...	Ulster Spring	2.47	0.56	1	10	4.08
Adelphi	5.01	1.83	21	14	...	Marshall's Pen	0.14	0.08	16	3	2.81
Success	1.61	0.38	19	7	3.95	Greenvale	0.18	0.18	19	1	...
Rose Hall	1.48	0.40	19	7	4.64	Albert Town	1.76	0.35	4	11	3.71
Cinnamon Hill	1.43	0.48	19	7	4.66	Craig Head	0.40	0.40	4	1	...
Tryall	1.60	0.40	19	7	3.28	Warsop	0.82	0.29	1	7	...
Running Gut	1.43	0.42	19	6	4.73	Troy	0.00	...	...	0	3.05
Spring Estate	1.45	0.30	19	7	4.51	Wallingford	0.04	0.04	19	1	2.26
Friendship	5.86	2.78	21	13	2.88	Balaclava	0.09	0.09	19	1	2.16
Retirement	6.32	3.28	21	13	2.94	Wakefield	7.86	3.09	21	9	...
Montego Bay	3.52	1.32	21	13	4.26	Maggotty	1.03	0.56	19	2	2.88
Anchovy	3.33	1.69	21	9	2.85	Lacovia	0.56	0.56	19	1	...
Bamboo-Hanover	3.70	1.67	22	9	3.37	Ipswich	1.46	1.16	19	4	...
Blue Hole	4.70	2.00	20	10	2.32	Kempshot	4.42	1.97	22	9	5.03
Kew	2.15	0.55	20	7	3.04	Garlands	1.24	0.33	19	11	...
Lucea	2.97	1.05	21	11	3.37	Mocho, St. James	1.28	0.33	19	10	...
Haughton Court	2.10	0.70	21	7	...	Bandon Pen	2.28	1.29	21	4	...
Cousins Cove	2.05	0.98	20	9	...	Catadupa	0.98	0.63	19	5	2.88
Green Island	1.20	0.40	20	6	2.14	Cambridge, St. Jas.	0.53	0.28	19	7	2.26
Haughton Hall	0.93	0.23	7	9	...	New Market	1.03	0.59	19	4	2.01
CENTRAL SUB- DIVISION.						Kew Park	0.88	0.50	12	3	2.56
Krollis	0.09	0.07	12	2	...	Montpelier	1.48	0.55	21	4	1.75
Highgate	0.75	0.58	19	4	...	The Bog	0.63	0.36	19	3	2.79
Rio Magno	9.69	2.66	21	19	...	Bethel Town Dist.	1.07	0.95	19	2	2.19
Riversdale	1.53	0.35	22	11	...	Burnt Ground	1.19	0.44	21	6	2.99
Headworks, R.C.C.	0.00	...	...	0	2.00	Haughton Grove	0.55	0.22	22	3	2.95
Bog Walk	0.19	0.19	19	1	...	Darliston	0.21	0.21	19	1	2.96
Linstead	0.40	0.31	22	3	3.37	Bluefields	0.32	0.27	19	2	2.67
Ewarton	3.41	1.51	22	6	...	Whithorn	0.26	0.26	31	1	2.49
Cave Valley	0.80	0.20	19	6	3.05	Water Works Pen	1.16	0.91	19	2	2.21
Guanaboa Vale	0.95	0.95	19	1	...	Askenish	1.40	0.40	31	4	2.33
Point Hill	1.83	1.36	19	8	4.43	Grange Hill	1.05	1.02	19	2	3.01
Brown's Hall	4.79	2.00	3	5	3.31	King's Vale	...	...	...	...	2.93
Bellas Gate	1.45	1.45	19	1	0.98	SOUTHERN DIVISION (S.)					
Rock River	0.41	0.15	10	4	...	Morant Point L.H.	1.89	1.10	7	9	5.58
Crofts Hill	0.54	0.25	22	5	2.16	Golden Grove	0.88	0.30	18	6	...
Far Enough	1.27	0.59	22	11	...	Pleasant Hill	2.88	1.30	18	7	4.39
Suttons	0.10	0.10	19	1	...	East Prospect	1.38	0.37	21	8	4.65
Colonel's Ridge	0.34	0.34	26	1	...	Morant Bay	0.55	0.23	21	5	3.96
Chapelton	0.06	0.06	30	1	2.32	Aeolus Valley	0.68	0.28	19	3	...
Crooked River	0.12	0.08	22	2	...	Yallahs	0.00	...	...	...	2.63
James Hill	0.81	0.41	19	5	...	Easington	...	...	...	...	...
Frankfield	0.37	0.25	19	5	2.04	Mavis Bank	...	...	...	...	...
WEST-CENTRAL DIVISION (W.C.)						Bull Bay	0.00	...	...	0	1.07
Mocho, Clarendon	0.00	...	...	0	2.00	Dallas Castle	0.31	0.11	10	5	...
Clarendon Park	0.17	0.08	19	3	...	Gordon Town	0.69	0.48	19	5	2.93
Porus	0.30	0.30	17	1	...	Irish Town	0.58	0.40	19	5	3.11
Borobridge	0.83	0.40	21	3	...	Hope Gardens	0.52	0.26	19	3	2.58
Spaldings	1.22	0.76	19	7	2.13	Waireka	...	...	...	...	...
Williamfield	0.96	0.92	19	2	...	Ivor	...	...	...	...	...
Brokenhurst	0.84	0.29	4	4	3.04	Barbican	0.36	0.18	19	4	...
Shooters Hill	0.70	0.70	19	1	2.16	Plumb Point L.H.	0.00	...	...	0	1.31
Lowe River	2.01	0.58	1	7	3.29	King's House Gar.	0.15	0.10	19	2	1.91
Christiana	0.94	0.50	19	8	2.93	Upper Kingston	1.24	0.17	19	3	0.73
Clifton Hill	0.00	...	...	0	1.57	Kingston P.W.O.	0.11	0.04	4	3	1.41
Kendal, Manchester	0.86	0.86	20	1	2.50	Halfway Tree	0.09	0.05	30	2	1.70
Mereworth	0.85	0.33	19	6	...	Clifton Pen	0.06	0.06	20	1	1.10
Mandeville	0.45	0.12	7	6	2.95	Red Hills	0.20	0.20	22	1	...

STATIONS.	December, 1932.					STATIONS.	December, 1932.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Quarantine Station	0.65	0.65	5	1	0.79	Great Valley, Man.	0.00	...	...	0	2.41
Hematine	0.02	0.02	16	1	1.34	Alligator Pond	0.18	0.18	31	1	1.97
Spanish Town	0.12	0.11	11	2	1.79	Fairfield	0.49	0.20	19	8	2.43
The Stewartry	0.12	0.12	29	1	...	Lititz	0.20	0.20	4	1	1.22
Hog Hole, St. Cath.	0.19	0.7	29	4	1.98	Myersville	...	...	...	...	...
Hartlands	...	...	...	...	1.81	Gilnock	...	...	...	...	...
Old Harbour	0.25	0.21	7	2	2.33	Southfield, St. Eliz.	0.39	0.12	31	5	1.61
May Pen	0.05	0.05	30	1	2.00	Windsor, St. Eliz.	0.92	0.24	6	10	...
Glen Muir	0.00	...	...	0	...	Torrington	0.30	0.30	8	1	2.42
Cottage	0.24	0.12	26	2	...	Unity	0.71	0.50	22	2	...
Belle Plain	0.25	0.20	19	2	...	Santa Cruz	0.26	0.26	19	1	2.60
Milk River	0.00	...	...	0	1.82	Pedro Plains	0.17	0.10	31	2	1.44
Retrieve	0.39	0.39	7	1	1.25	Mountainside	0.00	...	...	0	1.29
Hog Hole, S. Man.	1.32	1.00	6	2	1.83	Fort Charles	0.00	...	...	0	...
Stone's Hope	0.10	0.10	4	1	2.54	Black River	0.50	0.40	21	3	2.22
Newport, Man.	0.79	0.27	19	5	3.02	Font Hill	0.95	0.75	21	3	1.99
						Mount Edgecombe	0.44	0.31	30	2	2.36
						Sweet River	0.30	0.20	26	2	2.22
						Sav.-la-Mar	0.21	0.15	16	2	1.96
						Little London	1.56	0.74	21	5	2.17
						Retreat	2.41	1.39	21	3	2.21
						Negril Point L.H.	2.47	1.40	21	3	1.97

NOTES.

SHOCKS OF EARTHQUAKE IN DECEMBER, 1932.

COMPARATIVE TABLE OF RAINFALL AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	December.				Date.	Standard Time (Approx.)	Intensity.	Notes: where, etc.
	Rainfall.		Rainy Days.					
	1932.	Ave.	1932.	Ave.				
	Ins.	Ins.					None Reported.	
North-Eastern	10.06	10.32	17	14				
Northern	3.54	5.02	9	9				
West-Central	0.93	3.26	4	7				
Southern	0.61	2.22	3	6				
The Island means	3.78	5.21	8	9				

N.B. IT IS PARTICULARLY REQUESTED TO SEND ALL RAINFALL POSTCARDS IN NOT LATER THAN THE 6TH OF EACH MONTH.

THE ISLAND—DECEMBER.

The mean rainfall for the month was below the average. The North-Eastern Division was nearly up to normal, but there was marked deficiency in the other Divisions.

The greatest precipitation appears to have occurred during the first week and again between the 18th and 22nd.

The mean number of rainy days was 8 or one less than the average. The greatest number of rainy days was 30 at Millbank and Hampstead in the North-Eastern Division.

The greatest total fall for the month was 48.61 inches at Balcarres in the North-Eastern Division, and the heaviest fall in 24 hours was 8.84 inches at the same Station on the 1st.

No rain fell at the following Stations:—Headworks R.C.C., Mocho (Clarendon), Clifton Hill, Troy, Bull Bay, Plumb Point Lighthouse, Glen Muir, Milk River, Great Valley, Mountainside and Fort Charles.

The mean rainfall for each parish is given below:—

	Inches.		Inches.
Kingston	0.45	St. James	2.92
St. Andrew	1.58	Hanover	2.08
St. Thomas	2.40	Westmoreland	0.93
Portland	19.62	St. Elizabeth	0.51
St. Mary	11.45	Manchester	0.53
St. Ann	5.55	Clarendon	0.38
Trelawny	2.77	St. Catherine	2.78

THE ISLAND RAINFALL FOR THE YEAR 1932.

The Comparative Table ('A') attached gives the mean monthly rainfall in each Division, with the respective totals, as compared with the 60-year average, and shews a total excess of 2.33 inches.

The mean number of rainy days is also given in this table, and shews an excess of 1 over the 33-year average.

In the first half of the year the rainfall was 16% above the average, but in the second half it was 6% below.

Table (B) gives the mean rainfall in the 14 parishes each month—Portland with 137.58 inches had the highest total for the year, Manchester was next with 90.10 inches and St. Thomas 3rd with 81.16 inches. Kingston with only 25.82 inches was the lowest.

CITY OF KINGSTON.

The total rainfall for December was only 0.11 inch, the 59-year normal being 1.41 inch. The number of rainy days was 3 as against the average of 5 for 49 years. The upper boundary of Kingston gauged 1.24 inch with 3 rainy days. The greatest fall in 24 hours was 0.17 inch on 19th. Distant rain on hills on 4th.

The mean barometric pressure was 29.933 ins., and the 33-year normal 29.941 ins. (or, 0.008 inch below normal). Highest barometer reading 30.014 ins. on 15th at 3 p.m.; and lowest 29.881 ins. on 14th at 7 a.m.

Mean daily temperature, based upon four observations per day, was 77.9 degs.; the 33-year normal being 76.8 degs., shewing 1.1 deg. above the normal. The highest maximum temperature was 91.2 degs. on 21st, and lowest minimum temperature 65.8 degs. on 13th. Then, the lowest maximum was 84.2 degs. on 3rd, and highest minimum 72.8 degs. on 7th. The greatest range of temperature was 22.5 degs. on 30th, and least range 11.8 degs. on 3rd.

The mean daily miles of wind registered was 136, as compared with the 20-year average of 145. The greatest number of miles of wind in one day was 179 on 20th, and the least 98 on 9th.

Distant thunderstorm to northward on 19th at 12.45 p.m.

Mean relative humidity, for the month, 73%, as compared with the 33-year normal of 80%, shewing 7% below the normal, owing, possibly, to the small rainfall. The mean 7 a.m. was 83% and the mean 3 p.m. 58% lowest 7 a.m. 75% on 13th, 28th, and 30th, and lowest 3 p.m. 39% on 21st.

The sky was overcast in the early forenoon on 10 occasions, and in the afternoon (about 3 p.m.) on 19 occasions.

The total evaporation for December was 4.15 ins., and the 9-year normal 4.25 ins.

There was a complete lunar halo on 4th at about 8.50 p.m., and a partial one on 10th at 9 p.m.

Mean daily number of sunshine hours

CAYMAN ISLANDS

Government House, Georgetown, Grand Cayman.—Total fall for December, 1932, 0.32 inch. Greatest fall in 24 hours 0.28 inch on 28th with 4 rainy days.

CITY OF KINGSTON—METEOROLOGICAL RESULTS FOR YEAR 1932.

The usual Table (C) giving the meteorological results for the year 1932 is appended. The mean barometric pressure for 7 a.m. was 29.914 ins., and for the 3 p.m. 29.869 ins. Then, by applying the correction for the diurnal variation, we derive a mean of 29.902 ins., which is 0.030 inch below the 33-year normal of 29.932 ins.

The year 1932 has shown, consistently, for each month, a barometric pressure below the normals, as tabulated as follows:—

	Inch.		Inch.
January	0.009	July	0.032
February	0.012	August	0.034
March	0.039	September	0.026
April	0.057	October	0.013
May	0.027	November	0.056
June	0.037	December	0.009

Giving a mean for the whole year, 1932, of 0.029 inch below the normal. There were marked maximum departures of extremes in the month of April of 0.057 inch, and in November of 0.056 inch below. Then, on the other hand, the months of January and December shew 0.009 inch below the normals.

Similar conditions of low pressure prevailed in the year 1931, when the mean for that year also shews 0.029 inch below the normal.

These departures below the means were also noticeable at Negril Point Light House which lies about 110 miles to the westward of Kingston.

For the ten years previous (to year 1931) the mean annual pressure varied only by a small extent below the normal. These exceptional figures of low area may possibly be attributed to the frequent atmospheric disturbances occurring during the past two years. Also, to some extent, to the year's rainfall for the Island, being above the normal in both years 1931 and 1932.

The month of January recorded the highest mean pressure of 29.965 ins., and November the lowest mean of 29.836 ins. owing to a great hurricane in the Caribbean during the early days of November.

The mean temperature, based upon four observations per day, was 79.2 degs., or 0.5 deg. above the 33-year normal of 78.7 degs. The highest maximum temperature was 93.8 degs. on September 17th and the lowest minimum 63.7 degs. on February 22nd. The greatest monthly extreme range was 26.2 degs. in March and the least range 20.0 degs. in November. The mean monthly extreme range was 22.8 degs. or 0.3 deg. less than the year previous.

The anemometer records shew a mean total miles of wind per day of 180 as against the 20-year annual normal of 182. The months of March, April and November were above the 20-year normals the remainder of the months were below. The maximum mean of 233 miles occurred in June and the minimum means of 136 occurred in December.

The mean relative humidity for the 7 a.m. observations was 82% corresponding with the normal of 82% and for the 3 p.m. 72% (normal 69%). The general mean for the year shews 77% or 2% below the 33-year normal of 79%.

The rainfall as registered at the Public Works' building Port Royal Street for the year was 21.95 ins.; the 59-year normal being 31.57 ins. shewing a deficiency of 9.62 ins. Each month was below the normal with the exception of April. The rainfall for October was 4.82 ins. and shews the greatest for the year. February gauged only 0.07 inch. The total number of rainy days, however was 87 as against the average of 79. The monthly greatest number of rainy days was 14 in October and the least one in March. The upper boundary of Kingston (148½ East Street, which is about one mile to the NE of the rainguage at the Public Works Building) registered a total for the year of 29.71 ins. with 99 rainy days.

The amount of cloudiness for the year corresponds with the average.

Total amount of evaporation for 1932 was 64.36 ins. as compared with the 9-year average of 72.52 ins.

General notes as to weather conditions, otherwise, are given at the end of Table (C).

J. F. BRENNAN,
Government Meteorologist.

Kingston.

January 17th, 1933.

TABLE (A.)—THE ISLAND RAINFALL, 1932 (In inches.)

Month.	Divisions.				The Island.		Rainy Days.	
	N.E.	N.	W.C.	S.	1932.	Average 60 years.	Means for 1932.	Average for 33 years.
January ..	5.42	2.06	1.59	1.40	2.62	4.00	7	8
February ..	1.54	0.60	0.53	0.59	0.82	3.13	4	7
March ..	1.49	1.84	2.71	0.87	1.73	3.35	5	8
April ..	15.75	8.45	14.52	9.40	12.05	4.77	15	9
May ..	13.20	8.79	11.10	6.71	9.95	8.52	13	12
June ..	7.64	7.23	9.91	7.52	8.08	6.60	12	10
July ..	4.42	3.41	7.76	2.44	4.51	4.76	10	9
August ..	7.11	6.32	8.35	4.46	6.56	6.93	12	11
September ..	6.13	3.75	7.53	4.59	5.50	7.94	10	13
October ..	9.66	6.24	12.23	9.39	9.38	10.14	15	14
November ..	17.23	9.32	11.11	6.34	11.00	8.20	12	12
December ..	10.06	3.54	0.93	0.61	3.78	5.21	8	9
Total 1932 ..	99.65	61.55	88.27	54.41	75.97	..	123	
Total 60-year Average ..	99.75	55.65	87.50	51.64	..	73.64	..	122

TABLE (B)—MEAN RAINFALL FOR EACH PARISH FOR YEAR 1932 (IN INCHES).

Parish.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Kingston	0.62	0.12	0.39	2.80	2.97	3.31	0.63	3.19	2.29	5.77	3.28	0.45	25.82
St. Andrew	1.97	0.45	0.67	8.38	6.84	3.52	2.73	6.51	5.62	9.90	10.33	1.58	58.50
St. Thomas	3.51	1.21	0.72	14.73	10.74	10.87	2.48	5.51	4.72	15.10	9.17	2.40	81.16
Portland	8.36	2.63	2.19	23.74	19.45	9.10	6.04	8.66	6.84	11.33	19.62	19.62	137.58
St. Mary	7.33	1.60	1.54	13.23	9.41	5.79	1.68	4.97	3.95	5.17	12.94	11.45	79.06
St. Ann	3.17	0.52	1.59	10.13	10.52	6.27	2.51	4.17	4.97	4.15	10.52	6.55	65.07
Trelawny	0.97	0.35	1.98	10.38	8.17	6.11	2.88	5.16	5.08	5.71	9.19	2.77	58.75
St. James	1.22	0.17	2.99	8.55	8.38	7.91	6.52	10.62	4.50	7.72	11.39	2.92	72.89
Hanover	2.00	0.13	2.67	6.82	11.17	8.58	7.05	9.94	6.08	12.93	5.91	2.08	75.36
Westmoreland	2.41	0.54	2.30	11.84	10.95	5.86	11.19	8.75	7.20	9.24	6.03	0.93	77.24
St. Elizabeth	1.40	0.50	2.05	12.12	7.60	6.52	3.30	4.41	5.60	9.68	6.68	0.51	60.37
Manchester	1.20	0.83	1.38	13.26	10.26	18.23	2.77	5.76	6.30	14.44	15.14	0.53	90.10
Clarendon	0.82	0.60	1.01	11.59	8.11	10.71	4.11	5.31	4.20	10.70	11.58	0.38	69.12
St. Catherine	1.75	0.77	1.24	10.28	8.79	5.43	4.65	4.99	5.40	8.21	7.83	2.78	62.12

KINGSTON, JAMAICA.—TABLE (C)—METEOROLOGICAL RESULTS FOR THE YEAR 1932.

(FOR ELEVATIONS, SEE FOOT NOTE.)

Month.	Barometer Pressure.		TEMPERATURE. (FAH.)							Extremes for Month.			Dewpoint and Relative 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.	Inch.			No.
January	.978	.923	76.5	69.1	84.8	86.2	67.9	18.3	90.2	64.3	25.9	64	68	0.41	4	
February	.980	.930	75.7	68.3	84.0	85.5	66.9	18.6	88.7	63.7	25.0	62	68	0.07	2	
March	.941	.893	77.5	71.9	84.3	85.8	70.0	15.8	91.5	65.3	26.2	65	69	0.22	1	
April	.898	.854	78.4	74.8	83.0	86.0	72.0	14.0	88.8	68.6	20.2	70	84	2.84	12	
May	.900	.856	79.7	76.7	84.9	87.2	72.0	15.2	91.2	67.9	23.3	70	79	2.91	12	
June	.906	.870	81.2	78.8	85.6	88.3	74.2	14.1	91.2	70.7	20.5	71	79	3.09	9	
July	.936	.895	81.7	77.8	87.1	90.2	73.7	16.5	92.3	71.1	21.2	69	76	0.86	2	
August	.899	.867	80.9	77.2	85.7	89.0	73.8	15.2	92.0	70.3	21.7	71	81	2.94	11	
September	.874	.828	82.2	77.6	87.6	90.2	75.3	14.9	93.8	72.4	21.4	71	81	1.01	8	
October	.864	.818	79.6	75.1	84.6	87.6	73.1	14.5	92.2	69.1	23.1	71	88	4.82	14	
November	.845	.802	79.0	74.7	84.3	86.3	72.7	13.6	89.3	69.3	20.0	69	84	2.67	9	
December	.944	.893	77.9	70.8	85.8	87.4	69.8	17.6	91.2	65.8	25.4	66	83	0.11	3	
Means	29.914	29.869	79.2	74.4	85.1	87.5	71.8	15.7	91.0	68.2	22.8	68	82			
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	21.95	87

NOTE:—Observations were made at 1484 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. 76th Meridian Time adopted.

Kingston, 1932—*Mean Results, contd.*

Month.	Wind Miles per diem.	Wind from and Miles per hour.			Clouds in tenths.						Weather Conditions, etc.
		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	150	N.N.E. 5.3	S.E. 9.8	N.N.E. 5.0	1.1	1.3	0.5	3.6	1.4	0.6	On the whole a fine month. Distant rain to E on 29th. Distant lightning to N.E. on 17th. Thunderstorm to N on 19th. S.E. wind continued throughout on 31st. Fresh "norther" on 9th, 10th, 12th, and 13th. Complete lunar halo on 9th.
February	170	N.N.E. 4.5	S.E. 13.7	N. 4.0	1.2	2.1	0.5	1.9	0.0	0.1	On the whole a fine month, but rainfall only one-ninth of normal. "Northers" fresh to gentle occurred on 27th, 28th and 29th. S.E. wind continued till late on 3rd, 7th, 11th, 14th and 23rd.
March	196	N.N.E. 5.4	S.E. 14.5	N.N.E. 5.6	2.1	3.2	0.9	1.0	0.8	0.0	Rainfall about a quarter of normal. A fine but dry month, somewhat hazy in early morning, particularly the first part of month. S.E. wind late on 5th, 7th, 22nd, 23rd and 27th, throughout on 6th and 17th moderate norther on 14th and 30th. There was a marked low barometer about the 6th when the barometer showed two-tenths below the normal. A moderate gale swept the northern coast of the island at that time chiefly from southward. Slight earthquake on 9th at 9:38 p.m.
April	187	N.E. 6.2	S.E. 14.6	N.N.E. 4.8	2.3	5.1	0.4	1.9	1.7	1.6	Rainfall nearly double the normal. Rain to N. on 9 days, N.E. 5 days, W. 1 day, S.W. 1 day. Distant lightning to N.E. 25th and 26th. Thunderstorm to N. on 25th, 28th, 29th and 30th, to W. on 25th, N.W. on 22nd and 27th. S.E. wind late on 9 occasions and throughout on 18 and 19th. S.E. rainsquall on 29th. Overcast early morning 12 occasions and at 3 p.m. 24 occasions. Complete lunar halo on 29th.
May	202	N.N.E. 5.5	S.E. 15.5	N.N.E. 4.7	2.1	3.3	1.0	1.7	1.4	1.0	Rainfall about three-quarters of normal. Maximum temperature above 90 degs. on 4 occasions. Minimum below 70 degs. on 5 occasions. Distant rain to N on 5 days, to N.E. 2 days, N.W. 1 day. Distant lightning at night on a few occasions. Thunderstorm to N. on 1st, 2nd, 4th, 6th and 17th, to N.E. on 3rd and 4th, S.E. on 18th, N.W. on 29th. Local thunderstorm on 4th. S.E. wind early on 5 occasions and late on 17 occasions. S.E. squall on 3rd and 6th.
June	293	E.S.E. 7.5	S.E. 17.1	E. 6.1	2.2	3.7	1.4	1.7	3.3	2.8	Rainfall slightly below normal. Rain to N. 3 days, N.E. 3 days, E. 3 days, S.E. 2 days, and N.W. 1 day. Distant lightning in the evenings on many occasions particularly vivid on 1st to N.E. Distant thunderstorm to N. 7 days, N.E. 2 days, E. 3 days, S.E. 10 days, S.W. 2 days. Local thunderstorm on 24th. S.E. rainsquall, on 3rd, 9th, 20th and 21st. Maximum temperature 90 degs and above on 7 days. Moderate earthquake on 6th at 6:51 a.m., 2 seconds duration. Dense haze on 29th and 30th.
July	204	N. 3.7	S.E. 20.2	N.N.E. 3.4	0.0	3.0	0.5	1.6	2.4	2.4	Rainfall about one half of the 59-year normal. Rain on hills to N. 5 days, N.E. 5 days, N.W. 3 days. Distant lightning frequent at nights. Distant thunderstorm to N. 8 days, N.E. 3 days, N.W. 4 days. Local thunderstorm on 22nd and 24th. S.E. squall on 22nd and 24th. Dense haze to 3rd. Lunar halo on 22nd. Maximum 90 degs. or above on 19 days. Minimum above 70 degs. throughout.
August	164	N.N.E. 4.2	S.E. 13.8	N.N.E. 3.8	1.0	4.6	0.8	1.6	2.2	1.9	Rainfall about 80% of normal. Rain on hills on Liguanea on 8 days, to N. on 8 days, E. on 8 days, N.E. 4 days, seaward on 24th. Distant lightning on evenings of 2nd, 19th, 20th, 21st and 25th. Distant thunderstorm to N. on 10 days, N.E. 2 days, E. on 2 days, E.S.E. 2 days, seaward 2 days, N.W. 1 day. Local thunderstorm on 15th. S.E. squall on 18th, 22nd and 30th. Partial solar halo on 6th.

(Continued on page 11.)

Kingsport, 1932—Mean Rainfall, contd.

Month.	Wind from and Miles per hour.			Clouds, in tenths.						Weather Conditions, etc.	
	Wind Miles per diem.	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.		
September	164	N.E. 4.5	S.E. 12.5	N.E. 4.0	0.9	2.2	0.5	2.2	1.5	1.8	Rainfall slightly more than a quarter of normal. Rain to N. on 8 days, N.E. 2 days, W. 1 day, N.W. 1 day. Distant lightning to N.E. 4 days, E. 2 days. Distant thunderstorm to N. 7 days, N.E. 3 days, E.S.E. 2 days, N.W. 4 days. Local thunderstorm on 11th and 15th. S.E. Rainsquall on 2nd and 29th.
October	146	N.E. 4.5	S.E. 9.9	N.N.E. 4.8	2.2	3.9	0.4	1.5	2.6	2.5	Rainfall about seven-tenths of normal. Distant rain to N. 11 days, N.E. 6 days, S.E. 1 day, W. 1 day, N.W. 4 days. Distant lightning on many nights. Distant thunderstorm to N. on 6 days, N.E. 4 days, E.S.E. 3 days, S.E. 1 day, S.W. 2 days, N.W. 3 days. Local thunderstorm on 3rd and 19th, S.E. squall on 6th, 11th, 12th, 13th and 21st.
November	213	N.N.E. 9.1	S.E. 10.6	N.E. 8.0	2.1	3.6	2.5	2.8	1.6	0.9	Rainfall a little below normal. Distant rain to N. 3 days, N.E. 3 days, Seaward 1 day. General rain around with rainsqualls at intervals at time of the hurricane in the Caribbean (4th to 9th). Distant thunderstorm to N. on 28rd, N.E. on 8rd, S.W. on 27th. Moderate local thunderstorm on 3rd. S.E. wind changing to S. throughout the night from 5th to 8th with high southerly wind on the 8th and 9th. Moderate northerly from 11th to 14th and from 27th to 28th varying from 10 to 18 miles per hour. High seas from 4th to 9th.
December	136	N. 4.5	S.E. 8.8	N. 5.0	1.0	2.6	0.8	3.0	1.7	0.9	Rainfall very much below normal. Distant rain on hills on 4th. Distant thunderstorm to N. on 19th. Complete lunar halo on 4th and partial lunar halo on 10th.
Means	180	N.E. 5.4	S.E. 13.4	N.N.E. 4.9	1.5	3.2	0.8	2.0	1.8	1.3	Rainfall for year deficient.