

QC  
987  
J25  
W34  
1941

LIBRARY  
AUG 21 2001



Gift  
MAY 10 1941  
Editor

JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
JANUARY, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)					Extreme Temperature. (F.)				
		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 ft.	ins. 30.005	ins. 29.965	° 76.8	° 80.4	° 82.3	° 74.7	° 7.6	° 85.9	° 18	° 65.5	° 10	° 20.4
Kingston	24	29.969	29.920	70.1	83.6	86.2	68.6	17.6	91.0	1	61.2	13	29.8
Negril Point Light House	33	29.970	29.928	71.7	81.0	83.9	69.2	14.7	86.3	7	58.0	13	28.3
Montego Bay†	33	..	..	69.8	82.6	85.3	66.4	18.9	91.0	17	56.0	13	35.0
Castleton Gardens*	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens *	668	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue*	..	..	..	..	..	..	..	..	..	..	..	..	..
Mountains	4,900	..	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.		3 p.m.			
Morant Point Light House	8 ft.	° 73	% 86	° 74	% 81	ins. 5.31	Mls. 320	Dir. NE	m.p.h. 13.0	Dir. NE	m.p.h. 10.0	L. 3.7	M. 2.2	U. 0.5	L. 3.1	M. 2.4	U. 0.7
Kingston	24	65	82	68	61	2.99	182	NNE	6.8	SE	10.6	1.2	2.2	0.5	2.4	2.7	0.5
Negril Point Light House	33	66	82	63	54	2.32	174	Var.	6.5	Var.	8.9	1.3	1.2	1.0	3.7	1.0	0.4
Montego Bay	33	67	92	74	76	10.43	..	ENE	2.0	NE	7.0	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

\* Hope Gardens—observations made at 9 a.m. and 3 p.m.

† Montego Bay—observations made at 8 a.m. and 3 p.m.

# **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](mailto:www.reference@nodc.noaa.gov).

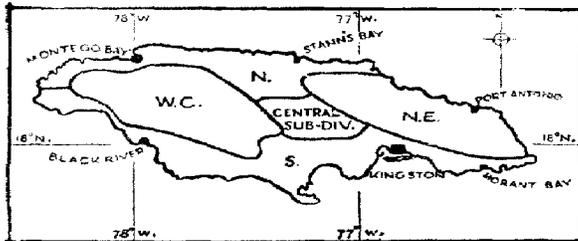
LASON  
Imaging Subcontractor  
12200 Kiln Court  
Beltsville, MD 20704-1387  
March 28, 2002

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



January, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal	9.40	4.00	14	8	5.61
Ecclesdown	19.54	10.07	14	25	
Priestman's River	10.26	3.20	14	10	5.66
Bath	8.32	4.61	14	16	6.12
Barrett's Gap	8.87	5.84	14	13	
Millbank	15.59	5.90	14	17	
Comfort Castle					
Moore Town	12.55	2.50	15	17	16.89
Port Antonio	19.42	13.50	14	14	8.71
Passley Garden	16.33	10.30	14	22	
Fellowship	16.90	8.60	14	22	12.54
Johnson River Br.	8.72	7.42	14	11	3.30
Trinity Ville	8.66	5.93	14	8	
Fruitful Vale	7.45	2.23	14	13	
Hope Bay	10.06	2.98	14	17	
Cedar Valley	11.07	6.05	14	7	3.65
Paradise					
Lennox	16.10	2.50	5	16	
Greenvale	6.14	1.00	15	14	20.33
Darley	8.73	3.40	14	15	
Spring Garden	6.88	2.00	14	8	8.92
Hill Gardens	4.17	3.72	14	15	7.10
Buff Bay	8.42	1.53	20	13	9.33
Buff Bay R. Est.	6.42	1.20	20	12	
Belvedere, Portland	9.28	1.60	20	14	12.41
Windsor Castle, do.	6.48	1.52	14	15	6.37
Balcarres	7.07	1.08	27	16	
Mt. Holstein	3.15	0.84	14	12	16.06
Cedar Hurst	3.15	1.34	14	16	
Hardware Gap	4.13	1.17	14	10	5.70

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Rose Hill	3.99	1.36	15	12	4.11
Mount Cressy	3.12	0.90	14		
Hermitage	1.96	1.05	14	9	
Mount Airy	1.72	0.98	14	5	
Stony Hill Ind. Sch.	3.21	1.39	14	8	2.96
Boon Hall	2.15	1.37	14	7	
Brandon Hill	1.59	0.67	13	5	
Enfield	6.83	1.20	1	14	
Agualta Vale	3.84	0.87	14	14	7.44
Castleton Gardens	3.79	1.15	19	9	9.29
Water Valley	4.62	1.00	15	14	7.96
Albany					4.63
Lawrence Tavern	2.58	0.71	14	9	2.69
Wey Hill	1.84	0.60	14	8	
Richmond, St. Mary	2.57	0.45	1	10	7.20
Quebec, St. Mary	9.77	4.65	20	10	6.36
Above Rocks	3.94	1.25	19	8	
Glengoffe	2.90	1.30	14	5	
Carew Castle	2.59	0.86	14	5	2.72
Hampstead, St. Mary	5.30	0.90	20	12	10.18
Windsor Castle do.	3.31	0.80	15	10	
Troja	1.99	0.50	14	6	
Pear Tree Grove	2.65	1.50	15	8	
Guy's Hill	3.80	1.00	14	9	6.24
Lucky Hill	4.75	1.42	1	11	7.45
Rio Hoe	4.14	1.12	15	9	5.76
Unity Valley	6.01	2.70	15	14	4.93
Moneague	3.03	1.33	15	12	4.84
Claremont	3.85	0.80	1	9	5.91
Averham Park	8.20	2.00	3	22	7.06
Albion	3.72	0.73	14	10	5.37
<b>NORTHERN DIVISION (N)</b>					
Port Maria	9.86	5.50	20	11	5.85
Wentworth					
Jacks River	9.88	6.20	20	12	
Oracabessa	13.69	9.37	20	11	
Huddersfield	6.96	6.00	20	3	
Exchange	11.41	4.34	20	10	
Ocho Rios	8.48	4.65	20	13	4.73
Rockfield	7.22	2.14	20	17	7.67
Liberty Hill	3.73	1.25	20	18	6.53
St. Ann's Bay	10.84	6.63	20	14	5.22
Richmond Estate	12.12	5.90	20	15	5.82
Runaway Bay	7.51	4.92	20	9	2.85
Knapdale	4.50	1.55	1	11	
Alexandria	0.35	0.13	1	3	2.79
Bel-Air	7.55	4.80	20	11	
Brown's Town	3.42	1.45	1	9	6.01
Wilton	5.83	3.30	20	13	
Watt Town, St. Ann	2.45	0.61	14	7	2.82
Home Castle	8.70	6.30	20	5	5.52
Stewart Town	3.36	2.04	20	10	
Arcadia	5.08	2.75	20	6	4.76
Vale Royal	5.87	2.34	20	12	5.03
Harmony Hall					4.02
Duncans	5.99	3.42	20	7	
Clark's Town	6.21	2.60	20	12	
Falmouth	9.61	4.80	19	11	3.82

STATIONS.	January, 1941.					STATIONS.	January, 1941.				
	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.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	6.41	2.59	19	6	..	Mereworth	5.17	1.55	15	8	..
Barrett Hall	..	..	..	..	..	Mandeville	4.20	1.18	15	7	3.03
Success	..	..	..	..	2.12	Ulster Spring	1.79	0.74	20	8	3.42
Rose Hall	..	..	..	..	3.42	Greenvale	4.49	1.53	19	9	..
Cinnamon Hill	..	..	..	..	3.49	Albert Town	1.24	0.35	20	4	2.31
Tryall	..	..	..	..	2.12	Craig Head	2.37	1.19	19	3	..
Running Gut	..	..	..	..	3.54	Warsop	2.55	1.75	19	8	..
Spring Estate	..	..	..	..	3.83	Troy	2.50	1.50	1	3	2.02
Friendship	9.11	5.71	19	9	3.74	Wallingford	3.71	2.69	19	11	1.80
Retirement	8.81	5.34	19	9	3.51	Balaclava	2.59	1.34	19	9	1.81
Rose Mount	9.21	5.20	20	9	..	Braes River	3.30	1.60	20	6	..
Montego Bay	10.43	4.89	20	8	2.88	Wakefield	4.56	1.14	20	9	..
Anchovy	4.72	2.98	19	9	2.85	Aberdeen	3.03	1.21	19	9	..
Hopewell	9.67	4.54	19	8	..	Accompong	..	..	..	..	..
Blue Hole	8.45	5.10	20	7	3.15	Maggotty	6.74	1.86	3	12	2.90
Cascade	10.62	5.61	19	7	..	Lacovia	3.90	1.70	19	3	..
Lucca	9.06	6.62	20	10	3.13	Mulgrave	3.17	0.75	3	11	..
Haughton Court	8.86	6.75	20	7	2.58	Holland	5.31	1.27	19	10	..
Kendal—Hanover	0.48	0.48	23	1	..	Ipswich	2.82	1.60	20	9	..
Cousins Cove	8.32	5.69	20	13	..	Ginger Hill	3.86	1.40	23	9	..
Green River	5.59	2.83	20	6	..	Kempshot	5.41	2.50	20	7	3.76
Green Island	6.45	4.04	20	5	2.38	Mochó, St. James	2.16	0.87	15	4	..
Haughton Hall	4.86	2.74	20	7	..	Catadupa	2.30	0.82	6	9	2.36
CENTRAL SUB-DIVISION.						Cambridge	1.67	0.28	6	9	2.33
Knollis	5.97	2.77	15	4	..	New Market	2.85	0.73	20	10	2.47
Highgate (St. Cath.)	5.73	2.14	15	11	..	Springfield	4.59	1.12	15	7	..
Rio Magno	2.95	1.25	15	8	..	Kew Park	2.05	0.42	6	10	2.28
Riversdale	3.68	1.90	15	6	..	The Bog	2.42	0.59	20	14	2.73
Headworks, R.C.C.	4.78	2.71	15	8	1.62	Bethel Town Dist.	3.78	1.10	21	8	3.41
Bog Walk	2.36	1.00	15	3	..	Burnt Ground	3.33	0.88	20	9	2.58
Linstead	4.59	2.38	15	7	2.30	Haughton Grove	6.30	1.30	3	10	3.04
Ewarton	2.91	1.53	15	5	..	Knoekalva	1.45	0.43	20	6	..
Cave Valley	1.72	0.94	15	4	2.21	Darliston	4.78	1.03	22	11	2.93
Guanaboa Vale	4.32	2.65	15	7	..	Bluefields	1.48	0.42	2	7	2.81
Point Hill	4.54	2.50	14	7	3.41	Whithorn	1.10	0.70	20	2	2.38
Brown's Hall	8.55	2.20	5	7	2.25	Water Works Pen	2.01	0.60	9	8	2.03
Bellas Gate	8.50	3.14	15	9	1.66	Williamsfield, Wld.	1.69	0.40	10	9	..
Rock River	2.52	1.60	15	4	..	Petersfield	0.77	0.25	15	5	..
Crofts Hill	3.23	1.27	15	5	2.06	Baulk	1.81	0.51	20	10	..
Kellit's	3.81	1.64	15	7	..	Askenish	9.70	5.00	19	8	3.48
Suttons	6.33	2.06	15	..	..	Grange Hill	2.53	0.58	19	10	2.55
Colonel's Ridge	4.65	2.28	15	6	..	Mount Eagle	2.43	0.67	20	9	..
Chapelton	3.84	2.05	15	6	2.09	King's Vale	5.62	2.72	19	4	3.05
Crooked River	3.24	0.71	9	7	..	SOUTHERN DIVISION.					
James Hill	2.38	1.04	14	7	..	(S.)					
Frankfield	3.58	1.75	15	4	1.45	Morant Point L.H.	5.31	1.90	14	12	4.16
WEST-CENTRAL DIVISION (W.C.)						Golden Grove	8.71	4.10	14	15	..
Mochó, Clarendon	3.28	0.54	15	9	2.00	Pleasant Hill	5.28	1.85	14	12	4.83
Thompson Town	4.55	1.44	15	11	..	East Prospect	6.50	4.38	14	12	3.99
Clarendon Park	..	..	..	..	..	Morant Bay	7.21	6.73	14	8	2.84
Porus	4.61	1.17	9	6	..	Lloyds	5.26	3.94	14	11	..
Borobridge	3.88	1.70	15	8	..	Yallahs	4.42	4.00	14	4	..
Spaldings	4.85	2.20	15	7	2.70	Easington	3.92	3.12	14	4	1.60
Williamsfield	5.69	1.79	15	9	..	Mavis Bank	..	..	..	..	..
Brokenhurst	6.77	2.48	15	11	3.08	Bull Bay	3.95	3.19	14	2	0.73
Shooter's Hill	..	..	..	..	2.05	Dallas Castle	6.65	2.50	14	11	..
Wait-a-bit	3.64	0.66	15	17	..	Gordon Town	3.98	1.55	14	6	3.20
Christiana	4.00	1.23	15	7	2.37	Irish Town	4.76	0.80	14	11	2.22
Holmwood	3.91	0.90	15	8	..	Hope Gardens	..	..	..	..	1.79
Clifton Hill	5.80	1.80	14	6	2.10	Bamboo Pen	3.90	2.57	14	5	..
Kendal, Manchester	3.86	1.20	14	5	2.24	Plumb Point L.H.	3.60	3.45	14	2	0.74

STATIONS.	January, 1941.					STATIONS.	January, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd..</b>	Ins.	Ins.			Ins.
King's House Gar.					1.35	Newport, Man.	4.19	1.31	9	6	2.56
Up-Park Camp	3.44	2.24	14	4		Alligator Pond	2.84	1.62	25	3	1.39
Cavaliers	3.23	1.70	15	5		Myersville	4.02	1.41	25	7	
St. George's College	3.74	2.14	14	5		Goshen	6.49	1.41	25	7	
Upper Kingston	3.06	2.10	14	7	0.55	Munro	4.24	1.26	25	13	
Parade Garden						Windsor, St. Eliz.	5.33	1.30	19	12	
Kingston P.W.O.	2.99	1.87	14	5	0.87	Torrington	2.10	1.35	19	4	2.26
Constant Spring	2.79	1.22	15	3		Santa Cruz	5.23	2.37	20	9	2.51
Halway Tree	2.63	1.25	14	5	0.97	Hounslow	2.66	0.74	25	7	
Clifton Pen	3.84	2.08	14	4	0.71	Pedro Plains					1.60
Seaward Pen	3.25	2.05	14	5		Mountainside	6.64	2.05	20	9	1.64
Red Hills	4.03	1.97	14	7		Fort Charles	1.03	0.44	25	3	
Quarantine Station					0.65	Black River	4.06	1.67	20	9	1.62
Hematine	3.06	2.09	15	6	1.12	Mt. Charles	7.98	2.17	20	12	
Spanish Town	2.98	2.16	15	5	1.32	Font Hill					1.76
Hog Hole, St. Cath.	5.35	3.15	15	5	1.54	Mount Edgecombe	3.05	0.83	20	13	2.07
Old Harbour	2.50	1.50	15	4	2.03	Sav-la-Mar	1.47	0.85	3	8	1.66
May Pen	2.13	1.16	15	7	1.36	Little London	3.60	0.84	4	10	1.90
Glen Muir	1.95	1.00	15	4		Retreat	2.24	0.96	4	6	1.82
Cottage	1.03	0.43	15	3		Negril Point L.H.	2.32	0.75	5	9	1.73
Belle Plain	3.27	1.00	15	6							
Milk River	0.74	0.49	14	2	1.75						
Retrieve	2.46	1.00	14	4	1.21						
Stone's Hope	3.00	1.07	14	8	2.42						

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	January.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern	6.62	7.68	12	13
Northern	6.45	3.67	8	8
West-central	3.66	2.80	8	6
Southern	3.68	1.83	7	6
The Island means	5.10	4.00	9	8

SHOCKS OF EARTHQUAKE IN JANUARY, 1941.

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

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

## THE ISLAND—JANUARY.

The mean rainfall for the Island was much above normal in all Divisions, except the North-Eastern, which was somewhat below the average.

The heaviest precipitation appears to have occurred on the 14th, 15th and 20th.

The greatest total fall for the month was 19.54 inches at Ecclesdown in the North-Eastern Division and the heaviest fall in 24 hours was 13.50 inches at Port Antonio, in the same Division, on the 14th.

The mean number of rain days was 9, the average for the month being 8. Ecclesdown in the North-Eastern Division, with 25, had the most.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 10.44 inches, was highest; St. Thomas, with 7.10 inches, next; and Hanover, with 6.25 inches, was third. Westmoreland, with 2.32 inches was lowest.

Parish.	1941.	10-year average.	Parish.	1941.	10-year average.
	inches.	inches.		inches.	inches.
Kingston ..	3.35	0.55	St. James ..	6.02	1.93
St. Andrew ..	3.41	2.27	Hanover ..	6.25	2.38
St. Thomas ..	7.10	3.43	Westmoreland ..	2.32	2.46
Portland ..	10.44	10.76	St. Elizabeth ..	4.20	1.91
St. Mary ..	6.22	6.27	Manchester ..	4.22	2.24
St. Ann ..	5.97	4.25	Clarendon ..	3.29	1.60
Trelawny ..	4.37	2.40	St. Catherine ..	4.05	2.30

## CITY OF KINGSTON.

The total rainfall for the month of January, 1941, was 2.99 inches as against the 60-year normal of 0.87 of an inch, or about 3 times the normal. There are but only two occasions when a January rainfall, during the past 70 years exceeded this fall, viz.:—in January 1878, 5.47 inches and January 1886, 3.49 inches. There were 5 days with rain and most of this rain fell shortly after the norther of the 10th and 11th January. The greatest fall in 24 hours was 1.87 inches on the 14th. The upper boundary of Kingston gauged 3.06 inches with seven rain days.

The several directions in which distant rain was observed are, to northward 3, to north-eastward, 2; and to east once.

Distant lightning was seen to the north on the evening of the 20th at 10 p.m.

A brisk norther was experienced between the 10th and 11th as described below.

The mean barometric pressure was 29.958 inches, the 33-year normal being 29.974 inches or 0.016 inch below the normal. Highest reading 30.026 inches on the 7th at 3 p.m., and the lowest, 29.865, on the 28th at 7 a.m.

Mean temperature, based upon four observations daily, was 76.6°, the 33-year normal being 75.8° or 0.8° above the normal.

The extreme maximum was 91.0° on the 1st, and the extreme minimum 61.2° on the 13th, (shortly after the norther ceased) shewing an extreme monthly range of 29.8°. On the other hand, the lowest maximum was 82.6° on the 13th, and the highest minimum was 77.6° on the 18th. The greatest range of temperature was 23.9° on the 1st, and the least range 8.1° on the 16th. Maximum was above 90° once, on the 1st, and the minimum below 70°, 23 times.

The mean daily miles of wind registered was 182 as against the 25-year average of 163, or about 12% above the average. The greatest number of miles of wind recorded in 24 hours was 470 on the 11th, and the least, 75 on the 1st. Greatest hourly velocity 32 m.p.h. on the 11th at 1.30 a.m.

Mean relative humidity 74%, the 33-year normal being 78%. Mean 7 a.m., 82%, and mean 3 p.m. 61%. Lowest 7 a.m., 58% on the 11th, and 12th, and lowest 3 p.m. 41% on the 12th at about the time of the "norther".

Overcast conditions prevailed ten times in the early forenoon and eighteen times in the afternoon.

Total evaporation for the month 6.53 inches, the 10-year normal being 5.06 inches.

Mean daily number of sunshine hours, 7.5.

## THE "NORTHER" OF JANUARY 10TH-12TH, 1941.

Brisk to high northerly winds are occasionally experienced over Jamaica, generally confined to the last two months and the first two months of the year. They may be felt only in certain areas, or "lanes" as described or throughout the entire Island extending to far regions to the northward or southward in the Caribbean, and are known to persist in rare cases during a period of 3 or 4 days and nights.

The norther of January, 1941, was reported to have extended over most places of the Island, causing appreciable damage to cultivation where high winds occurred.

At Kingston it was also felt, lasting about 3 days. The following are notes of instrumental observations made at the time. On the 10th Jan. at 7 a.m. the barometric pressure indicated 0.07 of an inch below the normal of 29.97 inches, but regained normal during the afternoon of the 12th.

The following give the minimum air temperature from the 10th to the 13th:—

10th	68.4°	12th	63.9°
11th	64.4°	13th	61.2°

It will be seen that just after the disappearance of this norther, the temperature dropped to 61.2° which is about 6 degrees below the normal minimum for January.

The mean relative humidity was as follows:—

	7 a.m.	3 p.m.
10th January	83%	54%
11th "	58%	44%
12th "	58%	41%

Then the surface wind particulars as derived from the recording instruments are as follows:—

Date.	Hour.	Direction.	Vel. m.p.h.
January 10th	7 a.m.	NW	11
January 10th	Noon	NW	13
January 10th	3 p.m.	NW	18
January 10th	Midnight	NW	14
January 11th	2 a.m.	N	32
January 11th	7 a.m.	N	25
January 11th	3 p.m.	NW	16
January 12th	7 a.m.	N	15
January 12th	3 p.m.	N	5

Norther ended about early part of the 12th. It will be seen that the greatest velocity attained was 32 miles per hour from north.

The total miles of wind recorded for 24 hours as follows:—

Jan. 9th	287 miles
" 10th	470 "
" 11th	292 "

The total for the 10th (470) represents more than three times the normal wind.

After the ending of this norther there was a rainfall of 1.87 inches on the 14th and 0.63 of an inch on the 15th.

There was considerable rain throughout the Island from Morant Bay and Golden Grove to the eastward, and to Sav-la-Mar to westward on the 14th and 15th January from reports received.

In connection with this norther it may prove of some interest by giving the Upper Air Observations made at Kingston during the early morning of the 11th and 12th January, by means of pilot balloons, so as to arrive at the wind direction and velocity at successive altitudes above the ground level up to about 2½ and 4 miles.

*On the 11th January—*

The pilot balloon was released at 7.47 a.m. and lost at an altitude of 2½ miles and gives the following results:

	Altitude.	Direction.	Velocity mean.
From surface to	600 ft	N	22 miles per hour
" 600 ft to	1,300 ft	N	32 " "
" 1,300 ft to	1,900 ft	N	16 " "
" 1,900 ft to	4,400 ft	SE	6 " "
" 4,400 ft to	11,400 ft	NW & NNW	34 " "

It will be seen that the wind gained velocity near to 1,300 ft. altitude, gradually decreasing to 4,400 ft. altitude, and finally resuming a velocity of 34 miles per hour. The balloon was lost from low elevation angle and to distance. The sky was clear at the time.

*On the 12th January—*

On the 12th January, another ascent was made. The balloon was released at 7.59 a.m. and attained an altitude of 6,390 metres or about 20,760 feet, nearly 4 miles, and on account of its proximity to the sun was lost from view.

The following data were derived.

	Altitude.	Direction.	Mean velocity, m.p.h.
Surface to	2,000 ft.	N	15
2,000 ft. to	3,800 ft.	SE	5
3,800 ft. to	5,640 ft.	N	8
5,640 ft. to	9,000 ft.	NW	9
9,000 ft. to	10,800 ft.	SW	4
10,800 ft. to	15,000 ft.	NNW & WNW	16
15,000 ft. to	21,750 ft.	WNW	40

Similar to ascent of the 11th the velocity increased to 15 m.p.h. at 2,000 ft. altitude, then decreased shortly after at 3,800 ft. to 5 m.p.h., and from a point of 10,800 altitude to the highest altitude of 21,750 feet the velocity increased from 4 m.p.h. up to 40 miles per hour.

At 7 a.m. the sky was partly cloudy with Cirrus from the SW.

It is usually found that in January the upper air reverse currents are met at a much lower altitude than in the summer months, hence the 40 m.p.h. wind at 21,750 ft. may not concern the norther at the time.

NEGRIL POINT LIGHTHOUSE.

A table on pages 7 and 8 giving the Meteorological results for Negril Point Lighthouse, situated at the extreme western point of the Island, for the year 1940 is appended.

The extreme maximum temperature was 92.0° on the 20th July and the extreme minimum was 65.7° on the 27th of February. The greatest range of temperature was 24.0° in the month of November and the least range was 18.5° in the month of September.

The greatest monthly rainfall was 9.33 inches in May, the average for 35 years being 6.25 inches, shewing 3.08 inches in excess. The least was 1.25 inches in April as against the 35-year average of 2.92 inches. The total number of days with appreciable rain was 121 for the 12 months. The year's total rainfall was 46.18 inches as against the 35-year normal of 54.09.

The daily average wind recorded was 144 miles. The highest daily average was 185 in February and the lowest was 104 in August.

The observations were conducted by Mr. Donald Levy, J.P., the Superintendent of the Lighthouse.

(Sgd.) J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
February 20th, 1941;

NEGRIL POINT, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR, 1940.

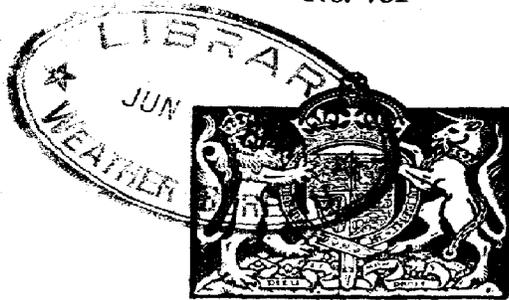
FOR ELEVATION, See Foot Note.

Month.	Barometer Pressure.		TEMPERATURE (FAH.)							Extremes for Month.				Dewpoint and Relative Humidity.		Rainfall.	
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range.	7 a.m.	3 p.m.	Actual Fall	Av. for 35 yrs.	No. of Rain-Days.	
																	Ins.
January	.30.011	.29.958	76.0	72.1	81.1	82.7	68.7	14.0	88.0	65.8	22.2	69	71	2.98	1.73	8	
February	.29.977	.937	75.8	72.9	80.3	82.2	69.8	12.4	86.5	65.7	20.8	68	69	1.84	1.86	4	
March	.951	.902	78.0	75.4	82.5	84.8	71.1	13.7	88.0	66.3	21.7	68	70	2.31	2.77	9	
April	.953	.903	79.0	77.5	83.7	85.8	71.4	14.4	90.3	67.0	23.3	69	70	1.25	2.92	6	
May	.904	.874	80.4	79.4	84.0	87.2	72.9	14.3	89.5	68.3	21.2	72	72	9.33	6.25	11	
June	.941	.911	81.0	80.5	84.3	88.1	73.2	14.9	91.0	70.0	21.0	71	75	4.33	5.51	9	
July	.973	.941	81.8	80.1	86.0	89.2	74.0	..	92.0	68.5	23.5	72	76	3.77	5.83	16	
August	.931	.900	81.1	78.7	85.2	88.7	73.7	15.0	91.0	71.3	19.7	74	83	3.64	6.50	16	
September	.861	.821	81.1	79.2	85.3	88.1	73.9	14.2	90.8	72.3	18.5	72	80	..	6.71	11	
October	.868	.820	79.8	77.3	83.8	86.8	73.3	13.5	89.5	68.3	21.2	72	84	4.06	8.21	12	
November	.896	.848	79.7	75.5	84.7	88.0	72.6	15.4	90.5	66.5	24.0	71	83	2.49	3.83	8	
December	.922	.884	78.0	74.0	82.7	85.4	71.8	13.6	89.3	66.4	22.9	69	87	5.74	1.97	11	
Means	.29.932	.29.892	79.3	76.9	83.6	86.4	72.2	14.2	89.7	68.0	21.7	71	81	..	..	..	
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	46.18	54.09	121	

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 33 ft. Height of Thermometer above ground 4 ft. 6 in. Height of Rain Gauge above the ground 6 ft. 6 in. Height of Anemometer above the ground of 94 ft. to the 31st May, 1935, and 22 ft. above ground from 1st June, 1935.

NEGRIL POINT—*Mean Rainfall, contd., for year 1940.*

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	178	NE 4.8	Var. 8.2	NNE 5.6	2.1	2.9	0.3	0.1	1.4	1.5	Clear, 14; Cloudy, 9; overcast, 8; rain, 8. Brisk northerly from 21st to 28th, very cold with heavy seas. Dist. thunder, 2 days.
February	185	NE 6.0	Var. 8.0	NNE 7.0	0.9	0.6	1.7	3.0	0.7	0.8	Clear, 20; cloudy, 5; overcast, 4; rain, 4 days.
March	166	E 6.0	Var. 9.0	E 6.0	1.3	2.3	0.3	0.7	0.8	0.4	Clear, 18; cloudy, 5; overcast, 5; rain, 9; thunderstorm, 1 day.
April	141	ENE 4.0	Var. 8.0	E 5.0	0.1	1.2	1.1	2.7	0.3	1.1	Clear, 10; cloudy, 12; overcast, 8; rain, 6; dist. thunder, 1 day;
May	182	NE 3.0	Var. 8.0	NE 2.8	0.4	2.1	0.5	3.0	3.7	1.2	Clear, 9; cloudy, 12; overcast, 8; rain, 11; dist. thunderstorm, 5 days.
June	139	SE 3.4	SE 8.4	ENE 4.3	0.0	3.2	0.2	3.2	2.4	0.4	Clear, 4; cloudy, 15; overcast, 11; rain, 9; thunder, 2; thunder and lightning, 7 days.
July	113	NE 3.5	Var. 9.0	NNE 3.0	0.0	2.8	0.3	2.3	2.1	1.9	Clear, 4; cloudy, 15; overcast, 9; rain, 16; thunderstorms throughout the month.
August	104	NE 4.4	Var. 7.3	NE 3.2	0.1	3.2	0.8	3.8	3.7	1.2	Clear, 9; cloudy, 16; overcast, 6; rain, 16; thunder and lightning throughout the month.
September	148	E 4.0	SE 9.0	NE 4.5	0.5	2.8	1.0	2.4	4.5	1.8	Clear, 4; cloudy, 19; overcast, 7; rain, 11; thunder and lightning, 10 days.
October	120	NE 5.1	N 7.6	NE 4.0	0.5	3.5	1.9	1.7	4.0	2.2	Clear, 3; cloudy, 21; overcast, 7; rain, 12; thunder and lightning, 5 days.
November	141	NE 5.0	Var. 6.9	NE 5.7	0.4	2.0	2.0	3.4	2.1	0.5	Clear, 4; cloudy, 18; overcast, 8; rain, 8; heavy seas, 1 day.
December	163	NE 6.0	Var. 8.0	ENE 6.0	1.8	2.4	1.7	4.7	2.0	0.7	Clear, 7; cloudy, 8; overcast, 16; rain, 11; thunderstorm, 1 day; heavy seas with high winds, 3 days.
Means	144	NE 4.6	Var. 8.1	NE 4.8	0.7	2.4	1.0	2.6	2.3	1.1	Rainfall for the year 46.18 inches with 121 rainy days. Rainfall 7.91 inches below the average.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
FEBRUARY, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)					Extreme Temperature. (F.)				
		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	29.972	29.930	76.7	80.9	83.4	74.9	8.5	87.9	11	69.3	10	18.6
Kingston	24	29.935	29.893	70.4	83.6	86.1	69.4	16.7	89.4	19	64.6	2	24.8
Negril Point Light House	33	29.929	29.888	71.4	81.5	83.1	69.7	13.4	87.3	19	59.3	13	28.0
Montego Bay†	33	..	..	70.4	89.2	85.7	66.9	18.8	90.0	23	57.9	13	32.1
Castleton Gardens*	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens *	668	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue* Mountains	4,900	..	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	L.	M.	U.	L.
Morant Point Light House	8	73	87	75	80	2.20	284	ENE	12.0	ENE	10	3.1	3.0	0.7	2.5	3.9	0.8
Kingston	24	60	83	70	65	6.93	190	NNE	6.6	SE	11.0	1.2	1.2	0.6	3.6	0.7	0.9
Negril Point Light House	33	66	85	71	69	2.09	178	ENE	6.0	Var.	8.4	0.6	2.1	0.7	1.8	2.2	0.6
Montego Bay	33	67	90	75	76	3.34	..	ESE	3.0	NE	7.0	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

\* Hope Gardens—observations made at 9 a.m. and 3 p.m.

† Montego Bay—observations made at 8 a.m. and 3 p.m.

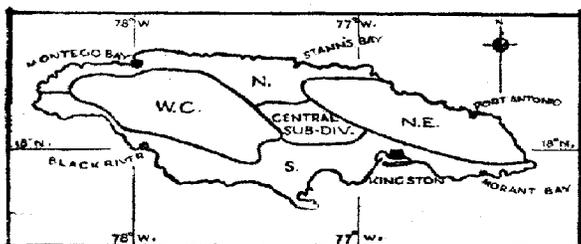
‡ Not taken—

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



February, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
February, 1941.					
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	7.48	3.03	10	4	5.07
Ecclesdown	15.75	5.51	10	17	...
Priestman's River	6.08	3.30	10	12	4.42
Bath	8.01	3.75	9	9	4.24
Barrett's Gap	9.65	4.45	9	9	...
Millbank	10.73	4.00	11	9	...
Comfort Castle	...	...	...	...	...
Moore Town	8.95	2.50	11	15	12.67
Port Antonio	11.15	5.50	10	10	5.80
Passley Garden	9.01	4.64	10	14	...
Fellowship	11.99	5.32	10	15	9.87
Johnson River Br.	6.32	1.37	11	11	2.33
Trinity Ville	7.01	1.95	9	8	...
Fruitful Vale	8.61	3.46	10	10	...
Hope Bay	8.75	3.00	10	10	...
Cedar Valley	13.44	4.42	9	8	2.54
Paradise	...	...	...	...	...
Lennox	14.70	4.00	10	11	...
Greenvale	4.92	1.46	10	8	12.12
Darley	12.44	5.20	11	13	...
Spring Garden	11.42	3.50	11	10	5.64
Hill Gardens	14.52	5.95	11	12	4.27
Buff Bay	11.14	3.90	10	12	7.54
Buff Bay R. Est.	10.41	3.70	10	10	...
Belvedere, Portland	8.67	2.60	12	10	9.61
Windsor Castle, do.	...	...	...	...	5.59
Balcarres	11.53	4.34	11	9	...
Mt. Holstein	7.65	3.12	12	5	8.70
Cedar Hurst	11.05	3.46	11	12	...
Hardware Gap	10.96	4.50	11	7	3.99
February, 1941.					
NORTH-EASTERN DIVISION, contd.					
Rose Hill	9.51	3.20	11	...	4.48
Mount Cressy	12.59	3.56	11	10	...
Hermitage	9.99	4.10	11	8	...
Mount Airy	9.03	3.46	11	11	2.32
Stony Hill Ind. Sch.	...	...	...	...	...
Boon Hall	7.11	3.27	11	4	...
Brandon Hill	8.74	2.76	11	8	...
Enfield	3.38	2.26	11	11	5.12
Agualta Vale	10.15	4.20	11	4	5.31
Castleton Gardens	5.05	1.45	11	10	4.81
Water Valley	...	...	...	...	4.62
Albany	6.64	2.64	11	6	2.48
Lawrence Tavern	6.12	2.98	11	6	...
Wey Hill	5.05	2.30	11	6	4.41
Richmond, St. Mary	8.17	2.14	28	8	4.37
Quebec, St. Mary	6.67	2.77	11	7	...
Above Rocks	8.12	2.25	11	8	...
Glengoffe	7.07	3.90	11	4	2.22
Carew Castle	...	...	...	...	...
Hampstead, St. Mary	5.95	2.15	11	7	6.29
Windsor Castle do.	5.28	2.25	11	7	...
Troja	5.00	2.70	11	4	...
Pear Tree Grove	5.89	1.85	11	7	...
Guy's Hill	6.04	2.30	11	5	3.96
Lucky Hill	7.62	3.73	11	8	4.95
Rio Hoe	8.50	5.55	11	7	3.88
Unity Valley	8.23	5.46	11	12	3.55
Moneague	7.27	4.81	11	9	3.97
Claremont	8.27	4.80	11	6	3.96
Averham Park	12.47	7.00	11	8	4.46
Albion	9.85	5.65	11	7	3.63
February, 1941.					
NORTHERN DIVISION (N)					
Port Maria	7.78	2.22	28	9	5.00
Wentworth	...	...	...	...	...
Jacks River	9.06	2.81	11	9	...
Oracabessa	11.03	4.00	11	10	...
Huddersfield	6.98	3.75	11	6	...
Exchange	9.57	7.50	11	3	...
Ocho Rios	8.28	3.56	11	6	3.48
Rockfield	7.01	4.14	11	6	5.22
Liberty Hill	2.35	1.05	12	4	4.46
St. Ann's Bay	7.59	3.65	11	6	4.60
Richmond Estate	6.66	4.21	11	6	4.10
Runaway Bay	3.05	2.25	11	3	2.26
Knapdale	4.27	2.55	12	4	...
Alexandria	5.22	2.25	11	5	2.93
Bel-Air	5.15	3.70	11	5	...
Brown's Town	7.19	4.70	11	7	4.29
Wilton	6.73	3.90	11	6	...
Watt Town, St. Ann	6.12	2.95	11	6	2.90
Home Castle	7.75	4.00	11	5	3.30
Stewart Town	5.32	3.84	11	6	...
Arcadia	4.60	2.60	11	6	2.61
Vale Royal	4.31	2.68	11	6	2.59
Harmony Hall	...	...	...	...	...
Duncans	3.44	1.77	11	3	...
Clark's Town	4.15	2.63	11	4	...
Falmouth	5.50	3.12	11	4	1.82

STATIONS.	February, 1941.					STATIONS.	February, 1941.				
	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.	Amount.					Date.	Ins.		
<b>NORTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>WEST-CENTRAL DIVISION, contd.</b>	Ins.	Ins.			Ins.
Adelphi	4.20	3.26	11	5		Mereworth	11.24	6.25	11	13	
Barrett Hall	3.90					Mandeville	9.66	4.63	11	11	2.68
Success	3.68				2.23	Ulster Spring	3.82	1.70	11	8	3.43
Cornwall	3.68					Greenvale	8.19	5.15	11	11	
Rose Hall	2.09				2.36	Albert Town	4.56	3.50	11	5	3.06
Cinnamon Hill	2.18				2.54	Craig Head	6.32	5.68	11	2	
Tryall	1.95				1.53	Warsop	2.10	0.69	28	5	
Running Gut	1.71				2.17	Troy	5.10	4.20	11	5	3.09
Spring Estate	1.75				2.44	Wallingford	5.99	4.00	11	10	3.43
Friendship	3.26	2.20	11	8	2.27	Balaclava	1.93	3.30	11	8	2.50
Retirement	4.30	2.63	11	6	1.29	Braes River	4.44	3.30	11	4	
Rose Mount	3.16	1.25	12	6		Wakefield	7.00	4.90	11	9	
Montego Bay	3.34	1.76	11	10	1.83	Appleton	7.40	6.20	11	7	
Anchovy	3.18	1.94	11	8	1.41	Aberdeen	6.91	5.41	11	5	
Hopewell	4.39	2.50	11	7		Accompong	8.04	4.79	11	5	
Blue Hole	4.51	2.00	11	4	3.79	Maggotty	7.93	4.30	11	7	3.45
Cascade	6.44	2.53	11	7		Lacovia	2.51	1.58	11	5	
Lucea	2.39	1.64	11	7	3.36	Mulgrave	9.40	5.60	11	8	
Haughton Court	2.86	1.84	11	5	2.13	Holland					
Kendal—Hanover	2.51	1.20	11	6		Ipswich	5.81	3.62	11	5	
Cousins Cove	1.43	0.74	18	11		Ginger Hill	8.76	6.21	11	8	
Green River	1.91	1.30	11	13		Kempshot	4.48	2.95	11	7	2.71
Green Island	1.59	1.17	11	5	2.12	Garlands	9.66	8.15	11	4	
Haughton Hall						Mocho, St. James	11.01	7.83	4	4	
<b>CENTRAL SUB-DIVISION.</b>						Catadupa	10.94	7.00	11	7	3.11
Knollis	4.29	2.17	11	6		Cambridge	4.44	2.78	11	10	3.23
Highgate (St. Cath.)	8.35	4.00	11	9		New Market	6.83	6.00	11	7	4.05
Rio Magno	5.63	2.90	11	5		Springfield					
Riversdale	6.23	2.41	11	6		Kew Park	5.69	4.06	11	9	2.84
Headworks, R.C.C.	6.98	3.10	11	6	1.64	The Bog	9.14	6.00	11	9	4.05
Bog Walk	4.78	1.87	11	8		Bethel Town Dist.	5.68	4.36	11	6	4.02
Linstead	5.03	2.28	11	7	2.17	Burnt Ground	3.07	1.69	11	6	2.67
Ewarton	5.61	3.60	11	4		Haughton Grove	5.60	2.55	11	8	2.92
Cave Valley	8.40	5.73	11	6	2.14	Knockalva	4.45	0.84	17	12	
Guanaboa Vale						Darliston	5.83	4.39	11	6	3.62
Point Hill	4.87	3.25	11	6	3.37	Bluefields	10.29	6.30	11	5	3.73
Brown's Hall	2.90	0.90	10	5	2.18	Whithorn	3.56	1.64	11	5	3.03
Bellas Gate	5.13	2.21	11	9	1.67	Water Works Pan	4.68	2.50	11	5	3.20
Rock River	5.56	3.85	11	6		Williamsfield, Wld.	2.13	1.50	11	5	
Crofts Hill	6.89	3.55	11	7	1.47	Petersfield	3.47	1.76	11	5	
Kellit's	8.73	4.80	11	7		Baulk	2.72	0.65	17	6	
Suttons	3.98	2.19	11	7		Askonish	4.74	1.87	11	8	3.06
Colonel's Ridge	9.36	5.06	11	9		Grange Hill	2.45	1.13	11	7	2.75
Chapelton	7.45	3.71	11	10	1.58	Mount Eagle	2.89	1.16	11	6	
Crooked River	8.55	4.94	11	7		King's Vale	1.62	1.03	11	5	2.62
James Hill	6.71	4.15	11	7							
Frankfield	7.49	4.50	11	9	2.29	<b>SOUTHERN DIVISION.</b>					
<b>WEST-CENTRAL DIVISION (W.C.)</b>						(S.)					
Mocho, Clarendon	10.01	5.28	11	11	1.66	Morant Point L.H.	2.29	0.85	10	9	2.73
Thompson Town	14.26	8.55	11	11		Golden Grove					
Porus	13.35	7.20	11	11		Pleasant Hill	4.75	1.32	10	9	2.53
Borobridge	6.47	5.00	11	7		East Prospect	5.15	1.60	9	12	2.52
Spaldings	8.25	5.93	11	9	2.83	Morant Bay	2.63	0.89	9	5	1.95
Williamsfield	11.70	3.15	23	10		Lloyds	3.98	1.35	10	9	
Brokenhurst	10.45	6.36	11	11	2.47	Yallahs	3.11	1.34	11	4	
Shooter's Hill	11.82	5.90	11	9	2.18	Easington	4.26	1.85	11	3	1.36
Wait-a-bit	7.90	5.45	11	12		Mavis Bank	13.04	5.09	11	13	
Christiana	7.03	4.93	11	11	2.61	Bull Bay	6.04	3.68	11	4	0.42
Holmwood	5.80	4.95	11	7		Dallas Castle	9.23	3.65	11	8	
Clifton Hill	12.55	6.09	11	8	2.68	Gordon Town	14.23	8.04	11	7	1.77
Kendal, Manchester	10.91	5.93	11	5	2.49	Irish Town	12.22	4.40	11	5	1.65
						Hope Gardens					1.25
						Plumb Point L.H.	7.18	4.30	11	4	1.65

STATIONS.	February, 1941.					STATIONS.	February, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar. . . . .					1.22	Milk River . . . . .	3.55	1.96	11	6	1.20
Up-Park Camp . . . . .	7.58	3.54	11	6		Retrieve . . . . .	5.98	2.22	11	5	1.76
Cavaliers . . . . .	7.72	4.45	12	6		Stone's Hope . . . . .	8.68	5.20	11	6	2.15
St. George's College . . . . .	8.24	2.67	11	6		Newport, Man. . . . .	9.80	6.22	11	8	2.55
Upper Kingston . . . . .	7.69	3.72	11	7	0.89	Alligator Pond . . . . .	3.50	2.90	11	3	1.33
Parade Garden . . . . .						Myersville . . . . .	4.26	3.42	11	4	
Kingston P.W.O. . . . .	6.93	3.33	11	6	0.61	Goshen . . . . .	4.55	3.71	11	4	
Constant Spring . . . . .	7.84	3.28	12	6		Munro . . . . .	4.08	3.10	11	11	
Halfway Tree . . . . .	7.33	3.48	11	5	0.85	Windsor, St. Eliz. . . . .	3.97	2.12	11	11	
Clifton Pen . . . . .	8.55	4.59	11	6	0.64	Torrington . . . . .	3.83	2.80	11	4	2.45
Seaward Pen . . . . .						Santa Cruz . . . . .	6.08	5.10	11	5	2.47
Red Hills . . . . .	12.67	4.50	11	9		Hounslow . . . . .	1.85	1.42	12	2	
Quarantine Station . . . . .	5.26	3.50	11	6	0.44	Pedro Plains . . . . .	2.41	2.41	11	1	1.38
Lorne . . . . .	7.40	3.45	11	4		Mountainside . . . . .	4.32	3.70	11	4	2.27
Tulloch Pen . . . . .	8.10	3.25	11	4		Fort Charles . . . . .	2.87	2.87	11	1	
Salt Pond Hut . . . . .	6.25	3.13	11	4		Black River . . . . .	3.53	3.25	11	3	1.70
Hematine . . . . .	5.56	3.16	11	7	1.43	Mt. Charles . . . . .	4.53	3.72	12	5	
Spanish Town . . . . .	6.15	3.40	11	9	1.33	Font Hill . . . . .					1.84
Hog Hole, St. Cath. . . . .	6.57	3.25	11	7	1.72	Mount Edgecombe . . . . .	8.05	6.57	11	6	2.47
Old Harbour . . . . .	6.47	4.93	11	7	1.77	Sav.-la-Mar . . . . .	2.69	1.82	11	6	2.08
May Pen . . . . .	4.49	2.56	11	8	1.77	Little London . . . . .	2.68	1.38	11	5	3.12
Glen Muir . . . . .	5.50	3.00	11	6		Retreat . . . . .	2.15	1.40	11	5	2.71
Cottage . . . . .	3.50	1.81	11	5		Negril Point L.H. . . . .	2.09	0.85	11	6	1.86
Belle Plain . . . . .	7.11	3.55	11	7							

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	February.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern . . . . .	8.47	5.48	9	10
Northern . . . . .	4.79	2.48	6	6
West-central . . . . .	6.63	2.84	7	7
Southern . . . . .	5.69	1.72	6	6
The Island means	6.40	3.13	7	7

SHOCKS OF EARTHQUAKE IN FEBRUARY, 1941.

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

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

## THE ISLAND—FEBRUARY.

The mean rainfall for the Island was more than double the normal, the average being exceeded in all Divisions. The heaviest precipitation occurred from the 9th to the 12th, and particularly on the 11th.

The greatest total fall for the month was 15.75 inches at Ecclesdown, in the North-eastern Division, and the heaviest fall in 24 hours was 8.04 inches at Gordon Town, in the Southern Division on the 11th.

The mean number of rain days was 7, which is the average for the month. The greatest number was 17 at Ecclesdown, in the North-eastern Division.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 10.12 inches, was highest; St. Andrew, with 9.42 inches, next; and Manchester, with 9.19 inches, third. Hanover, with 3.39 inches was lowest.

Parish.	1941.	10-year average	Parish.	1941.	10-year average
	inches.	inches.		inches.	inches.
Kingston ..	7.51	0.61	St. James ..	4.36	2.20
St. Andrew ..	9.42	2.51	Hanover ..	3.39	1.93
St. Thomas ..	5.88	2.70	Westmoreland ..	4.48	2.90
Portland ..	10.12	7.77	St. Elizabeth ..	5.09	3.31
St. Mary ..	6.67	4.93	Manchester ..	9.19	3.09
St. Ann ..	7.14	3.45	Clarendon ..	7.10	2.26
Trelawny ..	4.82	2.76	St. Catherine ..	7.40	2.57

## CITY OF KINGSTON.

The total rainfall for the month of February was 6.93 inches as compared to the 70-year normal of 0.62 of an inch. This is the highest record for February for the past 70 years and represents over eleven times the normal. The next highest was 3.93 inches in February 1879. Most of this rain fell from the 9th to the 12th when a total of 6.47 inches was gauged. There were 6 rain days. The upper boundary of Kingston gauged a total of 7.69 inches of which 7.13 inches fell between the 9th and 11th February. There were seven days with appreciable rain. At the Public Works Office, the heaviest rainfall in 24 hours was 3.33 inches on the 11th.

The several directions in which distant rain was observed are as follows:—To north 3 days, to N.E. 3, to East 2, to S.E., South and West one day each.

Distant lightning to East early morning of the 12th. Distant thunderstorm to North on 9th. Local thunder on 12th at 3.30 a.m.

The mean barometric pressure was 29.928 inches, the 33-year normal being 29.981 inches, or 0.053 inch below normal. Highest reading 29.996 inches on the 20th at 3 p.m. and the lowest 29.819 on the 9th at 7 a.m. (corrected for diurnal variation) with heavy rainfall following.

The mean temperature was 76.9°, the 33-year normal being 75.7°, shewing 1.2° above the normal. Extreme maximum, 89.4° on the 19th; and the extreme minimum 64.6° on the 2nd, giving a monthly range of 24.8°. On the other hand, the lowest maximum was 77.5° on the 12th, and the highest minimum 76.2° on the 7th. The maximum was below 90° throughout and the minimum 70°, or above, 9 times. The greatest daily range was 22.8° on the 19th and the least range 9.1° on the 12th.

The mean daily miles of wind registered was 190, the 25-year normal being 174, (9% above normal). Greatest number of miles recorded was 339 on the 9th. (followed by heavy rainfall), and the least was 92 on the 4th. South-easterly wind blew early once, continued after 7 p.m. on 8 occasions, and throughout the night 3 times. Greatest velocity 36 m.p.h. on the 28th at 11.45 a.m. Moderate to fresh northers at intervals from the 10th to 13th.

The mean relative humidity was 78%, the 33-year normal being also 78%. Mean 7 a.m., 83% and mean 3 p.m. 65%. Lowest 7 a.m., 70%, on the 13th; and lowest 3 p.m., 48%, on 19th.

Overcast conditions prevailed in the forenoon on 6 occasions and in the afternoon 11 times.

Total evaporation for the month of February 6.47 inches, the 10-year average being 4.90 inches.

Mean daily number of sunshine hours 7.6.

## OMISSIONS IN WEATHER REPORTS,

(Page 5.)

NO. 773 FOR JULY, 1940.

The mean relative humidity was 71%, the 33-year normal being 76% Mean 7 a.m. 74% and mean 3 p.m. 61%. Lowest 7 a.m. 63% on 9th, and lowest 3 p.m. 46% on 3rd and 14th

(Page 5.)

NO. 774 FOR AUGUST, 1940.

The mean relative humidity was 74% the 33-year normal being 79%. Mean 7 a.m. 78%. Mean 3 p.m. 63%. Lowest 7 a.m. 73% on 7th. Lowest 3 p.m. 50% on 6th and 15th.

(Page 7.)

NO. 780 FOR JANUARY, 1941.

Rainfall for Negril for SEPTEMBER, 1940, 4.44 inches.

MORANT POINT LIGHTHOUSE.

A Table giving the Meteorological Results for the Station at Morant Point Lighthouse (situated at the extreme eastern end of the Island) for the year 1940, is appended.

The extreme maximum temperature was 95.5° on the 6th of January, and the extreme minimum was 63.5° on the 7th of March. The extreme range for the year was therefore 32.0°. The greatest monthly range was 25.3° in January and the least was 15.0° in June. The greatest monthly rainfall was 19.52 inches in October and the least was 0.10 in June. There were 152 days with appreciable rain during the year. October had the greatest with 20 days, and June the least with 1. The total rainfall for the year was 67.70 inches as against the 60-year average of 66.67 inches, shewing an excess of 1.03 inch. The average fall for each day with rain (152) was approximately 0.45 inch. The mean total daily miles of wind was 294. July recorded the greatest with 354, followed by June with 348, and September the least, with 229.

The observations were conducted by Mr. C. N. RUTTY, Supt. of the Lighthouse.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,

March 20th, 1941.

MORANT POINT, JAMAICA.—METEOROLOGICAL RESULTS FOR THE YEAR, 1940.  
FOR ELEVATION, &c., (See Foot Note.)

Month.	Barometer Pressure.		TEMPERATURE (FAH.)						Dewpoint and Relative Humidity.		Rain-fall.	No. of Days of Rain.					
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for Month.	7 a.m.			3 p.m.				
	Inch.	Inch.	°	°	°	°	°	°	Max. Min. Range.	° %			° %				
January	29.921	29.972	77.9	76.3	79.9	82.6	74.9	7.7	95.5	70.2	25.3	70	83	72	77	8.27	15
February	29.901	29.959	77.9	76.7	80.1	82.5	74.5	8.0	86.2	70.1	16.1	70	80	71	75	3.92	15
March	29.979	29.860	78.9	76.9	81.8	84.4	74.6	9.8	87.5	63.5	24.0	70	80	72	72	0.66	6
April	29.992	29.944	80.7	79.3	83.1	85.9	76.4	9.5	88.9	69.2	19.7	72	80	73	73	1.15	7
May	29.953	29.916	81.5	80.2	83.9	87.1	76.9	10.2	93.3	68.5	24.8	74	83	75	76	5.52	18
June	29.902	29.961	83.9	82.5	85.9	88.8	80.3	8.5	90.5	75.5	15.0	76	82	77	73	0.10	1
July	30.021	29.992	84.3	83.3	86.8	88.9	80.4	8.5	92.9	74.9	18.0	76	79	77	72	2.28	9
August	29.967	29.933	84.2	83.1	86.7	88.9	80.2	8.7	90.7	74.5	16.2	77	81	78	74	3.73	14
September	29.907	29.868	83.1	81.8	85.7	88.5	78.3	10.2	90.7	70.5	20.2	76	82	77	75	5.79	11
October	29.907	29.857	80.0	80.3	82.2	85.1	74.4	10.7	90.7	70.2	20.5	75	84	76	82	19.52	20
November	29.938	29.889	80.4	79.7	82.8	84.8	76.4	8.4	87.9	69.1	18.8	74	83	75	77	7.47	17
December	29.956	29.917	79.4	79.3	81.4	84.4	74.7	9.7	86.5	67.2	19.3	75	80	76	85	9.29	19
Means	29.969	29.923	81.0	79.9	83.4	86.0	76.8	9.2	90.1	70.3	19.8	74	82	75	76		
Totals																67.70	152

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 8 ft. Height of Thermometer above ground 4 ft. 6 ins. Height of Rain Gauge above the ground 3 ft. Height of Anemometer above the ground of 18 ft.

MORANT POINT, 1940.—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.	Lower.		Middle.		Upper.		
				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	286	ENE 9.0	ENE 8.0	4.3	2.2	2.2	3.2	0.6	0.6	Overcast 3 days.
February	336	ENE 12.0	ENE 11.0	4.8	3.1	2.0	3.1	0.1	0.5	Overcast 4 days.
March	266	ENE 9.0	ENE 8.0	1.9	1.8	2.9	3.0	1.1	0.8	Overcast 3 days.
April	287	ENE 10.0	ENE 9.0	3.1	2.6	2.6	2.6	0.9	1.0	Overcast 3 days.
May	265	E 8.0	ENE 9.0	3.0	3.0	2.8	3.2	0.7	1.5	Overcast 4 days. Lightning 5th, 10th and 16th. Thunderstorm.
June	348	E 12.0	E 11.0	2.3	2.2	3.4	3.1	1.3	1.1	Overcast 1 day. Thunderstorm 16th.
July	354	E 12.0	E 12.0	3.1	2.4	2.9	3.0	0.9	0.7	Overcast 1 day. Lightning 1st and Thunderstorm.
August	311	ENE 10.0	E 9.0	3.2	1.7	2.5	3.1	1.0	1.4	Overcast 2 days. Thunderstorm 27th.
September	229	E 9.0	SE 9.0	3.2	3.1	2.0	2.7	2.3	2.0	Overcast 6 days. Thunderstorm 3rd, 14th and 28th.
October	280	ENE 10.0	NE 9.0	4.8	4.4	2.3	2.8	0.9	0.7	Overcast 15 days.
November	318	NE 14.0	NE 13.0	3.1	2.2	2.3	3.2	1.2	0.9	Overcast 3 days.
December	304	ENE 11.0	NE 9.0	2.8	3.5	3.3	2.9	0.8	1.0	Overcast 6 days.
Mean	294	ENE 10.5	ENE 9.7	3.3	2.7	2.6	3.0	1.0	1.0	Overcast 51 days. Thunderstorm 7 days. Lightning 4 days.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
MARCH, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)					Extreme Temperature. (F.)				
		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	29.987	29.953	77.4	81.5	84.2	75.0	9.2	88.0	28	70.0	25	18.0
Kingston	24	29.950	29.902	70.8	84.4	86.9	69.1	17.8	90.0	21	60.1	3	29.9
Negril Point Light House	33	29.946	29.911	72.2	81.7	83.8	69.9	13.9	87.0	18*	63.0	3	24.0
Montego Bay†	33	..	..	70.4	82.9	86.2	65.9	20.3	90.5	21*	58.5	17*	32.0
Castleton Gardens*	496	..	..	67.7	78.1	83.5	61.3	22.2	90.0	22*	56.0	4	34.0
Hope Gardens *	668	29.976	29.899	68.9	84.9	87.3	67.0	20.3	90.0	19*	61.0	2	29.0
Hill Gardens, Blue Mountains*	4,900	25.221	25.169	59.6	65.0	68.3	54.7	13.6	73.0	7	52.0	1	21.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.		3 p.m.			
Morant Point Light House	8	72	84	73	76	0.92	308	NE	13.0	NE	11.0	2.2	3.4	1.1	2.2	2.7	0.7
Kingston	24	84	80	69	59	0.55	221	N	6.0	SE	14.9	0.5	0.9	1.7	1.1	3.0	0.0
Negril Point Light House	33	66	80	68	64	1.54	170	E	6.0	Var.	9.0	0.6	1.6	1.5	2.5	2.0	0.2
Montego Bay	33	67	88	73	73	3.15	..	ENE	3.0	NE	7.0	..	..	..	..	..	..
Castleton Gardens	496	66	94	72	82	4.70	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63	81	71	62	3.47	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	55	84	61	86	3.74	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

\* Hope Gardens—observations made at 9 a.m. and 3 p.m.

† Montego Bay—observations made at 8 a.m. and 3 p.m.

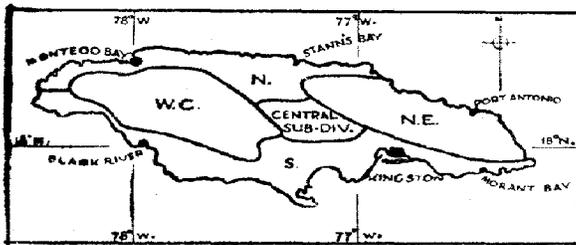
‡ Not taken—

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.	March, 1941.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Ins.	Ins.	Date.		Ins.
<b>NORTH-EASTERN DIVISION (N.E.)</b>					
Manchioneal	2.65	2.05	9	3	3.08
Ecclesdown	3.16	0.89	8	12	
Priestman's River	1.04	0.60	21	6	4.28
Bath	2.70	2.27	9	4	4.29
Barrett's Gap	1.65	1.25	9	2	
Millbank	3.66	1.87	8	8	
Comfort Castle					
Moore Town	4.20	1.53	30	9	9.97
Port Antonio	2.97	1.20	10	5	4.74
Passley Garden	4.07	1.58	10	10	
Fellowship	6.78	2.96	30	15	7.25
Johnson River Br.	5.11	3.09	9	5	2.76
Trinity Ville	4.04	2.39	9	4	
Fruitful Vale	3.66	1.16	30	6	
Hope Bay	9.54	5.52	9	12	
Cedar Valley	6.54	3.65	9	4	3.00
Paradise					
Lennox	9.20	4.00	31	5	
Greenvale	2.35	0.97	30	8	10.12
Darley	8.55	5.01	30	11	
Spring Garden	11.50	5.30	30	9	5.81
Hill Gardens	3.74	2.41	8	7	4.55
Buff Bay	10.61	5.21	30	8	5.35
Buff Bay R. Est.	4.44	2.00	30	8	
Belvedere, Portland	5.91	2.25	30	9	6.53
Windsor Castle, do.	10.50	4.70	30	5	5.49
Balcarres	3.73	1.12	9	8	
Mt. Holstein	2.56	0.81	9	9	7.00
Cedar Hurst	1.21	0.44	9	7	
Hardware Gap	3.74	2.40	9	5	4.07

STATIONS.	March, 1941.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Ins.	Ins.	Date.		Ins.
<b>NORTH-EASTERN DIVISION, contd.</b>					
Rose Hill	4.00	2.56	8	5	4.53
Mount Cressy	4.07	1.70	9		
Hermitage	4.66	3.20	9	6	
Mount Airy	2.90	2.10	9	2	
Stony Hill Ind. Sch.	4.91	3.52	9	7	2.97
Boon Hall					
Brandon Hill	3.31	2.13	9	4	
Enfield	3.63	2.00	29	5	
Agualta Vale	7.58	3.21	30	8	4.43
Castleton Gardens	4.70	2.05	9	6	4.73
Water Valley	5.54	2.00	10	6	4.29
Albany					3.87
Lawrence Tavern	2.73	1.80	9	4	2.75
Wey Hill	0.79	0.48	9	3	
Richmond, St. Mary	0.12	0.12	29	1	3.71
Quebec, St. Mary	11.20	4.90	10	6	2.91
Above Rocks	3.31	1.90	11	3	
Glengoffe	0.98	0.98	9	1	
Carew Castle	4.13	2.55	11	4	3.02
Hampstead, St. Mary	6.00	3.25	10	5	4.72
Windsor Castle do.	0.92	0.42	29	4	
Troja	0.04	0.04	30	1	
Pear Tree Grove					
Guy's Hill	0.85	0.50	29	3	3.14
Lucky Hill	2.09	0.65	30	9	3.14
Rio Hoe	0.90	0.32	29	5	3.62
Unity Valley	1.00	0.38	8	5	3.64
Moneague	0.97	0.38	8	4	3.40
Claremont	0.73	0.30	9	4	3.17
Averham Park	1.79	0.70	10	6	3.72
Albion	0.99	0.30	29	5	3.50
<b>NORTHERN DIVISION (N)</b>					
Port Maria	10.73	5.00	10	9	3.06
Wentworth	12.45	3.40	30	6	
Jacks River	8.48	3.35	10	11	
Oracabessa	14.20	8.17	10	5	
Huddersfield					
Exchange	10.12	3.67	30	5	
Ocho Rios	8.38	3.10	29	5	2.50
Rockfield	3.27	1.58	9	5	3.41
Liberty Hill	1.48	0.68	30	4	3.67
St. Ann's Bay	7.73	2.78	10	6	2.94
Richmond Estate	8.44	3.50	29	6	2.71
Runaway Bay	2.38	1.42	30	4	1.45
Knapdale	1.73	1.15	29	4	
Alexandria	0.46	0.21	29	3	1.91
Bel-Air	3.40	1.10	29	6	
Brown's Town	2.07	1.16	29	4	3.05
Wilton	2.33	1.05	9	5	
Watt Town, St. Ann	5.72	2.94	9	6	2.28
Home Castle	3.00	1.80	29	2	2.64
Stewart Town	2.25	1.30	29	3	
Arcadia	3.88	2.05	9	5	2.05
Vale Royal	3.33	1.38	9	6	2.32
Harmony Hall					2.04
Duncans	4.43	1.95	9	5	
Clark's Town	2.47	0.85	29	4	
Falmouth	2.68	1.53	29	4	1.71

STATIONS.	March, 1941.					STATIONS.	March, 1941.				
	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.	Amount.					Date.	Ins.		
<b>NORTHERN DIVISION, contd.</b>						<b>WEST-CENTRAL DIVISION, contd.</b>					
Adelphi	2.56	1.06	29	3		Mereworth	3.78	1.09	30	10	
Barrett Hall						Mandeville	2.53	1.18	30	6	4.18
Success					1.74	Ulster Spring	2.27	1.73	29	4	4.09
Rose Hall					1.64	Greenvale	1.62	0.61	30	6	
Cinnamon Hill					1.69	Albert Town	3.42	2.03	29	5	4.05
Tryall					1.60	Craig Head	1.75	1.75	29	1	
Running Gut					1.55	Warsop	1.95	1.30	29	3	
Spring Estate					1.52	Troy	1.60	0.85	29	2	5.88
Friendship	3.87	1.52	29	3	2.43	Wallingford	1.77	0.74	29	6	4.70
Retirement	3.45	1.92	29	3	3.02	Balaclava	1.72	0.79	29	6	4.47
Rose Mount	2.82	1.38	28	4		Braes River	0.63	0.50	30	3	
Montego Bay	3.15	1.47	30	3	1.65	Wakefield	4.21	1.78	31	3	
Anchovy	2.51	1.76	9	3	2.13	Aberdeen	1.65	0.81	9	4	
Hopewell	3.73	1.51	29	6		Accompong	1.83	1.19	9	3	
Blue Hole	1.09	0.70	8	3	3.01	Maggotty	1.58	0.50	8	5	5.93
Cascade	5.04	2.41	9	6		Lacovia	2.15	1.36	30	3	
Lucea	2.00	0.80	29	4	2.37	Mulgrave	1.48	0.80	8	4	
Haughton Court	2.13	1.00	9	4	2.22	Holland	1.02	0.50	9	4	
Kendal—Hanover	1.55	1.35	9	4		Ipswich	1.45	0.80	8	4	
Cousins Cove	2.81	0.98	9	9		Ginger Hill					
Green River	3.95	1.66	9	5		Kempshot	5.24	2.04	29	4	3.11
Green Island	2.43	1.45	9	5	3.29	Mochó, St. James					
Haughton Hall	0.85	0.45	9	4		Catadupa					4.11
<b>CENTRAL SUB-DIVISION.</b>						Cambridge	2.38	1.19	29	3	4.77
Knollis	2.02	1.48	9	3		New Market	6.00	1.45	8	5	5.53
Highgate (St. Cath.)	2.34	1.01	9	7		Springfield					
Rio Magno	0.47	0.30	29	3		Kew Park	1.44	0.90	29	2	4.42
Riversdale	0.75	0.45	9	3		The Bog	1.67	1.05	11	6	6.34
Headworks, R.C.C.	1.70	0.90	9	4	2.90	Bethel Town Dist.	2.22	1.01	9	3	4.69
Bog Walk	1.65	0.80	5	3		Burnt Ground	1.11	0.56	30	3	4.53
Linstead	0.78	0.39	9	4	3.08	Haughton Grove	2.85	1.10	29	4	6.98
Ewarton	1.58	0.55	9	3		Knockalva					
Cave Valley	1.34	0.96	8	3	2.70	Darliston	2.28	0.85	21	4	6.13
Guanaboa Vale						Bluesfields	1.05	0.94	9	3	6.93
Point Hill					4.66	Whithorn	1.50	0.80	9	3	1.83
Brown's Hall	1.74	0.80	8	3	4.35	Water Works Pen	2.55	1.50	9	4	5.22
Bellas Gate	2.10	1.00	8	5	2.50	Williamsfield, Wld.	1.70	1.10	9	2	
Rock River	0.60	0.60	30	1		Petersfield	2.03	0.96	9	5	
Crofts Hill	1.80	0.76	10	5	2.80	Baulk	1.23	0.60	29	4	
Kellitts	3.53	1.87	11	4		Askenish	3.19	1.60	9	6	4.08
Suttons	2.36	0.94	9	5		Grange Hill	1.25	0.46	11	4	5.22
Colonel's Ridge	1.33	0.40	8	7		Mount Eagle	0.93	0.41	29	4	
Chapelton	1.21	0.61	8	6	2.60	King's Vale	1.84	0.76	9	5	4.24
Crooked River	3.07	2.50	8	6							
James Hill	2.78	1.30	8	13		<b>SOUTHERN DIVISION. (S.)</b>					
Frankfield	1.77	1.32	8	3	2.14	Morant Point L.H.	0.92	0.40	9	9	2.26
<b>WEST-CENTRAL DIVISION (W.C.)</b>						Golden Grove					
Mochó, Clarendon	3.95	1.67	9	4	3.22	Pleasant Hill	1.82	1.13	9	6	3.39
Thompson Town	4.05	3.32	8	4		East Prospect	1.60	0.75	9	8	2.96
Clarendon Park						Morant Bay	0.45	0.45	9	1	1.96
Porus	2.53	1.75	8	6		Lloyds	1.43	0.96	9	4	
Borobridge	1.28	0.80	8	4		Yallahs	0.97	0.85	9	2	
Spaldings	1.05	0.60	8	4	2.66	Easington	1.47	1.06	8	3	1.39
Williamsfield	1.90	1.30	8	4		Mavis Bank	4.22	2.13	8	5	
Brokenhurst	4.55	2.03	8	7	3.05	Bull Bay	2.39	2.39	3	1	0.41
Shooter's Hill	1.77	1.03	8	2	3.02	Dallas Castle	1.08	1.09	9	2	
Wait-a-bit	3.15	2.00	29	7		Gordon Town	6.71	4.21	9	3	1.70
Christiana	1.19	0.41	9	5	1.23	Irish Town	3.72	2.50	9	4	1.98
Holmwood	0.45	0.20	30	4		Hope Gardens	3.47	2.13	8	6	2.01
Clifton Hill	2.80	1.35	30	4	2.52	Bamboo Pen	1.09	0.78	9	3	
Kendal, Manchester	1.51	0.80	8	4	3.28	Plumb Point L.H.	0.15	0.15	8	1	0.83

STATIONS.	March, 1941.					STATIONS.	March, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar. . . . .	1.64	0.85	9	3	1.54	Newport, Man. . . . .	3.51	1.30	8	4	2.96
Up-Park Camp . . . . .	0.72	0.58	9	3	..	Alligator Pond . . . . .	0.22	0.22	9	1	2.43
Cavaliers . . . . .	0.47	0.46	9	2	..	Myersville . . . . .	0.90	0.40	3	3	..
St. George's College . . . . .	0.57	0.57	9	1	..	Goshen . . . . .	1.04	0.70	8	3	..
Upper Kingston . . . . .	0.48	0.46	9	2	0.78	Munro . . . . .	1.78	1.11	8	6	..
Parade Garden . . . . .	0.56	0.56	9	1	..	Windsor, St. Eliz. . . . .	1.27	0.47	9	6	..
Kingston P.W.O. . . . .	0.55	0.53	9	2	0.94	Torrington . . . . .	1.15	0.70	7	3	3.13
Constant Spring . . . . .	3.91	3.34	9	5	..	Santa Cruz . . . . .	1.92	1.36	9	5	4.61
Halfway Tree . . . . .	0.77	0.51	9	3	1.16	Hounslow . . . . .	1.07	0.50	29	3	..
Clifton Pen . . . . .	0.75	0.69	9	2	1.06	Pedro Plains . . . . .	0.40	0.26	8	3	1.63
Seaward Pen . . . . .	..	..	..	..	..	Mountainside . . . . .	1.50	0.50	9	4	2.32
Red Hills . . . . .	4.00	2.59	9	4	..	Fort Charles . . . . .	0.41	0.27	9	2	..
Quarantine Station . . . . .	1.75	1.05	10	6	0.55	Black River . . . . .	0.39	0.23	9	2	2.60
Hematine . . . . .	1.23	1.23	9	1	1.52	Mt. Charles . . . . .	1.01	0.35	11	5	..
Spanish Town . . . . .	1.18	1.05	9	3	1.98	Font Hill . . . . .	..	..	..	..	3.45
Hog Hole, St. Cath. . . . .	1.73	0.93	9	4	2.26	Mount Edgecombe . . . . .	1.05	0.81	9	3	4.10
Old Harbour . . . . .	1.93	1.17	9	2	2.40	Sav.-la-Mar . . . . .	2.19	1.27	9	5	2.81
May Pen . . . . .	2.36	0.97	9	6	2.53	Little London . . . . .	1.35	0.72	9	3	3.11
Glen Muir . . . . .	2.05	1.20	9	3	..	Retreat . . . . .	1.80	0.96	9	4	3.63
Cottage . . . . .	0.95	0.75	8	2	..	Negril Point L.H. . . . .	1.54	1.28	9	3	2.77
Belle Plain . . . . .	2.88	1.80	9	3	..						
Milk River . . . . .	1.47	0.70	9	4	1.55						
Retrieve . . . . .	4.18	2.10	8	4	2.10						
Stone's Hope . . . . .	3.32	1.22	9	4	2.61						

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	March.			
	Rainfall, inches:		Days on which Rain fell:	
	1941.	Ave.	1941.	Ave.
North-eastern . . . . .	4.22	4.61	6	9
Northern . . . . .	3.22	2.37	5	6
West-central . . . . .	2.35	4.25	4	9
Southern . . . . .	1.75	2.19	3	6
The Island means	2.89	3.35	5	8

SHOCKS OF EARTHQUAKE IN MARCH, 1941.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
30th	10.30 A.M.	I	Munro

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5th OF EACH MONTH.

## THE ISLAND—MARCH.

The mean rainfall for the Island was below normal. The Northern Division had more than its average, but all the others had less than theirs.

The greatest total fall for the month was 14.20 inches at Oracabessa in the Northern Division and the heaviest fall in 24 hours was 8.17 inches at the same station on the 10th.

The mean number of rain days was 5, the average for the month being 8. Fellowship, in the North Eastern Division, had the most—15.

The mean rainfall in each parish is given below, compared with the 10-year average. St. Mary, with 6.32 inches, was highest; Portland, with 5.35 inches, next; and St. Ann and St. James, with 3.25 inches each, were third. Kingston, with 0.46 inch, was lowest.

Parish.	1941.	10 year average.	Parish.	1941.	10 year average.
	inches	inches		inches	inches
Kingston ..	0.46	0.64	St. James ..	3.25	2.52
St. Andrew ..	3.01	1.82	Hanover ..	2.47	2.78
St. Thomas ..	2.42	1.93	Westmoreland ..	1.63	3.34
Portland ..	5.35	6.36	St. Elizabeth ..	1.55	3.04
St. Mary ..	6.32	4.22	Manchester ..	2.35	2.49
St. Ann ..	3.25	3.17	Clarendon ..	2.14	1.88
Trelawny ..	2.97	3.12	St. Catherine ..	1.52	2.45

The total rainfall for the first quarter of the year is given below, compared with the 60 year average, and shows an excess of 3.91 inches.

	1941.	60 year average.
	inches.	inches.
January ..	5.10	4.10
February ..	6.40	3.13
March ..	2.89	3.35
Total ..	14.39	10.48

## CITY OF KINGSTON.

The total rainfall for the month of March, 1941, was 0.55 of an inch, as compared with the 60-year normal of 0.94 inch. The number of rain days was two, which is 2 less than the 49-year average of 4.

The upper boundary of Kingston gauged 0.48 inch with 2 rain days.

The several directions in which distant rain was observed are as follows:—To north, on two occasions and to northeast once.

The mean barometric pressure was 29.935 inches, the 33-year normal 29.965 inches, or 0.030 inch below normal. Highest barometric reading 30.086 inches on the 3rd at 7 a.m., and the lowest, 29.855 inches on the 25th at 3 p.m.

Mean temperature for the month 77.3°, the 33-year normal being 76.5°, or 0.8 above the normal. Highest maximum, 90.0°, on the 21st, and the lowest minimum, 60.1°, on the 3rd. This is the lowest for over 30 years. The previous lowest was 59.7° in the year 1910, January 27th, and the lowest for 60 years, 56.7°, in 1887, December 4th. The extreme monthly range was 29.9°; on the other hand, the lowest maximum was 79.5° on the 1st (during a norther), and highest minimum 77.4°, on the 9th. The greatest daily range was 26.4 on the 3rd. **Maximum** was 90.0°, or above, once.

The mean daily miles of wind registered was 221. The 25-year normal being 188 or 18% above the normal. The greatest number of miles of wind recorded in 24 hours was 528 on the 1st, and the least 121, on the 5th. Fresh to brisk northers ranging from 12 to 28 m.p.h. on the 1st, 2nd, 9th, 14th, 15th, and 17th March, of short duration. S.E. wind prevailed early 3 times, and after 7 p.m. 11 times, and throughout the night on 21st and 22nd. Greatest hourly velocity 36 m.p.h. on 1st at 1.45 p.m.

The mean relative humidity was 72%, the 33-year average being 77%. The mean 7 a.m. was 80%, and mean 3 p.m. 59%. Lowest 7 a.m., 66% on 2nd, and lowest 3 p.m., 31% on the 14th, which is exceptionally low. It may be noted that there was a northwest wind of 15 m.p.h. at the time, and the air temperature at 3 p.m. was 88.4°. But in the year 1923, on August 11th, in the afternoon, there was still a lower record of 27%, upon the occasion of the highest maximum temperature of 97.8°.

Overcast conditions prevailed in the early forenoon on 8 occasions and in the afternoon on 13.

The total evaporation for the month of March 8.21 inches. The 10-year normal being 6.64 inches.

Mean daily number of sunshine hours 8.8.

*Montego Bay.*—A Table (a) giving a summary of the Meteorological Observations carried out at Montego Bay during 1940, is appended. The extreme maximum temperature was 95.0° on July 24th, and the extreme minimum was 61.0° on the 22nd of February. The mean daily temperature derived from four observations per day, was 79.0°. The mean relative humidity at 7 a.m. was 89% and at 3 p.m. 75%. The observations were carried out by Mr. Sinclair of the Public Works Department, Montego Bay.

## EVAPORATION TABLES.

*Kingston.*—Appended to this Weather Report, No. 782, is a Table (B), summarising the results of the daily evaporation gauged each month of the year 1940, at the city of Kingston. The evaporimeter continued to be maintained with the same exposure as that in former years since 1924—*vide* Jamaica Weather Report No. 570, page 5, March 1925.

The maximum evaporation occurred in the month of June when a total of 8.99 inches was gauged representing for this month a daily mean of 0.300 inch. The minimum occurred in October, giving a total of 4.27 inches and a daily mean of 0.138 inch. The total evaporation for the year was 76.96 inches or 5.25 inches above the 10-year average. The general monthly mean for the 12 months was 6.41 inches with an average daily mean of 0.210 inch, or 0.027 inch more than in the previous year. The greatest evaporation in 24 hours was 0.46 of an inch on the 1st of June. The days which gauged the greatest amount of evaporation are indicated by bolder-faced type in the respective columns of the table.

By way of comparison, it may be noted that the rain gauge which is installed in the vicinity of the evaporimeter, recorded 20.58 inches for the year 1940.

At the foot of the table are shewn the corresponding monthly normals.

*Negril Point.*—Another Table (C) shewing the evaporation at Negril Point, to the extreme west of Jamaica, is also appended. The maximum monthly evaporation, 7.52 inches, giving a daily mean of 0.257 inch, occurred in April and the minimum, 4.70 inches, giving a daily mean of 0.152 inch, in December.

The total evaporation for the year was 72.89 inches or 4.07 inches less than that of Kingston.

The general monthly mean for the year was 6.07 inches and the year's daily mean was 0.199. The greatest evaporation gauged in 24 hours was 0.38 inch on the 22nd of March.

The maximum daily evaporation is indicated by bolder-faced type in the respective columns of the table.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
April 20th, 1941.

TABLE (A)

## MONTIGO BAY METEOROLOGICAL RESULTS FOR THE YEAR 1940.

(Lat. 17° 17' N. and Long. 77° 55')

Month.	Temperature (F.)				Extreme Temperature (F.)				Dew Point and Humidity.				Rainfall (inches.)	Wind, (approx.) Direction from and miles per hour.			
	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range	7 a.m.	3 p.m.		%	7 a.m.	3 p.m.	
	°	°	°	°	°	°	°	°	°	°	°	°	%				
January	67.8	81.4	84.8	65.6	19.2	89.5	7	62.0	29	27.5	66	74	77	NE	3.0	NE	7.0
February	68.8	83.5	85.9	65.4	20.5	90.5	11	61.0	22	29.5	66	75	75	NE	2.0	NE	7.0
March	69.2	85.8	87.6	66.7	20.9	90.0	29	62.0	4*	28.0	67	75	70	NE	2.6	NNE	7.0
April	72.1	86.3	88.9	70.0	18.9	92.5	24*	65.0	17	27.5	70	77	73	ESE	3.0	NE	8.0
May	74.9	86.5	88.9	71.3	17.6	92.9	30	69.0	5*	23.9	72	78	76	NE	3.0	NE	7.0
June	76.5	88.4	91.4	72.3	19.1	94.5	25	69.0	10*	25.5	73	79	75	E	3.0	NE	7.0
July	77.1	90.1	93.1	73.5	19.6	95.0	24*	69.9	26	25.1	73	78	72	SE	3.0	NE	7.0
August	76.6	87.4	92.2	72.2	20.0	94.5	5*	67.5	23	27.0	72	78	75	SE	1.0	E	7.0
September	75.8	86.9	90.8	71.8	19.0	94.1	2	68.5	3	25.6	72	78	76	SE	3.0	NE	7.0
October	75.1	84.4	88.5	71.6	16.9	91.9	2	68.0	16*	23.9	72	75	77	E	3.0	ENE	7.0
November	74.9	84.8	86.8	71.6	15.2	92.0	2	66.9	27	25.1	72	76	75	ENE	3.0	NE	7.0
December	73.3	83.3	85.6	69.9	15.7	89.0	1	65.0	21*	24.0	70	75	77	ENE	3.0	NE	7.0
Means Total	73.5	85.7	88.7	70.2	18.5	92.2	..	66.1	..	26.1	70	76	75	E	2.1	NE	7.1
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

TABLE (B) KINGSTON 1940.

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

Date.	Jany.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.13	0.15	0.16	0.16	0.28	<b>0.46</b>	0.32	0.25	0.08	0.24	0.28	0.25
2	0.09	0.12	0.26	0.20	0.29	0.38	0.38	0.28	0.13	0.18	<b>0.39</b>	0.28
3	0.17	0.15	0.12	0.23	0.29	0.35	0.41	<b>0.37</b>	0.10	0.21	0.31	0.25
4	0.07	0.12	0.22	0.21	0.27	0.33	0.33	0.32	0.14	0.24	0.26	0.20
5	0.15	0.04	0.14	0.25	0.10	0.36	0.36	0.29	0.15	0.15	0.13	0.15
6	0.15	0.25	0.23	0.20	0.09	0.32	0.41	0.28	0.01	0.13	0.15	0.30
7	0.14	0.10	0.19	0.21	0.10	0.24	0.26	0.31	0.23	0.08	0.23	<b>0.32</b>
8	0.11	0.19	0.13	0.27	0.16	0.24	0.33	0.29	0.29	0.01	0.26	0.03
9	0.18	0.21	0.24	0.18	0.26	0.21	0.24	0.32	0.24	0.02	0.31	0.21
10	0.12	0.26	0.17	0.17	0.20	0.29	0.26	0.27	0.21	0.03	0.17	0.11
11	0.15	0.06	0.20	0.11	0.21	0.28	0.10	0.29	0.26	0.03	0.27	0.25
12	0.10	0.17	0.17	0.12	0.22	0.44	0.28	0.22	0.23	0.16	0.29	0.23
13	0.17	0.24	0.16	0.21	0.12	0.39	0.41	0.23	0.20	0.16	0.34	0.18
14	0.09	0.24	0.16	0.22	0.21	0.31	<b>0.42</b>	0.21	0.25	0.20	0.20	0.18
15	0.13	0.08	0.19	0.07	0.17	0.35	0.22	0.17	0.22	0.16	0.25	0.24
16	0.14	0.19	0.21	0.20	0.14	0.10	0.04	0.24	0.26	0.20	0.33	0.29
17	0.12	<b>0.27</b>	0.23	0.12	0.17	0.27	0.37	0.27	0.15	0.19	0.08	0.29
18	0.15	0.19	0.11	0.23	0.23	0.22	0.31	0.22	0.12	0.17	<b>0.09</b>	0.22
19	0.14	0.14	0.21	0.21	0.16	0.21	0.13	0.25	<b>0.30</b>	0.15	0.06	0.23
20	0.18	0.18	0.20	0.26	0.23	0.20	0.25	0.16	0.19	0.01	0.22	0.20
21	0.18	0.24	0.27	0.11	0.24	0.19	0.25	0.26	0.20	0.09	0.28	0.20
22	0.08	0.23	0.22	0.28	0.24	0.33	0.27	0.23	0.11	0.11	0.24	0.01
23	<b>0.23</b>	0.19	0.25	0.25	0.26	0.16	0.33	0.18	0.21	0.02	0.22	0.02
24	0.09	0.21	0.19	0.29	0.24	0.29	0.18	0.25	0.20	0.15	0.19	0.31
25	0.09	0.08	0.16	0.30	0.25	0.32	0.19	0.25	0.14	0.15	0.26	0.16
26	0.11	0.18	0.26	<b>0.31</b>	0.25	0.35	0.25	0.18	0.20	0.21	0.22	0.20
27	0.19	0.18	0.22	0.27	0.34	0.34	0.31	0.17	0.24	0.09	0.16	0.21
28	0.10	0.13	0.20	0.11	0.19	0.32	0.31	0.32	0.05	0.14	0.29	<b>0.32</b>
29	0.07	0.18	0.30	0.26	0.27	0.40	0.30	0.20	0.12	0.12	0.10	0.22
30	0.11	...	<b>0.34</b>	0.18	<b>0.36</b>	0.34	0.29	0.27	0.20	<b>0.25</b>	0.31	0.07
31	0.12	...	0.22	...	0.35	...	0.25	0.26	...	0.22	...	0.24
Total	4.03	4.97	6.36	6.19	6.89	8.99	8.76	7.81	5.43	4.27	6.89	6.37
Daily Means	0.130	0.171	0.205	0.206	0.222	0.300	0.283	0.252	0.181	0.138	0.230	0.206
10-Year monthly average	5.06	4.90	6.64	7.75	7.91	6.93	7.89	7.56	5.12	4.05	3.35	4.37

The total Evaporation for the year 1940 was 76.96 inches.  
The 10-year Average Evaporation is 71.71 inches.

TABLE (C)—NEGRIL POINT, YEAR 1940.

Daily Record of Evaporation, in inches—Evaporimeter 4 inches above ground and 27 feet above sea level.

Date.	Jany.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.18	0.22	0.10	0.21	0.23	0.28	0.12	0.22	0.18	0.12	0.21	0.22
2	0.20	0.23	0.27	0.20	0.33	0.28	0.22	0.23	0.17	0.20	0.17	0.17
3	0.18	0.22	0.28	0.22	0.17	0.26	0.24	0.21	0.17	0.16	0.20	0.18
4	0.15	0.25	0.15	0.25	0.26	0.27	0.21	0.16	0.13	0.19	0.22	0.13
5	0.17	0.17	0.19	0.20	0.23	0.23	0.29	0.20	0.10	0.16	0.19	0.17
6	0.24	0.23	0.26	0.17	0.12	0.22	0.20	0.25	0.18	0.13	0.12	0.16
7	0.14	0.12	0.25	0.23	0.26	0.22	0.19	0.21	0.20	0.00	0.10	0.16
8	0.19	0.16	0.26	0.29	0.20	0.12	0.20	0.24	0.22	0.00	0.21	0.24
9	0.16	0.18	0.34	0.22	0.23	0.20	0.20	0.22	0.21	0.24	0.19	0.09
10	0.28	0.22	0.28	0.19	0.25	0.21	0.22	0.22	0.26	0.20	0.23	0.24
11	0.16	0.00	0.25	0.17	0.23	0.22	0.23	0.18	0.30	0.00	0.26	0.18
12	0.17	0.16	0.26	0.15	0.29	0.21	0.15	0.20	0.24	0.30	0.22	0.14
13	0.26	0.20	0.23	0.27	0.18	0.29	0.18	0.24	0.21	0.17	0.19	0.13
14	0.09	0.10	0.18	0.28	0.14	0.27	0.21	0.17	0.21	0.22	0.19	0.11
15	0.28	0.14	0.20	0.26	0.22	0.19	0.19	0.16	0.24	0.12	0.19	0.16
16	0.18	0.20	0.24	0.22	0.20	0.19	0.18	0.15	0.23	0.20	0.11	0.08
17	0.20	0.30	0.20	0.28	0.13	0.20	0.16	0.21	0.24	0.26	0.12	0.23
18	0.22	0.31	0.26	0.26	0.21	0.15	0.14	0.14	0.22	0.18	0.17	0.17
19	0.20	0.19	0.26	0.28	0.21	0.14	0.17	0.18	0.25	0.14	0.12	0.11
20	0.18	0.20	0.22	0.25	0.22	0.19	0.24	0.17	0.21	0.07	0.15	0.15
21	0.21	0.33	0.28	0.34	0.26	0.19	0.18	0.15	0.20	0.10	0.08	0.15
22	0.05	0.30	0.38	0.32	0.20	0.19	0.21	0.25	0.18	0.12	0.11	0.05
23	0.22	0.28	0.18	0.31	0.24	0.20	0.23	0.17	0.24	0.14	0.18	0.13
24	0.15	0.17	0.23	0.27	0.16	0.18	0.12	0.16	0.22	0.17	0.15	0.13
25	0.18	0.07	0.19	0.28	0.23	0.24	0.13	0.22	0.23	0.12	0.15	0.14
26	0.25	0.26	0.21	0.27	0.26	0.21	0.21	0.20	0.20	0.17	0.15	0.16
27	0.34	0.31	0.27	0.25	0.18	0.25	0.22	0.20	0.24	0.15	0.13	0.22
28	0.30	0.08	0.29	0.28	0.18	0.24	0.20	0.22	0.19	0.10	0.18	0.10
29	0.08	0.11	0.22	0.28	0.19	0.28	0.20	0.26	0.20	0.21	0.19	0.08
30	0.11	..	0.21	0.32	0.25	0.23	0.22	0.17	0.20	0.19	0.18	0.12
31	0.26	..	0.29	..	0.28	..	0.17	0.21	..	0.20	..	0.20
Total	5.98	5.71	7.43	7.52	6.74	6.55	6.03	6.17	6.27	4.73	5.06	4.70
Daily Means	0.193	0.204	0.240	0.257	0.217	0.218	0.195	0.199	0.209	0.153	0.168	0.152

The Total Evaporation for the year was 72.89 inches.



# JAMAICA WEATHER REPORT.

FOR THE MONTH OF

APRIL, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson's Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)				Extreme Temperature (F.)					
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.955	29.879	78.8	83.1	85.5	76.0	9.5	88.2	5	68.2	10	20.0
Kingston	24	29.919	29.868	75.1	85.8	88.7	71.5	17.2	93.4	11	66.4	17	27.0
Negril Point Light House	33	29.910	29.870	76.4	84.9	87.0	72.5	14.5	91.0	11	69.3	23	21.7
Montego Bay †	33	..	..	73.1	85.4	89.1	69.4	19.7	91.5	4	64.0	17	27.5
Castleton Gardens	496	..	..	70.7	84.4	86.3	67.5	18.8	90.0	7	62.0	4*	28.0
Hope Gardens †	668	29.945	29.826	73.2	84.4	87.3	68.0	19.3	94.0	12	62.0	14	32.0
Hill Gardens, Blue Mountains	4,900	25.190	..	39.8	..	70.6	56.1	14.5	75.0	12	50.0	16	25.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.			3 p.m.		
		°	%	°	%			ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L	M	U	L
Morant Point Light House	8	72	80	74	74	3.71	283	NE	12.0	NE	12.0	2.5	2.9	0.6	2.3	3.5	0.6
Kingston	24	67	77	71	61	2.43	205	NE	5.7	SE	13.4	1.0	0.4	1.3	2.0	3.1	0.6
Negril Point Light House	33	69	80	71	63	2.75	171	ESE	5.6	SE	9.5	0.7	0.6	1.3	2.3	1.8	0.5
Montego Bay Castleton Gardens	33	70	88	75	70	2.11	..	E	3.0	NE	7.0	..	..	..	..	..	..
Hope Gardens	496	68	89	73	70	8.42	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	668	65	78	70	64	3.07	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	53	79	..	..	11.60	..	..	..	..	..	..	..	..	..	..	..

\* And on other days. † Hope Gardens—observations made at 9 a.m. and 3 p.m.  
 † Montego Bay—observations made at 8 a.m. and 3 p.m.

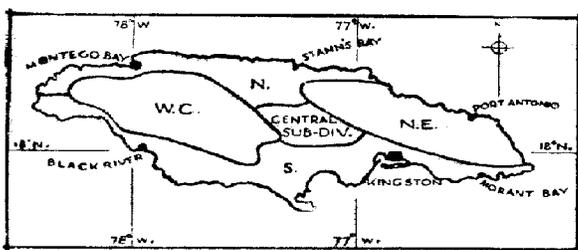
NOTE.—Hill Gardens, Blue Mountains—3 p.m. observations not taken.

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



April, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal	11.92	9.97	29	4	6.64
Ecclesdown					
Priestman's River	4.52	3.80	29	3	5.03
Bath	5.45	3.02	29	9	5.98
Barrett's Gap	7.06	3.00	29	5	
Millbank	19.13	7.65	29	14	
Comfort Castle					
Moore Town	13.34	3.50	29	9	11.18
Port Antonio	3.75	0.70	21	8	6.55
Passley Garden	2.02	0.47	22	8	
Fellowship	9.36	3.46	22	11	9.64
Johnson River Br.	7.25	6.02	29	6	4.08
Trinity Ville	3.90	2.92	29	2	
Fruitful Vale	9.51	3.32	20	9	
Hope Bay	8.05	1.73	20	10	
Cedar Valley	2.67	1.60	29	2	4.04
Paradise					
Lennox	13.15	9.20	20	7	
Greenvale	13.44	6.22	20	13	10.16
Darley	9.40	3.77	22	11	
Spring Garden	12.70	4.62	20	8	4.01
Hill Gardens	11.66	2.94	30	11	5.65
Buff Bay	9.75	3.54	19	10	6.26
Buff Bay R. Est.	12.11	6.37	20	7	
Belvedere, Portland	11.57	4.32	20	10	4.50
Windsor Castle, do.	2.90	1.70	20	2	5.51
Balcarres	19.94	6.30	20	10	
Mt. Holstein	11.47	2.70	30	11	7.03
Cedar Hurst	10.41	3.15	30	12	
Hardware Gap	10.74	2.78	30	10	6.40

April, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Rose Hill	8.99	2.00	22	10	7.70
Mount Cressy	11.75	2.18	21		
Hermitage	10.31	2.91	30	12	
Mount Airy	9.79	1.96	21	10	
Stony Hill Ind. Sch.	8.84	2.52	29	9	5.21
Boon Hall					
Brandon Hill	5.60	2.88	30	7	
Enfield	12.87	5.50	20	10	
Agualta Vale	9.49	5.01	20	8	4.60
Castleton Gardens	8.42	5.25	21	7	6.64
Water Valley	6.17	2.07	20	5	4.88
Albany					4.66
Lawrence Tavern	6.31	2.30	30	9	4.74
Wey Hill	4.66	1.72	20	6	
Richmond, St. Mary	6.87	3.75	30	8	4.54
Quebec, St. Mary	4.96	2.15	27	8	3.70
Above Rocks	7.95	2.30	21	10	
Glengoffe	7.80	2.85	21	6	
Carew Castle	7.32	2.44	21	9	5.08
Hampstead, St. Mary	7.82	4.30	20	7	5.47
Windsor Castle do.	3.04	1.56	30	5	
Troja	5.88	2.15	23	6	
Pear Tree Grove	1.24	1.24	30	1	
Guy's Hill	1.80	0.80	29	5	4.32
Lucky Hill	4.30	2.12	20	9	4.92
Rio Hoe	1.77	0.62	30	4	4.51
Unity Valley	1.18	0.32	18	6	4.90
Moneague	1.03	0.36	29	6	4.66
Claremont	1.30	0.54	22	7	4.17
Averham Park	1.15	0.40	12	8	4.57
Albion	0.54	0.25	13	4	4.47
<b>NORTHERN DIVISION (N.)</b>					
Port Maria	4.23	2.00	27	10	4.00
Wentworth					
Jacks River	1.68	0.70	22	7	
Oracabessa	2.24	1.13	22	6	
Huddersfield	1.98	1.15	18	4	
Exchange	0.90	0.66	22	4	
Ocho Rios	1.86	0.74	27	4	3.36
Rockfield	1.63	0.58	20	11	5.02
Liberty Hill	1.02	0.50	21	5	4.02
St. Ann's Bay	3.10	1.02	30	10	3.70
Richmond Estate	2.70	0.87	30	11	3.58
Runaway Bay	2.90	0.89	30	6	1.03
Knapdale	1.76	0.96	20	5	
Alexandria	1.31	0.75	21	3	2.94
Bel-Air	4.80	1.80	30	7	
Brown's Town	1.48	0.64	30	9	3.62
Wilton	2.91	1.15	30	5	
Watt Town, St. Ann	4.87	1.87	24	6	3.02
Home Castle					3.22
Stewart Town	1.67	0.62	29	8	
Arcadia	2.85	2.15	30	5	2.56
Vale Royal	1.40	0.56	30	6	2.94
Harmony Hall					2.08
Duncans	1.55	0.63	28	4	
Clark's Town	1.11	0.91	30	2	
Falmouth	0.58	0.37	29	4	2.06

STATIONS.	April, 1941.					STATIONS.	April, 1941.				
	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.	Amount.					Date.	Ins.		
<b>NORTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>WEST-CENTRAL DIVISION, contd.</b>	Ins.	Ins.			Ins.
Adelphi ..	1.97	0.95	28	4		Mandeville ..	6.37	1.45	28	6	5.60
Barrett Hall ..						Ulster Spring ..	6.95	1.82	25	9	6.85
Success ..					1.84	Greenville ..	11.46	3.74	21	12	
Rose Hall ..					1.78	Albert Town ..	7.81	2.00	25	8	6.62
Cinnamon Hill ..					1.83	Craig Head ..	13.58	3.03	22	8	
Tryall ..					2.60	Warsop ..	14.86	3.25	24	12	
Running Gut ..					1.79	Troy ..	11.74	2.50	29	11	8.28
Spring Estate ..					1.67	Wallingford ..	9.50	2.58	29	13	8.41
Friendship ..	2.94	1.03	28	4	2.72	Balaclava ..	11.66	2.70	22	13	9.03
Retirement ..	2.71	1.32	28	4	4.29	Braes River ..	10.18	2.05	22	9	
Rose Mount ..	2.77	1.00	28	2		Wakefield ..	4.78	2.09	24	7	
Montego Bay ..	2.11	1.16	28	5	3.02	Appleton ..	11.76	2.97	26	13	
Anchovy ..	4.62	1.72	28	6	3.34	Aberdeen ..	11.16	2.80	26	12	
Hopewell ..	2.38	1.93	28	5		Accompong ..	8.95	2.08	22	9	
Blue Hole ..	2.57	1.30	26	4	3.55	Maggotty ..	10.91	1.68	24	13	9.83
Cascade ..	4.70	1.61	24	8		Lacovia ..	6.23	1.76	22	7	
Luca ..	2.94	1.85	29	4	3.53	Mulgrave ..	10.24	1.70	21	11	
Haughton Court ..	3.09	1.71	29	4	3.33	Holland ..	6.82	2.70	22	6	
Kendal—Hanover ..	2.11	0.77	28	5		Ipswich ..	9.31	1.80	24	12	
Cousins Cove ..	4.69	1.14	29	9		Ginger Hill ..					
Green River ..	2.59	1.13	29	4		Kempshot ..	1.70	0.62	22	5	4.90
Green Island ..	2.83	0.85	22	6	4.79	Mocho, St. James ..					7.63
Haughton Hall ..	2.13	0.72	29	8		Catadupa ..					
<b>CENTRAL SUB-DIVISION.</b>						Cambridge ..	3.79	1.03	29	9	7.13
Knollis ..	4.82	2.74	29	6		New Market ..	5.19	2.00	24	7	10.00
Highgate (St. Cath.) ..	9.03	2.00	30	10		Springfield ..					
Rio Magno ..	3.87	1.80	29	7		Kemp Park ..	4.62	1.90	29	7	7.9
Riversdale ..	6.99	2.95	29	6		The Bog ..	3.86	1.20	19	11	10.35
Headworks, R.C.C. ..	6.10	2.80	23	7	3.46	Bethel Town Dist. ..	8.17	1.70	24	11	8.81
Bog Walk ..	4.35	1.75	30	5		Burnt Ground ..	6.30	1.48	19	8	5.75
Linstead ..	8.35	2.01	29	9	4.46	Haughton Grove ..	9.90	2.00	24	8	7.01
Ewarton ..	6.13	2.26	21	6		Knockalva ..	11.06	2.32	24	11	
Cave Valley ..	4.45	1.47	23	11	4.63	Darliston ..	8.70	2.00	24	10	10.92
Guanaboa Vale ..	6.35	3.14	29	9		Bluefields ..	2.75	1.38	29	6	8.08
Point Hill ..	8.34	4.09	29	8	5.52	Whithorn ..	10.28	3.46	20	7	7.13
Brown's Hall ..	7.26	4.00	30	10	4.17	Water Works Pen ..	10.10	3.40	20	9	7.43
Bellas Gate ..	8.55	3.47	29	11	2.39	Williamsfield, Wld. ..	11.18	2.20	26	12	
Rock River ..	8.07	3.00	29	5		Petersfield ..	5.61	2.24	20	9	
Crofts Hill ..	6.07	2.26	29	7	3.73	Baulk ..	11.52	2.21	21	11	
Kellitss ..	3.63	1.12	23	5		Askenish ..	8.62	2.95	29	7	6.96
Suttons ..						Grange Hill ..	9.11	2.31	24	9	7.01
Colonel's Ridge ..	6.73	1.78	24	12		Mount Eagle ..	8.75	2.00	24	9	
Chapelton ..	6.20	2.10	29	9	3.73	King's Vale ..	2.52	1.40	22	7	5.64
Crooked River ..	8.69	2.86	24	8		<b>SOUTHERN DIVISION (S.)</b>					
James Hill ..						Morant Point L. H. ..	4.71	2.30	29	5	3.19
Frankfield ..	6.25	1.30	26	9	3.44	Golden Grove ..					
<b>WEST-CENTRAL DIVISION (W.C.)</b>						Pleasant Hill ..	4.63	1.80	29	5	2.19
Mocho, Clarendon ..	7.11	2.58	30	7	4.76	East Prospect ..	3.85	1.73	29	3	4.23
Thompson Town ..	5.85	1.42	22	8		Morant Bay ..	2.66	0.95	22	6	2.84
Porus ..	5.96	2.60	29	7		Lloyds ..	2.87	1.77	29	2	
Borobridge ..	7.80	2.80	21	10		Yallahs ..	2.10	1.10	29	2	
Spaldings ..	10.03	3.30	21	10	3.43	Easington ..	0.66	0.66	30	1	2.00
Williamsfield ..						Mavis Bank ..	5.46	1.76	29	8	
Brokenhurst ..	8.16	2.35	29	7	5.31	Bull Bay ..	1.86	1.11	29	2	0.93
Shooter's Hill ..	5.84	2.05	26	9	4.17	Dallas Castle ..	1.86	0.60	29	6	
Wait-a-bit ..	12.29	3.64	21	11		Gordon Town ..	6.51	1.61	30	8	3.26
Christiana ..	10.16	2.22	21	10	6.64	Irish Town ..	7.58	2.50	30	8	4.06
Holmwood ..	9.75	2.34	26	9		Hope Gardens ..	3.07	0.95	30	8	2.95
Clifton Hill ..	10.26	2.75	26	7	4.45	Bamboo Pen ..					
Kendal, Manchester ..	6.61	2.00	26	10	6.06	Plumb Point L. H. ..	0.55	0.25	30	3	1.15
Mereworth ..	7.61	1.97	28	8							

STATIONS.	April, 1941.					STATIONS.	April, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar.	3.07	2.10	30	6	2.43	Milk River	3.84	1.92	29	7	2.22
Up-Park Camp	2.40	1.02	29	6	..	Retrieve	4.56	2.10	29	6	2.59
Cavaliers	2.18	1.85	30	4	..	Stone's Hope	4.56	3.20	29	7	4.13
St. Georges College	2.31	1.12	30	3	..	Newport, Man.	5.89	2.95	29	5	4.77
Upper Kingston	2.29	0.98	29	5	0.94	Alligator Pond	4.10	2.10	29	3	2.97
Parade Garden	2.10	0.97	30	3	..	Myersville	3.87	0.78	28	8	5.39
Kingston P.W.O.	2.43	1.20	30	4	1.17	Goshen	9.27	3.40	21	7	..
Constant Spring	7.35	3.59	30	9	..	Munro	2.90	1.57	26	6	..
Halfway Tree	1.52	1.12	29	3	1.86	Windsor, St. Eliz.	4.35	2.28	26	9	..
Clifton Pen	3.35	1.50	29	7	1.74	Torrington	3.32	2.67	26	4	4.86
Seaward Pen	..	..	..	..	..	Santa Cruz	7.57	1.90	29	9	8.81
Red Hills	5.82	1.50	29	8	..	Hounslow	3.06	1.87	26	5	..
Quarantine Station	1.69	1.69	30	1	1.36	Pedro Plains	0.76	0.76	29	1	2.64
Lorne	3.85	2.60	29	4	..	Mountainside	4.29	1.15	29	6	5.20
Tulloch Pen	4.89	3.40	29	4	..	Fort Charles	2.10	1.54	25	3	..
Salt Pen Hut	4.29	3.02	29	4	..	Black River	4.41	1.20	22	10	3.98
Hematine	3.54	3.05	29	2	2.49	Mt. Charles	6.84	1.86	22	10	..
Spanish Town	3.33	2.18	29	4	2.36	Font Hill	..	..	..	..	4.45
Hog Hole, St. Cath.	3.02	1.58	29	4	2.94	Mount Edgecombe	3.01	0.77	29	7	5.32
Old Harbour	1.88	1.45	29	2	2.81	Sav.-la-Mar	4.32	3.00	29	6	4.79
May Pen	4.21	1.73	29	5	3.00	Little London	9.57	2.98	29	9	4.88
Glen Muir	4.40	1.90	29	4	..	Retreat	4.20	1.25	29	8	4.91
Cottage	2.54	1.40	29	4	..	Negril Point L. H.	2.75	1.45	29	9	2.92
Belle Plain	7.64	4.36	29	6	..						

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	April.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern	6.79	5.80	8	10
Northern	3.84	3.17	7	6
West-central	7.54	6.82	9	11
Southern	3.71	3.28	5	7
The Island means	5.47	4.77	7	9

SHOCKS OF EARTHQUAKE IN April, 1941.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
7th	6.30 p.m.	}	The whole Island.
"	6.37 "		
"	9.55 "		
8th	5.07 a.m.		
17th	10.25 a.m.		
23rd	8.06 p.m.		
27th	12.40 a.m.		
See detailed report on page 5.			

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

## THE ISLAND—APRIL.

The mean rainfall for the Island was in excess of the average in all Divisions.

The greatest total fall for the month was 19.94 inches at Balcarres in the North-Eastern Division, and the heaviest fall in 24 hours was 9.97 inches at Manchioneal in the same Division on the 29th.

The mean number of raindays was 7, the average for the month being 9. Millbank, in the North-Eastern Division, had the greatest number—14.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 10.42 inches was highest; Manchester, with 7.66 inches next; and Westmoreland with 6.97 inches, was third. Kingston, with 1.94 inch, was lowest.

Parish.	1941.	10-year average.	Parish.	1941.	10-year average.
	inches	inches		inches	inches
Kingston	1.94	1.08	St. James	2.83	5.21
St. Andrew	6.30	4.45	Hanover	4.56	6.13
St. Thomas	3.98	4.67	Westmoreland	6.97	7.85
Portland	10.42	10.45	St. Elizabeth	6.86	6.97
St. Mary	5.62	6.63	Manchester	7.66	5.07
St. Ann	2.13	5.62	Clarendon	6.19	4.48
Trelawny	5.63	5.18	St. Catherine	5.36	4.93

## CITY OF KINGSTON.

The total rainfall for the month of April, 1941, amounts to 2.43 inches, as compared to the 60-year normal of 1.17 of an inch. There were four days with appreciable rain, the average being five. The upper boundary of Kingston gauged 2.29 inches with five rain days.

The several directions in which distant rain was observed are, to northward 5, to north-eastward 2, to east 2 to southeast once, to south, southwest and west once each.

The mean barometric pressure was 29.901 inches, the 33-year normal being 29.941 inches, or 0.040 of an inch below the normal. Highest reading 30.019 inches on the 16th at 7 a.m., and the lowest was 29.780 inches on 30th at 7 a.m., corrected for diurnal variation.

Mean temperature was 79.8°, the 33-year normal being 78.2° or 1.6° above the normal. The extreme maximum was 93.4° on the 11th and extreme minimum 66.4° on 17th, giving an extreme monthly range of 27.0°. On the other hand the lowest maximum was 85.5° on the 30th, and the highest minimum 76.9° on the 29th. The maximum was 90° or above on 8 occasions and the minimum was 70° or above on 22 occasions. The greatest daily range was 22.3° on the 15th, and the least range 8.7° on the 30th, a rain day.

The mean daily miles of wind registered was 205, the 25-year normal being 188, or 9% above the normal for April. The greatest number of miles of wind recorded was 477 on the 1st and the least was 120 on the 22nd. South easterly wind appeared before 7 a.m. on two occasions and continued after 7 p.m. 12 times. The greatest hourly velocity was 34 miles per hour on the 20th at 1.40 p.m.

The mean relative humidity was 73%, the 33-year normal being 78%. Mean 7 a.m. 77%, and mean 3 p.m., 61%. Lowest 7 a.m. 61% on the 13th, and the lowest 3 p.m., 41% on 14th.

Overcast conditions prevailed in the early forenoon on 7 occasions, and in the afternoon on 16 occasions.

Total evaporation for the month of April was 9.13 inches, the 10-year average being 7.75 inches. This excess of evaporation may be due to excess of surface wind and higher mean temperature.

Mean daily number of sunshine hours 8.5.

Thunderstorms observed to north on 5 days, to east south-east and south-once.

Moderate "Northers" of short duration on 12th, 13th and 14th.

Complete Solar Halo on 27th at 10 a.m.

## EARTHQUAKES.

During the past twenty-four years the Island of Jamaica has not experienced any intense earthquakes, extending from Negril Point to Morant Point that occasioned much alarm. A shock of exceptional movement occurred on the 20th February, 1917.

On the 7th April, 1941, at 6.30 p.m., an intense seismic movement again occurred and was felt throughout Jamaica. From accounts received from over 100 different places, it has been possible to prepare a map indicating the various degrees of its effects upon material objects and structures in all the parishes. In the western parishes, particularly the southern section of them, the reports shew that cracks appeared in walls of houses and structures and other minor damages occurred. Some of the places where damages of this nature were reported are:—Little London, Bluefields, Whitehouse, Newmarket, Cheltenham, Alligator Pond, Newport, Alley, Lionel Town, Milk River, Thompson Town, Pembroke Hall, Darliston, Browns Hall, Ginger Hill, Porus and Riverside.

At other places articles stacked on shelves were observed falling to the floor—some of the places where such occurrences were reported are as follows:—Mile Gully, Port Maria, Ipswich, Chapelton, Williamsfield, Osborne Store, Troy, Lorrimers, Linstead, Highgate, Point Hill, Buff Bay and Grantham.

The remainder of the Island felt the severity of the shock but no appreciable damages were reported.

There is much evidence produced to infer that the western parishes, including Westmoreland and Hanover, border in a region indicating a geological "fault", known as the "Darliston Epicentre" mentioned by the late Mr. Maxwell Hall in his Treatise on Jamaica Earthquakes, page 2, published in the year 1922. Also in Jamaica Weather Report for the year 1917, No. 467, page 5, Mr. Maxwell Hall, in his investigation of the severe shock of the 20th February 1917, (24 years previously) stated that this shock of the 20th came from Epicentre D, near to Darliston (in Westmoreland). This Epicentre, therefore, becomes more established as possessing this geological "fault".

Before proceeding further it may be desirable to describe, briefly, the construction of the Seismometer for heavier earth shocks, as installed at Kingston since the year 1912. The principle is known as the Duplex Pendulum Seismometer, as described in Professor John Milne's work on "Seismology," page 52 (Edition 1898). The one locally constructed consists of a lead ring about 9 inches in diameter weighing 27 lbs. forming a pendulum hung by three wires about 40 inches long. Under this ring there is an inverted pendulum (much smaller) attached centrally, to the main ring. This forms a combination given stability to the system known as a "steady mass". The inertia of this arrangement renders the pendulum nearly unmovable during an earth shock, which must adapt itself to horizontal movements of over 3 inches, rendering it possible to secure a record on a smoked glass plate of the actual movement of the adjacent ground. This pendulum always remains at rest. The first heavy shock recorded was that of the 20th February, 1917, as shewn on Figure I at end, as well as the most recent one of the 7th April, 1941, Figure II.

By reference to the reproductions made by Photography appearing at the end of this Weather Report, it will be seen that Fig. I suggests a similarity in regard to the extent of the amplitude of horizontal earth movements, with those of Fig. II of the year 1941. The shock of February, 1917 indicated a maximum horizontal movement of 2.57 inches and that for April, 1941, 2.36 inches.

The record Fig. I of February, 1917, shows the maximum amplitude as in a SW to NE direction, with concentrated motions of a minor degree from SE to NW. And the record Fig. II of April, 1941, shows the maximum amplitude of 2.36 ins. on the line running from SSE to NNW, with a shorter movement of 1.95 of an inch, from SE. to NW.

The Photographs, as shown, are enlarged to twice that of the original record on smoked glass, in order that the trace may be more closely studied.

In both of these earthquakes the ground movement was slow in oscillation, therefore preventing the overthrow of structures to any extent. Had the period been more rapid (such as 3 vibrations per second) a number of frail structures would have been shattered.

Subsequent to the conclusions arrived at as to the placing of the locality of greatest intensity, being more marked in the south-western region of the Island, news was received announcing that the United States Seismological Society's investigations had located, by means of many long distance seismographs, the most probable point of the Epicentre as being in the vicinity of Latitude  $17^{\circ} 46'$  north and Longitude  $78^{\circ} 18'$  west. These two determinations are in support of each other. By reference to Chart it will be found to be about 50 miles to the south of Negril Point, which is, coincidentally, very near to the western extremity of the Pedro Bank. This Bank, as shown on the Admiralty Hydrographic Chart, covers a fairly large area to the south of Jamaica and, of course, much submerged, being about 120 miles in length from east to west and 70 miles in width from north to south (at the western end). The edge of this great shoal formation is near to the supposed Epicentre of the 7th April earthquake. Soundings made years ago (year 1880) give the depths of water on the shoal as 16 to 18 fathoms, with a steep anticline to a sea bottom depth of 447 fathoms (about half a mile), a veritable submarine cliff. The geological character of this Pedro Bank at the western section, is described on the chart, for the most part, as of coral and sand or gravel superposed by sea-weeds. Whether any part of this Bank had "shelved" to such an extent as to render it likely to suddenly fracture and fall into the lower depth of sea-floor of 447 fathoms, remains to be solved by subsequent soundings.

From the numerous reports, of this earthquake received, the time of occurrence noted over the Island is given as between 6.30 p.m. to 6.35 p.m. At Kingston it was timed at 6.30 p.m. Most observers, however, give the time as 6.30 p.m. The duration varies greatly. At Kingston it was timed by a watch which gave 62 seconds, somewhat as a prolonged slow shock.

The barometric readings made at Kingston on the 7th April are, at 3 p.m. 29.91 inches and at 7 p.m., 29.90 inches, or about half a tenth below the normal of 29.95 inches. The Island average rainfall for April, 1941, was 5.47 inches as compared to the 60-year normal of 4.77 inches, showing a little above the normal.

The Superintendent of the Negril Point Lighthouse, Mr. Donald Levy, felt the shock severely, but no material damage reported. He stated there was no tidal wave after the shock from the south, but observed the lower stratum of air to be smoky (or misty) to the SSE. and to the south.

That this shock was confined to this Island and not very extensive in radius, is proved by the fact that no reports have been received from Cayman Islands, Cuba or Haiti, as having been felt in these countries adjacent.

Quite a series of minor subsequent shocks has been noted by persons, chiefly situated around the western parts of the Island.

At Kingston a second shock, of far less intensity, was felt at 6.37 p.m. and later on at 9.55 p.m., on the 7th. at 5.07 a.m. on the 8th, on 17th light shock at 10.25 a.m., also on 23rd at 8.06 p.m., and on 27th at 12.40 a.m. lasting about 4 seconds, with a movement of 0.025 of an inch. A few minor shocks and earth rumblings followed for a few weeks, over the Island, which is the usual experience after a severe shock.

It may be noted that besides the geological "fault" known as the "Darliston Epicentre," in Westmoreland there are apparently other localities showing evidence of "faults" such as around Milk River, Linstead, Buff Bay and Riverside, of not such importance as Darliston, reporting slight damages, suggesting the existence of smaller "Epicentres" near to these places so far as the shock of the 7th April is concerned.

In a recent issue of the Scientific American, May, 1941, page 285, there appears an article throwing some light on the theory of "Trigger Actions" by earthquakes. The following is an extract. The heading states: "Odd, sequence of events sets off many of our earthquakes" and says, "Earthquakes are shocks or jars caused when parts of the earth's crust slip past one another. The quakes do not cause the slipping, but the slipping is the cause of the quakes. Cause of the slipping is the gradual accumulation of greater and greater forces since, if this goes on long enough, a slip must occur. Many earth scientists suspect, however, that actually in numerous instances some tiny outside force precipitates the slip when the forces of pressing rocks almost balances the strength of the rocks, much as one could think of a plank which was almost but not quite ready to break, suddenly breaking on the addition of a feather, or under a puff of breath, "Trigger Effects," these are called.

One suspected "Trigger Effect" in the case of some earthquakes is the constantly changing weight of the air bearing down upon the earth, as the weather changes. Something like this is the basis of a theory advanced by Dr. H. Landsberg, Geophysicist at the Pennsylvania University.

It is just possible that most of the earthquakes in Jamaica originated by such "Trigger Action".

Besides the many reports forwarded from different places, after the 7th April shock, indebtedness must be also acknowledged to the Directors of the Gleaner Company in placing at our disposal all the telegrams received concerning this event.

The photo process blocks, giving the Figures I and II, at the end of this Report, were prepared by the Gleaner Company.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
26th May, 1941.

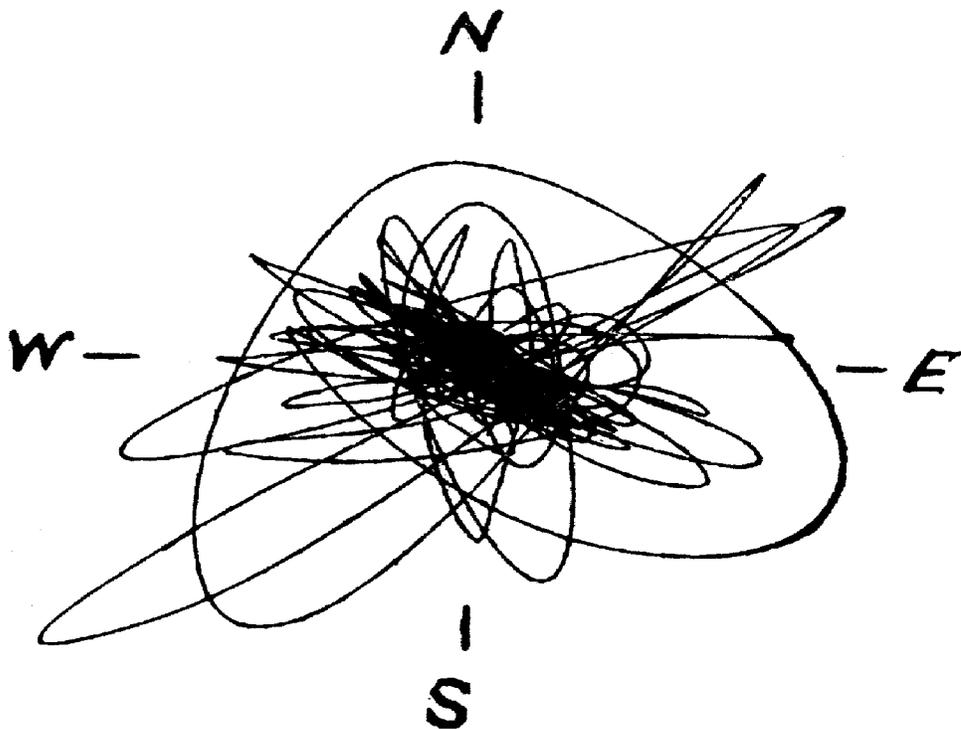


Figure I, Year 1917 February 20th 2 30 P.M.

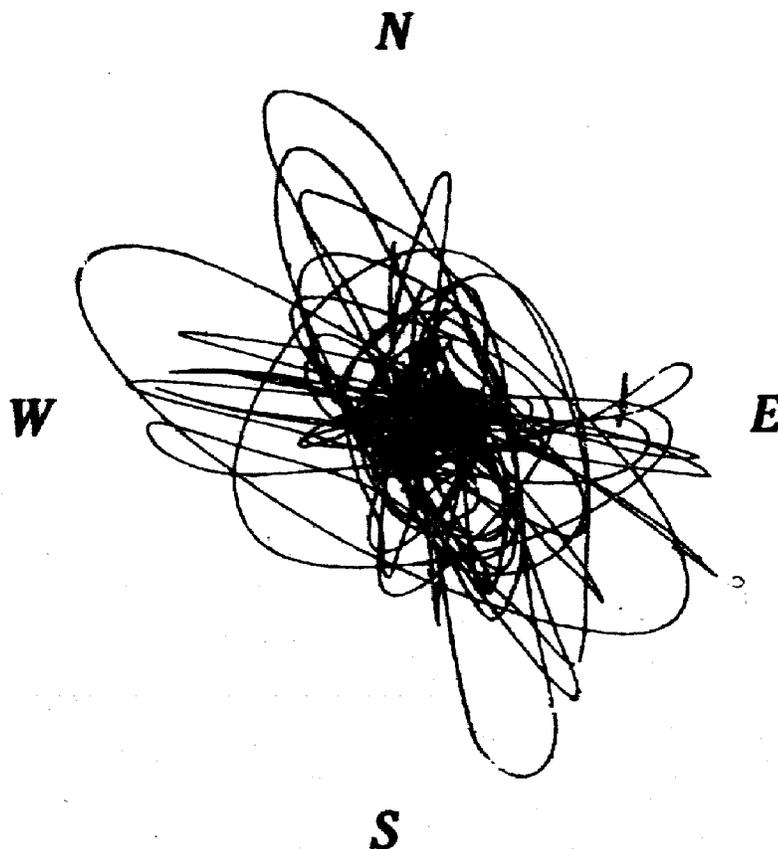
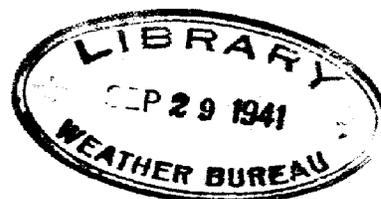


Figure II Year 1941, April 7th 6 30 P.M.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
MAY, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)					Extreme Temperature. (F.)				
		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	29.928	29.895	80.8	82.1	85.7	78.1	7.6	87.7	12	70.1	3	17.6
Kingston	24	29.889	29.850	78.2	86.9	89.6	74.6	15.0	93.3	31	69.6	2	23.7
Negril Point Light House	33	29.885	29.856	78.0	82.9	86.5	74.2	12.3	88.5	22*	69.2	4	19.3
Montego Bay†	33	...	...	77.1	85.6	88.5	73.4	15.1	91.5	7	69.0	5	22.5
Castleton Gardens*	496	...	...	73.7	82.7	84.8	73.0	11.8	89.0	1	65.0	3	24.0
Hope Gardens *	668	29.906	29.838	76.0	84.7	87.6	70.9	16.7	93.0	26	67.0	2*	26.0
Hill Gardens, Blue Mountains*	4,900	25.180	25.168	61.0	65.0	71.0	58.0	13.0	75.0	25	54.0	25	21.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	77	86	78	86	3.92	315	ENE	13.0	E	12.0	3.5	4.0	0.6	3.1	3.5	1.0
Kingston	24	71	79	72	64	1.24	209	NNE	4.7	SE	16.6	2.3	1.7	2.7	3.0	1.8	2.8
Negril Point Light House	33	72	82	74	74	6.41	134	ESE	4.3	ESE	7.5	2.2	1.5	2.4	5.2	2.8	0.3
Montego Bay	33	74	88	77	76	2.32	..	E	3.0	NE	7.0	..	..	..	..	..	..
Castleton Gardens	496	71	95	75	71	8.95	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	71	84	..	..	3.86	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	..	..	..	..	6.23	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

\* Hope Gardens—observations made at 9 a.m. and 3 p.m.

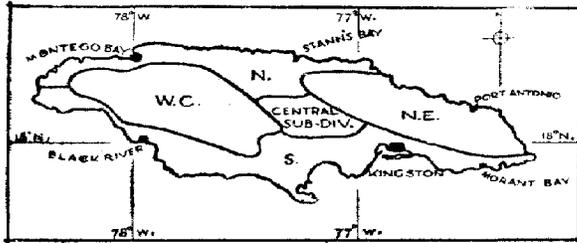
† Montego Bay—observations made at 8 a.m. and 3 p.m.

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



May, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal	2.65	2.05	9	3	12.66
Ecclesdown	22.53	8.93	13	24	
Priestman's River	3.33	1.76	13	5	10.55
Bath	16.61	7.20	13	17	12.33
Barrett's Gap	23.43	6.71	13	17	
Millbank	22.89	5.55	14	24	
Comfort Castle					
Moore Town	22.98	4.75	14	19	16.68
Port Antonio	28.99	12.80	6	16	13.73
Passley Garden	24.51	9.33	6	25	
Fellowship	34.45	9.40	6	23	16.19
Johnson River Br.	9.28	5.20	20	15	9.56
Trinity Ville	7.93	3.20	13	11	
Fruitful Vale	26.67	4.83	14	19	
Hope Bay	22.75	4.28	15	16	
Cedar Valley	7.76	3.00	13	11	9.10
Paradise					
Lennox	26.25	6.00	5	24	
Greenvale	18.81	5.50	14	20	9.27
Darley	22.08	4.80	14	19	
Spring Garden					6.05
Hill Gardens	6.23	2.10	13	12	9.77
Buff Bay	32.25	7.35	13	14	7.97
Buff Bay R. Est.	37.86	12.82	23	21	
Belvedere, Portland	36.30	9.95	23	20	6.08
Windsor Castle, do.	21.05	10.70	13	13	5.86
Balcarres	19.43	4.40	13	14	
Mt. Holstein	8.48	2.41	13	17	10.07
Cedar Hurst	8.75	3.58	13	12	
Hardware Gap	10.04	3.14	12	9	11.24

May, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Rose Hill	9.68	2.00	11	11	12.52
Mount Cressy	9.67	2.90	10		
Hermitage	6.67	1.79	2	15	
Mount Airy	7.40	1.75	11	8	
Stony Hill Ind. Sch.	3.89	1.00	7	10	9.29
Boon Hall					
Brandon Hill	3.99	1.13	1	8	
Enfield	30.39	7.00	26	17	
Agualta Vale	22.49	5.30	13	18	5.76
Castleton Gardens	8.95	2.70	13	9	11.65
Water Valley	20.31	3.00	23	18	7.06
Albany					6.92
Lawrence Tavern	6.61	2.04	2	14	9.18
Wey Hill	4.19	1.82	13	11	
Richmond, St. Mary	21.35	2.87	22	17	7.54
Quebec, St. Mary	20.13	6.70	13	14	6.45
Above Rocks	10.40	2.61	13	11	
Glengoffe	7.10	2.36	14	7	
Carew Castle	8.82	1.78	3	10	9.78
Hampstead, St. Mary	23.60	3.85	23	17	7.33
Windsor Castle do.	19.60	4.25	23	23	
Troja	6.60	1.39	13	12	
Pear Tree Grove	5.49	1.40	13	9	
Guy's Hill	17.28	4.26	11	15	7.46
Lucky Hill	20.01	3.31	22	19	8.48
Rio Hoe	10.35	2.00	10	15	8.12
Unity Valley	10.42	2.55	14	15	9.79
Moneague	10.38	2.73	10	17	8.76
Claremont	13.46	3.40	1	13	7.08
Averham Park	12.17	2.26	14	18	7.26
Albion	10.88	2.13	11	13	8.30
<b>NORTHERN DIVISION (N)</b>					
Port Maria	15.01	6.95	13	17	6.31
Wentworth	12.95	7.30	13	11	
Jacks River	15.95	8.05	13	18	
Oracabessa	20.16	9.50	13	14	
Huddersfield	16.25	6.07	13	21	
Exchange	13.79	4.46	13	9	
Ocho Rios	20.08	4.73	13	18	5.22
Rockfield	19.46	4.95	23	22	5.94
Liberty Hill	7.67	3.00	13	15	4.72
St. Ann's Bay					5.30
Richmond Estate	16.66	4.13	13	17	6.14
Runaway Bay	11.83	2.80	13	11	2.23
Knapdale	18.73	8.53	23	18	
Alexandria	5.42	1.50	13	10	7.29
Bel-Air	17.55	3.30	23	14	
Brown's Town	13.64	3.31	11	14	8.61
Wilton	15.70	5.30	23	16	
Watt Town, St. Ann	5.93	1.54	13	11	8.24
Home Castle	16.10	7.30	23	10	5.60
Stewart Town	8.07	2.02	13	13	
Arcadia	13.53	7.10	23	12	4.89
Vale Royal	12.73	6.32	23	14	5.82
Harmony Hall					4.49
Duncans	9.57	1.96	23	13	
Clark's Town	10.15	2.50	23	13	
Falmouth	9.47	1.44	13	14	4.48

STATIONS.	May, 1941.					STATIONS.	May, 1941.				
	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.		
<b>NORTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>WEST-CENTRAL DIVISION, contd.</b>	Ins.	Ins.			Ins.
Adelphi	7.67	3.75	23	10		Mereworth	9.51	2.40	6	16	
Barrett Hall					4.25	Mandeville	10.56	3.22	13	14	9.93
Success					4.24	Ulster Spring	11.23	2.15	16	11	11.90
Rose Hall					4.78	Greenvale	10.09	2.37	11	11	
Cinnamon Hill					6.05	Albert Town	7.66	2.25	11	7	10.58
Tryall					4.74	Craig Head	8.33	1.63	13	11	
Running Gut					4.28	Warsop	14.93	3.50	10	16	
Spring Estate					7.85	Troy	9.24	3.10	11	14	14.60
Friendship	4.03	1.02	24	13	8.50	Wallingford	6.41	1.12	10	18	11.80
Retirement	4.75	1.40	24	13		Balacava	7.50	1.29	11	14	12.13
Rose Mount					7.12	Braes River	9.58	2.50	10	14	
Montego Bay	2.32	0.57	27	7	8.00	Wakefield	6.15	1.45	23	13	
Anchovy	5.93	1.48	23	16	12.10	Aberdeen	7.63	2.00	10	15	
Hopewell	5.13	1.80	24	12		Accompong	11.47	3.96	10	13	
Blue Hole	5.70	1.10	11	12		Maggotty	9.17	2.45	10	13	13.21
Cascade	11.21	2.73	11	18		Lacovia	4.92	1.52	30	10	
Lucea	7.97	1.96	7	15	8.53	Mulgrave	16.24	3.65	11	19	
Haughton Court	8.95	2.59	6	15	8.89	Holland					
Kendal—Hanover	9.08	1.50	23	15		Ipswich	11.83	1.90	14	17	
Cousins Cove	7.89	1.94	25	15		Ginger Hill					
Green River	6.68	1.26	28	14		Kempshot	9.33	2.53	11	17	10.19
Green Island	5.40	1.14	27	11	9.84	Mocho, St. James	16.50	6.00	11	11	
Haughton Hall	5.02	1.25	23	14		Catadupa	13.63	3.80	11	16	15.76
<b>CENTRAL SUB-DIVISION.</b>						Cambridge	4.39	0.71	11	14	13.30
Knollis	9.23	1.66	13	12		New Market	10.06	3.26	10	14	12.50
Highgate (St. Cath.)	10.22	1.77	25	19		Springfield					
Rio Magno	0.98	0.38	21	4		Kew Park	7.45	2.07	9	12	12.97
Riversdale						The Bog	7.93	1.61	17	14	14.15
Headworks, R.C.C.	7.92	1.57	14	12	7.31	Bethel Town Dist.	11.71	2.45	16	13	16.95
Bog Walk	9.65	1.75	3	4		Burnt Ground	5.43	1.00	9	13	13.74
Linstead	12.58	2.77	13	15	9.69	Haughton Grove	7.33	1.70	11	9	13.98
Ewarton	8.66	2.77	13	9		Knoekalva	5.15	1.67	11	13	
Cave Valley	10.69	3.10	13	11	9.10	Darlston	10.42	2.70	11	10	16.30
Guanaboa Vale	12.99	5.40	11	12		Bluefields	6.96	1.12	14	12	11.86
Point Hill	18.81	3.48	11	18	11.11	Whithorn	9.27	2.17	11	10	13.29
Brown's Hall	16.36	3.40	10	18	8.38	Water Works Pen	12.31	3.05	21	14	11.86
Bellas Gate	8.82	2.52	13	11	5.57	Williamsfield, Wld.	14.38	4.00	17	14	
Rock River	3.10	1.05	3	5		Petersfield	11.17	3.08	11	13	
Crofts Hill	9.26	2.45	3	13	7.16	Baulk	11.55	2.22	17	14	
Kellitss	11.75	2.34	13	14		Askenish	7.04	1.75	27	15	12.65
Suttons	3.91	1.80	11	14		Grange Hill	10.98	3.00	24	12	13.44
Colonel's Ridge	8.30	2.85	13	12		Mount Eagle	8.30	2.50	24	12	
Chapelton	6.71	1.85	13	17	8.55	King's Vale	5.44	1.26	11	11	11.38
Crooked River	10.94	2.95	10	15		<b>SOUTHERN DIVISION. (S.)</b>					
James Hill	11.52	2.74	13	13		Morant Point L.H.	3.92	1.95	13	11	8.68
Frankfield	11.48	2.76	11	13	7.52	Golden Grove					
<b>WEST-CENTRAL DIVISION (W.C.)</b>						Pleasant Hill	16.54	9.05	13	17	7.69
Mocho, Clarendon	7.76	3.49	13	12	9.71	East Prospect	12.93	7.48	13	14	8.88
Thompson Town	10.57	3.36	13	13		Morant Bay	10.78	5.02	13	12	7.31
Clarendon Park	5.68	1.60	11	12		Lloyds	5.20	2.71	13	13	
Porus						Yallahs	4.90	2.53	14	11	
Borobridge	9.05	2.30	13	12		Easington	5.00	2.30	13	8	6.26
Spaldings	12.29	2.50	13	15	7.74	Mavis Bank	6.27	1.66	13	12	
Williamsfield	8.78	1.76	13	18		Bull Bay	1.87	0.82	13	3	3.87
Brokenhurst	9.44	1.82	6	15	9.59	Dallas Castle	4.53	1.41	13	11	
Shooter's Hill	5.23	1.05	11	14	7.34	Gordon Town	6.07	1.76	10	6	7.13
Wait-a-bit	10.05	1.98	3	18		Irish Town	3.35	1.00	13	7	6.56
Christiana	9.72	2.61	11	13	10.69	Hope Gardens	3.86	1.26	10	12	6.23
Holmwood	11.47	2.53	10	15		Bamboo Pen	2.95	1.40	10	7	
Clifton Hill	9.57	2.80	13	11	6.97	Plumb Point L.H.	0.25	0.15	14	2	4.57
Kendal, Manchester	7.28	1.20	13	16	9.83						

STATIONS.	May, 1941.					STATIONS.	May, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar. . .	2.90	1.50	14	6	5.84	Newport, Man. . .	6.82	2.37	13	9	8.02
Up-Park Camp . . .	1.00	0.42	14	6	..	Alligator Pond . . .	6.18	3.65	13	4	5.15
Cavaliers . . .	0.89	0.45	14	9	..	Myersville . . .	5.41	1.34	11	8	..
St. George's College . . .	..	..	..	..	..	Goshen . . .	4.86	1.00	4	11	..
Upper Kingston . . .	1.16	0.73	10	9	2.44	Munro . . .	5.60	1.40	13	15	..
Parade Garden . . .	1.27	1.01	11	3	..	Windsor, St. Eliz. . .	7.96	2.08	16	16	..
Kingston P.W.O. . .	1.24	0.88	10	9	4.01	Torrington . . .	5.73	2.15	16	8	6.26
Constant Spring . . .	4.22	2.27	2	8	..	Santa Cruz . . .	7.62	1.95	10	15	11.02
Halfway Tree . . .	1.40	0.50	14	6	4.63	Hounslow . . .	5.72	1.72	16	10	..
Clifton Pen . . .	2.29	1.05	10	8	3.94	Pedro Plains . . .	6.21	1.96	13	9	3.48
Seaward Pen . . .	..	..	..	..	..	Mountainside . . .	5.73	1.52	13	8	3.73
Red Hills . . .	7.83	2.23	14	11	..	Fort Charles . . .	6.18	2.20	16	5	..
Quarantine Station . . .	1.69	0.70	1	13	3.33	Black River . . .	4.84	1.30	14	9	6.57
Hematine . . .	3.75	1.74	13	7	6.19	Mt. Charles . . .	5.23	1.35	22	15	..
Spanish Town . . .	4.25	1.96	13	9	5.82	Font Hill . . .	..	..	..	..	7.40
Hog Hole, St. Cath. . .	4.77	2.47	14	9	6.65	Mount Edgewcombe . . .	7.55	1.92	25	13	8.37
Old Harbour . . .	4.63	2.35	23	8	5.85	Sav.-la-Mar . . .	4.75	1.20	11	12	8.60
May Pen . . .	7.78	3.04	13	12	6.44	Little London . . .	10.46	4.45	11	16	9.89
Glen Muir . . .	9.75	4.25	13	8	..	Retreat . . .	6.03	3.06	11	10	9.03
Cottage . . .	3.02	0.56	12	8	..	Negril Point L.H. . .	6.41	1.51	23	13	6.25
Belle Plain . . .	11.58	3.00	13	13	..						
Milk River . . .	8.76	3.72	13	9	5.60						
Retrieve . . .	8.53	1.60	11	10	4.77						
Stone's Hope . . .	8.10	1.76	26	13	8.51						

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	May.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern . . .	15.87	9.76	15	13
Northern . . .	10.51	6.90	13	10
West-central . . .	8.75	12.06	13	15
Southern . . .	5.83	6.35	10	10
The Island means	10.24	8.77	13	12

SHOCKS OF EARTHQUAKE IN MAY, 1941.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
2nd	5.40 p.m.	I	} East Prospect.
18th	5.42 "	I	
18th	9.45 "	I	Munro
19th	9.47 "	I	Unity Valley.

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

## THE ISLAND—MAY.

The mean rainfall for the Island was somewhat above the average. The North-eastern and Northern Divisions were in excess, but the West-central and Southern Divisions were deficient.

The greatest total fall for the month was 37.86 inches at Buff Bay River Estate in the North-eastern Division, and the heaviest fall in 24 hours was 12.82 inches at the same station on the 23rd.

The mean number of rain days was 13, the average for the month being 12. Passley Garden, in the North-eastern Division had the greatest number—25.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 23.01 inches, was highest; St. Mary, with 18.10 inches, next; and St. Ann, with 13.04 inches, was third. Kingston with 0.98 inch, was lowest.

Parish.	1941.	10-year Average.	Parish.	1941.	10-year Average.
	inches.	inches.		inches.	inches.
Kingston	0.98	1.90	St. James	7.62	8.79
St. Andrew	5.17	5.73	Hanover	6.89	11.00
St. Thomas	10.36	5.30	Westmoreland	8.95	10.77
Portland	23.01	9.96	St. Elizabeth	7.54	6.86
St. Mary	18.10	7.74	Manchester	8.64	5.91
St. Ann	13.04	6.90	Clarendon	8.59	5.67
Trelawny	10.23	7.45	St. Catherine	8.60	6.31

## CITY OF KINGSTON.

The total rainfall for the month of May was 1.24 inch, as compared to the 70-year normal of 3.89 inches, hence the "seasons" rainfall so far as the Kingston area is concerned, was less than one-third of the average. There were 9 days with appreciable rainfall. The greatest fall in 24 hours was 0.88 of an inch on the 10th. The upper boundary of Kingston gauged 1.16 of an inch, with 9 rain days.

The several directions in which distant rain was observed are as follows:—To north, north-east and east on 2 days each, to south and west on 3 each, and to north-west on 2.

Distant thunderstorm to north, west and north-west on the 14th and to the south on the 23rd.

The mean barometric pressure was 29.875 inches, the 33-year normal being 29.910 inches, showing 0.035 inch below the normal. Highest reading 29.952 inches on the 28th at 3 p.m. and the lowest was 29.729 inches on the 1st at 7 a.m., corrected for diurnal variation.

Mean temperature based upon four observations per day, was 81.8°, the 33-year normal being 79.7° or 2.1° above the normal. Extreme maximum 93.3° on the 31st, and extreme minimum 69.6° on the 2nd, giving a monthly range of 23.7°. On the other hand, the lowest maximum was 85.2° on the 11th, and the highest minimum 80.0° on the 8th. The maximum was 90° or above on 14 occasions. The minimum was 70° or above on 30 occasions. The greatest daily range was 19.9° on the 31st, and the least range 7.0° on the 8th.

The mean daily miles of wind registered was 209, which corresponds to the 25-year average. Greatest number of miles of wind registered was 395 on the 29th. Least was 98 miles on 14th. Greatest velocity, of short duration, was 30 miles per hour on the 30th.

The mean relative humidity was 76%, the 33-year average being 79%. Mean 7 a.m. 79% and mean 3 p.m. 64%. Lowest 7 a.m. 66% on the 31st, and lowest 3 p.m. 49% on the 29th and 31st.

Overcast conditions prevailed in the forenoon on 19 occasions and in the afternoon on 23.

Total evaporation for the month 8.41 inches, the 10-year average being 7.91 inches.

Mean daily number of sunshine hours 8.0.

Complete solar halos were seen on the 4th, 7th and 8th. Also a lunar halo appeared on the 8th at 9 p.m.

A brilliant meteor, moving from south-west to north-east, was seen by many persons on the 4th at about 4.30 a.m.

J. F. BRENNAN,  
Government Meteorologist.

Weather Office, Kingston.  
June 20th, 1941.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
JUNE, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson's Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)				Extreme Temperature (F.)					
		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	30.007	29.971	82.5	85.9	87.9	79.2	87.7	91.1	15	73.5	12	17.6
Kingston	24	29.968	29.922	80.5	88.1	91.4	75.6	15.8	94.4	1	71.9	11	22.5
Negril Point Light House	33	29.963	29.934	79.3	84.9	88.6	73.8	14.8	90.7	29	71.7	15	19.0
Montego Bay †	33	..	..	76.7	88.7	92.4	72.9	19.5	96.0	14	70.5	19	25.5
Castleton Gardens*	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens*	668	29.971	29.896	80.6	89.4	91.3	72.0	19.3	94.0	16*	69.0	11	25.0
Hill Gardens, Blue Mountains*	4,900	25.244	25.198	61.1	66.7	74.3	..	..	78.0	8*	57.0	11	21.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.		3 p.m.			
Morant Point Light House	8	77	86	77	76	1.09	345	E	14.0	E	13.0	2.9	3.1	1.1	2.4	2.9	1.3
Kingston	24	70	71	74	64	0.31	237	NE	4.7	SE	19.4	0.3	1.0	2.1	2.7	2.2	1.5
Negril Point Light House	33	72	79	76	73	2.30	110	E	3.3	SSE	7.7	0.3	0.7	3.6	3.8	4.2	0.1
Montego Bay	33	74	91	80	76	1.57	..	E	..	NE	..	..	..	..	..	..	..
Castleton Gardens	496	†	†	†	†	3.50	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	71	70	73	56	1.18	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	55	78	61	80	0.67	..	..	..	..	..	..	..	..	..	..	..

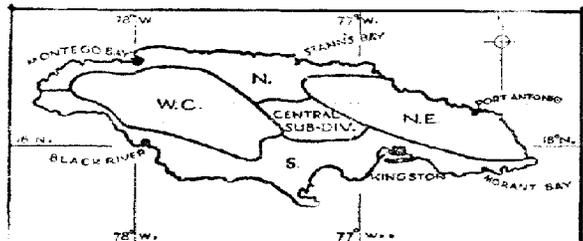
\* And on other days. \*Hope Gardens—observations made at 9 a.m. and 3 p.m.  
†Montego Bay—observations made at 8 a.m. and 3 p.m.  
‡Not taken.

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



June, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
June, 1941.					
<b>NORTH-EASTERN DIVISION (N.E.)</b>					
Manchioneal	2.28	0.72	24	7	6.76
Ecclesdown	5.56	1.28	4	22	
Priestman's River	1.43	0.49	16	4	4.99
Bath	5.61	0.73	4	17	10.91
Barrett's Gap	5.69	0.66	27	22	
Millbank	16.47	4.68	21	22	
Comfort Castle					
Moore Town	15.46	2.10	21	17	18.56
Port Antonio	5.44	1.35	22	11	14.32
Passley Garden	6.13	1.66	30	19	
Fellowship	11.40	3.30	30	17	17.26
Johnson River Br.	5.10	0.88	30	15	11.52
Trinity Ville	4.42	0.90	30	12	
Fruitful Vale	6.18	1.55	30	9	
Hope Bay	6.80	1.60	30	10	
Cedar Valley	2.57	0.88	21	8	11.22
Paradise					
Lennox	9.11	4.00	2	13	
Greenvale	4.32	1.50	4	8	3.66
Darley	6.17	2.29	30	14	
Spring Garden	4.07	1.35	30	7	3.92
Hill Gardens	0.67	0.25	12	6	6.73
Buff Bay	3.98	1.07	30	8	6.60
Buff Bay R. Est.	5.24	1.90	1	10	
Belvedere, Portland	3.85	1.20	1	8	1.98
Windsor Castle, do.	7.30	5.20	1	4	5.00
Balcarras	5.89	1.78	4	6	
Mt. Holstein	3.81	2.04	10	9	5.54
Cedar Hurst	1.14	0.66	10	7	
Hardware Gap	2.97	2.03	24	6	6.58
<b>NORTH-EASTERN DIVISION, contd.</b>					
Rose Hill	3.95	1.16	10	10	6.18
Mount Cressy	3.46	1.60	4		
Hermitage	2.53	1.20	25	9	
Mount Airy	3.62	0.96	3	6	
Stony Hill Ind. Sch.	1.78	0.88	25	5	6.53
Boon Hall					
Brandon Hill	1.97	0.43	3	8	
Enfield	6.69	2.00	7	7	
Agualta Vale	2.23	1.00	1	7	2.93
Castleton Gardens	3.50	2.00	3	5	2.82
Water Valley	2.86	1.60	1	7	3.74
Albany					3.01
Lawrence Tavern	1.34	0.33	21	8	6.27
Wey Hill	4.83	1.28	10	10	
Richmond, St. Mary	0.98	0.45	10	5	4.69
Quebec, St. Mary					4.48
Above Rocks	2.94	1.40	24	9	
Glengoffe	5.12	2.70	24	6	
Carew Castle	3.99	1.64	24	7	8.51
Hampstead, St. Mary	1.50	0.70	3	4	3.57
Windsor Castle do.	1.66	0.40	3	7	
Troja	3.93	1.27	2	5	
Pear Tree Grove	1.55	1.55	2	1	
Guy's Hill	1.62	0.53	3	7	5.74
Lucky Hill	1.67	0.64	4	8	3.66
Rio Hoe	2.04	0.60	2	6	7.47
Unity Valley	2.10	0.55	13	9	7.72
Moneague	1.67	0.55	13	11	7.39
Claremont	1.45	0.49	22	7	5.04
Averham Park	3.92	1.62	3	15	4.94
Albion	2.61	0.62	13	6	6.16
<b>NORTHERN DIVISION (N.)</b>					
Port Maria	4.02	1.75	30	13	4.86
Wentworth					
Jacks River	4.18	1.67	30	12	
Oracabessa	4.47	1.85	30	9	
Huddersfield	4.80	1.40	30	10	
Exchange	1.35	0.65	30	4	
Ocho Rios	1.31	0.71	12	2	3.16
Rockfield	3.23	0.96	3	9	3.10
Liberty Hill					3.58
St. Ann's Bay	0.92	0.58	5	4	3.67
Richmond Estate	0.95	0.53	22	5	4.10
Runaway Bay	0.90	0.51	4	2	1.19
Knapdale	2.53	1.32	4	7	
Alexandria	1.30	0.72	11	4	3.18
Bel-Air	1.25	0.75	4	6	
Brown's Town	4.99	1.75	4	9	3.55
Wilton	3.86	1.80	4	10	
Watt Town, St. Ann	2.30	1.08	11	6	3.86
Home Castle	3.40	1.90	4	4	3.60
Stewart Town	2.30	0.55	12	8	
Aradia	0.72	0.35	4	3	3.70
Vale Royal	1.94	0.92	25	6	4.09
Harmony Hall					2.56
Duncans	0.36	0.36	25	1	
Clark's Town	1.52	0.52	23	6	
Falmouth	0.00			0	2.48

STATIONS.	June, 1941.					STATIONS.	June, 1941.				
	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.		
<b>NORTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>WEST-CENTRAL DIVISION, contd.</b>	Ins.	Ins.			Ins.
Adelphi ..	3 58	0 70	22	10	..	Mereworth ..	2 17	1 00	9	6	..
Barrett Hall ..	..	..	..	..	..	Mandeville ..	1 72	0 54	12	4	2 82
Success ..	..	..	..	..	2 19	Ulster Spring ..	1 43	0 51	9	7	6 31
Rose Hall ..	..	..	..	..	2 70	Greenvale ..	2 00	1 00	30	3	..
Cinnamon Hill ..	..	..	..	..	2 78	Albert Town ..	1 62	0 50	9	4	5 35
Tryall ..	..	..	..	..	5 08	Craig Head ..	2 32	1 06	24	3	..
Running Gut ..	..	..	..	..	2 86	Warsop ..	1 88	0 65	30	6	..
Spring Estate ..	..	..	..	..	2 63	Troy ..	1 25	0 40	3	5	8 13
Friendship ..	4 85	2 50	4	9	6 04	Wallingford ..	1 87	0 64	9	7	5 05
Retirement ..	4 24	1 03	4	9	6 82	Balaclava ..	2 10	1 25	9	5	4 52
Rose Mount ..	..	..	..	..	..	Braes River ..	2 13	1 92	9	2	..
Montego Bay ..	1 57	0 49	25	9	6 17	Wakefield ..	4 03	1 23	20	12	..
Anchovy ..	5 16	1 67	30	13	6 78	Aberdeen ..	2 18	1 11	29	6	..
Hopewell ..	5 78	1 60	20	10	..	Accompong ..	5 43	3 43	29	7	..
Blue Hole ..	6 91	3 47	20	10	11 30	Maggotty ..	3 06	1 31	9	8	6 53
Cascade ..	12 22	3 05	11	19	..	Lacovia ..	..	..	..	..	..
Lucea ..	6 63	1 67	30	15	7 90	Mulgrave ..	5 20	1 35	29	13	..
Haughton Court ..	8 55	3 70	30	15	8 17	Holland ..	7 88	3 48	21	7	..
Kendal—Hanover ..	13 25	2 48	25	19	..	Ipswich ..	5 24	1 60	29	12	..
Cousins Cove ..	..	..	..	..	..	Ginger Hill ..	..	..	..	..	..
Green River ..	9 80	1 35	21	17	..	Kempshot ..	7 50	1 42	4	13	8 57
Green Island ..	10 88	1 42	22	17	11 93	Mochó, St. James ..	12 16	2 56	11	12	..
Haughton Hall ..	..	..	..	..	..	Catadupa ..	11 56	2 03	8	18	9 83
<b>CENTRAL SUB-DIVISION.</b>	..	..	..	..	..	Cambridge ..	10 64	2 08	4	16	9 97
Knollis ..	0 80	0 70	15	2	..	New Market ..	7 57	1 31	29	11	7 99
Highgate (St. Cath.) ..	3 68	2 61	9	6	..	Springfield ..	..	..	..	..	..
Rio Magno ..	5 72	2 26	10	6	..	Kew Park ..	11 14	2 00	25	14	9 21
Riversdale ..	7 26	2 04	11	11	..	The Bog ..	8 37	1 82	1	12	8 37
Headworks, R.C.C. ..	2 53	1 70	9	4	4 56	Bethel Town Dist. ..	8 57	1 60	16	13	11 15
Bog Walk ..	1 11	0 50	9	4	..	Burnt Ground ..	11 31	2 70	10	17	10 07
Linstead ..	2 59	1 40	20	7	7 24	Haughton Grove ..	11 90	2 10	25	14	..
Ewarton ..	3 64	1 46	21	4	..	Knockalva ..	6 78	2 60	26	10	..
Cave Valley ..	2 40	0 55	12	8	7 11	Darliston ..	13 61	2 48	10	23	10 53
Guanaboa Vale ..	1 44	0 58	9	4	..	Bluefields ..	4 86	1 15	9	10	9 42
Point Hill ..	2 07	0 70	7	5	8 23	Whithorn ..	4 60	0 73	8	10	10 16
Brown's Hall ..	1 89	0 90	21	7	9 18	Water Works Pen ..	5 71	0 75	23	14	8 87
Bellas Gate ..	2 08	0 95	28	5	1 82	Williamsfield, Wld. ..	9 95	2 10	4	15	..
Rock River ..	2 15	0 75	4	4	..	Petersfield ..	4 76	0 67	15	15	..
Crofts Hill ..	2 86	0 78	9	6	3 52	Baulk ..	13 68	3 45	25	17	..
Kellit's ..	1 02	0 30	30	5	..	Askenish ..	16 90	2 25	25	19	15 10
Suttons ..	..	..	..	..	..	Grange Hill ..	12 28	3 87	26	22	11 09
Colonel's Ridge ..	1 76	0 85	24	7	..	Mount Eagle ..	12 12	4 61	25	19	..
Chapelton ..	2 17	0 71	21	7	5 98	King's Vale ..	8 96	1 72	25	18	11 84
Crooked River ..	3 04	0 70	20	8	..	<b>SOUTHERN DIVISION (S.)</b>	..	..	..	..	..
James Hill ..	2 56	0 83	23	6	..	Morant Point L. H. ..	1 09	0 40	11	13	5 59
Frankfield ..	1 53	0 49	20	6	4 37	Golden Grove ..	..	..	..	..	..
<b>WEST-CENTRAL DIVISION (W.C.)</b>	..	..	..	..	..	Pleasant Hill ..	2 01	0 33	13	13	3 79
Mochó, Clarendon ..	1 15	0 95	21	4	6 25	East Prospect ..	2 27	0 80	30	8	6 38
Thompson Town ..	..	..	..	..	..	Morant Bay ..	3 00	0 91	30	12	7 59
Clarendon Park ..	..	..	..	..	..	Lloyds ..	3 39	1 06	30	10	..
Porus ..	1 01	0 85	12	2	..	Yallahs ..	2 13	0 50	30	5	..
Borobridge ..	1 83	0 70	20	7	..	Easington ..	4 02	1 07	5	8	7 36
Spaldings ..	1 31	0 60	20	3	4 10	Mavis Bank ..	0 48	0 12	12	4	..
Williamsfield ..	2 74	1 02	12	6	..	Bull Bay ..	2 10	0 88	9	5	3 90
Brokenhurst ..	1 12	0 62	9	4	9 92	Dallas Castle ..	0 37	0 17	12	8	..
Shooter's Hill ..	2 62	1 03	21	8	4 86	Gordon Town ..	0 42	0 21	9	2	4 40
Wait-a-bit ..	1 93	0 80	8	10	..	Irish Town ..	3 18	2 50	24	6	3 93
Christiana ..	1 45	0 63	20	5	5 96	Hope Gardens ..	1 18	0 63	29	7	4 66
Holmwood ..	2 53	1 05	20	6	..	Bamboo Pen ..	0 85	0 40	24	6	..
Clifton Hill ..	2 73	0 75	9	5	4 06	Plumb Point L. H. ..	0 40	0 34	13	2	3 85
Kendal, Manchester ..	2 28	0 85	21	5	7 05	..	..	..	..	..	..

STATIONS.	June, 1941.					STATIONS.	June, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar.	1.91	0.49	25	6	3.82	Newport, Man.	1.44	0.90	9	2	6.99
Up-Park Camp	0.77	0.36	9	3	..	Alligator Pond	1.12	0.60	30	3	3.65
Cavaliers	0.88	0.48	29	3	..	Myersville	0.55	0.25	17	3	..
St. George's College	..	..	..	..	..	Goshen	0.77	0.53	10	2	..
Upper Kingston	0.78	0.32	29	6	0.99	Munro	1.67	1.06	9	5	..
Parade Garden	0.22	0.17	28	2	..	Windsor, St. Eliz.	1.01	0.50	9	4	..
Kingston P.W.O.	0.31	0.15	29	4	3.53	Torrington	0.97	0.50	12	2	3.05
Constant Spring	3.50	2.20	10	7	..	Santa Cruz	2.15	0.77	9	7	5.15
Halfway Tree	1.13	0.50	29	5	3.24	Hounslow	0.84	0.48	9	2	..
Clifton Pen	0.93	0.75	29	4	3.43	Pedro Plains	0.86	0.50	10	2	2.10
Seaward Pen	..	..	..	..	..	Mountainside	0.40	0.20	2	2	2.04
Red Hills	2.16	0.93	25	8	..	Fort Charles	0.52	0.52	11	1	..
Quarantine Station	0.84	0.58	10	11	2.19	Black River	1.48	0.83	9	3	3.58
Hematine	0.52	0.30	9	2	2.41	Mt. Charles	6.91	2.22	21	11	..
Spanish Town	0.27	0.18	12	2	4.08	Font Hill	..	..	..	..	4.74
Hog Hole, St. Cath.	0.47	0.24	9	2	4.43	Mount Edgecombe	5.96	2.01	10	15	6.11
Old Harbour	0.26	0.26	12	1	5.30	Sav.-la-Mar	2.94	1.64	30	8	6.61
May Pen	2.27	1.22	9	..	5.11	Little London	5.03	1.18	9	10	8.52
Glen Muir	1.99	6.80	9	2	..	Retreat	1.32	0.48	29	8	7.39
Cottage	1.18	0.70	12	5	..	Negril Point L. H.	2.30	0.43	29	12	5.51
Belle Plain	1.57	0.87	12	3	..						
Milk River	1.17	0.61	12	4	4.88						
Retrieve	0.84	0.60	12	3	2.74						
Stone's Hope	2.19	0.72	12	5	7.44						

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	June.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern	3.62	7.51	9	11
Northern	3.20	5.10	8	9
West-central	5.64	8.57	10	13
Southern	1.53	4.93	5	8
The Island means	3.50	6.53	8	10

SHOCKS OF EARTHQUAKE IN June, 1941.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
2nd	6.19 p.m.	I	Munro
"	"	I	Mochó St. Jas.
7th	..	I	do. do.
19th	5.05 p.m.	I	Unity Valley

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

## THE ISLAND.—JUNE.

The mean rainfall for the Island was much below normal in all Divisions, being only a little over half the 60-year average.

The greatest total fall for the month was 16.90 inches at Askenish in the West Central Division and the heaviest fall in 24 hours was 5.20 inches at Windsor Castle, Portland in the North Eastern Division on the 1st.

The mean number of rain days was 8 the average for the month being 10. Darliston in the West Central Division had the most—23.

The mean rainfall in each parish is given below. Compared with the 10-year average. Hanover, with 9.88 inches, was highest. Westmoreland, with 7.48 inches, was second; and St. James, with 6.81 inches, was third. Kingston, with 0.45 inch, was lowest.

Parish.	1941.	10-year average.	Parish.	1941.	10-year average.
	inches	inches		inches	inches
Kingston ..	0.45	.42	St. James ..	6.81	6.85
St. Andrew ..	1.88	4.21	Hanover ..	9.88	10.83
St. Thomas ..	3.44	8.64	Westmoreland ..	7.48	8.58
Portland ..	6.29	8.19	St. Elizabeth ..	2.38	4.46
St. Mary ..	3.34	4.86	Manchester ..	1.90	6.62
St. Ann ..	2.22	4.67	Clarendon ..	1.79	5.31
Trelawny ..	1.58	5.41	St. Catherine ..	2.45	5.71

The total rainfall for the first half of the year is given below. Compared with the 60 year average, and shows an excess of 3.08 inches.

	1941.	60-year average.
	inches	inches
January ..	5.10	4.00
February ..	6.40	3.13
March ..	2.89	3.35
April ..	5.47	4.77
May ..	10.24	8.77
June ..	3.53	6.53
	33.63	30.55

## CITY OF KINGSTON.

The total rainfall for the month of June, 1941, was 0.31 of an inch, as compared to the 60-year average of 3.51 inches, or about one-eleventh of the average. There were four days with appreciable rainfall, and the greatest fall in 24 hours was 0.15 of an inch on the 29th. The upper boundary of Kingston gauged 0.78 of an inch with six rain days.

The several directions in which distant rain was observed are as follows:—To north on 7 occasions to north-east, once; to east four, and to west twice.

Distant lightning to north on evening of the 5th. Distant thunderstorm to north on 6 days, to northeast once, to east 3, and to west twice. Local thunderstorm on 9th at 6.20 p.m.; sharp flash of lightning, with distant thunder around.

The mean barometric pressure was 29.952 inches, the 33-year normal being 29.932 inches, or 0.020 of an inch above the normal. Highest reading was 30.002 inches on the 12th at 3 p.m., and the lowest 29.890 inches on the 1st and 30th at 3 p.m. (Corrected for diurnal variation.)

The mean temperature for the month was 83.4°, the 33-year normal being 80.9° or 2.5° above the normal. Highest maximum 94.4° on the 1st and lowest minimum 71.9° on the 11th. The extreme monthly range was therefore 22.5°. The maximum was 90° or above on 26 days, this being the greatest record for over twelve years. On the other hand, the lowest maximum was 80.3° on the 12th and the highest minimum 77.9° on the 22nd. Greatest range 19.2° on the 7th and least range 2.5° on the 12th, a day of light rain.

The mean daily miles of wind registered was 237, the 25-year normal being 239 or about 1% below the normal. The greatest number of miles of wind recorded in 24 hours was 383 on the 14th and the least 107 on the 12th. The greatest velocity was 42 miles per hour of short duration, on the 13th at 2.20 p.m. Southeast squalls on 6th at 9.40 a.m. and on 13th at 2.15 p.m. Southeast wind rose early twice and continued after 7 p.m. 18 times and throughout the night twice.

The mean relative humidity was 71%, the 33-year normal being 78%, or 7% below the normal. The mean 7 a.m. was 71% and the mean 3 p.m. 64%. Lowest 7 a.m. 58% on 14th and 15th, and lowest 3 p.m. 49% on 1st and 15th.

Overcast conditions prevailed in the early forenoon on 8 occasions and in the afternoon on 17 occasions.

Total evaporation for the month was 9.02 inches, the 10-year average being 6.93 inches. The higher temperature no doubt increased the rate of evaporation.

Mean daily number of sunshine hours 8.6.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
July 20th 1941.

## CORRIGENDA.

## WEATHER REPORT NO. 778, ANNUAL RAINFALL 1939.

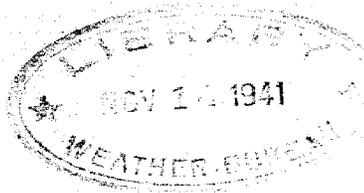
*Page 3—North-Eastern Division:*

		ins.		ins.
Balcarres	For Total for the year read	180.17	instead of	180.47
Mt. Holstein	Do. do. do.	141.80	do.	141.82
Rose Hill	Do. Do. do.	124.58	do.	124.53
Lawrence Tavern	Rainfall for July is	4.15		
Richmond	For Total for the year read	83.09	instead of	83.12
Averham Park	November read	23.49	do.	23.48
Glengoffe	November read	26.69	do.	26.29
Do.	For Total for the year read	89.95	do.	89.55
<i>Page 3—Northern Division:</i>				
Port Maria	For Total for the year read	71.03	do.	71.12
<i>Page 4—Northern Division:</i>				
Headworks, R.C.C.	For Total for the year read	87.22	do.	87.31
<i>Page 4—West-Central Division—</i>				
Spaldings	For Total for the year read	86.09	do.	87.09
<i>Page 5—West-Central Division:</i>				
Mount Eagle,				
Westmoreland	For Total for the year read	99.10	do.	98.90
King's Vale	May read	9.03	do.	0.03
<i>Page 5—Southern Division:</i>				
Yallahs	For Total for the year read	62.45	do.	62.43
Dallas Castle	Do. do. do.	83.01	do.	83.02
Hope Gardens	Do. do. do.	77.16	do.	72.16
Cavaliers	Rainfall for June is	2.37		
Halfway Tree	For Total for the year read	51.34	instead of	50.34
Old Harbour	December read	2.35	do.	2.53

*Page 3—*

## THE ISLAND RAINFALL FOR THE YEAR 1939.

In 4th line—for 30.45 inches read 51.46 inches.  
 In 6th line—for 28.89 inches read 26.89 inches.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JULY, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)					Extreme Temperature. (F.)				
		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	ins. 30.044	ins. 29.983	82.7	85.6	87.5	79.9	7.6	89.1	24	75.5	6	13.6
Kingston	24	29.974	29.937	77.7	87.7	90.5	74.9	15.6	93.6	28	71.6	12	22.0
Negril Point Light House	33	29.967	29.940	78.2	85.3	88.8	73.7	15.1	91.3	7	70.3	22	21.0
Montego Bay†	33	..	..	76.3	87.5	91.4	72.6	18.8	94.1	13	68.9	1	25.2
Castleton Gardens	496	..	..	70.5	83.4	88.4	69.3	19.1	92.5	11	67.0	11*	25.5
Hope Gardens *	668	29.976	29.907	78.9	87.3	89.0	71.9	17.1	94.0	3*	69.0	31	25.0
Hill Gardens, Blue Mountains*	4,900	25.258	25.220	..	..	..	..	..	78.0	10	56.0	12	22.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.		3 p.m.		7 a.m.		3 p.m.	
Morant Point Light House	8	° 77	% 82	° 78	% 78	ins. 2.19	Mls. 375	Dir. E	m.p.h. 17.0	Dir. E	m.p.h. 14.0	L. 3.5	M. 3.6	U. 1.4	L. 2.8	M. 3.3	U. 1.2
Kingston	24	70	77	73	62	3.10	170	NE	4.4	SE	14.3	1.4	0.7	4.2	2.6	2.1	3.5
Negril Point Light House	33	71	79	74	72	6.45	119	ESE	3.2	NE	7.2	0.4	1.0	3.1	4.6	3.9	0.5
Montego Bay	33	73	90	79	77	1.71	..	ESE	..	ENE	..	..	..	..	..	..	..
Castleton Gardens	496	69	96	76	80	3.26	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	75	77	74	67	4.20	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	..	..	..	..	3.85	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

\* Hope Gardens—observations made at 9 a.m. and 3 p.m.

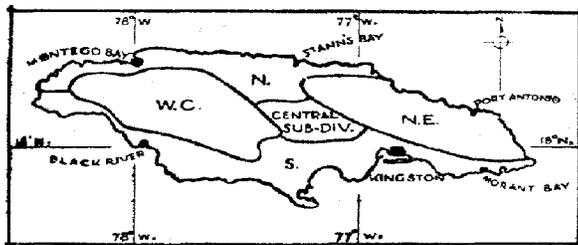
† Montego Bay—observations made at 8 a.m. and 3 p.m.

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



July, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
July, 1941.					
NORTH-EASTERN DIVISION (N.E.)					
Rose Hill	6.50	1.58	24	17	5.40
Mount Cressy	2.91	1.00	25		
Hermitage	4.00	0.77	11	14	
Mount Airy	5.51	1.00	26	10	
Stony Hill Ind. Sch.	3.37	1.30	11	12	4.87
Boon Hall					
Brandon Hill	2.77	1.03	11	6	
Enfield	3.96	1.24	18	7	
Agualta Vale	2.30	0.80	11	10	3.15
Castleton Gardens	3.26	0.85	15	7	5.86
Water Valley	1.83	0.35	11	9	3.13
Albany	1.50	0.50		3	3.63
Lawrence Tavern	5.64	1.80	5	9	5.09
Wey Hill	3.97	0.97	26	12	
Richmond, St. Mary	2.22	0.90	18	4	3.26
Quebec, St. Mary	2.84	0.50	7	11	3.42
Above Rocks	4.82	1.60	26	10	
Glengoffe	9.15	4.30	26	7	
Carew Castle	6.25	2.12	26	11	6.24
Hampstead, St. Mary	1.74	0.45	11	6	2.87
Windsor Castle do.	2.03	1.25	18	4	
Troja	2.34	0.65	19	7	
Pear Tree Grove	1.40	0.75	21	3	
Guy's Hill	2.25	1.00	19	5	3.83
Lucky Hill	1.13	0.43	11	12	2.85
Rio Hoe	2.75	0.43	11	12	4.09
Unity Valley	5.56	1.95	6	12	5.49
Moneague	2.69	0.52	5	10	4.51
Claremont	1.30	0.40	23	7	3.23
Averham Park	0.88	0.21	7	20	2.91
Albion	1.74	0.43	19	8	3.98
NORTHERN DIVISION (N)					
Port Maria	2.55	0.51	13	15	3.89
Wentworth	2.83	1.65	1	5	
Jacks River	2.17	0.28	13	7	
Oracabessa	2.49	0.94	13	6	
Huddersfield					
Exchange	0.62	0.33	1		
Ocho Rios	1.34	0.37	19	6	2.10
Rockfield	1.00	0.41	16	8	2.91
Liberty Hill					2.08
St. Ann's Bay	1.25	0.30	13	7	2.83
Richmond Estate	0.84	0.23	20	7	2.20
Runaway Bay					1.06
Knapdale	0.57	0.15	5	9	
Alexandria	1.86	0.74	6	5	2.86
Bel-Air	0.75	0.35	18	5	
Brown's Town	0.48	0.23	5	5	2.39
Wilton	0.47	0.38	19	3	
Watt Town, St. Ann	2.43	0.91	19	6	3.00
Home Castle	0.30	0.20	1	1	2.18
Stewart Town	0.72	0.45	24	5	
Arcadia	0.32	0.20	19	2	2.16
Vale Royal	0.98	0.39	21	6	2.74
Harmony Hall					1.45
Duncans	0.70	0.30	19	3	
Clark's Town	3.22	0.64	20	8	
Falmouth	0.29	0.18	18	3	1.46

STATIONS.	July, 1941.					STATIONS.	July, 1941.				
	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.	Amount.					Date.	Ins.		
<b>NORTHERN DIVISION, contd.</b>						<b>WEST-CENTRAL DIVISION, contd.</b>					
Adelphi	0.88	0.35	19	5		Mereworth	4.95	1.64	14	14	
Barrett Hall						Mandeville	4.30	1.38	25	7	5.32
Success					1.30	Ulster Spring	1.98	0.55	26	8	5.35
Rose Hall					1.13	Greenvale	3.25	1.10	30	8	
Cinnamon Hill					1.18	Albert Town	1.92	1.11	26	3	4.92
Tryall					3.54	Craig Head	0.27	0.27	2	1	
Running Gut					1.24	Warsop	3.09	1.40	25	11	
Spring Estate					1.44	Troy	5.77	1.75	25	8	6.94
Friendship	2.76	0.95	5	9	2.88	Wallingford	2.65	0.70	10	9	5.18
Retirement	3.15	1.42	2	8	4.01	Balaclava	2.12	1.00	10	5	4.69
Rose Mount						Braes River	1.92	0.60	10	6	
Montego Bay	1.71	0.59	5	7	3.21	Wakefield	1.29	0.50	19	6	
Anchovy	3.69	0.85	18	16	4.49	Aberdeen	2.99	0.85	13	13	
Hopewell	5.95	1.80	22	10	5.85	Accompong	4.80	1.90	13	7	
Blue Hole	5.91	1.40	22	13		Maggotty	6.32	1.30	14	13	8.35
Cascade	14.88	2.21	25	16		Lacovia	1.76	0.67	14	8	
Lucea	3.16	0.20	1	13	4.93	Mulgrave	12.46	2.20	26	12	
Haughton Court	3.86	0.92	1	10	4.63	Holland	1.57	0.68	28	7	
Kendal—Hanover	13.06	1.95	6	22		Ipswich	8.77	1.70	26	15	
Cousins Cove	6.14	1.09	19	15		Ginger Hill					
Green River	6.84	0.71	7	18		Kempshot	6.16	2.28	18	12	5.68
Green Island	8.28	1.35	19	19	8.59	Moch, St. James	9.32	1.85	3	13	
Haughton Hall	7.52	0.98	7	20		Catadupa	8.43	1.83	18	16	9.36
<b>CENTRAL SUB-DIVISION.</b>						Cambridge	7.96	1.65	24	19	9.59
Knollis	6.02	1.44	26	9		New Market	8.63	2.05	11	13	8.36
Highgate (St. Cath.)	6.96	1.99	22	19		Springfield					
Rio Magno	2.95	0.80	26	8		Kew Park	7.00	1.85	18	16	9.85
Riversdale	10.96	2.12	26	10		The Bog	9.51	3.39	26	17	9.11
Headworks, R.C.C.	1.21	0.86	11	4	2.99	Bethel Town Dist.	7.41	1.36	18	13	14.74
Bog Walk	5.60	1.15	11	10		Burnt Ground	7.84	1.55	6	16	8.81
Linstead	5.61	1.33	11	15	5.88	Haughton Grove	11.35	1.50	18	17	
Ewarton	5.96	0.85	21	13		Knockalva					
Cave Valley	1.12	0.38	26	4	4.54	Darliston	7.91	1.45	25	16	11.42
Guanaboa Vale	1.45	1.00	29	3		Bluefields	6.62	1.56	18	14	9.32
Point Hill	7.28	2.93	24	9	6.15	Whithorn	8.41	1.33	26	15	10.12
Brown's Hall	5.50	0.78	26	9	5.20	Water Works Pen	7.76	2.50	13	14	9.40
Bellas Gate	2.79	1.18	24	9	1.30	Williamsfield, Wld.	19.06	3.00	18	19	
Rock River	2.22	0.50	25	5		Petersfield	8.54	1.11	22	15	
Crofts Hill	2.22	0.75	19	5	2.68	Bauk	10.90	1.65	18	21	
Kellit's	1.75	1.00	25	9		Askenish	14.43	3.65	7	20	10.38
Suttons						Grange Hill	6.62	1.49	26	16	11.11
Colonel's Ridge	1.37	0.43	19	9		Mount Eagle	5.90	1.75	26	16	
Chapelton	1.73	0.55	14	7	3.12	King's Vale	7.62	1.80	7	19	9.82
Crooked River	0.92	0.25	11	5							
James Hill	2.95	0.90	17	7		<b>SOUTHERN DIVISION (S.)</b>					
Frankfield	7.14	0.75	20	16	4.50	Morant Point L.H.	2.19	0.55	25	14	3.17
<b>WEST-CENTRAL DIVISION (W.C.)</b>						Golden Grove	3.29	0.50	7	15	
Moch, Clarendon	3.34	2.06	27	4	3.46	Pleasant Hill	4.56	1.11	25	20	3.19
Thompson Town	3.67	1.28	25	10		East Prospect	6.25	1.40	29	22	4.30
Clarendon Park						Morant Bay	5.53	1.57	14	17	4.95
Porus						Lloyds	7.40	1.58	14	18	
Borobridge	3.20	1.00	2	6		Yallahs	5.04	2.90	11	6	
Spaldings	5.27	2.15	25	7	3.79	Easington	5.59	1.50	14	11	4.87
Williamsfield						Mavis Bank	3.68	1.64	14	7	
Brokenhurst	4.26	1.95	14	9	4.73	Bull Bay	4.95	1.55	12	4	1.68
Shooter's Hill	2.46	1.08	14	8	4.88	Dallas Castle					
Wait-a-bit	2.00	0.58	31	9		Gordon Town	2.74	1.50	11	4	2.33
Christiana	4.30	1.60	25	11	4.09	Irish Town	2.88	1.00	4	6	1.73
Holmwood	4.18	1.27	14	10		Hope Gardens	4.20	2.19	11	8	2.50
Clifton Hill	4.92	1.67	15	7	4.97	Bamboo Pen	3.13	2.05	11	5	
Kendal, Manchester	3.57	1.70	14	8	5.13	Plumb Point L.H.	3.30	2.95	14	3	1.75

STATIONS.	July, 1941.					STATIONS.	July, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar. . . . .	3.09	1.95	11	6	2.37	Newport, Man. . . . .	3.46	1.44	14	7	3.28
Up-Park Camp . . . . .	2.65	1.92	11	7		Alligator Pond . . . . .	0.42	0.27	14	2	2.01
Cavaliers . . . . .	2.77	2.05	11	6		Myersville . . . . .	1.16	0.98	14	2	
St. George's College . . . . .						Goshen . . . . .	2.03	0.99	14	5	
Upper Kingston . . . . .	2.89	2.02	11	5	1.58	Munro . . . . .	2.01	0.88	14	7	
Parade Garden . . . . .	2.88	2.24	11	4		Windsor, St. Eliz. . . . .	1.57	0.83	14	10	
Kingston P.W.O. . . . .	3.10	2.16	11	6	1.53	Torrington . . . . .	3.04	1.80	21	6	2.29
Constant Spring . . . . .	4.11	1.41	11	14		Santa Cruz . . . . .	1.96	0.68	14	9	5.25
Halfway Tree . . . . .	2.40	2.12	10	4	1.53	Hounslow . . . . .	2.15	1.38	14	4	
Clifton Pen . . . . .	2.82	1.32	11	6	1.33	Pedro Plains . . . . .	0.16	0.10	30	2	1.52
Seaward Pen . . . . .						Mountainside . . . . .	1.58	0.55	29	4	2.81
Red Hills . . . . .	3.23	0.62	19	9		Fort Charles . . . . .	1.01	1.01		1	
Quarantine Station . . . . .	3.59	3.10	12	5	0.92	Black River . . . . .	2.11	0.50	16	8	4.52
Hematine . . . . .	2.08	1.63	11	4	1.14	Mt. Charles . . . . .	4.14	1.15	23	13	
Spanish Town . . . . .	2.07	1.05	11	5	1.90	Font Hill . . . . .					5.41
Hog Hole, St. Cath. . . . .	1.52	0.87	11	5	2.19	Mount Edgecombe . . . . .	6.03	1.34	31	14	6.82
Old Harbour . . . . .	0.13	0.13	11	1	1.99	Sav.-la-Mar . . . . .	5.44	1.24	18	10	6.10
May Pen . . . . .	2.27	1.02	29	11	2.76	Little London . . . . .	12.57	3.02	25	14	6.20
Glen Muir . . . . .	1.50	0.35	29	6		Retreat . . . . .	8.40	1.82	25	14	7.43
Cottage . . . . .	1.68	1.19	14	3		Negril Point L.H. . . . .	6.45	1.85	25	15	5.83
Belle Plain . . . . .	2.67	0.90	14	7							
Milk River . . . . .	1.18	1.00	14	2	1.62						
Retrieve . . . . .	1.38	1.20	14	2	1.53						
Stone's Hope . . . . .	1.59	0.88	14	5	3.50						

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	July.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern . . . . .	5.49	5.25	13	10
Northern . . . . .	2.69	3.19	9	7
West-central . . . . .	6.05	7.56	11	13
Southern . . . . .	3.44	2.99	8	7
The Island means	4.42	4.75	10	9

SHOCKS OF EARTHQUAKE IN July, 1941.

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

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

THE ISLAND—JULY.

The mean rainfall for the Island was below normal. The North-Eastern and Southern Divisions were above year average, but the Northern and West-Central Divisions were deficient. The greatest total fall for the month was 27.48 inches at Fellowship in the North-Eastern Division and the greatest fall in 24 hours was 4.31 inches at the same station on the 7th. No rain fell at Runaway Bay, in the Northern Division. The mean number of rain days was 10, the average for the month being 9. Millbank in the North-Eastern Division had the greatest number—29. The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 10.17 inches, was highest; Westmoreland, with 8.50 inches, was second and Hanover, with 8.35 inches, was third. St. Ann with 1.40 inch was lowest.

Parish.	1941.	10-year average	Parish.	1941	10-year average.
	inches	inches		inches	inches.
Kingston ..	3.04	3.02	St. James ..	4.90	4.80
St. Andrew ..	3.73	4.74	Hanover ..	8.35	7.84
St. Thomas ..	7.11	6.90	Westmoreland ..	8.50	8.93
Portland ..	10.17	9.21	St. Elizabeth ..	3.34	4.80
St. Mary ..	2.40	3.95	Manchester ..	3.09	5.70
St. Ann ..	1.40	3.35	Clarendon ..	2.65	5.07
Trelawny ..	1.86	3.86	St. Catherine ..	4.23	5.03

CITY OF KINGSTON.

The total rainfall for the month of July, 1941, was 3.10 inches, the 60-year normal being 1.54 inch. The greatest fall in 24 hours was 2.16 inches on the 11th. There were six days with appreciable rain, the average being five. The Upper Boundary of Kingston gauged 2.89 inches with five rain days.

The several directions in which distant rain was observed, were as follows:—To north on 6, to north-east on 3, to east and east-south-east once each, to south twice and to north-west 4 times.

Distant lightning to north twice and to north-east once, intense at 8.30 p.m.

Distant thunderstorm to north 5 times, to east-south-east 2, to south 2 and to northwest 3.

Local thunderstorm on 11th at 7.55 p.m.

The mean barometric pressure was 29.968 inches, the 33-year normal being 29.960 or 0.008 of an inch above the normal. Highest reading 30.028 inches on the 8th at 3.00 p.m. and the lowest 29.910 inches on the 25th at 7 a.m., corrected for diurnal variation.

Mean temperature for the month 82.2°, the 33-year normal being 81.4° or 0.8° above the normal. The extreme maximum was 93.6° on the 28th, and the extreme minimum was 71.6° on the 12th, giving an extreme monthly range of 22.0°. On the other hand, the lowest maximum was 85.3° on the 15th, being a rain day on the 14th, and the highest minimum was 79.6° on the 9th, being overcast in the forenoon. The maximum was 90° or above on 21 days and the minimum was 70° or above throughout. The greatest daily range was 19.6° on the 28th, and the least range was 9.9° on the 15th.

The mean daily miles of wind registered was 170, the 25-year normal being 227 or about 25% below the normal. The greatest number of miles of wind recorded in 24 hours was 327 on the 4th and the least was 77 on the 30th. South-east wind prevailed early on 4 days and after 7 p.m. 18 times. Greatest hourly velocity 30 miles per hour on the 4th at about 1.30 p.m.

The mean relative humidity was 73%, the 33-year average being 76%. The mean 7.00 a.m. was 77%, and the mean 3.00 p.m. 62%. Lowest 7.00 a.m. 64% on the 4th, and lowest 3 p.m. 51% on the 5th and 28th.

Overcast conditions prevailed in the early forenoon on 17 occasions and in the afternoon on 24.

Total evaporation for the month of July, 8.03 inches, the 10-year normal being 7.87 inches. Evaporation excess no doubt due to higher mean temperature.

Mean daily number of sunshine hours 7.3.

WEATHER DISTURBANCES.

No weather disturbance within barometric range of Kingston was reported in July.

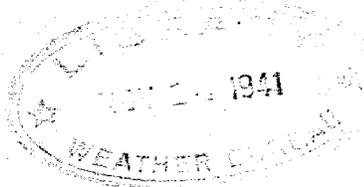
J. F. BRENNAN,  
Govt. Meteorologist.

Weather Office, Kingston,  
August 20th, 1941.

CORRIGENDA.

WEATHER REPORT NO. 765—JAMAICA RAINFALL YEAR 1938.

		Inches.		Inches.
<i>Page 3—North-Eastern Division:</i>				
Darley	Total for the year	For 137.13	read	136.63
Enfield	do.	For 100.79	„	99.79
<i>Page 3—Northern Division:</i>				
Rockfield	Total for the year	For 54.16	read	54.06
<i>Page 4—Northern Division:</i>				
Cousins Cove	Total for the year	For 53.78	read	52.78
Knollis	do.	„ 54.66	„	54.72
Brown's Hall	do.	„ 49.16	„	49.06
Far Enough	do.	„ 56.65	„	51.65
<i>Page 5—West-Central Division:</i>				
Bethel Town	Total for the year	For 93.57	read	94.57
<i>Page 5—Southern Division:</i>				
Cavaliers	Total for the year	For 26.40	read	26.31
Quarantine Station	do.	„ 22.18	„	22.16
<i>Page 6—Southern Division:</i>				
Black River	Total for the year	For 40.08	read	39.68
Little London	do.	„ 70.27	„	74.27



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
AUGUST, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)					Extreme Temperature. (F.)				
		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	29.975	29.946	83.7	86.6	88.8	80.9	7.9	90.3	22	75.0	27	15.3
Kingston	24	29.945	29.904	77.4	86.2	91.4	74.3	17.1	95.4	10	71.4	20	24.0
Negril Point Light House	33	29.938	29.915	78.0	85.0	89.0	73.4	15.6	90.9	25	69.3	11	21.6
Montego Bay†	33			76.5	88.6	93.0	72.5	20.5	96.0	6	70.0	13*	26.0
Castleton Gardens*	496			71.6	83.8	90.0	70.1	19.9	94.5	9	66.0	12	28.5
Hope Gardens *	668	29.952	29.895	77.9	85.7	90.6	71.2	19.4	96.0	7	69.0	1*	27.0
Hill Gardens, Blue Mountains*	4,900	25.305	25.243	63.1	69.1	73.8	60.5	13.3	79.0	30	58.3	21	20.7

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	78	83	79	78	2.33	295	E	13.0	E	13.0	2.7	2.8	1.3	2.2	3.4	1.3
Kingston	24	70	80	74	69	5.07	170	N	3.7	SE	16.2	2.0	0.1	3.2	4.2	2.5	1.8
Negril Point Light House	33	72	83	75	72	5.36	104	E	3.7	SSE	7.3	0.0	0.8	2.1	3.7	4.1	0.6
Montego Bay	33	73	90	79	75	1.72	..	SSE	..	NF	..	..	..	..	..	..	..
Castleton Gardens	496	71	95	78	84	10.28	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	72	82	78	78	6.62	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	58	83	64	86	0.81	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

\* Hope Gardens—observations made at 9 a.m. and 3 p.m.

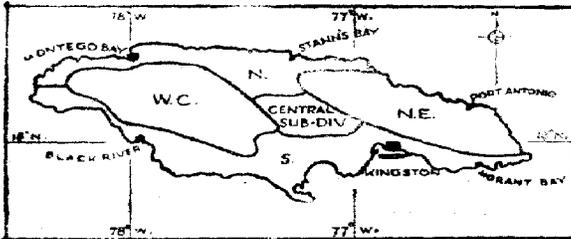
† Montego Bay—observations made at 8 a.m. and 3 p.m.

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



August, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>					
Rose Hill	7.12	1.95	27	13	9.92
Mount Cressy	4.97	1.60	29		
Hermitage	9.60	2.19	24	13	
Mount Airy	7.44	1.49	29	10	
Stony Hill Ind. Sch.	7.22	2.16	24	13	8.86
Boon Hall					
Brandon Hill	9.74	1.33	10	15	
Enfield	1.00	1.00	13	1	
Agualta Vale	0.71	0.40	11	4	4.28
Castleton Gardens	10.28	3.30	12	14	9.83
Water Valley	0.00				4.31
Albany					4.01
Lawrence Tavern	7.34	2.07	24	17	8.23
Wey Hill	5.37	0.98	18	13	
Richmond, St. Mary	1.55	1.09	10	4	5.05
Quebec, St. Mary	0.60	0.55	8	2	4.50
Above Rocks	5.97	0.64	28	17	
Glengoffe	8.21	1.41	28	10	
Carew Castle	9.97	2.09	27	17	10.06
Hampstead, St. Mary	0.70	0.60	10	2	4.39
Windsor Castle do.	3.38	1.55	17	4	
Troja	7.03	1.86	10	12	
Pear Tree Grove	5.28	1.19	27	7	
Guy's Hill	2.83	1.30	21	4	4.13
Lucky Hill	1.56	0.43	21	5	4.66
Rio Hoe	1.55	0.69	10	8	5.86
Unity Valley	5.41	1.65	28	12	6.60
Moneague	3.54	1.85	28	10	6.69
Claremont	1.89	0.76	28	6	5.08
Averham Park	1.46	0.77	10	5	4.59
Albion	2.55	0.76	31	7	6.01
<b>NORTHERN DIVISION (N)</b>					
Port Maria	0.53	0.20	31	4	4.94
Wentworth	0.15	0.15	24	1	
Jacks River	0.52	0.30	30	7	
Oracabessa	2.17	1.10	3	7	
Huddersfield	0.45	0.45	30	1	
Exchange	0.00				
Ocho Rios	0.47	0.23	10	3	2.99
Rockfield	1.14	0.69	28	3	4.30
Liberty Hill	0.27	0.19	11	2	3.19
St. Ann's Bay	0.69	0.37	10	3	3.07
Richmond Estate	0.72	0.24	10	8	3.04
Runaway Bay	0.00				1.88
Knapdale	1.36	0.71	10	4	
Alexandria	3.61	0.87	24	7	3.86
Bel-Air	0.15	0.10	10	3	
Brown's Town	2.11	0.89	19	9	3.96
Wilton	0.74	0.57	10	4	
Watt Town, St. Ann	8.41	1.70	17	12	4.58
Home Castle	2.85	1.05	10	3	3.43
Stewart Town	4.71	2.28	28	7	
Arcadia	0.83	0.30	10	6	3.27
Vale Royal	1.45	0.37	10	9	4.58
Harmony Hall					2.35
Duncans	0.26	0.13	24	2	
Clark's Town	1.88	0.70	24	7	
Falmouth	0.29	0.12	24	4	2.45

August, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>					
Manchioreal	3.45	1.37	12	13	7.09
Ecclesdown	6.81	1.46	12	23	
Priestman's River	1.13	0.44	18	4	8.00
Bath	7.57	1.37	10	19	9.98
Barrett's Gap	10.38	1.78	10	21	
Millbank	9.14	1.74	12	25	
Comfort Castle					
Moore Town	10.58	2.30	3	15	15.77
Port Antonio	2.33	0.60	20	6	11.62
Passley Garden	3.79	0.96	11	14	
Fellowship	4.24	0.73	31	19	
Johnson River Br.	3.08	0.64	10	12	14.25
Trinity Ville	1.21	0.68	10	3	10.01
Fruitful Vale	3.21	1.35	29	8	
Hope Bay	2.42	0.65	3	9	
Cedar Valley	2.28	0.40	10	11	9.23
Paradise					
Lennox	0.00				
Greenvale	1.61	1.05	10	3	5.80
Darley	0.93	0.26	3	8	
Spring Garden	0.88	0.33	3	4	6.52
Hill Gardens	0.81	0.39	17	8	7.80
Buff Bay	1.46	0.40	12	7	5.87
Buff Bay R. Est.	1.07	0.34	9	4	
Belvedere, Portland	1.89	0.56	10	8	5.35
Windsor Castle, do.	1.05	0.55	11	3	5.49
Balcarres	3.46	3.11	10	4	
Mt. Holstein	1.12	0.74	10	6	7.02
Cedar Hurst	2.28	0.40	10	11	
Hardware Gap	5.87	1.94	17	11	7.22

STATIONS.	August, 1941.					STATIONS.	August, 1941.				
	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.	Amount.					Date.	Ins.		
<b>NORTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>WEST-CENTRAL DIVISION, contd.</b>	Ins.	Ins.			Ins.
Adelphi	4.11	2.39	28	11		Mereworth	2.32	0.80	10	12	
Barrett Hall						Mandeville	3.19	0.74	30	6	8.53
Success					2.11	Ulster Spring	10.67	2.00	13	16	8.54
Rose Hall					2.06	Greenvale	5.53	1.40	3	15	
Cinnamon Hill					2.19	Albert Town	10.23	1.60	2	15	9.25
Tryall					5.04	Craig Head	10.15	2.16	16	12	
Running Gut					2.43	Warsop	9.95	1.85	17	23	
Spring Estate					2.44	Troy	15.59	2.00	16	27	10.09
Friendship	3.58	1.25	31	11	5.63	Wallingford	16.14	4.08	15	15	10.33
Retirement	5.27	2.08	16	10	6.11	Balaclava	16.11	3.70	15	12	7.97
Rose Mount						Braes River	6.57	2.32	19	14	
Montego Bay	1.72	0.43	28	10	5.12	Wakefield	4.48	2.12	28	14	
Anchovy	9.99	3.81	16	14	6.55	Aberdeen					
Hopewell	5.20	1.76	19	12		Accompong	20.94	2.65	1	22	11.21
Blue Hole	5.49	1.31	31	14	7.20	Maggotty	14.11	2.18	19	21	
Cascade	17.51	3.52	16	19		Lacovia	9.00	1.40	15	16	
Lucea	2.99	0.62	25	11	6.29	Mulgrave	18.68	1.40	16	26	
Houghton Court	3.77	0.86	16	8		Holland					
Kendal—Hanover	14.19	0.94	4	28	6.65	Ipswich	12.25	1.45	2	25	
Cousins Cove	5.56	1.23	16	18		Ginger Hill					
Green River	12.64	1.09	31	21		Kempshot	7.70	2.56	31	17	7.87
Green Island	7.63	1.65	9	19		Mocho, St James	24.69	2.70	23	23	
Houghton Hall	7.00	1.34	9	21	9.48	Catadupa	16.41	2.17	27	26	13.41
<b>CENTRAL SUB-DIVISION.</b>						Cambridge	13.16	1.61	3	24	11.05
Knollis	6.48	1.40	24	14		New Market	14.35	2.47	7	19	13.12
Highgate (St. Cath)	8.65	2.31	17	15		Springfield					
Rio Magno	10.26	2.26	27	8		Kew Park	15.77	1.45	20	22	12.12
Riversdale	13.11	2.94	2	12		The Bog	22.14	3.60	24	24	13.91
Headworks, R.C.C.	3.43	1.10	19	6	5.55	Bethel Town Dist.	15.28	1.70	3	20	14.10
Bog Walk	4.58	1.00	4	11		Burnt Ground	8.13	0.97	25	20	11.09
Linstead	5.59	1.13	12	16	8.62	Houghton Grove	12.35	1.30	26	20	
Ewarton						Knockalva	15.09	2.00	3	20	
Cave Valley	10.71	2.17	19	15	7.42	Darlston	12.80	1.70	28	27	15.00
Guanaboa Vale	6.40	2.36	12	7		Bluefields	15.58	2.38	24	23	11.75
Point Hill	4.14	1.10	3	14	10.25	Whithorn	8.11	1.36	21	15	11.74
Brown's Hall	8.59	2.01	23	10	7.88	Water Works Pen	10.15	1.75	30	20	12.72
Bellas Gate	3.43	0.66	10	14	5.95	Williamsfield, Wld.					
Rock River	0.86	0.86	4	1		Petersfield	8.32	1.93	30	20	
Crofts Hill	1.66	0.70	19	8	7.71	Baulk	11.85	1.71	16	26	
Kellit's	5.15	1.70	27	11		Askenish	15.03	3.42	31	19	12.78
Suttons	0.66	0.36	3	3		Grange Hill	9.74	1.14	19	26	13.06
Colonel's Ridge	6.59	1.61	27	10		Mount Eagle	11.55	1.95	19	22	
Chapelton	1.44	0.55	1	9	6.31	King's Vale	8.57	2.54	31	14	10.61
Crooked River	9.10	1.65	16	14							
James Hill	11.98	1.35	24	19		<b>SOUTHERN DIVISION.</b>					
Frankfield	13.66	3.50	24	16	7.82	(S.)					
<b>WEST-CENTRAL DIVISION (W.C.)</b>						Morant Point L.H.	2.33	0.50	23	14	5.05
Mocho, Clarendon	1.87	1.09	30	2	6.79	Golden Grove	3.47	0.35	19	22	
Thompson Town	4.64	1.34	18	9		Pleasant Hill	3.79	0.95	12	14	6.87
Clarendon Park						East Prospect	2.93	0.53	26	15	6.69
Porus	3.25	1.18	24	5		Morant Bay	3.12	0.60	10	16	6.43
Borobridge	16.87	3.88	23	16		Lloyds	2.59	0.43	10	6	
Spaldings	6.09	1.10	19	13	7.26	Yallahs	1.95	1.03	10	6	
Williamsfield						Easington	2.37	0.67	10	6	6.67
Brokenhurst	3.43	1.01	16	7	8.16	Mavis Bank	1.46	1.24	20	5	
Shooter's Hill	4.86	1.05	5	13	7.38	Bull Bay	1.07	1.07	8	1	2.54
Wait-a-bit	13.50	2.12	17	21		Dallas Castle	1.58	0.45	20	11	
Christiana	8.43	1.53	17	17	7.03	Gordon Town	3.28	1.22	8	6	5.09
Holmwood	8.88	1.35	17	18		Irish Town	7.30	2.00	28	9	5.95
Clifton Hill	3.05	0.85	8	7	8.46	Hope Gardens	6.62	1.82	8	11	5.81
Kendal, Manchester	3.94	0.73	10	10	8.13	Bamboo Pen	5.58	1.79	19	10	
						Plumb Point L.H.	0.15	0.15	16	1	3.47

STATIONS.	August, 1941.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	Ins.	Ins.			Ins.
SOUTHERN DIVISION, <i>contd.</i>					
King's House Gar.	4.16	1.95	19	11	4.90
Up Park Camp	3.89	2.11	19	8	
Cavaliers	3.79	2.08	19	9	
St. George's College	6.38	3.70	19	6	
Upper Kingston	5.80	3.17	19	3	4.83
Parade Garden	5.15	2.53	19	6	
Kingston P.W.O.	5.07	2.00	19	6	3.60
Constant Spring	6.56	2.20	27	16	
Halfway Tree	3.63	1.57	19	9	3.84
Clifton Pen	3.40	1.61	19	7	3.91
Seaward Pen					
Red Hills	4.89	1.00	17	12	
Quarantine Station	1.21	0.35	19	6	2.56
Hematine	0.52	0.21	8	4	3.66
Spanish Town	1.02	0.44	20	6	3.87
Hog Hole, St. Cath.	0.94	0.33	15	5	4.25
Old Harbour	0.33	0.25	10	2	4.71
May Pen	3.60	1.08	11	9	5.26
Glen Muir	2.45	0.70	27	5	
Cottage	0.00				
Belle Plain	4.32	1.25	10	10	
Milk River	0.80	0.48	11	2	4.26
Retrieve	3.41	0.95	10	7	4.06
Stone's Hope	1.77	0.96	10	3	6.48

STATIONS.	August, 1941.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	Ins.	Ins.			Ins.
SOUTHERN DIVISION, <i>contd.</i>					
Newport, Man.	3.02	0.97	10	7	7.35
Alligator Pond	1.86	0.93	11	3	4.13
Myersville	0.91	0.41	16	3	
Goshen	6.01	1.70	7	8	
Munro	3.05	0.95	15	15	
Windsor, St. Eliz.	4.66	1.85	15	15	
Torrington	3.11	1.15	15	7	5.54
Santa Cruz	11.68	3.91	19	15	9.25
Hounslow	4.86	1.66	15	10	
Pedro Plains	2.63	1.24	15	3	2.93
Mountainside	6.16	2.05	3	6	5.38
Fort Charles	2.63	0.88	18	5	
Black River	6.15	1.57	15	14	6.31
Mt. Charles	14.51	3.94	8	18	
Font Hill					6.27
Mount Edgecombe	13.07	2.80	24	22	8.46
Sav.-la-Mar	9.02	1.53	16	17	7.86
Little London	15.55	2.66	19	20	6.66
Retreat	10.15	1.73	4	17	8.42
Negril Point L.H.	5.36	1.15	25	17	6.50

**NOTES:**

**COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.**

DIVISIONAL AND ISLAND RAINFALL.	August.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern	3.31	7.41	8	11
Northern	4.07	4.89	10	9
West-central	10.95	10.17	17	15.
Southern	4.34	5.27	9	10
The Island means	5.67	6.93	11	11

**SHOCKS OF EARTHQUAKE IN AUGUST, 1941.**

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

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

## THE ISLAND.

The mean rainfall for the Island was somewhat below normal, being 1.26 inch below the 60-year average. The deficit occurred in the North-eastern, Northern and Southern Divisions, and was greatest in the Northern, which had less than half the normal. There was a slight excess in the West Central Division.

The greatest total fall for the month was 24.69 inches at Accompong in the West-Central Division, and the heaviest fall in 24 hours, 4.08 inches, occurred at Wallingford, St. Elizabeth, in the West-Central Division, on the 15th. No rain fell at five Stations.

The mean number of rain days was 11, which corresponds with the average. Kendal, in Hanover, had the greatest number, 28.

The rainfall though below the average, appears to have been fairly well distributed, the heaviest falls occurring on the 10th.

The mean rainfall in each parish is given below, as compared with the 10-year average:—

Parish.	1941.	10-year Average.	Parish.	1941.	10-year Average.
	Inches	Inches		Inches	Inches.
Kingston	4.51	5.61	St. James	9.62	6.11
St. Andrew	5.14	7.25	Hanover	9.41	8.67
St. Thomas	3.62	8.24	Westmoreland	12.28	9.91
Portland	2.97	10.48	St. Elizabeth	9.14	7.00
St. Mary	1.93	6.38	Manchester	4.40	8.23
St. Ann	2.36	4.87	Clarendon	5.10	6.81
Trelawny	6.15	5.36	St. Catherine	5.33	7.46

Westmoreland with 12.28 inches, was highest; St. James with 9.62 inches, was second; and Hanover with 9.41 inches, was third. St. Mary with 1.93 inch was lowest.

## CITY OF KINGSTON.

The total rainfall for the month of August, 1941, was 5.07 inches as compared with the 60-year normal of 3.60 inches, or about 40% above the normal. There were six days with appreciable rainfall, as against the normal of 9. The greatest fall in 24 hours was 2.00 inches, on the 19th. The Upper Boundary of Kingston gauged 5.80 inches, with 7 rain days. On the 19th 3.17 inches fell.

The several directions in which distant rain was observed are as follows:—To northward 8, to north-eastward 4, to eastward 2, to south-east and southward one each, and to north-west 5.

Distant lightning was observed in the evenings to north-east on 27th and north-west on 19th.

Distant thunderstorm to north on 5 days, to the north-east, east, south and west once each, and to the north-west 3.

Intense local thunderstorm on 17th at 1.10 p.m., also moderate on the 18th.

The mean barometric pressure was 29.937 inches, the 33-year normal being 29.929 inches, or 0.008 inch above the normal. Highest barometer reading was 29.992 inches on the 15th at 3.00 p.m., and the lowest 29.911 inches on the 2nd and 9th at 7.00 a.m., corrected for diurnal variation.

Mean temperature for the month 81.8°, based upon four observations per day, the 33-year normal being 81.0°, or 0.8° above the normal. The highest maximum was 95.4° on the 10th, and the lowest minimum was 71.4° on the 20th. The extreme monthly range was 24.0°. On the other hand, the lowest maximum was 88.9° on the 23rd, and the highest minimum 76.6° on the 29th. The greatest range was 20.6° on the 10th, and the least range 13.5° on the 29th. The maximum temperature was 90° and above on 27 days.

The mean daily miles of wind registered was 170, the 25-year normal being 193, or about 9% below normal. The greatest number of miles of wind recorded in 24 hours was 248 on the 31st, and the least was 83 on the 2nd. Southeast wind continued after 7 p.m. 16 times. There was a south-east squall on the 10th. Greatest hourly velocity 36 miles per hour on the 10th, at 11.20 a.m.

The mean relative humidity was 78%, the 33-year normal being 79%. The mean 7 a.m. was 80% and the mean 3 p.m. 69%. Lowest 7 a.m. 62% on the 11th and lowest 3 p.m. 51% on 8th.

Overcast conditions prevailed in the forenoon on 9 occasions, and in the afternoon on 25.

Total evaporation for the month of August, 8.36 inches, the 10-year normal being 7.56 inches. This excess over the average is no doubt due to higher temperature.

Mean daily number of sunshine hours 7.7.

## WEATHER DISTURBANCES.

There was no weather disturbance of any note, within barometric range of Jamaica in the Caribbean Area, during the month of August.

J. F. BRENNAN,  
Government Meteorologist.

Weather Office, Kingston,  
September 20th, 1941.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
SEPTEMBER, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)					Extreme Temperature. (F.)				
		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	29.913	29.879	82.7	86.0	88.2	79.1	9.1	90.0	5	73.7	15	16.3
Kingston	24	29.885	29.839	77.0	87.1	90.5	74.6	15.9	94.2	3	71.7	10	22.5
Negril Point Light House	33	29.876	29.837	77.7	86.2	89.0	73.9	15.1	92.0	26	69.1	13	22.9
Montego Bay†	33	...	...	75.1	87.1	90.8	71.6	19.2	93.9	9*	69.0	6	24.9
Castleton Gardens*	496	...	...	71.3	82.8	89.3	69.8	19.5	92.0	1	68.0	3*	24.0
Hope Gardens *	668	29.890	29.823	79.0	83.6	90.5	70.9	19.6	96.0	24	69.0	11	27.0
Hill Gardens, Blue Mountains*	4,900	25.224	25.187	64.2	69.4	74.0	60.3	13.7	80.0	25	57.3	20	22.7

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.			3 p.m.		
		°	%	°	%							ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.
Morant Point Light House	8	77	84	78	76	5.38	314	E	16.0	E	13.0	3.4	3.2	1.2	2.4	3.4	1.8
Kingston	24	69	79	74	66	1.45	210	ENE	4.2	SE	15.9	0.9	0.5	3.8	3.1	1.2	2.9
Negril Point Light House	33	73	85	75	70	3.44	141	ESE	4.0	SE	9.7	1.0	0.9	4.2	2.5	3.2	3.1
Montego Bay	33	71	89	78	76	4.40	..	SE	..	NE	..	..	..	..	..	..	..
Castleton Gardens	496	69	95	75	77	15.70	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	70	75	72	65	3.34	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	59	80	64	82	5.88	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

\* Hope Gardens—observations made at 9 a.m. and 3 p.m.

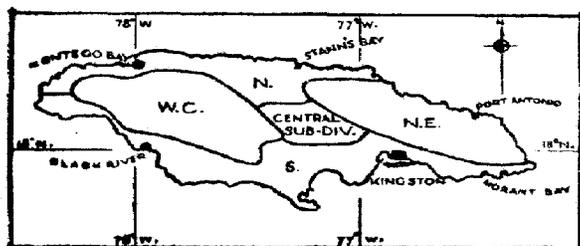
† Montego Bay—observations made at 8 a.m. and 3 p.m.

## 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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.	September, 1941.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal ..	5.63	1.82	13	11	9.68
Ecclesdown ..	13.50	3.60	13	20	
Priestman's River ..	2.21	1.00	13	6	10.33
Bath ..	7.54	1.40	25	18	12.17
Barrett's Gap ..	13.05	1.75	29	16	
Millbank ..	18.24	4.85	29	17	
Comfort Castle ..					
Moore Town ..	13.36	5.60	29	12	14.81
Port Antonio ..	15.15	6.70	29	7	10.38
Passley Garden ..	12.49	1.56	29	15	
Fellowship ..	18.90	6.90	29	17	12.57
Johnson River Br. ..	9.33	2.15	29	18	10.94
Trinity Ville ..	8.95	2.64	29	10	
Fruitful Vale ..	6.11	2.65	29	6	
Shrewsbury ..	8.00	2.00	29	6	
Hope Bay ..	7.13	2.56	29	13	
Swift River ..	10.36	1.39	26	12	
Cedar Valley ..	12.21	6.74	29	10	12.17
Paradise ..					
Lennox ..	5.87	2.00	26	6	
Greenvale ..	5.45	2.05	6	11	8.51
Darley ..	6.71	2.45	29	13	
Spring Garden ..					8.57
Hill Gardens ..	5.88	1.80	29	17	9.42
Buff Bay ..	5.97	1.65	30	10	5.07
Buff Bay R. Est. ..	6.85	2.00	19	12	
Belvedere, Portland ..	7.59	2.04	6	10	1.19
Windsor Castle, do. ..	9.05	2.50	16	9	5.48
Balcarres ..	15.18	6.12	16	17	
Mt. Holstein ..	5.64	1.40	6	16	10.13

STATIONS.	September, 1941.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Cedar Hurst ..	4.61	1.40	19	14	
Hardware Gap ..	8.40	1.70	19	11	10.70
Rose Hill ..	6.61	1.82	14	11	13.48
Mount Cressy ..	7.44	1.63	6		
Hermitage ..	6.86	1.86	19	13	
Mount Airy ..	6.97	1.61	16	13	
Stony Hill Ind. Sch. ..	6.26	2.92	19	12	10.05
Brandon Hill ..	7.36	1.50	26	11	
Enfield ..	7.22	2.00	6	13	
Agualta Vale ..	2.77	0.85	29	10	4.94
Castleton Gardens ..	15.70	3.30	16	17	11.76
Water Valley ..	6.13	1.30	14	11	4.82
Albany ..	5.57	1.37	6	10	4.18
Lawrence Tavern ..	6.42	1.20	16	13	9.87
Wey Hill ..	9.80	2.04	1	15	
Richmond, St. Mary ..	6.71	2.00	6	10	6.11
Quebec, St. Mary ..	6.00	0.74	17	13	1.45
Above Rocks ..	3.14	0.57	15	9	
Glengoffe ..	5.71	1.65	15	8	
Carew Castle ..	4.88	1.07	30	13	11.19
Hampstead, St. Mary ..	6.31	1.60	6	13	6.24
Windsor Castle do. ..	5.80	2.60	6	8	
Troja ..	3.41	0.80	6	8	
Pear Tree Grove ..	4.63	1.59	26	10	
Guy's Hill ..	6.00	1.78	8	10	7.37
Lucky Hill ..	6.82	1.58	12	16	6.14
Rio Hoe ..	3.89	1.57	26	13	6.36
Unity Valley ..	7.44	1.57	30	15	8.17
Moneague ..	5.42	1.48	15	16	7.55
Claremont ..	6.60	3.05	15	13	6.38
Averham Park ..	4.63	0.90	16	16	5.60
Albion ..					7.48
<b>NORTHERN DIVISION (N)</b>					
Port Maria ..	6.87	1.32	7	15	4.13
Wentworth ..	5.20	0.95	15	10	
Jacks River ..	3.19	1.35	25	12	
Oracabessa ..	4.18	1.77	7	6	
Retreat ..	7.57	1.80	17	9	
Huddersfield ..	5.09	1.15	17	7	
Exchange ..	4.12	0.85	16	7	
Ocho Rios ..	2.65	1.00	26	7	6.34
Rockfield ..	2.91	0.51	26	12	5.21
Liberty Hill ..	0.69	0.24	29	5	3.90
St. Ann's Bay ..	2.17	0.73	26	10	3.51
Richmond Estate ..	1.96	0.41	26	9	3.74
Runaway Bay ..	3.47	1.00	14	6	2.61
Knapdale ..	4.74	1.40	26	17	
Alexandria ..	2.20	0.52	12	8	7.21
Bel-Air ..	3.95	1.35	14	10	
Brown's Town ..	6.14	1.73	26	17	5.71
Wilton ..	4.51	1.29	26	11	
Watt Town, St. Ann ..	2.84	0.31	30	8	6.89
Home Castle ..	6.30	2.55	26	4	5.18
Stewart Town ..	5.65	1.14	26	11	
Arcadia ..	4.63	1.20	13	12	4.71
Vale Royal ..	5.69	1.40	26	14	4.72
Harmony Hall ..					3.63
Duncans ..	2.86	1.08	13	8	
Clark's Town ..	6.12	1.50	6	11	
Falmouth ..	1.14	0.61	5	7	3.41

STATIONS.	September, 1941.					STATIONS.	September, 1941.				
	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.		
<b>NORTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>WEST-CENTRAL DIVISION, contd.</b>	Ins.	Ins.			Ins.
Adelphi	4.50	2.30	29	14	..	Mereworth	8.19	1.58	15	17	..
Barrett Hall	2.79	0.75	13	8	..	Mandeville	5.01	1.32	4	10	10.05
Success	2.50	1.64	13	5	3.55	Ulster Spring	6.91	1.32	19	14	10.17
Rose Hall	2.84	1.77	13	5	3.46	Greenvale	..	..	..	..	..
Cinnamon Hill	3.05	2.15	13	4	3.89	Albert Town	6.37	2.55	19	7	10.87
Tryall	0.75	0.45	13	3	5.12	Craig Head	2.10	1.57	12	2	..
Running Gut	1.90	1.08	13	5	3.68	Warsop	4.62	1.50	15	9	..
Spring Estate	1.55	0.90	13	3	3.58	Troy	4.93	1.00	23	7	13.70
Friendship	6.35	1.26	16	16	8.34	Wallingford	3.51	1.37	5	9	12.37
Retirement	6.34	1.74	16	11	9.37	Balaclava	2.75	0.63	19	6	11.00
Rose Mount	..	..	..	..	..	Braes River	5.03	1.76	28	9	..
Montego Bay	4.40	0.68	17	14	6.58	Wakefield	6.00	1.05	19	15	..
Anchovy	4.68	1.32	19	14	6.98	Aberdeen	4.34	1.51	28	12	..
Hopewell	3.26	1.65	23	10	..	Accompong	6.54	1.34	19	13	..
Blue Hole	5.34	0.97	23	10	10.09	Maggotty	5.85	1.21	5	12	11.82
Cascade	11.61	2.27	14	15	..	Lacovia	3.75	0.73	12	12	..
Lucea	6.36	1.68	14	11	8.16	Mulgrave	6.54	1.40	14	14	..
Haughton Court	8.09	2.71	14	8	7.16	Holland	8.68	1.66	11	15	..
Kendal—Hanover	8.49	1.43	15	17	..	Ipswich	3.67	1.20	14	11	..
Cousins Cove	7.05	2.33	16	18	..	Ginger Hill	..	..	..	..	..
Green River	9.27	2.04	12	16	..	Kempshot	5.31	1.15	18	16	9.10
Green Island	4.10	1.25	16	14	10.37	Mocho, St. James	12.80	2.75	5	11	..
Haughton Hall	4.22	1.00	12	15	..	Catadupa	7.66	1.38	23	13	14.69
<b>CENTRAL SUB-DIVISION.</b>						Cambridge	10.61	2.27	13	13	12.29
Knollis	2.52	1.88	29	2	..	New Market	..	..	..	..	11.81
Highgate (St. Cath.)	2.70	1.50	11	11	..	Springfield	..	..	..	..	..
Rio Magno	9.03	2.19	26	10	..	Kew Park	8.22	2.05	16	11	12.38
Riversdale	8.57	1.67	26	9	..	The Bog	8.56	2.30	13	16	12.72
Headworks, R.C.C.	4.97	1.95	5	9	6.24	Bethel Town Dist.	8.77	3.40	15	10	15.76
Bog Walk	3.35	0.94	19	11	..	Burnt Ground	9.14	1.48	15	13	13.30
Linstead	3.61	0.79	6	16	7.48	Haughton Grove	13.04	2.45	13	13	..
Ewarton	3.73	0.94	26	12	..	Knockalva	8.76	1.88	12	15	..
Cave Valley	1.21	0.38	8	10	7.87	Darliston	9.45	2.05	28	10	14.56
Guanaboa Vale	3.33	1.10	3	6	..	Bluefields	6.40	1.83	12	10	10.83
Point Hill	6.17	1.65	7	10	10.89	Whithorn	3.52	0.73	18	8	11.20
Brown's Hall	7.85	2.35	4	14	9.81	Water Works Pen	6.82	1.60	5	11	11.01
Bellas Gate	5.82	1.80	29	12	5.71	Williamsfield, Wld.	3.29	1.11	16	10	..
Rock River	3.47	1.30	29	5	..	Petersfield	6.94	1.73	10	11	..
Crofts Hill	2.14	0.55	14	8	7.67	Bauk	2.77	1.07	18	7	..
Kellitts	2.41	1.08	12	8	..	Askenish	11.71	3.58	15	15	12.07
Suttons	5.75	1.50	29	12	..	Grange Hill	7.48	1.72	15	14	11.75
Colonel's Ridge	4.25	1.70	29	12	..	Mount Eagle	7.43	1.84	5	12	..
Chapelton	5.17	1.20	29	12	7.86	King's Vale	2.70	0.84	30	9	10.85
Crooked River	4.76	1.50	29	13	..						
James Hill	3.22	0.90	12	9	..	<b>SOUTHERN DIVISION (S.)</b>					
Frankfield	3.40	0.81	29	10	7.17	Morant Point L.H.	5.38	2.25	13	11	6.94
<b>WEST-CENTRAL DIVISION (W.C.)</b>						Golden Grove	6.29	0.90	7	19	..
Mocho, Clarendon	3.84	1.70	30	11	9.10	Pleasant Hill	5.21	0.83	7	14	8.44
Thompson Town	5.38	1.00	13	9	..	East Prospect	7.40	3.78	13	11	8.37
Clarendon Park	6.84	1.19	16	14	..	Morant Bay	8.49	4.73	13	12	8.00
Porus	6.72	0.88	14	17	..	Lloyds	6.68	1.34	7	13	..
Borobridge	2.89	1.54	12	5	..	Yallahs	5.32	1.98	8	5	..
Spaldings	2.54	1.00	29	6	7.97	Easington	4.43	1.14	7	8	8.18
Williamsfield	..	..	..	..	..	Mavis Bank	3.75	1.83	27	11	..
Brokenhurst	8.47	1.49	8	16	9.91	Bull Bay	2.94	1.15	6	3	4.10
Shooter's Hill	2.97	0.59	27	10	9.14	Dallas Castle	4.11	2.67	29	8	..
Wait-a-bit	1.93	0.92	12	4	..	Gordon Town	3.66	1.20	29	8	7.84
Christiana	3.16	1.06	5	14	9.17	Irish Town	6.09	1.30	11	10	8.35
Holmwood	2.49	0.85	29	8	..	Hope Gardens	3.34	0.89	12	13	6.94
Clifton Hill	5.82	1.70	4	9	11.43	Bamboo Pen	2.31	0.74	29	9	..
Kendal, Manchester	2.88	0.80	28	9	9.60	Plumb Point L.H.	2.63	1.12	29	6	4.30

STATIONS.	September, 1941.					STATIONS.	September, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar. ..	3.67	1.12	7	10	5.32	Newport, Man. ..	5.99	1.75	8	7	8.20
Up-Park Camp ..	2.09	1.22	29	8	..	Alligator Pond ..	..	..	..	..	5.48
Cavaliers ..	1.57	1.03	29	7	..	Myersville ..	5.01	2.42	12	11	..
St. George's College ..	0.48	0.15	6	5	..	Goshen ..	3.58	1.34	28	9	..
Upper Kingston ..	1.42	0.78	29	9	4.33	Munro ..	3.04	0.77	26	13	..
Parade Garden ..	1.37	0.66	29	5	..	Windsor, St. Eliz. ..	4.46	1.35	6	12	..
Kingston P.W.O. ..	1.45	0.72	29	6	3.87	Torrington ..	1.84	0.80	6	4	6.49
Shortwood College ..	4.50	1.50	7	6	..	Santa Cruz ..	4.46	1.58	28	10	9.66
Constant Spring ..	5.38	1.72	19	12	..	Hounslow ..	3.50	1.23	6	7	..
Halfway Tree ..	1.55	1.02	7	2	4.72	Pedro Plains ..	2.63	1.16	22	6	4.07
Clifton Pen ..	1.60	0.60	29	6	4.24	Mountainside ..	4.61	2.10	5	5	4.66
Twickenham Park ..	2.19	0.60	29	6	..	Fort Charles ..	1.15	0.50	29	3	..
Red Hills ..	3.68	1.83	23	9	..	Black River ..	3.84	1.49	11	9	5.43
Quarantine Station ..	3.69	2.35	30	7	2.98	Mt. Charles ..	5.84	1.37	5	16	..
Hematine ..	2.24	1.14	29	4	4.89	Font Hill ..	..	..	..	..	6.66
Spanish Town ..	1.66	0.86	29	9	4.94	Mount Edgecombe ..	4.93	1.33	11	15	8.25
Hog Hole, St. Cath. ..	1.50	0.55	29	7	5.69	Sav.-la-Mar ..	2.88	0.90	7	10	7.08
Old Harbour ..	4.66	2.30	29	5	6.01	Little London ..	4.49	1.15	4	10	9.25
May Pen ..	4.94	1.55	21	10	7.04	Retreat ..	0.82	0.44	4	4	7.72
Glen Muir ..	3.50	1.50	29	5	..	Negril Point L.H. ..	3.44	1.31	4	9	6.71
Cottage ..	7.36	2.10	29	9	..						
Belle Plain ..	6.80	1.35	29	16	..						
Milk River ..	8.03	1.45	29	12	7.27						
Retrieve ..	7.64	1.83	28	10	7.42						
Stone's Hope ..	5.70	1.62	8	12	8.67						

**NOTES:**

**COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.**

DIVISIONAL AND ISLAND RAINFALL.	September.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern ..	7.47	8.48	13	13
Northern ..	4.01	5.89	10	10
West-central ..	6.12	10.99	11	16
Southern ..	3.98	6.42	9	11
The Island means	5.40	7.92	11	13

**SHOCKS OF EARTHQUAKE IN SEPTEMBER, 1941.**

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

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

## THE ISLAND.

The mean rainfall for the Island was much below normal in all Divisions, being only about 70% of the average. The disturbance which passed south of the Island on the 26th did not have any marked effect on the rainfall, as is usual in such cases.

The greatest total fall for the month was 18.90 inches at Fellowship in the North-eastern Division, and the heaviest fall in 24 hours was 6.90 inches at the same station on the 29th.

The rainfall, though deficient, was fairly well distributed, the heaviest precipitation being in the latter half of the month.

The mean number of rain days was 11, the average for the month being 13. Ecclesdown, in the North-Eastern Division had the greatest number—20.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 9.43 inches, was the highest; St. Thomas, with 7.71 inches, next; and Hanover, with 7.54 inches, third. Kingston, with 1.47 inch, was lowest. All the parishes were below normal, except St. Mary which had a slight excess.

Parish.	1941.	10-year Average.	Parish.	1941.	10-year Average.
	ins.	ins.		ins.	ins.
Kingston	1.47	3.88	St. James	4.90	6.31
St. Andrew	4.53	8.42	Hanover	7.54	8.84
St. Thomas	7.71	9.59	Westmoreland	5.66	9.62
Portland	9.43	18.90	St. Elizabeth	4.09	7.84
St. Mary	6.53	6.40	Manchester	5.16	9.28
St. Ann	3.95	5.59	Clarendon	4.56	7.38
Trelawny	4.74	6.26	St. Catherine	4.55	6.70

The total rainfall for the nine months is given below, compared with the 60-year average and shews a deficiency of 1.05 inch:—

	1941.	60-Year Average.
	ins.	ins.
January	5.10	4.00
February	6.40	3.13
March	2.89	3.35
April	5.47	4.77
May	10.24	8.77
June	3.53	6.53
July	4.42	4.75
August	5.67	6.93
September	5.40	7.94
	49.12	50.17

## CITY OF KINGSTON.

The total rainfall for the month of September was 1.45 inch, the 60-year normal being 3.87 inches, representing less than one-half the normal. There were six days with appreciable rain. The greatest rainfall in 24 hours was 0.72 of an inch on the 29th. The upper boundary of Kingston gauged 1.42 inch with 9 rain days.

The several directions in which distant rain was observed are as follows:—To north, seven; to north-east, three; to east and south-east, two each; to south, three; to west, three; and north-west, six.

Distant thunderstorm to north on 5 days, to north-east, once; to south, 3; to west, once; and to north-west, 5. Local thunderstorm on the 7th at 7.00 p.m.

The mean barometric pressure was 29.874 inches, the 33-year normal being 29.889 inches, shewing 0.015 inch below the normal. Highest reading was 29.942 inches on the 1st at 7 a.m., and the lowest, 29.784 inches, on 20th at 3 p.m. at the time of a weather disturbance or hurricane to the seaward of Jamaica. These readings are corrected for diurnal variation.

The mean temperature for the month was 81.8°, being 1.2° above the 33-year normal of 80.6°. Highest maximum 94.2° on the 3rd, and the lowest minimum 71.7° on the 10th. The extreme monthly range was therefore 22.5°, and the maximum temperature was 90° and above on 25 days. On the other hand, the lowest maximum was 82.2° on the 29th and the highest minimum 80.1° on the 9th. Greatest range 19.5° on the 11th, and the least range 5.1° on the 19th, a rain day.

The mean daily miles of wind registered was 210, the 25-year normal being 169, or about 24% above the normal. The greatest number of miles of wind recorded in 24 hours was 387 on the 9th, and the least 96, on the 6th. The greatest velocity, of short duration, was 26 miles per hour on the 26th at 10 a.m. South-east rain squall on 26th, also at 10 a.m. South-easterly wind rose early once and continued after 7 p.m. on 14 occasions, and throughout the night once.

The mean relative humidity was 76%, the 33-year normal being 82% or 6% below the mean. The mean 7 a.m. was 79% and the mean 3 p.m., 66%. Lowest 7 a.m., 64%, on the 9th and lowest 3 p.m., 42%, on the 26th.

Overcast conditions prevailed in the early forenoon on 14 occasions and in the afternoon on 19.

Total evaporation for the month 8.36 inches, the 10-year average being 5.12 inches. This exceptional evaporation is no doubt due to excess of temperature, as well as to higher wind average.

Mean daily number of sunshine hours 7.5.

## WEATHER DISTURBANCE— SEPTEMBER 1941.

On the 23rd of September a weather disturbance was located by the United States Weather Bureau approximately to the northeast of Barbados near to Lat.  $15^{\circ}$  north, and apparently moving in a westerly direction. On the 24th it was estimated to have moved in its track to a point about 250 miles southward of Puerto Rico. On the 25th it was located about Lat.  $14^{\circ}$  north and Long.  $70^{\circ}$  west, or south of Santo Domingo, still moving westward. It was estimated to be then of considerable intensity with winds of hurricane force near to the centre at 1 p.m., and moving on its track at a mean rate of about 16 miles per hour. On the 26th, it was estimated to be, at 1.30 a.m., near to Long.  $73\frac{1}{2}^{\circ}$  west, or about 400 miles to the southeast of Jamaica, moving westward and attended by severe gales and probably winds of hurricane force. Caution was advised all vessels in its path. Then at 7.30 a.m. the centre was reported near to Lat.  $14^{\circ}$  north and Long.  $75^{\circ}$  west, or about 350 miles to the south-southeast of Jamaica, still moving to westward or west-north-westward, with winds of hurricane force and moving at 17 miles per hour on its track. At 1 p.m. the centre moved to a point  $14^{\circ}$  to  $15^{\circ}$  Lat. north, and Long.  $76\frac{1}{2}^{\circ}$  west, at a rate of about 17 miles per hour on its track, with winds of full hurricane force.

This hurricane proceeded in a westerly course, and was central on the 27th at 7 a.m. about 150 miles east of Cape Gracias, Nicaragua, near to Lat.  $15^{\circ}$  north and Long.  $81^{\circ}$  west, then continued over Cape Gracias late in the afternoon on the 27th. On the 28th at 1 a.m. this Caribbean hurricane passed inland near to Cape Gracias and was central over Nicaragua, diminishing rapidly in intensity. On Monday, the 29th at 1 a.m. it was central 120 miles west by south of Belize, British Honduras, moving west, north-westward or north-westward at about 14 miles per hour, passing into the Gulf of Campeche with gale force near to the Yucatan Coast. On the 30th it was estimated to be then of moderate intensity and central at 7 a.m. near to Lat.  $20^{\circ}$  north and Long.  $85^{\circ}$  west at about 120 miles to the north-east of Vera Cruz, Mexico, moving slowly north, north-westward, attended by gales over a small area.

This hurricane appears to have been of small diameter, but of great intensity. When passing to the south of Jamaica on the 26th about 250 miles southward, the sea was much agitated, causing heavy seas on the south coast of Jamaica, accompanied by high easterly winds, especially at Morant Point, where the velocity attained 25 to 30 miles per hour. The barometric pressure in this Island was not much affected owing to the small diameter of this storm centre, and to its relatively remote distance.

According to Press Reports there was considerable loss of life on the Cayman Islands fishing vessels sailing in the vicinity of the Nicaragua coast.

The mean Island rainfall over Jamaica during this disturbed period, was not appreciably affected, as is usually the case when a storm centre travels along a nearer track to this Island.

Usual storm warnings advising caution were circulated by the Island Telegraph as well as through the Local Broadcasting Station.

J. F. BRENNAN,  
Government Meteorologist.

Kingston, Jamaica,  
October 20th, 1941.



JAMAICA  
**WEATHER REPORT.**  
 FOR THE MONTH OF  
**OCTOBER, 1941.**

The barometric 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 two standards only. Thermometers are exposed in Stevenson's Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)			Extreme Temperature (F.)					
		7 a.m.	3 p.m.	°	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
Morant Point Light House	8	29.947	29.901	82.2	85.2	87.3	78.9	8.4	88.8	5	72.0	16	16.8
Kingston	24	29.919	29.860	75.3	87.5	90.7	73.2	17.5	94.0	6	70.6	29	23.4
Negril Point Light House	33	29.913	29.867	76.9	84.9	88.8	72.6	16.2	91.3	8	69.5	29	21.8
Montego Bay †	33	..	..	75.2	87.2	91.0	71.5	19.5	93.5	13	69.5	14	24.0
Castleton Gardens	496	..	..	71.5	84.8	88.6	68.7	19.9	90.5	23	66.0	10	24.5
Hope Gardens*	668	29.927	29.839	79.2	86.2	90.3	70.8	19.5	95.0	6	69.0	*25	26.0
Hill Gardens, Blue Mountains*	4,900	25.247	25.202	64.8	67.7	73.5	59.6	13.9	78.0	6	57.3	30	20.7

STATIONS.	Elevation.	Dewpoint and Rel. 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.	Dir.	m.p.h.	Dir.	m.p.h.	7 a.m.	3 p.m.	L.	M.	U.	L.	M.
Morant Point Light House	8	76	82	77	76	7.60	274	E	13.0	E	11.0	2.4	3.2	1.4	2.6	3.0	1.0			
Kingston	24	69	83	74	65	2.64	169	NNE	4.9	SE	14.9	0.3	0.9	2.1	3.2	2.7	1.4			
Negril Point Light House	33	71	83	74	70	5.15	113	ENE	4.2	WSW	7.6	0.1	0.6	5.4	3.6	4.0	0.8			
Montego Bay	33	72	89	78	75	1.71	..	SE	..	NE	..	..	..	..	..	..	..			
Castleton Gardens	496	71	95	74	70	5.30	..	..	..	..	..	..	..	..	..	..	..			
Hope Gardens	668	72	69	70	75	3.92	..	..	..	..	..	..	..	..	..	..	..			
Hill Gardens, Blue Mtns.	4,900	81	59	88	64	8.03	..	..	..	..	..	..	..	..	..	..	..			

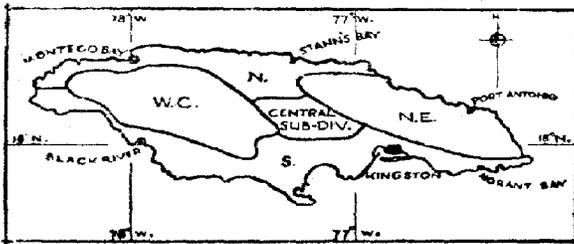
\* And on other days. †Montego Bay—observations made at 8 a.m. and 3 p.m.  
 \*Hope Gardens—observations made at 9 a.m. and 3 p.m.

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



October, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average
		Amount.	Date.		
<b>NORTH EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Rose Hill	9.08	1.72	25	15	15.84
Mount Cressy	7.19	1.70	15		
Hermitage	5.54	1.14	25	15	
Mount Airy	5.59	1.04	10	12	
Stony Hill Ind. Sch.	7.36	2.68	25	15	14.06
Brandon Hill	6.22	1.50	13	8	
Enfield	2.97	1.13	14	6	
Agualta Vale	2.54	0.62	16	11	6.26
Castleton Gardens	5.00	1.20	10	8	14.36
Water Valley	2.47	1.00	17	8	7.27
Albany					7.44
Lawrence Tavern	4.36	1.40	16	9	11.90
Wey Hill	4.67	2.16	10	11	
Richmond, St. Mary	3.30	1.12	4	8	8.14
Quebec, St. Mary	6.74	1.77	16	10	9.33
Above Rocks	6.68	2.67	10	9	
Glengoffe	3.63	0.76	10	8	
Carew Castle	3.86	1.60	10	9	12.61
Hampstead, St. Mary	5.60	1.10	15	9	7.88
Windsor Castle do.	4.72	2.32	15	4	
Troja	5.75	2.05	10	6	
Pear Tree Grove	3.13	0.90	16	7	
Guy's Hill	3.94	0.93	14	8	7.27
Lucky Hill	5.83	1.60	16	11	8.26
Rio Hoe	3.02	1.29	14	9	8.68
Unity Valley	7.17	1.67	18	14	8.94
Moneague	6.23	1.86	10	11	8.97
Claremont	2.77	1.00	16	10	8.18
Averham Park	4.81	0.95	17	13	10.52
Albion	5.82	1.38	10	10	8.89
<b>NORTHERN DIVISION (N).</b>					
Port Maria	7.00	1.90	16	14	8.26
Wentworth	5.85	2.06	16	9	
Jacks River	7.53	2.95	16	14	
Oracabessa	7.16	1.82	16	12	
Retreat	4.25	1.00	17	10	
Huddersfield	5.72	2.28	16	7	
Exchange	5.34	1.23	17	9	
Ocho Rios	3.76	0.88	14	10	5.56
Rockfield	4.15	0.87	2	14	6.40
Liberty Hill	0.44	0.14	2	5	5.93
St. Ann's Bay	4.46	1.85	2	14	6.62
Richmond Estate	4.29	0.85	16	13	6.94
Runaway Bay	3.60	1.55	14	8	3.07
Knapdale	4.66	1.40	26	15	
Alexandria	3.96	1.37	10	8	7.96
Bel-Air	4.00	1.50	14	10	
Brown's Town	3.39	0.51	13	15	8.32
Wilton	3.86	1.35	16	8	
Watt Town, St. Ann	4.09	1.02	15	8	8.33
Home Castle	4.05	1.50	15	5	6.51
Stewart Town	4.52	0.87	17	12	
Arcadia	3.85	1.80	16	11	6.15
Vale Royal	3.83	1.97	16	12	6.50
Harmony Hall					5.18
Duncans	2.80	1.78	16	4	
Clark's Town	2.48	0.95	17	7	
Palmouth	2.35	0.67	31	8	5.54

October, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal	11.07	2.84	16	12	16.40
Ecclesdown					
Priestman's River	4.25	1.75	17	7	13.31
Bath	10.39	3.08	17	18	16.43
Barrett's Gap	13.81	3.73	17	17	
Millbank	24.84	10.90	2	18	
Bowden Pen	23.98	7.18	2	24	
Moore Town	32.24	8.05	2	22	18.74
Port Antonio	20.05	8.05	2	12	14.24
Passley Garden	20.03	11.55	2	22	
Fellowship	21.28	8.04	2	19	15.96
Johnson River Br.	7.09	1.90	25	6	13.59
Trinity Ville	6.81	1.95	17	8	
Fruitful Vale	6.95	2.02	16	11	
Hope Bay	9.78	6.09	2	12	
Cedar Valley	5.94	1.85	17	11	13.94
Swift River	10.24	2.65	2	16	
Lennox	9.47	2.40	12	13	
Greenvale	5.21	0.90	10	9	10.97
Darley	17.20	12.43	2	11	
Spring Garden	4.34	1.00	2	13	6.13
Hill Gardens	7.33	2.15	25	13	16.21
Buff Bay	7.50	2.97	15	15	9.27
Buff Bay R. Est.	4.01	0.50	15	13	
Belvedere, Portland	3.91	1.34	15	9	6.55
Windsor Castle, do.	6.35	2.00	15	6	7.38
Balcarres	7.43	1.60	11	14	
Mt. Holstein	7.89	1.74	14	11	
Cedar Hurst	8.72	2.75	15	14	
Hardware Gap	11.22	1.78	14	22	14.72

STATIONS.	October, 1941.					STATIONS.	October, 1941.				
	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.		
<b>NORTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>WEST-CENTRAL DIVISION, contd.</b>	Ins.	Ins.			Ins.
Adelphi	5.12	2.00	25	11	..	Mereworth	10.65	3.63	24	17	..
Barrett Hall	2.18	0.52	25	6	..	Mandeville	6.30	1.28	14	17	14.86
Success	1.98	1.02	29	7	5.98	Ulster Spring	5.65	1.94	25	14	11.90
Rose Hall	2.28	0.95	29	9	6.24	Greenvale	4.31	1.03	10	9	..
Cinnamon Hill	3.00	0.95	30	9	6.66	Albert Town	5.43	2.88	25	4	11.79
Tryall	1.77	0.45	30	7	6.01	Craig Head	7.03	2.00	25	7	..
Running Gut	2.51	0.90	29	8	5.52	Warsop	14.33	5.25	11	12	..
Spring Estate	1.90	0.90	30	6	6.33	Troy	14.27	4.00	11	15	15.46
Friendship	1.72	0.81	2	7	10.16	Wallingford	15.51	2.84	26	25	13.54
Retirement	2.45	0.96	2	9	9.63	Balaclava	10.75	1.48	10	15	12.22
Rose Mount	..	..	..	..	..	Braes River	5.87	1.48	10	10	..
Montego Bay	1.71	0.64	17	7	7.53	Wakefield	2.87	0.68	25	10	..
Anchovy	3.90	0.97	10	11	6.96	Aberdeen	7.47	1.29	20	18	..
Hopewell	3.35	1.37	17	7	..	Accompong	14.63	2.77	19	21	..
Blue Hole	3.83	1.34	17	10	10.44	Maggotty	13.84	2.02	9	20	13.85
Cascade	13.90	1.92	2	11	..	Lacovia	8.65	1.72	16	15	..
Lucea	4.94	1.67	17	10	8.12	Mulgrave	16.62	1.95	19	24	..
Haughton Court	4.99	1.25	17	10	7.18	Holland	11.24	2.51	15	13	..
Kendal—Hanover	17.46	2.53	20	18	..	Ipswich	7.73	0.78	25	19	..
Cousins Cove	8.00	1.68	25	22	..	Ginger Hill	..	..	..	..	..
Green River	16.14	1.70	8	13	..	Kempshot	2.97	0.79	16	11	9.67
Green Island	4.25	1.32	2	11	8.61	Mocho, St. James	14.55	2.75	25	12	..
Haughton Hall	6.87	1.39	7	17	..	Catadupa	11.40	2.37	10	18	14.00
<b>CENTRAL SUB-DIVISION.</b>						Cambridge	8.90	1.68	25	14	12.42
Knollis	7.71	2.56	2	9	..	New Market	15.31	3.10	19	14	13.14
Highgate (St. Cath.)	4.40	0.86	11	18	..	Springfield	..	..	..	..	..
Rio Magno	6.57	1.85	8	8	..	Kew Park	12.13	1.80	27	15	12.03
Riversdale	5.03	2.05	2	9	..	The Bog	13.53	2.71	10	22	13.75
Headworks, R.C.C.	6.82	2.56	28	13	9.03	Bethel Town Dist.	10.53	1.25	15	19	16.37
Bog Walk	6.55	1.60	1	9	..	Burnt Ground	9.69	1.94	25	13	12.28
Linstead	8.62	1.56	21	15	9.46	Houghton Grove	10.25	1.80	27	9	11.67
Ewarton	5.28	1.40	16	9	..	Knockalva	10.15	1.92	25	18	..
Cave Valley	5.30	1.08	9	10	9.81	Darliston	10.44	3.09	28	18	14.89
Guanaboa Vale	5.42	1.37	25	10	..	Bluefields	10.44	1.68	15	15	10.89
Point Hill	7.77	1.91	8	11	14.43	Whithorn	6.56	1.34	20	11	12.70
Brown's Hall	4.90	1.04	27	8	12.12	Water Works Pen	10.48	3.70	20	18	11.31
Bellas Gate	3.72	1.05	17	6	11.55	Williamsfield, Wld.	11.47	2.40	19	16	..
Rock River	3.09	1.45	10	3	..	Petersfield	8.31	2.14	26	19	..
Crofts Hill	3.70	1.27	18	9	10.10	Baulk	10.55	1.48	27	16	..
Kellitts	6.65	1.74	24	7	..	Askenish	14.22	2.40	2	15	14.36
Suttons	6.34	1.78	17	8	..	Grange Hill	12.30	2.23	20	18	12.85
Colonel's Ridge	5.28	1.10	17	11	..	Mount Eagle	10.01	2.19	20	19	..
Chapelton	3.55	1.39	17	6	12.13	King's Vale	5.64	1.10	2	12	9.27
Crooked River	10.32	3.00	27	10	..	<b>SOUTHERN DIVISION (S.)</b>					
James Hill	4.98	1.20	17	9	..	Morant Point L. H.	7.60	5.20	15	12	11.35
Frankfield	3.79	1.14	8	9	11.27	Golden Grove	9.81	1.70	15	16	..
<b>WEST-CENTRAL DIVISION (W.C.)</b>						Pleasant Hill	7.69	1.30	14	17	11.37
Mocho, Clarendon	3.58	2.10	20	9	13.81	East Prospect	8.00	2.18	14	17	11.83
Thompson Town	6.47	3.03	27	8	..	Morant Bay	4.64	1.65	17	13	12.12
Clarendon Park	..	..	..	..	..	Lloyds	7.28	3.88	17	9	..
Porus	4.64	0.90	20	7	..	Yallahs	4.20	2.00	17	6	..
Borobridge	5.28	2.50	25	4	..	Easington	5.52	2.66	17	4	11.41
Spaldings	4.54	2.18	18	4	13.05	Mavis Bank	4.31	0.87	16	10	..
Williamsfield	3.39	1.14	23	10	..	Bull Bay	4.91	1.47	18	6	7.33
Brokenhurst	5.73	1.71	17	10	13.95	Dallas Castle	4.00	1.25	17	12	..
Shooter's Hill	5.54	1.50	2	10	12.08	Gordon Town	5.77	1.40	25	11	12.24
Wait-a-bit	7.01	2.02	25	14	..	Irish Town	8.53	1.90	25	14	10.54
Christiana	4.17	1.23	15	11	10.97	Hope Gardens	3.92	0.89	12	15	9.68
Holmwood	3.29	1.34	16	7	..	Bamboo Pen	5.00	1.10	12	12	..
Clifton Hill	4.76	1.75	17	7	15.41	Plurab Point L. H.	1.65	1.50	17	2	7.15
Kendal, Manchester	..	..	..	..	13.65						

STATIONS.	October, 1941.					STATIONS.	October, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar. . . . .	3.03	0.64	17	14	8.55	Stone's Hope . . . . .	4.15	1.14	12	6	12.14
Up-Park Camp . . . . .	4.16	0.98	17	12	..	Newport, Man. . . . .	4.40	1.74	24	6	11.79
Cavaliers . . . . .	3.06	1.08	17	11	..	Alligator Pond . . . . .	3.69	2.30	25	4	7.49
St. George's College . . . . .	1.49	0.59	27	6	..	Myersville . . . . .	5.84	2.62	23	8	..
Upper Kingston . . . . .	2.88	1.09	17	12	6.22	Goshen . . . . .	9.25	3.60	15	10	..
Parade Garden . . . . .	2.97	1.08	17	4	..	Munro . . . . .	7.03	1.90	12	13	..
Kingston P.W.O. . . . .	2.64	1.06	17	10	7.10	Windsor, St. Eliz. . . . .	8.78	1.89	15	16	..
Shortwood College . . . . .	7.94	1.44	26	14	..	Torrington . . . . .	6.54	1.70	12	10	10.09
Constant Spring . . . . .	6.49	2.05	25	15	..	Santa Cruz . . . . .	9.07	2.76	16	15	11.93
Halfway Tree . . . . .	2.41	0.80	17	8	8.05	Hounslow . . . . .	6.78	1.55	11	11	..
Clifton Pen . . . . .	2.80	1.20	17	10	6.56	Pedro Plains . . . . .	6.57	1.45	12	9	5.44
Twickenham Park . . . . .	2.08	0.84	17	9	..	Mountainside . . . . .	5.46	1.50	12	8	7.87
Red Hills . . . . .	6.23	1.23	25	11	..	Fort Charles . . . . .	2.84	1.00	11	5	..
Quarantine Station . . . . .	1.58	1.00	18	4	5.34	Black River . . . . .	5.63	1.15	11	16	8.06
Hematine . . . . .	8.09	2.29	30	10	6.86	Mt. Charles . . . . .	11.16	1.78	19	15	..
Spanish Town . . . . .	7.27	2.71	30	11	8.34	Font Hill . . . . .	..	..	..	..	8.81
Hog Hole, St. Cath. . . . .	8.17	2.37	20	11	8.94	Mount Edgecombe . . . . .	13.92	2.33	9	20	9.80
Old Harbour . . . . .	7.95	1.90	30	9	9.50	Sav.-la-Mar . . . . .	10.54	3.31	28	14	8.87
May Pen . . . . .	3.47	1.49	17	5	9.90	Little London . . . . .	14.60	2.96	19	20	10.50
Glen Muir . . . . .	4.05	2.40	17	5	..	Retreat . . . . .	12.38	2.45	8	16	10.10
Cottage . . . . .	6.03	2.04	14	5	..	Negril Point L. H. . . . .	5.15	2.05	19	21	8.21
Belle Plain . . . . .	3.96	1.40	17	9	..						
Milk River . . . . .	3.81	1.90	17	4	8.20						
Retrieve . . . . .	9.27	2.10	28	9	9.44						

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	October.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern . . . . .	7.53	11.72	12	15
Northern . . . . .	3.85	7.57	10	12
West-central . . . . .	9.13	12.31	15	17
Southern . . . . .	6.21	9.24	11	13
The Island means . . . . .	6.68	10.21	12	14

SHOCKS OF EARTHQUAKE IN OCTOBER, 1941.

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

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

## THE ISLAND—OCTOBER.

The mean rainfall for the Island was much below normal in all Divisions, being 3.53 inches less than the 60-year average. The deficit was most marked in the Northern Division, which had only about half of its average. With the exception of some stations in Portland—North Eastern Division—there was marked absence of the normal October "season" rains.

The greatest total fall for the month was 32.24 inches at Moore Town in the North Eastern Division, and the heaviest fall in 24 hours was 12.43 inches at Darley in the same Division, on the 2nd.

The rainfall, though deficient, was well distributed, the mean number of rain days being 12, as compared with the average of 14. Wallingford, in the West-Central Division, had the greatest number—25.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 12.12 inches, was highest; Westmoreland, with 10.78 inches, next; and St. Elizabeth, with 9.24 inches was third. Kingston, with 2.33 inches was lowest. All parishes were below the average.

Parish.	1941	10-year average.	Parish.	1941	10-year average.
	inches	inches		inches	inches.
Kingston ..	2.33	6.83	St. James ..	4.27	9.34
St. Andrew ..	5.59	12.11	Hanover ..	8.82	11.70
St. Thomas ..	7.60	14.56	Westmoreland ..	10.78	12.17
Portland ..	12.12	13.58	St. Elizabeth ..	9.24	12.17
St. Mary ..	5.08	9.17	Manchester ..	5.42	14.24
St. Ann ..	4.26	7.68	Clarendon ..	5.23	12.72
Trelawny ..	5.78	8.74	St. Catherine ..	5.73	10.73

## CITY OF KINGSTON.

The total rainfall for the month of October, 1941, was 2.64 inches, as compared with the 60-year normal of 7.11 inches representing only about one-third of the normal. The "season's" rainfall was therefore very deficient. The number of days with appreciable rainfall was ten, the average being 12. The greatest fall in 24 hours was 1.06 inch on the 17th. The upper boundary of Kingston gauged 2.88 inches with twelve rain days.

The several directions in which distant rain was observed are as follows:—To northward 8, to north-east 2, to east 1, to south-east 2, to south 1, and to west and north-west 2 each.

Distant lightning (intense) to northeast on the 2nd at 6.30 p.m. and westward twice. Distant thunderstorms to north-ward on 4 days, to north-east, east, south and west once each, and to north-west twice. Local thunder-storm on 17th at 3 p.m. and 5.30 p.m.

The mean barometric pressure was 29.902 inches, the 33-year normal being 29.866 inches, or 0.036 of an inch above the normal. The highest barometer reading was 29.973 inches on the 18th at 7 a.m., and the lowest was 29.788 inches on the 16th at 7 a.m., corrected for diurnal variation.

Mean temperature for the month was 81.2°, the 33-year normal being 79.4°, or 1.8° above the normal. The highest maximum was 94.0° on the 6th, and the lowest minimum 70.6° on the 29th. The extreme monthly range was therefore 23.4°. On the other hand, the lowest maximum was 89.1° on the 5th and 30th, and the highest minimum 76.0° on the 15th. The greatest range was 20.6° on the 29th and the least range 14.0° on the 15th. The maximum temperature was 90° and above on 24 occasions. The minimum was above 70° throughout.

The mean daily miles of wind registered, was 169, the 25-year normal being 155, or 9% above the normal. The greatest number of miles of wind recorded in 24 hours was 278 on the 8th, and the least was 101 on the 14th. The greatest velocity, of short duration, was 25 miles per hour, on the 16th at 5.10 p.m. South-easterly wind appeared early on 8 occasions. There was a south-east rainsquall on the 2nd at 5.45 p.m.

The mean relative humidity was 77%, the 33-year normal being 84%. The mean 7 a.m. was 83%, and the mean 3 p.m. 65%. The lowest 7 a.m. was 76% on the 4th and on four other days up to the 11. The lowest 3 p.m. was 51% on the 31st.

Overcast conditions prevailed in the forenoon on 8 occasions and in the early afternoon on 20 occasions.

Total evaporation for October was 7.56 inches, the 10-year normal being 4.05 inches. This excess over the normal is no doubt owing to higher temperature.

Mean daily number of sunshine hours 8.2.

## WEATHER DISTURBANCE, OCTOBER 4TH-10TH.

On the 5th inst. the United States Weather Bureau broadcast a message to the effect that at 7 p.m. on the 4th inst., a tropical disturbance had been located near Lat. 23°45' north, and Long. 71° west, moving at a progressive rate of about 20 miles per hour. This location placed the centre at about 200 miles north of Turks Island. Caution was advised all interests in the Bahama Islands and shipping west of this location.

In the early evening of the 5th, the storm was continuing on a west-north-westerly track, a short distance from Nassau, at a somewhat lower progressive rate (15 miles per hour) with hurricane winds over a small area.

On the 6th it was reported to have passed a short distance south of Miami, Florida, passing inland a short distance northward, and moving at 25 miles per hour, with extreme gusts at 124 miles per hour, and a sustained force for 40 seconds of 90 miles per hour.

On the 8th October, the United States Weather Bureau issued an advisory warning that the Tropical Disturbance which was centred near Charleston, South Carolina, on Wednesday morning, 8th October, had moved, and was located on Thursday the 9th inst., about 275 miles south of Hatteras, accompanied by moderate gales over a small area. This storm, according to a broadcast from Jacksonville, on the 10th October, appeared to have made a small loop, and its centre was later located at Lat. 29° to 30° west, at 7 a.m., and passed into the Atlantic Ocean. Appreciable damages to property were experienced.

The barometric pressure over Jamaica was not affected, and read about normal and above, between the 4th and 10th October. The rainfall over Jamaica was below the normal. A storm centre of such small diameter, and some 600 miles distant to northward, would have a remote likelihood of disturbing the local weather in Jamaica. Warning to north bound vessels was issued.

It may be noted that from the beginning of this century, this is the second occasion, worthy of note, of a hurricane "looping" in the Caribbean and adjoining waters. In the middle of October, 1910, a hurricane passing from the south of western Cuba, looped in a counter clockwise track, about 200 miles to westward of Havana.

RAINFALL, GEORGE TOWN, GRAND CAYMAN.

The rainfall at George Town, Grand Cayman, for the period January to October, 1941, was as follows:—

Month.	Total Fall.	Greatest fall in 24 hrs.	Date.	No. of Rain Days.
	Ins.	Ins.		
January ..	0.82	0.38	20	5
February ..	1.54	0.42	11	5
March ..	1.64	1.56	10	3
April ..	1.58	1.48	29	2
May ..	25.16	18.29	8	12
June ..	1.46	0.46	27	5
July ..	4.37	1.09	17	14
August ..	4.95	0.95	21	14
September ..	2.18	1.02	30	11
October ..	5.13	1.49	3	20

J. F. BRENNAN,  
Government Meteorologist.

Weather Office,  
Kingston,  
20th November, 1941.



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
NOVEMBER, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevenson Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)					Extreme Temperature. (F.)				
		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	ins.	ins.	80.9	83.7	86.5	77.7	8.8	91.5	12	70.2	3	21.3
Kingston	24	29.929	29.879	74.0	86.7	90.0	72.7	17.3	93.5	24*	70.6	23	22.9
Negril Point Light House	33	29.900	29.845	75.3	85.7	87.6	72.2	15.4	89.8	24	67.2	21	22.6
Montego Bay†	33	..	..	73.6	85.3	88.8	70.3	18.5	94.5	1	66.1	12	28.4
Castleton Gardens*	496	..	..	70.7	85.0	88.3	68.9	19.4	89.5	8*	66.0	4	23.5
Hope Gardens *	668	29.928	29.811	75.7	85.7	89.0	70.0	19.0	92.0	5*	68.0	21*	24.0
Hill Gardens, Blue Mountains*	4,900	25.311	25.178	62.0	65.8	70.4	58.3	12.1	75.0	23	54.3	20	20.7

STATIONS.	Elevation.	Dewpoint and Rel. 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.
Morant Point Light House	8	75	82	75	75	2.18	241	ENE	13.0	ENE	12.0	2.4	3.6	1.2	2.1	3.2	1.2
Kingston	24	69	84	72	64	0.77	155	N	4.9	SE	12.4	0.4	0.9	1.5	2.4	3.3	1.0
Negril Point Light House	33	71	87	74	67	3.76	112	ENE	4.6	NNE	8.1	0.9	1.4	2.7	1.9	2.9	1.7
Montego Bay	33	71	91	78	80	10.12	..	E	..	NE	..	..	..	..	..	..	..
Castleton Gardens	496	70	95	77	78	9.57	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67	77	71	63	4.95	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	58	86	63	90	3.93	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

\* Hope Gardens—observations made at 9 a.m. and 3 p.m.

† Montego Bay—observations made at 8 a.m. and 3 p.m.

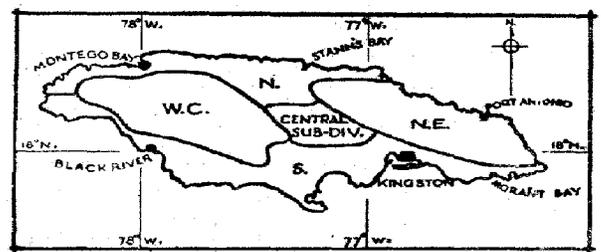
THE RAINFALL.

November, 1941.

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.	November, 1941.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Amount.	Date.			
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal	8.08	1.56	25	15	14.25
Ecclesdown	14.01	4.68	17	23	
Priestman's River	3.79	0.94	7	13	11.66
Bath	10.87	1.61	25	19	14.24
Barrett's Gap	15.80	2.80	17	20	
Millbank	23.34	5.03	18	21	
Bowden Pen	25.40	5.30	18	21	
Moore Town	29.93	8.90	18	23	33.29
Port Antonio	16.57	5.50	18	21	16.98
Passley Garden	19.38	4.73	18	20	
Fellowship	26.39	7.00	22	18	25.41
Johnson River Br.	3.71	1.00	7	8	8.91
Trinity Ville	4.50	1.37	7	7	
Fruitful Vale	23.89	6.98	17	15	
Shrewsbury	21.50		1	11	
Hope Bay	15.57	3.10	17	14	
Swift River	26.67	6.75	18	17	
Cedar Valley	3.67	1.30	6	12	12.08
Lennox	14.64	2.84	25	14	
Greenvale	20.49	6.09	4	11	33.76
Darley	16.57	4.10	18	15	
Spring Garden					13.01
Hill Gardens	7.03	4.38	18	16	15.57
Buff Bay	10.56	1.45	17	16	15.92
Buff Bay R. Est.	15.83	4.85	17	17	
Belvedere, Portland	10.80	4.10	18	18	15.52
Windsor Castle, do.	13.80	2.65	18	8	15.45
Balcarras	20.45	5.50	17	21	
Mt. Holstein	8.01	1.18	26	24	30.39
<b>NORTH-EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Cedar Hurst	5.19	1.11	16	20	
Hardware Gap	8.14	2.30	12	10	16.76
Rose Hill	4.27	0.62	4	16	15.38
Mount Cressy	13.69	2.30	15		
Hermitage	5.87	1.61	11	17	
Mount Airy	15.84	2.76	7	15	
Stony Hill Ind. Sch.	1.00	0.35	4	7	8.19
Brandon Hill	4.95	1.50	6	6	
Enfield	14.69	2.90	17	14	
Agualta Vale	12.93	2.85	17	18	11.68
Castleton Gardens	9.59	2.40	7	13	16.40
Water Valley	15.06	3.80	17	12	10.84
Albany	18.96	7.00	17	19	11.16
Lawrence Tavern	3.24	1.40	4	8	9.69
Wey Hill	5.81	0.88	26	15	
Richmond, St. Mary	10.66	3.54	26	11	12.12
Quebec, St. Mary	17.14	3.80	17	21	9.79
Above Rocks	3.68	2.04	11	7	
Glengoffe	2.53	1.00	9	5	
Carew Castle	4.37	2.09	11	6	10.69
Hampstead, St. Mary	15.21	5.50	17	13	16.24
Windsor Castle do.	7.50	1.88	17	13	
Troja	5.44	1.20	25	8	
Pear Tree Grove	7.37	1.90	26	10	
Guy's Hill	9.49	2.82	4	9	10.74
Lucky Hill	15.55	4.00	8	21	14.78
Rio Hoe	7.37	1.84	16	13	10.78
Unity Valley	4.04	0.80	16	14	10.35
Moneague	4.59	0.95	16	12	11.84
Claremont	9.55	2.84	11	16	11.99
Averham Park	7.43	1.50	18	27	13.38
Albion	4.97	1.03	16	10	10.62
<b>NORTHERN DIVISION (N)</b>					
Port Maria	15.71	4.15	18	20	11.02
Wentworth	13.73	4.20	18	13	
Jacks River	15.38	3.40	18	21	
Oracabessa	14.35	2.11	18	16	
Retreat	12.15	2.80	18	12	
Huddersfield	11.74	1.56	16	12	
Exchange	11.12	3.20	16	7	
Ocho Rios	11.74	1.59	16	17	9.50
Rockfield	11.75	0.93	24	20	15.09
Liberty Hill	1.91	0.49	9	7	11.06
St. Ann's Bay	10.58	1.93	9	14	9.58
Richmond Estate	11.19	2.60	16	15	9.64
Runaway Bay	5.60	1.88	11	10	3.98
Knapdale	12.19	5.25	16	15	
Alexandria	3.70	0.85	16	9	5.45
Bel-Air	9.55	2.45	9	15	
Brown's Town	13.58	5.28	16	19	11.23
Wilton	8.99	2.74	16	16	
Watt Town, St. Ann	5.06	3.03	17	7	5.15
Home Castle	6.20	2.00	18	6	9.00
Stewart Town	6.24	1.15	23	12	
Arcadia	5.03	2.50	9	10	7.50
Vale Royal	5.03	1.90	9	14	7.75
Harmony Hall					6.11
Duncans	4.65	2.44	9	7	
Clark's Town	4.28	0.95	17	13	
Falmouth	7.51	1.46	8	16	5.02

STATIONS.	November, 1941.					STATIONS.	November, 1941.				
	Total Fall.	Greatest fall in 2 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.		
<b>NORTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>WEST-CENTRAL DIVISION, contd.</b>	Ins.	Ins.			Ins.
Adelphi	4.45	1.11	25	13	..	Mereworth	6.02	1.94	17	14	..
Barrett Hall	5.02	1.35	9	8	..	Mandeville	5.27	1.46	21	10	7.05
Success	9.08	0.55	16	13	5.22	Ulster Spring	6.44	1.90	16	10	7.30
Rose Hall	9.34	..	..	15	5.71	Greenvale	4.56	1.03	10	10	..
Cinnamon Hill	8.53	..	..	11	5.56	Albert Town	7.45	2.19	16	5	7.40
Tryall	9.32	..	..	11	4.30	Craig Head	4.67	1.62	16	5	..
Running Gut	11.09	..	..	14	5.21	Warsop	5.74	2.00	15	8	..
Spring Estate	8.40	..	..	10	5.74	Troy	8.33	1.55	17	11	7.07
Friendship	9.96	2.00	12	17	5.97	Wallingford	5.91	1.90	16	18	6.87
Retirement	11.78	2.76	12	14	6.54	Balaclava	7.05	1.41	16	12	5.93
Rose Mount	..	..	..	..	..	Braes River	7.97	2.38	11	12	..
Montego Bay	10.12	4.84	8	15	5.10	Wakefield	5.28	1.02	17	15	..
Anchovy	9.63	3.52	9	13	3.23	Aberdeen	9.61	1.48	17	16	..
Hopewell	7.94	2.00	15	13	..	Accompong	6.41	1.38	12	15	..
Blue Hole	10.64	2.09	8	16	8.07	Maggotty	3.68	0.90	10	12	6.81
Cascade	8.41	2.23	9	10	..	Lacovia	4.92	0.80	18	13	..
Lucea	10.85	1.34	11	16	5.82	Mulgrave	8.60	1.70	28	17	..
Haughton Court	13.09	3.30	8	14	4.58	Holland	..	..	..	..	..
Kendal—Hanover	4.84	2.30	7	15	..	Ipswich	5.69	1.53	30	4	..
Cousins Cove	6.04	1.35	8	20	..	Ginger Hill	..	..	..	..	..
Green River	4.41	1.32	8	8	..	Kempshot	16.30	2.97	15	16	6.70
Green Island	4.97	1.48	8	12	4.62	Mocho, St. James	14.84	3.00	9	11	..
Haughton Hall	3.57	0.95	8	15	..	Catadupa	9.38	2.70	7	12	8.01
<b>CENTRAL SUB-DIVISION.</b>						Cambridge	7.23	2.72	9	9	5.53
Knollis	3.16	1.82	16	5	..	New Market	..	..	..	..	7.39
Highgate (St. Cath.)	4.62	2.63	11	10	..	Springfield	..	..	..	..	..
Rio Magno	8.11	1.50	25	9	..	Kew Park	4.74	1.47	17	12	5.66
Riversdale	3.27	1.38	16	6	..	Seaford Town	5.95	1.35	22	15	..
Headworks, R.C.C.	3.40	1.07	11	9	5.12	Exeter	9.50	1.40	21	20	..
Bog Walk	3.72	1.50	16	4	..	The Bog	10.12	1.80	15	9	6.66
Linstead	3.75	2.10	17	5	6.47	Bethel Town Dist.	5.82	2.25	12	12	7.50
Ewarton	0.21	0.21	16	1	..	Burnt Ground	11.84	2.39	9	13	5.96
Cave Valley	3.70	1.77	16	4	5.30	Haughton Grove	10.53	2.00	4	12	5.46
Guanaboa Vale	2.51	0.62	6	4	..	Knockalva	10.01	2.69	4	13	..
Point Hill	8.18	1.78	29	9	10.01	Darliston	7.07	1.56	11	17	7.35
Brown's Hall	9.23	2.45	11	9	10.46	Bluefields	5.80	1.56	10	9	6.48
Bellas Gate	5.78	1.98	15	8	3.56	Whithorn	4.96	1.34	13	8	6.06
Rock River	6.55	2.15	27	6	..	Water Works Pen	5.67	1.10	12	15	4.90
Crofts Hill	2.81	0.62	16	7	6.40	Williamsfield, Wld.	5.32	1.20	9	10	..
Kellit's	1.54	0.90	15	5	..	Petersfield	3.91	0.66	12	12	..
Suttons	..	..	..	..	..	Baulk	2.95	0.65	8	9	..
Colonel's Ridge	4.72	2.00	11	8	..	Askenish	5.67	1.50	13	9	5.04
Chapelton	2.41	0.53	27	10	4.83	Grange Hill	6.29	2.57	8	13	5.66
Crooked River	1.42	0.58	9	5	..	Mount Eagle	6.21	2.38	8	13	..
James Hill	3.38	1.24	17	8	..	King's Vale	1.48	0.40	8	6	5.05
Frankfield	1.88	0.70	27	7	4.39	<b>SOUTHERN DIVISION, (S).</b>					
<b>WEST-CENTRAL DIVISION (W.C.)</b>						Morant Point L. H.	2.18	0.62	9	17	7.97
Mocho, Clarendon	5.35	1.22	18	13	5.67	Golden Grove	4.84	0.90	6	19	..
Thompson Town	2.49	0.56	13	10	..	Pleasant Hill	4.89	1.05	23	19	8.87
Clarendon Park	..	..	..	..	..	East Prospect	4.29	0.88	23	14	10.31
Porus	5.88	1.90	21	8	..	Morant Bay	2.25	0.55	9	10	7.22
Borobridge	1.95	0.38	6	10	..	Lloyds	2.53	0.88	18	7	..
Spaldings	2.54	0.45	6	9	4.88	Yallahs	1.49	0.65	7	4	..
Williamsfield	4.74	1.31	17	11	..	Easington	1.41	0.62	23	6	5.38
Brokenhurst	6.33	..	..	..	7.29	Mavis Bank	1.72	0.75	10	6	..
Shooter's Hill	5.25	1.18	17	13	6.74	Bull Bay	1.10	1.10	10	1	3.10
Wat-a-bit	6.59	2.48	15	15	..	Dallas Castle	2.60	1.80	10	8	..
Christiana	3.06	0.59	10	12	6.35	Gordon Town	2.05	0.50	22	7	9.01
Holmwood	4.11	0.95	17	9	..	Irish Town	5.31	1.20	12	10	8.98
Clifton Hill	6.38	1.20	17	8	5.44	Hope Gardens	4.95	2.30	11	13	5.80
Kendal, Manchester	3.06	0.67	21	11	6.41	Bamboo Pen	2.93	2.12	11	5	..
						Plumb Point L.H.	0.33	0.33	10	1	2.45

STATIONS.	November, 1941.					STATIONS.	November, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
King's House Gar.	2.67	1.36	11	9	4.75	Newport, Man.	5.74	1.56	10	9	6.73
Up-Park Camp	2.10	0.77	25	10		Alligator Pond	3.95	1.48	17	6	3.55
Cavaliers	1.18	0.40	19	8		Myersville	6.54	1.23	10	13	6.59
St. George's College	1.27	0.63	19	5		Goshan	5.64	1.30	10	11	
Upper Kingston	1.04	0.40	10	7	2.52	Munro	7.25	2.32	16	13	
Parade Garden	0.92	0.59	10	3		Windsor, St. Eliz.	8.14	2.11	16	17	
Kingston P.W.O.	0.77	0.66	10	4	2.92	Torrington	7.61	2.85	16	8	6.57
Shortwood College	3.69	1.22	22	5		Santa Cruz	8.37	1.71	17	14	6.09
Constant Spring	3.61	1.12	17	12		Hounslow	6.75	1.96	16	8	
Halfway Tree	2.39	1.24	11	6	4.05	Pedro Plains	2.93	1.20	10	3	3.85
Clifton Pen	1.80	0.85	26	3	4.82	Mountainside	7.39	2.12	11	11	5.88
Twickenham Park	1.05	0.35	17	5		Fort Charles	0.99	0.56	24	2	
Red Hills	5.04	1.24	9	6		Black River	2.54	0.54	19	11	4.36
Quarantine Station	1.32	1.00	11	3	2.56	Mt. Charles	7.47	1.70	10	13	
Hematine	0.98	0.75	10	3	3.67	Font Hill					4.82
Spanish Town	1.79	1.41	10	5	3.80	Mount Edgecombe	4.21	1.40	12	10	4.92
Hog Hole, St. Cath.	2.02	0.47	18	8	4.60	Sav.-la-Mar	5.11	0.96	8	11	3.67
Old Harbour	2.85	0.65	17	8	4.67	Little London	4.13	1.02	27	9	3.98
May Pen	4.25	1.00	21	9	4.60	Retreat	3.55	1.03	18	13	4.60
Glen Muir	3.80	1.40	16	6		Negril Point L.H.	3.76	1.55	27	8	3.83
Cottage	2.73	0.85	6	5							
Belle Plain	6.04	2.57	16	7							
Milk River	3.66	1.36	10	6	5.12						
Retrieve	5.57	1.80	6	8	5.22						
Stone's Hope	5.04	1.56	16	10	5.58						

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	November.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern	10.50	15.52	14	16
Northern	8.05	6.42	11	11
West-central	6.66	6.21	11	11
Southern	3.53	5.01	8	9
The Island means	7.19	8.29	11	12

SHOCKS OF EARTHQUAKE IN NOVEMBER, 1941.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
25th	1.40 a.m.	1	Cousins Cove
24th	5.00 p.m.	1	} Maggoty
25th	1.40 a.m.	1	
28th	7.10 p.m.	1	
25th	1.40 a.m.	1	Kempshot
25th	1.40 a.m.	1	Mount Charles
25th	1.40 a.m.	1	Ipswich
25th	1.40 a.m.	1	New Port
25th	1.40 a.m.	1	Liguanea

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

## THE ISLAND—NOVEMBER.

The mean rainfall for the Island was below normal. There was an excess in the Northern and West-central Divisions, but in the North-eastern and Southern Divisions there was considerably deficiency.

The greatest total fall for the month was 29.93 inches at Moore Town in the North-eastern Division and the heaviest fall in 24 hours was 8.90 inches, at the same station on the 18th.

The rainfall, though deficient was well distributed, the heaviest precipitation being in the latter half of the month. The mean number of rain days was 11, the average for the month being 12. Averham Park in the North-eastern Division had the greatest number—27.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 17.40 inches, was highest; St. Mary with 13.30 inches, next; and St. James with 9.65 inches, was third. Kingston with 0.87 inch was lowest. All the parishes were below normal, except St. James, Hanover, Westmoreland and St. Elizabeth.

Parish.	1941. Inches.	10-year Average. Inches.	Parish.	1941. Inches.	10-year Average. Inches.
Kingston	0.87	3.10	St. James	9.65	7.31
St. Andrew	4.30	11.56	Hanover	7.62	6.60
St. Thomas	4.80	9.68	Westmoreland	5.53	5.32
Portland	17.40	26.04	St. Elizabeth	6.29	5.68
St. Mary	13.30	14.21	Manchester	4.97	6.11
St. Ann	7.85	10.07	Clarendon	3.54	5.26
Trelawny	6.05	7.73	St. Catherine	4.28	7.58

## CITY OF KINGSTON.

The total rainfall for the month of November was 0.77 of an inch, the normal being 2.92 inches, representing about one-quarter of the normal. The greatest fall in 24 hours was 0.66 inch on the 10th. There were four rain days. The upper boundary of Kingston gauged 1.04 inch with seven rain days.

The several directions in which distant rain was observed are as follows:—To north 5, to north-east 4, to east and west once and to north-west twice.

Distant lightning was seen to the north-east 4 times and to east once.

Distant thunderstorm to north twice, to north-east, west and north-west once each.

Local thunderstorm on 10th at 3.05 p.m.

The mean barometric pressure was 29.883 inches, the 33-year normal being 29.892 inches, or 0.009 inch below the normal. Highest barometer reading 29.954 inches, on the 3rd, at 3 p.m., and the lowest 29.803 inches, on the 21st, at 7 a.m. corrected for diurnal variation.

Mean temperature for the month 80.3°, based upon four observations per day, the 33-year normal being 78.3°, or 2.0° above the normal. The highest maximum was 93.5° on the 24th and 25th, and the lowest minimum was 70.6° on the 23rd.; therefore, the extreme monthly range was 22.9°. On the other hand, the lowest maximum was 87.4° on the 12th, and the highest minimum 74.9° on the 25th. The greatest range was 21.4° on the 23rd, and the least range 14.7° on the 27th. The maximum temperature was 90° and above 14 times and the minimum 70° or above throughout.

The mean daily miles of wind registered was 155, the 25-year normal being 141, or 10% above the normal. The November normal for 33-years shows the least of the 12 months. The greatest number of miles of wind recorded in 24 hours was 252 on the 8th, and the least was 104 on the 18th. South-easterly wind continued late on five occasions.

The mean relative humidity was 77%, and the 33-year normal 82%. This low relative humidity is no doubt accounted for by the prolonged high maximum-temperature (about 3° above) and excess of wind mean, and low rainfall. The mean 7 a.m. was 84%, and the mean 3 p.m., 64%. Lowest 7 a.m. 73%, on the 28th, and lowest 3 p.m. 49%, on the 24th.

Overcast conditions prevailed in the forenoon on 7 days and in the afternoon on 18 days.

Total evaporation for the month 6.97 inches, and the 10-year normal 3.55 inches, or about twice the normal.

Rainfall very deficient.

Mean daily number of sunshine hours 8.4.

## WEATHER DISTURBANCES.

There were no threatening Tropical Disturbances reported in November.

J. F. BRENNAN,  
Govt. Meteorologist.

Kingston,  
December 20th, 1941.

RECEIVED  
MAY 23 1942  
WEATHER BUREAU



JAMAICA  
**WEATHER REPORT.**  
FOR THE MONTH OF  
DECEMBER, 1941.

The barometric 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 two standards only. Thermometers are exposed in Stevensons Screen; 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 four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) 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. (F.)					Extreme Temperature. (F.)				
		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	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Kingston	24	29.967	29.933	80.4	82.9	84.9	76.8	8.1	86.9	8	72.5	29	14.4
Negril Point Light House	33	29.936	29.883	71.8	86.1	89.0	71.2	17.8	92.4	12	68.6	21	23.8
Montego Bay†	33	29.929	29.887	73.1	85.0	87.1	69.9	17.2	88.6	21*	66.8	22	21.8
Castleton Gardens*	496	..	..	71.9	86.9	89.4	69.0	20.4	91.0	2	65.9	30	25.1
Hope Gardens *	668	..	..	67.2	77.2	81.5	67.5	14.0	84.0	5*	60.0	19	24.0
Hill Gardens, Blue Mountains*	4,900	29.959	29.876	73.1	84.3	88.6	68.8	19.8	92.0	19	67.0	21*	25.0
		25.251	25.217	60.4	66.3	70.4	58.0	12.4	74.0	10*	55.0	31	19.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.			Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.						
		7 a.m.		3 p.m.			7 a.m.	3 p.m.	7 a.m.		3 p.m.		7 a.m.		3 p.m.		
Morant Point Light House	8	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Kingston	24	74	83	75	77	7.03	311	E	17.0	E	13.0	2.7	3.4	0.7	2.7	3.6	0.3
Negril Point Light House	33	66	84	71	62	0.64	164	N	5.0	SE	15.6	0.9	0.4	0.7	2.3	2.9	0.3
Montego Bay	33	66	85	73	67	1.95	113	ENE	3.6	SSE	7.6	1.0	0.3	1.3	1.5	3.3	1.3
Castleton Gardens	496	69	91	78	76	0.77	..	E	..	NE	..	..	..	..	..	..	..
Hope Gardens	668	65	95	70	80	1.35	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	64	74	72	67	2.73	..	..	..	..	..	..	..	..	..	..	..
		55	85	62	85	4.10	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.

\* Hope Gardens—observations made at 9 a.m. and 3 p.m.

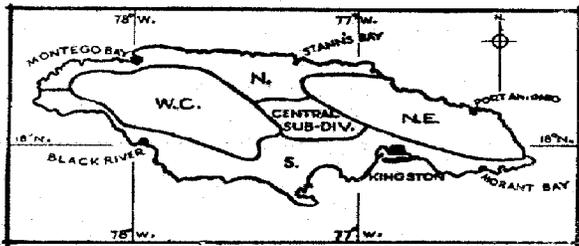
† Montego Bay—observations made at 8 a.m. and 3 p.m.

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 columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". 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 columns 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 shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



December, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Hardware Gap	1.14	0.55	2	4	6.29
Rose Hill	3.47	1.00	3	10	5.06
Mount Cressy	2.03	0.80	2		
Hermitage	3.01	0.67	1	10	
Mount Airy	1.48	0.49	2	6	
Stony Hill Ind. Sch.	1.68	0.55	1	8	3.81
Golden Spring	1.38	0.82	3	4	
Brandon Hill					
Enfield	1.18	1.15	21	5	
Agualta Vale	2.64	1.07	22	10	9.48
Castleton Gardens	1.35	0.85	26	3	12.78
Water Valley	1.16	0.53	20	5	9.46
Albany	2.58	0.87	23	7	9.41
Platfield	1.37	0.41	3	9	
Lawrence Tavern	1.22	0.35	11	5	4.36
Wey Hill	1.41	0.42	3	9	
Richmond, St. Mary	1.05	0.47	3	5	9.83
Quebec, St. Mary	3.04	0.61	2	10	9.47
Above Rocks	2.14	1.00	1	4	
Glengoffe	1.66	0.70	1	3	
Carew Castle	2.29	1.20	1	6	4.70
Hampstead, St. Mary	2.95	1.50	23	6	11.86
Windsor Castle do.	1.74	0.61	21	4	
Troja	0.58	0.58	3	1	
Pear Tree Grove	1.23	0.67	3	3	
Guy's Hill	1.85	0.65	26	5	7.42
Lucky Hill	2.60	1.42	22	8	10.23
Rio Hoe	2.43	0.40	23	11	8.45
Unity Valley	2.56	0.67	23	12	7.25
Moneague	2.04	0.50	23	12	7.25
Claremont	1.72	0.61	22	8	7.78
Averham Park	1.65	0.55	23	14	10.25
Albion	2.25	0.68	23	7	7.86
<b>NORTHERN DIVISION (N)</b>					
Port Maria	4.05	1.05	2	10	7.05
Wentworth	1.28	0.60	11	4	
Jacks River	3.80	0.55	5	10	
Oracabessa	4.86	0.86	9	0	
Retreat	1.78	0.81	2	3	
Huddersfield	3.72	1.20	3	8	
Exchange					
Ocho Rios	1.62	0.47	1	5	6.62
Rockfield	1.26	0.28	18	13	9.39
Liberty Hill	0.77	0.30	2	5	7.86
St. Ann's Bay	3.62	1.10	22	10	7.25
Richmond Estate	2.59	0.95	1	11	7.92
Runaway Bay	2.17	1.66	1	4	3.39
Thatchfield	3.12			5	
Knapdale	1.60	0.69	1	7	
Alexandria	0.35	0.35	11	1	2.67
Bel-Air	2.15	0.65	1	10	
Brown's Town	1.64	0.84	1	11	8.42
Wilton	1.48	0.58	1	8	
Watt Town, St. Ann					2.06
Home Castle	2.75	1.70	1	4	7.53
Stewart Town	0.74	0.42	8	3	
Arcadia	0.73	0.45	1	4	6.65
Vale Royal	1.07	0.53	1	8	7.38
Harmony Hall					5.85
Duncans	0.48	0.48	8	1	
Clark's Town	0.44	0.30	1	2	
Gibraltar	0.68	0.25	28	4	
Falmouth	0.32	0.22	12	2	4.53

December, 1941.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
<b>NORTH-EASTERN DIVISION (N.E.)</b>	Ins.	Ins.			Ins.
Manchioneal	9.64	2.47	2	13	7.25
Ecclesdown	14.80	3.03	4	21	
Priestman's River	4.03	1.75	2	9	5.59
Bath	12.83	3.36	2	18	8.68
Barrett's Gap	16.72	3.77	2	19	
Millbank	24.55	8.27	9	21	
Bowden Pen	22.46	6.00	9	22	
Moore Town	23.63	5.00	9	18	23.75
Port Antonio	16.22	4.90	2	12	12.43
Passley Garden	22.43	5.53	2	21	
Mt. Pleasant	10.00	3.00	2	12	
Fellowship	26.52	8.28	9	15	18.25
Johnson River Br	10.61	6.00	3	18	4.73
Trinity Ville	11.32	6.85	3	9	
Fruitful Vale	11.40	3.83	2	12	
Hope Bay	11.77	4.00	3	15	
Cedar Valley	9.54	4.50	3	10	4.29
Swift River	6.92	1.50	22	13	
Lennox	10.67	2.69	2	16	
Greenvale	5.57	2.42	22	6	22.57
Darley	12.97	3.86	2	13	
Spring Garden					8.06
Hill Gardens	4.10	1.80	3	11	9.68
Buff Bay	5.35	1.91	3	8	11.80
Buff Bay R. Est.	5.05	1.49	3	14	
Belvedere, Portland	3.89	1.31	2	5	13.85
Windsor Castle, do.	4.80	2.30	3	4	11.68
Balcarres	4.31	0.97	2	12	
Mt. Holstein	2.14	0.72	2	9	19.56
Cedar Hurst	1.68	0.54	2	6	

STATIONS.	December, 1941.					STATIONS.	December, 1941.				
	Total Fall.	Greatest fall in 2 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.		
<b>NORTHERN DIVISION,</b> <i>contd.</i>	Ins.	Ins.			Ins.	<b>WEST-CENTRAL</b> <b>DIVISION, contd.</b>	Ins.	Ins.			Ins.
Maroon Town	1.90	1.19	8	4		Wait-a-bit	1.75	0.47	31	10	
Adelphi	0.52	0.47	6	2		Christiana	1.37	0.48	1	7	2.93
Windsor Lodge	3.08	2.00	16	5		Holmwood	0.96	0.35	31	7	
Latium	5.57	1.40	4	13		Clifton Hill	7.63	2.15	6	8	1.57
Barrett Hall						Kendal, Manchester	2.70	0.92	28	9	2.50
Success					3.95	Mereworth	7.07	1.89	1	16	
Rose Hall					4.64	Mandeville	6.41	1.80	6	9	2.95
Cinnamon Hill					4.66	Ulster Spring	0.61	0.38	9	4	4.08
Tryall					3.28	Greenvale	1.01	0.43	6	4	
Running Gut					4.73	Albert Town	1.25	0.80	9	2	3.71
Spring Estate					4.51	Craig Head	2.55	1.40	6	3	
Friendship	1.52	0.54	2	7	2.88	Warsop	1.28	0.50	6	6	
Irwin	1.40	0.73	2	6		Troy	1.30	0.90	6	2	3.05
Retirement	1.21	0.94	2	7	2.94	Wallingford	3.94	1.79	1	8	2.26
Rose Mount						Balaclava	3.67	1.60	2	6	2.16
Montego Bay	0.77	0.44	2	4	4.26	Braes River	3.90	1.44	1	8	
Anchovy	1.26	0.32	23	9	2.85	Wakefield	0.36	0.25	8	2	
Hopewell	1.99	1.10	2	4		Aberdeen	2.69	1.03	1	5	
Blue Hole	1.94	1.00	25	4	2.32	Appleton	4.59	1.50	5	5	
Cascade	2.36	0.70	23	6		Accompong					
Lucea	2.10	0.76	2	8	3.37	Maggotty	5.13	2.34	22	6	2.88
Haughton Court	1.38	0.43	2	7	3.17	Lacovia	1.43	0.40	31	8	
Kendal—Hanover	3.92	1.50	13	11		Mulgrave	3.49	1.00	6	8	
Cousins Cove	2.40	0.65	2	17		Holland					
Blenheim	2.14	0.82	2	9		Ipswich	2.97	1.75	6	5	
Green River	4.38	2.84	17	6		Ginger Hill					
Green Island	1.24	0.91	23	4	2.14	Kempshot	1.94	0.54	2	6	5.03
Haughton Hall	0.57	0.15	3	8		Garlands	0.85	0.46	7	4	
<b>CENTRAL SUB-DIVISION.</b>						Mocho, St. James	0.45	0.30	9	2	
Knollis	1.53	0.62	10	5		Catadupa	0.87	0.23	10	6	2.88
Highgate (St. Cath.)	5.44	1.95	2	5		Cambridge	3.31	1.85	8	5	2.26
Rio Magno	0.65	0.60	3	2		New Market					2.01
Riversdale	3.31	0.75	8	7		Springfield					
Headworks, R.C.C.	3.86	1.76	1	11	2.00	Kew Park	2.22	1.45	8	4	2.56
Bog Walk	1.81	0.50	1	5		Seaford Town	1.18	0.45	17	4	
Linstead	1.82	1.03	11	6	3.37	Petersville	4.90	1.13	11	10	
Ewarton	0.43	0.25	2	2		The Bog	5.20	1.84	1	10	2.79
Greenock	1.19	0.52	10	3		Bethel Town Dist.	0.84	0.40	8	5	2.19
Cave Valley	0.87	0.42	9	3	3.05	Copse	2.22	1.02	25	2	
Guanaboa Vale	5.01	1.95	2	5		Burnt Ground	1.14	0.41	10	6	2.99
Point Hill	3.94	2.78	1	4	4.43	Haughton Grove	1.40	0.85	13	3	
Brown's Hall	0.00			0	3.31	Knockalva					
Bellas Gate	1.06	0.35	1	6	0.98	Darliston	1.69	0.85	15	5	2.96
Rock River	0.00			0		Bluefields	4.26	1.16	20	8	2.67
Crofts Hill	0.87	0.43	26	6	2.16	Whithorn	1.06	0.40	6	3	2.49
Kellitss	1.02	0.70	2	2		Water Works Pen	2.68	1.03	22	7	2.21
Suttons	0.31	0.24	2	5		Williamsfield, Wld.	6.00	2.42	9	8	
Colonel's Ridge	0.86	0.28	1	6		Petersfield	2.62	0.50	22	8	
Chapelton	4.97	1.83	7	11	2.32	Baulk	2.32	0.61	7	9	
Crooked River	2.74	1.40	1	8		Askenish	3.35	1.02	13	9	2.33
James Hill	1.59	1.00	3	5		Grange Hill	6.58	1.31	22	10	3.01
Frankfield	1.12	0.45	1	5	2.04	Mount Eagle	6.19	1.32	13	10	
<b>WEST-CENTRAL</b> <b>DIVISION (W.C.)</b>						King's Vale	0.97	0.42	24	4	2.93
Mocho, Clarendon	6.75	2.22	8	15	2.00	<b>SOUTHERN DIVISION,</b> <b>(S.)</b>					
Thompson Town	4.30	1.00	6	11		Morant Point L. H.	7.03	2.56	3	19	5.58
Clarendon Park						Golden Grove	8.82	3.30	3	19	
Porus	8.07	2.45	30	13		Pleasant Hill	6.32	1.87	3	12	4.39
Boro-bridge	0.89	0.40	26	3		East Prospect	7.59	3.62	3	17	4.65
Spaldings	0.93	0.45	26	3	2.13	Morant Bay	7.63	4.37	3	11	3.96
Williamsfield	5.24	1.56	21	9		Lloyds	9.16	4.96	3	12	
Brokenhurst	6.56	1.89	1	14	3.04	Yallahs	5.60	3.50	3	3	
Shooter's Hill	3.10	1.18	1	8	2.16	Easington	7.37	3.75	2	4	2.63
						Mavis Bank	4.01	1.63	2	7	

STATIONS.	December, 1941.					STATIONS.	December, 1941.				
	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.		
<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.	<b>SOUTHERN DIVISION, contd.</b>	Ins.	Ins.			Ins.
Bull Bay	2.73	1.33	4	4	1.07	Cottage	1.75	1.14	2	5	
Dallas Castle	3.24	1.40	2	11		Pennants	6.29	3.00	6	5	
Gordon Town	2.37	1.40	2	4	2.93	Belle Plain	1.25	0.53	11	6	
Irish Town	2.11	0.60	1	5	3.11	Milk River	1.16	0.35	3	4	1.82
Hope Gardens	2.73	1.12	2	12	2.58	Retrieve	2.46	1.13	10	5	1.25
Bamboo Pen	2.11	0.89	2	8		Stone's Hope	4.56	1.34	7	10	2.45
Plumb Point L.H.	1.05	0.80	2	3	1.31	Newport, Man.	3.89	0.97	1	10	3.02
King's House Gar.	1.89	0.75	2	3	1.91	Alligator Pond	2.07	0.27	11	6	1.97
Up-Park Camp	2.32	0.83	1	8		Myersville	2.13	0.91	9	6	
Cavaliers	1.62	0.47	3	8		Goshen	11.02	2.80	1	9	
St. George's College	0.93	0.38	3	7		Munro	3.16	0.83	1	15	
Upper Kingston	1.04	0.38	3	9	0.73	Windsor, St. Eliz.	4.85	2.13	1	12	
Parade Garden	0.77	0.40	2	4		Torrington	2.77	0.98	2	6	2.42
Kingston P.W.O.	0.64	0.38	2	5	1.41	Santa Cruz	10.98	3.24	1	12	2.60
Shortwood College	1.10	0.75	3	2		Hounslow	1.88	1.10	1	4	
Constant Spring	2.97	1.10	1	8		Pedro Plains	1.20	0.53	1	4	1.44
Halfway Tree	1.75	0.75	2	7	1.70	Mountainside	6.16	2.80	1	8	1.29
Clifton Pen	2.31	1.34	7	6	1.10	Fort Charles	3.09	1.35	8	4	
Twickenham Park	1.48	0.72	7	6		Black River	5.15	1.50	6	10	2.22
Red Hills	2.93	0.94	22	7		Mt. Charles	6.05	2.08	6	9	
Quarantine Station	2.15	1.30	8	4	0.79	Font Hill					1.99
Hematine	1.15	0.45	16	5	1.34	Mount Edgcombe	5.24	1.75	6	12	2.36
Spanish Town	2.13	0.50	6	9	1.79	Sav-la-Mar	1.39	0.80	22	5	1.96
Hog Hole, St. Cath.	6.69	1.76	1	11	1.98	Little London	2.44	0.80	17	9	2.17
Old Harbour	2.21	0.90	1	5	2.33	Retreat	2.02	0.77	7		2.21
May Pen	1.80	0.68	1	7	2.00	Negril Point L.H.	1.95	0.87	13	10	1.97
Glen Muir	1.00	0.45	7	3							

## NOTES.

COMPARATIVE TABLE OF RAINFALL  
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	December.			
	Rainfall, inches.		Days on which Rain fell.	
	1941.	Ave.	1941.	Ave.
North-eastern	5.18	10.32	10	14
Northern	1.76	5.03	6	9
West-central	3.20	3.26	7	7
Southern	3.59	2.19	8	6
The Island means	3.43	5.20	8	9

## SHOCKS OF EARTHQUAKE IN DECEMBER, 1941.

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

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

## THE ISLAND—DECEMBER.

The mean rainfall was below normal in all divisions except the Southern in which there was an excess. The deficit was most marked in the North-eastern and Northern Divisions, which had, respectively, about one-half and one-third of their averages.

The greatest total fall for the month was 26.52 inches at Fellowship in the North-eastern division and the heaviest fall in 24 hours was 8.28 inches at the same station on the 9th.

The greatest precipitation appears to have taken place during the first half of the month.

The mean number of rain days was 8, the average for the month being 9. Bowden Pen, in the North-eastern division, had the greatest number—22.

The mean rainfall in each parish is given below compared with the 10-year average. Portland with 11.48 inches, was highest; St. Thomas, with 9.27 next; and St. Elizabeth, with 4.28 inches was third. Trelawny, with 0.86 inch, was lowest.

Parish.	1941	10-year average.	Parish.	1941	10-year average.
	inches	inches.		inches	inches.
Kingston	0.92	0.82	St. James	1.32	2.85
St. Andrew	2.32	3.40	Hanover	2.09	2.55
St. Thomas	9.27	4.31	Westmoreland	3.22	1.90
Portland	11.48	14.43	St. Elizabeth	4.28	1.70
St. Mary	2.42	8.97	Manchester	4.10	1.84
St. Ann	1.87	6.14	Clarendon	1.97	1.54
Trelawny	0.86	3.25	St. Catherine	2.31	2.98

## THE YEAR 1941.

Comparative Table A gives the mean monthly rainfall in each Division, with the respective totals, compared with the 60-year average and shows a deficit of 7.50 inches.

The mean number of rain days is also given, compared with the 35-year average, and shows a deficit of 10.

In the first half of the year the rainfall was 11% above the average and in the second half 25% below the average.

Table B gives the mean monthly rainfall in the 14 parishes, with the respective totals compared with the 10-year average. Portland, with 129.20 inches, had the highest total for the year. St. Mary, with 77.93 inches, was next, and Westmoreland with 77.80 inches was third. Kingston, with 27.83 inches was lowest.

The differences that will be observed between tables A and B, as regards both the total for the year and those for each month, are due to the former being based only on stations with an average, while the latter includes all stations.

## CITY OF KINGSTON, DECEMBER, 1941.

The total rainfall for the month of December, 1941, was 0.64 of an inch, as compared to the 60-year normal of 1.41 inch, or about one-half the normal. There were 6 rain days, the 49-year average being 2. The greatest fall in 24 hours was 0.38 inch on the 2nd. The upper boundary of Kingston gauged 1.04 inch with 9 rain days.

The several directions in which distant rain was observed are as follows:—To northward 3, to northeastward 6, to east 1, to southeast 5, and to northwest 7.

Distant thunderstorm to north on 22nd, to northeast on 16th, to southeast and south on the 3rd and to northwest on the 7th.

Southeasterly rainsquall on the 3rd at 5.20 p.m.

The mean barometric pressure was 29.923 inches, the 33-year normal being 29.941 inches, or 0.018 inch below the normal. Highest barometer reading 29.968 inches on the 16th at 7 a.m., and the lowest 29.857 inches on the 24th at 7 a.m., corrected for diurnal variation.

Mean temperature for the month 79.0°, the 33-year normal being 76.8°, or 2.2° above the normal. The highest maximum was 92.4° on the 12th, and the lowest minimum 68.6° on the 21st. The extreme monthly range was, therefore 23.8°. On the other hand, the lowest maximum was 83.6° on the 3rd, and the highest minimum 73.2° on the 28th. The greatest range was 22.6° on the 21st, and the least range was 11.2° on the 3rd, a day of rain. The minimum temperature was 90° and above on 7 days.

The minimum was 70° and above 25 days.

The mean daily miles of wind, registered was 164, the 25-year normal being 146, or about 12% above the normal. The greatest number of miles of wind recorded in 24 hours was 258, on the 13th and the least was 112 on the 21st. Greatest velocity 30 miles per hour, on the 13th, at 2.45 p.m. Southeasterly wind continued after 7 p.m. on 8 occasions.

Mean relative humidity 76%, the 33-year normal being 80%, or 4% below the normal, owing to excess of mean temperature and greater daily wind. The mean 7 a.m. was 84% and the mean 3 p.m. 62%. Lowest 7 a.m., 75% on the 26th, and lowest 3 p.m., 47% on the 21st.

Overcast conditions prevailed in the forenoon on four occasions, and in the afternoon on fourteen.

Total evaporation for the month of December, 1941, 6.26 inches, and the 10-year normal 5.06 inches. This excess over the normal is no doubt owing to excess of mean temperature of over 2° and to the greater mileage of wind of about 12% excess, and to low relative humidity.

Mean daily number of sunshine hours 8.6.

## KINGSTON FOR THE YEAR 1941.

Total rainfall for the year 1941, as registered at the Public Works Buildings, Port Royal Street, Kingston, was 28.12 inches, the 60-year normal being 31.57 inches, shewing a deficiency of 3.45 inches. The month of February, recorded the greatest fall, with 6.93 inches. This was the highest rainfall recorded in the month of February for the past 70 years. The month of June recorded the least with 0.31 of an inch. The total number of days with appreciable rain, was 67, as against the 49-year average of 79. The greatest number of rain days in one month was 10, in October, and the least 2, in March.

The mean barometric pressure for the year 1941, was 29.918 inches, the 33-year normal being 29.932 inches. Mean temperature for the year was 80.2°, as against the 33-year normal of 78.7°, a difference of 1.5°. The extreme maximum was 90° and above 168 times. The mean amount of cloudiness for the year was 52%, the normal being 53%. The mean relative humidity was 75%, the 33-year average being 79%. Average daily wind 190 miles, normal 185. (See Table C).

## KINGSTON.

*Summary of Extremes for the year 1941.*

Table (D) giving the extreme values of certain observations is appended. March gave the highest barometer reading of 30.086 inches, on the 3rd, and September the lowest, 29.784 inches on the 20th. The greatest number of days in any month in which the maximum temperature rose to 90° and over, was 27. This occurred in August, followed by June and September, with 26 and 25 days, respectively. January, February and March recorded the greatest number of days with temperature below 70°, viz., 23, 20 and 20 days, respectively. The maximum number of miles of wind registered in 24 hours was 528 on 1st March, and the minimum 75, on 1st January. The greatest rate of hourly velocity during short intervals was 42 miles per hour on 13th June. The monthly lowest 7 a.m. relative humidity was 58%, on January 11th and on June 14th. The lowest 3 p.m. was 31% on March 14th. During the year the greatest rainfall in 24 hours was 3.33 inches, on the 11th February.

J. F. BRENNAN,  
Government Meteorologist.

Kingston,  
20th January, 1942.

## CORRIGENDUM.

Weather Report No. 783, April, 1941. Page 1, Morant Point Light House—Rainfall.

Amend 3.71 inches to read 4.71 inches.

TABLE (A)—THE ISLAND RAINFALL 1941 (In inches).

Month.	Divisions.				The Island.		Rain Day.	
	N.E.	N.	W.C.	S.	1941	Average for 60 years.	Means for 1941.	Average for 35 years.
January	6.62	6.45	3.66	3.68	5.10	4.00	9	8
February	8.47	4.79	6.63	5.69	6.40	3.13	7	7
March	4.22	3.22	2.35	1.75	2.89	3.35	5	8
April	6.79	3.84	7.54	3.71	5.47	4.77	7	9
May	15.87	10.51	8.75	5.83	10.24	8.77	13	12
June	3.62	3.20	5.64	1.53	3.50	6.53	8	10
July	5.49	2.69	6.05	3.44	4.42	4.75	10	9
August	3.31	4.07	10.95	4.34	5.67	6.93	11	11
September	7.47	4.01	6.12	3.98	5.40	7.94	11	13
October	7.53	3.85	9.13	6.21	6.68	10.21	12	14
November	10.50	8.05	6.66	3.53	7.19	8.29	11	12
December	5.18	1.76	3.20	3.59	3.43	5.20	8	9
Total 1941	85.07	56.44	76.68	47.28	66.37		112	
Total 60-year Average	99.54	56.68	87.84	51.42		73.87		122

TABLE (B)—MEAN RAIN FALL IN INCHES FOR EACH PARISH FOR THE YEAR 1941.

Parish.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Total.	10-year Average.
Kingston	3.35	7.51	0.46	1.94	0.98	0.45	3.04	4.51	1.17	2.33	0.87	0.92	27.83	30.46
St. Andrew	3.41	9.42	3.01	6.30	5.17	1.88	3.73	5.15	4.53	5.59	4.30	2.32	54.81	68.47
St. Thomas	7.10	5.88	2.42	3.98	10.36	3.44	7.11	3.62	7.71	7.60	4.80	9.27	73.29	79.95
Portland	10.44	10.12	5.35	10.42	23.01	6.29	10.17	2.97	9.43	12.12	17.40	11.48	129.20	136.13
St. Mary	6.22	6.67	6.32	5.62	18.10	3.34	2.40	1.93	6.53	5.08	13.30	2.42	77.93	83.72
St. Ann	5.97	7.14	3.25	2.13	13.04	2.22	1.40	2.36	3.95	4.25	7.85	1.87	55.43	65.76
Trelawny	4.37	4.82	2.97	5.63	10.23	1.58	1.86	6.15	4.74	5.78	6.05	0.86	55.04	61.52
St. James	6.02	4.36	3.25	2.83	7.62	6.81	4.90	9.62	4.90	4.27	9.65	1.32	65.55	64.22
Hanover	6.25	3.39	2.47	4.56	6.89	9.88	8.35	9.41	7.54	8.82	7.62	2.09	77.27	81.25
Westmoreland	2.32	4.48	1.63	8.97	8.95	7.48	8.50	12.28	5.66	10.78	5.53	3.22	77.80	83.75
St. Elizabeth	4.20	5.09	1.55	6.86	7.54	2.38	3.34	9.14	4.09	9.24	6.29	4.28	64.00	65.74
Manchester	4.22	9.19	2.35	7.66	8.64	1.90	3.09	4.40	5.16	5.42	4.97	4.10	61.10	70.82
Clarendon	3.29	7.10	2.14	6.19	8.59	1.79	2.65	5.10	4.56	5.23	3.54	1.97	52.15	59.98
St. Catherine	4.05	7.40	1.52	5.36	8.60	2.45	4.23	5.33	4.55	5.73	4.28	2.31	55.81	64.75
Means	5.09	6.61	2.76	5.46	9.84	3.71	4.03	5.85	5.34	6.59	6.89	3.46	66.23	72.62

(TABLE C).—KINGSTON, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR, 1941.

(FOR ELEVATION, See Foot Notes 1 and 2).

Month.	Barometer Pressure.		TEMPERATURE (FAH.)							Extremes for Month.			Dewpoint and Relative Humidity.		Rainfall (ins.)		Rain 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.	Actual Fall.	60 yrs.	No.	Av. for 49 yrs.	
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	Ins.	Ins.			
January	29.969	29.920	76.6	70.1	83.6	86.2	68.6	7.6	91.0	61.2	29.8	65	68	2.99	0.87	5	4	
February	.935	.893	76.9	83.6	83.6	86.1	69.4	16.7	89.4	64.6	24.8	60	83	6.93	0.61	6	4	
March	.950	.902	77.3	70.8	84.4	86.9	69.1	17.8	90.0	60.1	29.9	64	80	0.55	0.94	2	4	
April	.919	.868	79.8	75.1	85.8	88.7	71.5	17.2	93.4	66.4	27.0	67	77	2.43	1.17	4	5	
May	.889	.850	81.8	78.2	86.9	89.6	74.6	15.0	93.3	69.6	23.7	71	79	1.24	4.02	9	7	
June	.968	.922	83.4	80.5	88.1	91.4	75.6	15.8	94.4	71.9	22.5	70	71	0.31	3.51	4	6	
July	.974	.937	82.2	77.7	87.7	90.5	74.9	15.6	93.6	71.6	22.0	70	77	3.10	1.54	6	5	
August	.945	.904	81.8	77.4	86.2	91.4	74.3	17.1	95.4	71.4	24.0	70	80	5.07	3.60	6	9	
September	.885	.839	81.8	77.0	87.1	90.5	74.6	15.9	94.2	71.7	22.5	69	79	1.45	3.87	6	10	
October	.919	.860	81.2	75.3	87.5	90.7	73.2	17.5	94.0	70.6	23.4	69	83	2.64	7.11	10	12	
November	.901	.841	80.3	74.0	86.7	90.0	72.7	17.3	93.5	70.6	22.9	69	84	0.77	2.92	4	8	
December	29.936	29.883	79.0	71.8	86.1	89.0	71.2	17.8	92.4	68.6	23.8	66	84	0.64	1.41	5	5	
Means	29.933	29.884	80.2	76.0	86.1	89.3	72.5	16.8	92.9	68.2	24.7	68	80					
Totals														28.12	31.57	67	79	

NOTES:—(1) Since the year 1907, the observations have been made as follows:—

At 148½ East Street—(a) Pressure, Barometer 110 ft. above sea-level. (b) Temperature, (Thermometers 107 ft. above sea level and 4 feet above ground). (c) Clouds and their direction.

At Public Works Buildings, Port Royal Street—(d) Rainfall, (Gauge 57.28 ft. above sea-level). (e) Wind—(Anemometer 69.38 ft. above sea-level, wind vane 70.88 ft. above sea-level).

(2) Standard Barometer at Public Works Building—24 ft. above sea-level.

TABLE (C) cond.—KINGSTON, 1941.—MEAN RESULTS.

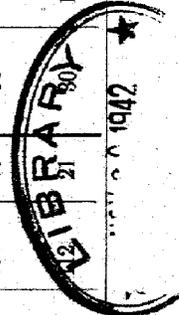
Month.	Wind, Miles per diem.	Wind: from and Miles per hour.			Clouds in Tenths.						Weather Conditions, etc.	
		7 a.m.	3 p.m.	11 p.m.	Lower.		Middle.		Upper.			
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
January	182	NNE 6.8	SE 10.6	NNE 6.4	1.2	2.4	2.2	2.7	0.5	0.5	0.5	Overcast conditions prevailed in the forenoon on 10 occasions and in the afternoon 18.
February	190	NNE 6.6	SE 11.0	NNE 6.8	1.2	3.6	1.2	0.7	0.6	0.9	0.9	Overcast conditions prevailed in the forenoon on 6 occasions and in the afternoon 11.
March	221	N 6.0	SE 14.9	NE 6.1	0.5	1.1	0.9	3.0	1.7	0.0	0.0	Overcast conditions prevailed in the forenoon on 8 occasions and in the afternoon 13.
April	205	NE 5.7	SE 13.4	NE 4.7	1.0	2.0	0.4	3.1	1.3	0.6	0.6	Overcast conditions prevailed in the forenoon on 7 occasions and in the afternoon 16.
May	208	NNE 4.7	SE 16.6	NNE 4.5	2.3	3.0	1.7	1.8	2.7	2.8	2.8	Overcast conditions prevailed in the forenoon on 19 occasions and in the afternoon 23.
June	237	NE 4.7	SE 19.4	E 4.6	0.3	2.7	1.0	2.2	2.1	1.5	1.5	Overcast conditions prevailed in the forenoon on 8 occasions and in the afternoon 17.
July	170	NE 4.4	SE 14.3	NE 3.5	1.4	2.6	0.7	2.1	4.2	3.5	3.5	Overcast conditions prevailed in the forenoon on 17 occasions and in the afternoon 24.
August	170	N 3.7	SE 16.2	N 2.7	0.0	4.2	0.1	2.5	3.2	1.8	1.8	Overcast conditions prevailed in the forenoon on 9 occasions and in the afternoon 25.
September	210	ENE 4.2	SE 15.9	NE 4.9	0.9	3.1	0.5	1.2	3.8	2.9	2.9	Overcast conditions prevailed in the forenoon on 14 occasions and in the afternoon 19.
October	169	NNE 4.9	SE 14.9	N 3.9	0.3	3.2	0.9	2.7	2.1	1.4	1.4	Overcast conditions prevailed in the forenoon on 8 occasions and in the afternoon 20.
November	155	N 4.9	SE 12.4	N 4.9	0.4	2.4	0.9	3.3	1.5	1.0	1.0	Overcast conditions prevailed in the forenoon on 7 occasions and in the afternoon 18.
December	164	N 5.0	SE 15.6	NNE 4.3	0.9	2.3	0.4	2.9	0.7	0.3	0.3	Overcast conditions prevailed in the forenoon on 4 occasions and in the afternoon 14.
Means	180	NNE 5.1	SE 14.6	NE 4.8	0.9	2.7	0.9	2.4	2.0	1.4	1.4	

TABLE (D).—Summary of Extremes of Instrumental Observations for each Month of the year, 1941.

Month.	Barometer.			Temperature (Fah.)		Surface Wind.			Relative Humidity, lowest.			Rainfall, greatest in 24 hours.			
	Highest.	Date.	Lowest.	Date.	Miles in 24 hours.		Greatest Velocity.		7 a.m.	3 p.m.	Amount (Ins.)				
					Greatest.	Least.	Date.	Miles per Hour.					Date.	Date.	
January	30.026	7	29.865	28	1	470	75	11	32	1	58	41	11	1.87	14
February	29.996	20	29.819	9	20	339	92	9	36	4	70	48	28	3.33	11
March	30.086	3	29.855	25	20	528	121	1	36	5	66	31	1	0.53	9
April	30.019	16	29.780	30	8	477	120	1	34	22	61	41	20	1.20	30
May	29.952	28	29.729	1	14	395	98	29	30	14	66	49	30	0.88	10
June	30.002	12	29.890	1*	26	383	107	14	42	12	58	49	13	0.15	29
July	30.028	8	29.910	25	21	327	77	4	30	30	64	51	4	2.16	11
August <sup>o</sup>	29.992	15	29.911	2*	27	248	83	31	36	2	62	51	10	2.00	19
September <sup>o</sup>	29.942	1	29.784	20	25	387	96	9	26	6	64	42	26	0.72	29
October	29.973	18	29.788	16	24	278	101	8	25	14	76	51	16	1.06	17
November	29.954	3	29.803	21	14	252	104	8	36	18	73	49	6	0.66	10
December	29.963	16	29.857	24	7	258	13	13	18	13	75	47	13	0.38	2

The barometer readings are reduced to sea level, also corrected for diurnal variation.

\* And on other days.





YEAR 1941

METEOROLOGICAL RESULTS FOR THE YEAR, 1941

CITY OF KINGSTON

The total rainfall for the year 1941, as registered at the Public Works Buildings, Port Royal Street, Kingston, was 28.12 inches, the 60-year normal being 31.56 inches, shewing a deficiency of 3.44 inches. The month of February recorded the greatest with 6.93 inches, and June the least with only 0.31 of an inch. The total number of days with appreciable rain was 67 as against the 49-year average of 79. The greatest number of rain days in one month was ten in October, and the least was two in March.

Mean barometric pressure for the year 1941 was 29.918 inches and the 33-year normal is 29.932 inches.

Mean temperature for the year was 80.2° as against the 33-year normal of 78.7°; a difference of 1.5°.

The mean amount of cloudiness for the year was 51% as against the normal of 53%.

Mean relative humidity 72%, the 33-year average being 79%.

Average daily wind 140 miles; normal 183.

KINGSTON, SUMMARY OF EXTREMES FOR THE YEAR

March gave the highest barometer reading of 30.086 inches on the 3rd, and September, the lowest, with 29.784 inches on the 20th. The maximum temperature rose to 90° or above on 168 days as follows: January 1, March 1, April 8, May 14, June 26, July 21, August 27, September 26, October 24, November 14 and December 7.

The minimum temperature was below 70° on 78 days as follows: January 23, February 20, March 20, April 8, May 1 and December 6.

The maximum number of miles of wind registered in 24 hours was 528 on March 1st due to a "norther", and the minimum was 75 miles on January 1st. The greatest rate of hourly velocity during short intervals of time was 42 miles per hour on the 13th June.

The monthly lowest 7 a.m. relative humidity was 58% on the 11th and 12th January and also on the 14th and 15th June, and the lowest 3 p.m. was 31% on 14th March.

During the year the greatest rainfall in 24 hours was 3.33 inches on 11th February.

NEGRIL POINT LIGHTHOUSE

The extreme maximum temperature recorded was 92.0° on the 26th September and the extreme minimum was 58° on the 13th January. The greatest range of temperature 28.3° in the month of January and the least range was 19.0° in the month of June.

The greatest monthly rainfall was 6.45 inches in July; the average for 35 years being 5.83 inches, shewing 0.62 inch above the normal, and the least was 1.54 inch in March as against the 35-year average of 2.77 inches. The total number of days with appreciable rain was 132 for the 12 months. October had the greatest monthly rainfall days of 21 followed by August with 17 days. March had only 3 days. The year's total rainfall was 43.52 inches, as against the normal of 54.09 inches.

The daily average wind recorded was 137 miles. The highest daily average was 178 in February, followed by 174 in January. The lowest was 104 miles in August.

The observations were conducted by Mr. Donald Levy, J.P., the Superintendent of the Lighthouse.

MORANT POINT LIGHTHOUSE

The extreme maximum temperature was 91.5° on the 12th of November and the extreme minimum was 65.5° on the 10th of January. The extreme range for the year was therefore 26.0°. The greatest monthly range was 21.3° in November and the least was 13.6° in July. The greatest monthly rainfall was 7.60 inches in October and the least was 0.92 inch in March. There were 146 days with appreciable rain during the year. December had the greatest with 19 days, and April the least with 5. The total rainfall for the year was 44.86 inches, or 21.81 inches below the 60-year average of 66.67 inches. The average fall for each day with rain (146 days) was 0.31 inch. The mean total daily miles of wind was 305. July recorded the greatest with 375 miles, and November the least with 241. The observations were conducted by Mr. C. N. Ruddy, the Superintendent of the Lighthouse.

KINGSTON, JAMAICA.—Mean Meteorological Results for the Year 1941, Latitude 17° 58' North. Longitude 76° 48' West

Month	Mean Pressure		Air Temperatures (Fah.)				Dew Point		Relative Humidity		Amount of Cloud			Rainfall Inches		Weather. No. of days of				Wind. No. of observations																
	7 a.m.	3 p.m.	Mean	Max.	Min.	Date	7 a.m.	3 p.m.	°	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	Total	Max.	Date	Thunderstorm	Rain	Clear Sky	Overcast	Gales	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm				
Jan.	29.958	70.1	83.6	86.6	68.6	91.0	1	61.2	13	85	68	67	82	61	71	3.9	5.6	4.8	2.99	1.87	14	5	6	6	26	5	2	20	5	1	..	3	..			
Feb.	.928	70.4	83.0	86.1	69.4	89.4	19	64.6	2	60	70	65	83	65	74	3.0	5.2	4.1	6.93	3.33	11	6	11	5	23	2	2	19	9	..	..	..	..			
Mar.	.935	70.8	84.4	87.3	69.9	90.0	21	60.1	3	64	69	67	80	59	69	3.1	4.1	3.6	0.55	0.53	9	2	15	6	26	3	..	25	5	1	..	2	..			
April	.901	75.1	85.8	88.7	71.5	93.4	11	66.4	17	67	71	69	77	61	69	2.7	5.7	4.2	2.43	1.20	30	4	10	6	18	7	2	22	5	2	..	4	..			
May	.875	78.2	86.9	89.6	74.6	93.3	31	69.6	2	71	72	71	79	64	71	6.7	7.6	7.2	1.24	0.88	10	9	5	17	18	3	1	28	1	2	1	7	1	..		
June	.952	80.5	88.1	91.4	75.6	94.4	1	71.9	11	70	74	72	71	64	67	3.4	6.4	4.9	0.31	0.15	29	1	4	6	16	6	..	32	..	..	..	6	..	..		
July	.968	77.7	87.7	90.5	74.9	93.6	28	71.6	12	70	73	71	77	62	69	6.3	8.2	7.3	3.10	2.16	11	6	3	16	18	6	2	34	..	..	1	1	..	..		
Aug.	.937	77.4	86.2	89.4	74.3	95.4	10	71.4	20	70*	74	72	80	69	74	3.3	5.5	5.9	5.07	2.00	19	2	6	3	24	5	3	26	..	..	1	3	..	..		
Sept.	.874	77.0	87.1	90.5	74.6	94.2	3	71.7	10	69	74	71	79	66	72	5.2	7.2	6.2	1.45	0.72	29	6	4	9	13	9	1	33	1	..	..	1	2	..		
Oct.	.902	75.3	87.5	90.7	73.2	94.0	6	70.6	23	69	74	71	83	65	74	3.3	7.3	5.3	2.64	1.06	17	1	10	4	20	6	..	28	4	..	..	3	..	..		
Nov.	.853	74.0	86.7	90.0	72.7	93.5	24	70.6	23	69	72	70	84	64	74	2.8	6.7	4.7	0.77	0.66	10	1	4	7	31	1	..	20	5	..	..	1	2	..	..	
Dec.	.923	71.8	86.1	89.0	71.2	92.4	12	68.6	21	66	71	68	84	62	73	2.0	5.5	3.7	0.64	0.36	2	5	11	2	22	6	..	28	1	2	..	3	..	..		
Means	29.918	74.9	86.1	89.3	72.5	92.9	..	68.2	..	68	72	70	80	64	72	3.8	6.5	5.1	28.12	..	..	5	67	85	92	255	59	13	315	36	8	3	85	3	..	
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

\* And on other days.



NEGRIL POINT LIGHT HOUSE, JAMAICA.—Mean Meteorological Results for the year 1941. Latitude 18° 15' North. Longitude 78° 23' West

Month	Air Temperatures (Fah.)										Dew Point		Relative Humidity		Amount of Cloud			Rainfall Inches		Weather. No. of days of				Wind. No. of observations											
	7 a.m.	8 p.m.	Mean	Means of		Absolute Max. and Min.		7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	Total	Max.	Date	Thunderstorm	Rain	Clear sky	Overcast	Gales	N. NE.	E. SE.	S. SW.	W. NW	Chb						
				Max.	Min.	Date	Date																												
Jan. 29 963	71.7	81.0	76.0	83.9	69.2	86.3	7 58.0	13	°	66	63	64	82	54	68	3.5	5.1	4.3	2 32	0.75	5	9	14	..	..	13	3	11	7	7	6	7	1		
Feb. 923	71.4	81.5	75.9	83.1	69.7	87.3	19 59.3	13	°	66	71	68	85	69	77	3.4	4.6	4.0	2.09	0.85	11	6	4	4	..	13	8	10	11	4	2	..	7	1	
Mar. 938	72.2	81.7	76.4	83.8	69.9	87.0	18 63.0	3	°	66	68	67	80	64	72	3.7	4.7	4.2	1.54	1.26	9	3	4	3	..	16	8	5	20	5	1	1	5	1	
April 898	76.4	84.9	79.7	87.0	72.5	91.0	11 69.3	23	°	69	71	70	80	63	71	2.6	4.6	3.6	2.75	1.45	20	9	4	5	..	9	7	8	22	8	1	2	3	..	
May 876	78.0	82.9	79.9	86.5	74.2	88.5	22 69.2	4	°	72	74	73	82	74	78	6.1	8.3	7.2	6.41	1.51	23	13	2	18	..	10	8	13	14	5	..	6	6	6	
June 956	79.3	84.9	80.2	88.6	73.8	90.7	20 71.7	15	°	72	76	74	79	73	76	4.6	8.1	6.3	2.30	0.43	20	2	12	1	9	..	4	8	12	19	4	3	1	4	5
July 965	78.2	86.3	80.0	88.8	73.7	91.3	7 70.3	22	°	71	74	72	79	72	75	4.5	9.0	6.7	6.45	1.85	25	11	15	..	13	1	5	14	24	6	2	2	5	..	
Aug. 938	78.0	85.0	80.9	89.0	73.4	90.9	25 69.3	11	°	72	75	73	83	72	77	2.9	8.4	5.6	5.36	1.15	25	4	17	..	13	..	8	7	18	12	7	4	..	5	3
Sept. 868	77.7	86.2	80.2	89.0	73.9	92.0	20 69.1	13	°	73	75	74	85	70	77	3.1	9.9	8.0	3.44	1.31	4	1	9	..	18	..	8	7	7	28	5	1	..	2	..
Oct. 902	76.9	84.9	80.3	88.8	72.6	91.3	8 69.5	29	°	71	74	72	83	70	76	6.1	8.4	7.2	5.15	2.05	19	11	21	..	18	..	8	12	14	9	4	4	2	5	..
Nov. 884	75.3	85.7	79.7	87.6	72.2	89.8	24 67.2	21	°	71	74	72	87	67	77	5.0	6.5	5.7	3.76	1.55	27	3	8	3	6	..	20	11	7	12	3	3	1	1	..
Dec. 29 922	73.1	85.0	78.8	87.1	69.9	88.6	21 66.8	22	°	68	73	71	85	67	76	2.6	6.1	4.3	1.95	0.87	13	..	10	1	6	..	6	20	9	8	6	5	..	4	4
Means 29 919	75.7	84.1	79.0	86.9	72.1	89.6	.. 66.9	..	°	70	72	71	83	68	75	4.3	6.9	5.6	..	..	..	32	132	33	113	..	116	104	128	166	64	32	16	54	21
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	43.52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

\* And on other days.