LIBRARY
N.O.A.A.
U.S. Dept. of Commerce

LIBRARY
MAR 24 1921
Weather Bureau

QC
987
.J25
W34
1921

No. 515.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JANUARY, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	30.020	29.984	78.9	80.3	81.8	75.2	6.6	84.0	1	72.0	16*	12.0
Kingston ..	24	29.993	29.943	69.7	83.4	85.9	69.5	16.4	89.4	29	66.4	25	23.0
Negril Pt. Light House	33	30.004	29.962	71.9	81.6	84.8	69.1	15.7	89.5	4	64.5	26	25.0
Castleton Gardens ..	496	..	..	66.7	78.7	81.2	65.9	15.3	87	1*	59	29	28
Hope Gardens† ..	668	30.025	29.932	68.6	84.6	87.5	64.1	23.4	92	2*	62	22*	30
Stony Hill Indus. School	1,400	..	..	65.7	73.5	84.0	68.8	15.2	87	13*	67	12*	20
Kempshot ..	1,773	30.016	29.978	67.0	70.2	73.2	65.0	8.2	78.5	6	59.6	31	18.9
Hill Gardens ..	4,900	25.312	25.280	62.6	64.4	67.3	53.9	13.4	71	15	50	21*	21

Stations.	Elevation	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	70.4	78	70.0	71	5.06	.	N	19	NE	18	2.3	1.7	0.8	3.1	1.3	1.0
Kingston	24	65.9	84	72.7	63	1.40	163	N	6.4	SE	12.6	3.0	1.2	0.8	3.1	1.5	1.2
Negril Point Light House‡	33	66.5	82	69.4	66	4.58	234	NE	9.8	NNE	11.5	4.5	1.5	0.7	1.3	5.4	1.2
Castleton Gdns	496	64.9	93	70.9	76	34.47	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63.3	81	67.6	57	4.19	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	61.4	86	68.7	85	7.13	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	65.4	96	67.0	91	10.71	191	ENE	7.7	NE	5.8	4.6	0.7	1.3	5.8	1.8	0.3
Hill Gardens	4,900	58.3	83	60.8	90	26.48	..	..		..	..	..			..	..	..

*and on other days. †Hope Gardens. Bar read at 9 a.m and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. N.E. 10.2

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

ERRATA NOTICE

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

Discolored pages
Faded or light ink
Binding intrudes into the text

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

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

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1909." In obtaining the mean Rainfall for the month only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

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

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

North-Eastern Division.	January, 1921.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In			In.
Manchioneal ..	12.35	3.75	18	20	6.00
Bath ..	19.12	4.58	19	22	6.13
Priestman's River	16.70	4.00	19	12	..
Moore Town ..	..	..	..	..	..
Port Antonio ..	24.95	6.18	20	25	8.78
Fellowship ..	29.64	4.28	20	27	13.08
Johnson River Bridge ..	9.00	2.00	19	21	3.31
Mt. Pleasant ..	27.28	4.93	15	22	..
Cedar Valley, St. Thos. ..	7.00	1.85	20	10	4.26
Hill Gardens ..	26.48	4.50	20	12	6.98
Spring Garden ..	26.41	6.01	22	24	..
Buff Bay ..	24.77	6.72	19	25	9.22
Greenvale ..	58.78	11.45	20	20	18.99
Belvedere, Portland	33.80	6.90	20	25	..
Mt. Holstein ..	61.27	15.67	18	20	14.07
Rose Hill ..	16.73	4.65	20	10	3.06
Hardware Gap ..	7.50	..	..	..	5.78
Stony Hill Ind. Sch.	7.13	2.34	20	14	3.05
Castleton Gardens	34.47	9.58	31	16	9.08
Lawrence Tavern	17.65	5.50	20	8	2.26
Zion Hill ..	15.51	5.40	20	11	..
Agualta Vale ..	23.13	4.74	19	20	7.30
Water Valley ..	25.97	5.85	19	20	8.11
Platfield ..	24.79	6.71	20	14	..
Richmond, St. Mary	28.93	7.20	21	18	6.88
Hampstead, St. Mary	31.84	5.06	21	22	10.56
Guy's Hill ..	26.38	7.04	21	10	..
Lucky Hill ..	18.59	3.40	19	20	7.76
Rio Hoe ..	18.09	4.60	18	13	5.75
Unity Valley ..	22.43	7.53	21	21	4.95
Moneague ..	22.23	4.45	19	24	4.62
Claremont ..	23.31	5.00	19	13	5.93
Albion, St. Ann ..	21.90	4.14	18	20	5.27
Averham Park ..	25.30	5.00	18	20	7.08

Northern Division.	January, 1921.				
	Total fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ..	11.75	2.05	15	22	6.16
Ocho Rios ..	14.53	2.20	15	17	4.69
Bogue, Ocho Rios	16.57	4.00	18	20	5.66
Rockfield	28.39	10.75	18	21	..
Liberty Hill ..	15.46	4.60	25	16	7.27
St. Ann's Bay ..	11.00	4.12	17	17	4.97
Seville ..	11.41	3.10	27	13	5.86
Richmond Estate	..	..	..	..	..
Llandovery ..	9.84	3.88	27	13	6.17
Runaway Bay ..	6.72	1.88	15	14	..
Brown's Town ..	23.22	4.28	19	13	5.82
Alexandria ..	12.63	3.00	18	12	..
Watt Town, St. Ann	12.33	4.22	18	12	..
Richmond Pen ..	17.33	3.20	18	12	3.36
Bryan Castle ..	8.85	2.00	5	13	4.94
Braco ..	7.60	2.85	5	14	4.38
Harmony Hall ..	8.51	2.86	5	15	4.20
Georgia ..	..	..	..	..	..
Falmouth ..	3.47	1.05	5	16	3.67
Good Hope ..	10.75	2.50	18	13	..
Canaan ..	9.78	2.85	18	8	3.45
Guilsbro ..	..	..	..	..	..
Success ..	..	..	..	..	..
Cinnamon Hill ..	..	..	..	..	..
Rose Hall ..	..	..	..	..	..
Tryall ..	..	..	..	..	..
Running Gut ..	..	..	..	..	..
Spring Estate ..	6.93	1.70	5	11	4.33
Montego Bay ..	11.36	3.47	21	15	2.93
Friendship ..	14.29	3.27	21	12	..
Retirement ..	12.03	2.52	31	14	..
King Gate ..	11.38	2.30	31	10	3.12
Blue Hole ..	11.08	3.87	20	6	..
Kew ..	8.71	2.78	15	9	2.10
Haughton Court ..	9.50	2.60	15	8	2.52
Lucea ..	10.36	2.94	15	11	3.19
Green Island ..	4.62	1.16	31	9	..
Central Sub-Division					
Rio Magno ..	26.03	8.50	21	11	..
Headworks, Rio Cobre ..	2.06	0.42	9	10	1.78
Linstead ..	13.13	4.10	20	10	2.14
Berkshire Hall ..	20.16	6.70	21	17	2.99
Point Hill ..	7.26	2.50	21	10	3.39
Bellas Gate ..	2.65	1.00	18	4	..
Croft Hill ..	6.50	2.45	20	8	1.94
Chapelton ..	4.72	2.09	20	14	2.14
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	2.58	0.60	31	8	..

West-Central Division.	January, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	..	..	..	..	..
Spaldings ..	4.20	1.08	31	16	..
Brokenhurst ..	2.13	0.40	31	12	3.24
Christiana ..	6.06	1.52	18	19	2.36
Chudleigh ..	5.63	1.45	26	13	2.36
Shooter's Hill ..	3.64	1.63	26	9	2.14
Kendal, Manchester	4.35	2.45	26	10	2.36
Clifton Hill ..	2.77	1.86	26	10	..
Marshalls Pen ..	2.63	0.70	24	8	3.05
Mandeville ..	2.24	0.35	31	16	3.28
Carlton, Mandeville	2.18	0.48	31	15	3.28
Retford ..	3.27	0.75	24	17	..
Somerset ..	2.40	1.20	27	8	..
..	..	..	..	..	..
Ulster Spring ..	14.01	2.60	16	12	3.38
Freeman's Hall ..	10.46	2.78	14	13	..
Albert Town ..	10.85	2.25	16	13	3.00
Lowe River ..	16.90	3.10	15	14	3.31
Troy ..	No Record kept				
Windsor Pen, Trel.	..	..	..	..	..
Balaclava Police Station ..	3.40	0.95	26	12	1.94
..					
Wallingford ..	2.85	0.62	25	13	1.94
Magotty ..	4.41	1.45	28	5	2.93
..					
Springfield, St. Elizabeth ..	3.04	1.92	31	10	..
Chesterfield, St. James ..	..	..	..	..	..
Kempshot ..	10.71	2.45	31	15	3.78
Cambridge, St. James ..	5.47	1.35	13	11	..
Ducketts ..	..	..	..	..	..
New Market, Police St. ..	4.32	1.72	31	8	..
The Bog, New Market ..	4.68	2.09	31	10	..
Kew Park ..	..	..	..	..	..
Montpelier ..	8.50	3.15	15	13	..
Ramble ..	6.57	2.77	15	9	..
Burnt Ground ..	No record kept				
Knockalva ..	6.64	2.96	15	12	..
Petersville ..	2.96	0.96	15	7	2.53
Darliston ..	6.16	2.45	31	12	2.99
Bluefields ..	2.00	2.00	31	1	2.87
Whithorn ..	6.91	2.40	31	7	2.34
Water Works Pen	7.43	3.10	5	10	..
Askenish ..	10.65	3.93	31	10	..
Grange Hill ..	5.28	1.28	15	11	2.34
King's Vale Police St. ..	7.48	2.55	31	12	3.18

Southern Division.	January, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	5.06	0.90	30	16	4.38
Pleasant Hill ..	10.57	2.45	30	17	..
East Prospect ..	9.77	1.91	18	20	3.93
Morant Bay ..	6.15	1.[illegible]2	19	18	2.93
Easington ..	2.88	0.60	20	12	1.76
Bull Bay ..	0.05	0.05	19	1	0.98
Bellevue ..	6.71	2.16	20	17	..
Gordon Town ..	5.85	1.40	20	7	3.70
Irish Town ..	5.30	..	..	..	2.34
Hope Gardens ..	4.19	..	..	..	1.84
King's House Gar.	4.35	..	..	..	1.39
Melrose ..	3.11	0.97	18	4	..
Half-way Tree ..	2.49	0.85	18	7	1.07
Lunatic Asylum	1.2[illegible]	0.50	13	10	0.78
S. Camp Road ..	1.69	0.51	6	12	1.06
Kingston P.W.O.	1.40	0.65	6	11	0.96
Plumb Point L.H.	0.56	0.40	21	4	0.84
Clifton Pen ..	1.71	0.45	5	7	0.89
Quarantine Station	0.80	0.45	6	2	1.02
Spanish Town ..	..	..	..	..	..
Hog Hole, St. Catherine ..	2.73	1.50	10	8	1.72
Hartlands ..	1.24	0.74	8	4	1.68
Belmont, Guanaboa Vale ..	..	..	..	..	..
Old Harbour ..	..	..	..	..	..
May Pen ..	1.51	0.45	27	7	1.47
Maysville ..	..	..	..	..	..
Dry River, Vere ..	0.91	0.32	8	8	2.11
Toll Gate ..	0.95	0.36	26	5	..
New Yarmouth ..	2.22	0.83	11	5	1.53
Milk River ..	1.90	0.53	30	6	2.04
Retrieve ..	1.87	0.52	8	5	..
Hog Hole, S. Man.	2.56	0.56	31	7	..
Stone's Hope ..	2.44	0.61	11	10	2.63
Newport, Manchester ..	3.29	0.90	31	17	2.75
Great Valley, Man.	1.98	0.40	8	11	2.30
Alligator Pond ..	1.26	0.36	19	7	1.64
Fairfield ..	3.13	1.69	27	14	2.64
Southfield, St. Elizabeth ..	1.41	0.39	11	9	..
Lititz ..	1.02	0.17	13	8	..
Torrington ..	4.3[illegible]	2.23	27	11	2.42
Bethlehem, St. Eliz.	2.79	1.08	27	12	2.57
Santa Cruz ..	3.87	0.84	8	10	2.52
Pedro Plains Police St. ..	0.00	..	..	..	1.96
Mountainside ..	..	..	..	..	..
Black River ..	2.98	1.37	15	8	1.67
Font Hill ..	0.90	0.40	12	6	1.74
Mount Edgecombe	3.03	2.02	25	9	2.05
Sweet River ..	5.44	2.80	31	10	1.90
Windsor Sav-la-Mar	5.31	1.35	15	8	1.86
Orchard ..	5.08	1.43	15	13	..
Sav.-la-Mar ..	4.50	1.06	9	10	1.65
Little London ..	5.85	2.00	9	11	..
Retreat ..	5.57	1.17	8	8	1.66
Negril Point L.H.	4.58	1.41	15	16	1.41

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	JANUARY. 1921.	JANUARY. Average.
	In.	In.
North-Eastern Division ...	23.79	7.74
Northern " ...	10.82	3.83
West-Central " ...	5.85	2.87
Southern ...	3.04	1.94
The Island ..	10.87	4.10

SHOCKS OF EARTHQUAKE IN JANUARY, 1921.

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

The mean rainfall for the whole Island was about two-and a-half times the average.

Most of the precipitation appears to have occurred during the period from the 15th to 21st. But the West-central division had the heaviest falls on the 31st. These heavy rains were recorded at the time when severe "Northers" were experienced along the northern section of the Island. Some damage to cultivation and the drifting of small craft from their moorings, along the northern shores were reported. The rivers, particularly on the northside, were in heavy flood. The Spanish River Railway bridge suffered extensive injury which occasioned the suspension of traffic for a month.

The greatest fall for the month was reported from Mount Holstein in the parish of Portland, where 61.27 ins. was recorded.

In 24 hours, the greatest fall : 15.67 ins. occurred, also at Mount Holstein, on the 18th.

No rain fell at Pedro Plains Police Station.

J. F. BRENNAN,

Govt. Meteorologist.

Kingston, 24th February, 1921.

Negril Point Light House.—Mean Meteorological results for the year 1920. Elevation, 33 feet.

Month.	Barometer Pressure.		Temperatures.						Extremes for the Month.			Dewpoint and humidity.				Rain-fall.	Miles of Wind per diem.
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range	7 a.m.		3 p.m.			
	in.	in.	°	°	°	°	°	°	°	°	°	°	%	°	%	ins.	
January ..	30.016	29.965	76.7	71.9	82.5	85.8	68.5	17.3	90 3	63.0	27.3	64.3	77	67.4	61	1.30	255
February ..	29.955	29.913	75.6	70.6	81.8	83.6	68.3	15.3	87.8	63.5	24.3	66.5	85	68.9	65	0.65	260
March ..	.990	.946	76.4	72.6	81.3	84.6	68.9	15.7	87.5	65.4	22.1	68.0	85	72.1	74	3.18	228
April ..	.944	.896	78.6	76.4	82.9	85.5	71.7	13.8	88.4	66.9	21.5	68.7	78	70.6	66	0.54	313
May ..	.911	.870	79.0	77.9	82.6	85.5	72.1	13.4	89.5	68.3	21.2	71.8	81	72.3	72	7.83	214
June ..	29.941	.913	79.4	78.3	82.7	87.3	71.3	16.0	89.8	68.9	20.9	70.6	77	73.1	73	9.15	172
July ..	30.007	.977	80.4	78.3	84.5	88.6	72.2	16.4	90.7	70.0	20.7	69.7	75	74.8	73	5.67	175
August ..	29.968	.940	79.3	76.8	82.6	87.9	71.8	16.1	90.0	69.6	20.4	69.8	79	72.6	71	5.91	163
September ..	.919	.883	79.6	76.5	83.3	87.9	72.5	15.4	90.5	68.6	21.9	71.6	84	74.0	74	5.33	200
October ..	.902	.850	79.8	75.7	85.1	88.4	72.0	16.4	92.4	69.0	23.4	71.4	86	72.8	66	3.68	177
November ..	.930	.872	79.4	75.4	84.7	88.1	71.4	16.7	93.5	68.8	24.7	69.3	81	72.1	66	3.63	196
December ..	29.960	29.931	77.3	72.5	83.1	86.0	69.5	16.5	88.5	66.4	22.1	67.0	82	70.7	67	3.45	201
Means ..	29.954	29.913	78.5	75.2	83.1	86.6	70.9	15.7	89.9	67.4	22.5	69.1	81	71.8	69		213
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50.35	..

NEGRIL POINT LIGHT HOUSE. MEAN RESULTS, continued.

Month.	Wind from and miles per hour. 7 a.m.	mls.	3 p.m.	mls.	11 p.m.	mls.	Clouds in tenths. Lower. 7 a.m.	Lower. 3 p.m.	Middle. 7 a.m.	Middle. 3 p.m.	Upper. 7 a.m.	Upper. 3 p.m.	Weather Conditions.
January	NE	11.1	N	12.3	NE	9.9	0.6	1.0	0.5	4.4	0.3	0.0	Fine 14, Cloudy 10, Rain 7 days Norther on 4th and 5th, Thunderstorms on 4 days. Rainfall the average.
February	NNE	9.8	Var.	12.8	NE	8.9	1.2	0.3	1.7	3.3	0.0	0.3	Fine 12, Cloudy 8, Overcast 4, Rain 5 days, Thunderstorms on 1 day Lt. Northers during the month. Rainfall about ⅓ the average.
March	ENE	8.8	Var.	10.8	ENE	8.4	1.0	4.0	1.4	3.7	0.0	0.0	Fine 5, Cloudy 6, Overcast 7, Rain 13 days, Thunderstorms on 4 days Lt. Northers on 3 days. Rainfall the average.
April	ESE	9.4	SSE	17.5	ESE	9.7	0.7	2.6	1.8	3.0	0.6	0.3	Fine 8, Cloudy 9, Overcast 9, Rain on 4 days. Strong S.E. winds throughout the month. Bar. depression on 10th. Rainfall ⅙ the average.
May	ESE	7.2	Var.	10.7	ENE	7.0	2.0	2.3	1.8	5.3	1.7	0.3	Fine 2, Cloudy 8, Overcast 6, Rain 15 days Lightning on a few days Thunderstorms on 6 days. Rainfall the average.
June	NE	7.1	E	10.4	E	6.3	1.3	2.0	0.8	7.5	4.4	0.3	Cloudy 1, Overcast 6, Rain 23 days Lightning on many days and T. Storm on 18 days. Rainfall above the average.
July	NE	7.5	S	9.9	ENE	7.0	0.7	1.3	0.1.	7.4	3.7	0.2	Cloudy 13, Overcast 8, Rain on 10 days Lightning on a few days and T. Storm on 8 days. Rainfall the average.
August	NE	7 1	Var.	8.3	E	5.2	0.0	2.9	1.0	6.4	3.2	0.0	Fine 2, Cloudy 9, Overcast 2, Rain on 18 days, Lightning on many days and T. Storm on 11 days. Rainfall below the average.
Sept.	ENE	7.4	SE	10.9	E	7.1	0.3	3.7	0.6	4.4	4.4	1.8	Cloudy 3, Overcast 12, Rain on 15 days Lightning on many days and T. Storm on 8 days, Squalls on 15th. Rainfall below the average.
October	NE	6.9	N	9.2	NE	7.1	1.3	1.0	1.4	5.4	2.8	0.6	Fine 6, Fair 2, Cloudy 9, Overcast 6, Rain on 8 days Lightning on many days and T. Storm on 3 days. Rainfall about ½ the average.
Nov.	NE	7.4	N	10.0	NE	6.9	1.3	2.0	1.3	3.9	3.8	1.3	Fine 5, Fair 1, Cloudy 7, Overcast 6, Rain 11 days Lightning on a few days and T. Storm on 3 days. Rainfall the average.
December	ENE	8.4	Var.	11.0	ENE	8.5	1.5	0.9	0.1	4.7	1.3	0.5	Fine 7, Cloudy 10, Overcast 3, Rain on 11 days Lightning on a few days and T. Storm on 2 days. Brisk S.E. winds on 27th 10 to 11 a.m. Rainfall above the average.
Means	ENE	8.2	E	11.2	ENE	7.7	1.0	2.0	1.0	5.0	2.2	0.5	The Rainfall for the year is below the average (with 139 rainy days.) Owing to the severe drought in Feby., April, August, Sept., and Oct., agriculturalists have had a severe set back in this district.

No. 516.

LIBRARY
20 1921
Weather Bureau

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

FEBRUARY, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	30.011	29.975	76.7	80.2	82.3	73.8	8.5	84.0	7*	65.0	25	19.0
Kingston ..	24	29.988	29.941	69.5	82.9	86.4	68.5	17.9	90.0	26	66.6	11*	23.4
Negril Pt. Light House	33	30.001	29.951	71.2	82.1	84.4	67.6	16.8	88.5	28	64.7	18	23.8
Castleton Gardens ..	496	..	..	65.4	79.5	82.8	63.9	18.9	88	17	60	9*	28
Hope Gardens† ..	668	30.004	29.913	67.0	82.5	84.8	64.7	20.1	90	22*	61	16	29
Stony Hill Indus. School	1,400	..	..	66.6	73.7	83.6	68.3	15.3	88	5	66	4*	22
Kempshot ..	1,773	29.993	29.935	66.8	72.3	75.4	65.3	10.1	79.2	10	63.6	19	15.6
Hill Gardens ..	4,900	25.324	25.273	60.8	62.4	64.7	53.0	11.7	71	22	51	5*	20

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	69.8	79	69.8	71	3.15	.	NE	12	NE	12.5	3.0	1.6	0.8	1.9	1.8	0.9
Kingston	24	65.3	86	68.9	62	0.56	156	NE	6.0	SE	13.5	1.1	1.1	2.1	3.8	2.8	1.1
Negril Point Light House‡	33	66.4	85	70.0	67	1.50	204	NE	8.0	Var.	11.7	1.5	1.0	2.1	2.5	2.7	2.8
Castleton Gdns.	496	63.7	96	70.7	74	13.26	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	61.8	84	68.3	60	4.11	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	61.6	84	69.2	86	9.17	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	63.7	90	65.7	79	3.48	184	E	5.2	NE	2.6	3.7	0.5	1.5	3.4	2.8	0.0
Hill Gardens	4,900	53.3	75	61.1	96	15.97	..	..	..	..	..	..	.	.	..	..	..

*and on other days. †Hope Gardens.—Bar read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. N.E. 7.0

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1909." In obtaining the mean Rainfall for the month only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results derived from these two columns are comparable for each division. These results are given in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

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

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

NORTH-EASTERN DIVISION.	February, 1921.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ..	10.85	2.79	13	12	5.51
Bath ..	9.08	2.30	15	7	4.43
Priestman's River	9.10	2.90	17	7	..
Moore Town ..	27.73	6.45	14	17	12.92
Port Antonio ..	11.45	2.00	28	18	6.04
Fellowship ..	21.05	4.40	28	18	10.47
Johnson River Bridge ..	3.44	0.95	15	10	2.21
Mt. Pleasant ..	11.69	1.67	18	11	..
Cedar Valley, St. Thos. ..	6.35	4.00	15	6	2.50
Hill Gardens ..	15.97	6.77	15	14	4.07
Spring Garden ..	15.93	5.40	28	16	..
Buff Bay ..	21.92	5.70	27	12	7.71
Greenvale ..	26.75	7.34	14	16	11.36
Belvedere, Portland	25.91	9.05	27	14	..
Mt. Holstein ..	21.68	6.72	15	18	6.93
Rose Hill ..	16.99	6.10	15	8	4.26
Hardware Gap ..	21.85	..	..	..	3.36
Stony Hill Ind. Sch.	7.19	3.15	15	10	2.26
Castleton Gardens	13.26	7.78	2	11	4.94
Lawrence Tavern	11.20	8.00	15	9	2.29
Zion Hill ..	6.10	1.86	15	12	..
Agualta Vale ..	13.64	5.25	27	14	5.33
Water Valley ..	13.66	5.83	27	13	4.83
Platfield ..	9.33	5.94	15	9	..
Richmond, St. Mary	8.51	2.90	15	12	4.53
Hampstead, St. Mary	12.33	4.48	27	14	7.01
Windsor Castle ..	13.98	2.13	15	13	..
Guy's Hill ..	..	..	..	..	..
Lucky Hill ..	6.63	1.35	17	10	4.72
Rio Hoe ..	5.44	2.00	15	6	3.95
Unity Valley ..	9.76	3.74	15	10	3.50
Moneague ..	8.09	3.07	15	13	3.92
Clàremont ..	8.93	2.75	15	7	3.87
Albion, St. Ann ..	8.56	2.16	15	17	3.49
Averham Park .	11.59	3.25	15	14	4.25

NORTHERN DIVISION.	February, 1921.				
	Total fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ..	8.90	1.90	27	11	5.38
Ocho Rios ..	6.10	1.60	17	11	3.77
Bogue, Ocho Rios	6.73	1.35	17	10	4.79
Rockfield ..	9.27	2.87	17	15	..
Liberty Hill ..	8.41	1.52	15	13	4.86
St. Ann's Bay ..	12.64	2.24	27	13	4.76
Seville ..	11.66	3.00	17	12	4.29
Richmond Estate	12.55	2.58	25	14	4.28
Llandovery ..	14.45	3.62	24	9	4.52
Runaway Bay ..	7.64	1.72	25	9	..
Brown's Town ..	10.23	2.25	15	11	4.16
Alexandria ..	8.18	2.15	15	11	..
Watt Town, St. Ann	6.76	2.20	15	7	..
Richmond Pen ..	5.99	2.11	15	7	2.21
Bryan Castle ..	6.30	2.90	25	11	2.45
Braco ..	4.65	1.[illegible]5	25	8	2.27
Harmony Hall ..	3.88	1.06	20	10	2.46
Georgia ..	..	..	..	..	..
Falmouth ..	0.66	0.20	15	10	1.84
Good Hope ..	3.07	0.75	15	7	..
Canaan ..	2.75	0.75	19	7	2.14
Guilsbro ..	..	..	..	..	
Success ..	2.08	0.46	15	8	2.22
Cinnamon Hill ..	2.33	0.48	27	8	2.54
Rose Hall ..	1.70	0.40	27	7	2.35
Tryall ..	2.78	0.52	1	8	..
Running Gut ..	1.89	0.40	1	7	2.11
Spring Estate ..	1.93	0.60	26	7	2.56
Montego Bay ..	2.30	1.25	15	7	1.84
Friendship ..	2.00	0.79	16	6	..
Retirement ..	2.37	0.60	15	12	..
King Gate ..	2.80	0.80	22	5	2.25
Blue Hole ..	5.30	2.36	23	6	..
Kew ..	3.72	0.89	21	8	2.20
Haughton Court ..	2.70	0.60	23	7	1.99
Lucea ..	2.71	0.64	23	10	2.33
Green Island ..	3.10	1.25	23	10	..
CENTRAL SUB-DIVISION					
Rio Magno ..	..	..	..	..	..
Headworks, Rio Cobre ..	1.20	0.40	27	4	1.52
Linstead ..	..	..	..	..	..
Berkshire Hall ..	6.46	3.73	15	11	2.10
Point Hill ..	..	..	..	..	..
Bellas Gate ..	..	..	..	...	..
Croft Hill ..	..	..	..	..	..
Chapelton ..	3.26	1.11	27	9	1.73
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	3.31	1.05	26	5	..

West-Central Division.	February, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	..	..	..	..	..
Spaldings ..	4.26	1.25	27	10	..
Brokenhurst ..	5.73	1.66	17	12	2.37
Christiana ..	5.48	1.85	26	13	2.42
Chudleigh ..	5.40	1.02	16	14	2.90
Shooter's Hill ..	4.70	1.50	27	10	1.88
Kendal, Manchester	5.46	2.00	27	9	2.32
Clifton Hill ..	3.97	0.95	26	8	..
Marshalls Pen ..	3.07	1.92	18	8	2.94
Mandeville ..	5.17	1.45	16	10	2.69
Carlton, Mandeville	5.57	1.87	16	12	2.69
Retford ..	4.58	1.03	18	13	..
Somerset ..	5.40	2.00	18	9	..
Ulster Spring ..	17.44	3.87	15	10	2.97
Freeman's Hall ..	14.97	2.40	12	13	..
Albert Town ..	14.60	2.11	15	14	2.65
Lowe River ..	13.07	2.50	24	10	2.86
Troy ..	6.25	1.25	20	10	2.98
Windsor Pen, Trel.	..	..	..	..	..
Balaclava Police Station ..	8.26	1.60	28	12	2.21
Wallingford ..	11.84	2.14	25	13	2.83
Magotty ..	6.78	2.30	16	7	3.02
Springfield, St. Elizabeth ..	5.23	1.50	23	9	..
Chesterfield, St. James ..	..	..	..	..	..
Kempshot ..	3.48	1.50	24	9	2.77
Cambridge, St. James ..	6.12	2.20	15	13	..
Ducketts ..	..	..	..	..	..
New Market, Police St. ..	7.64	2.07	3	10	..
The Bog, New Market ..	6.37	1.23	24	12	..
Kew Park ..	..	..	..	..	..
Montpelier ..	6.37	1.77	3	9	..
Ramble ..	10.94	3.28	23	14	..
Burnt Ground ..	8.83	3.00	2	9	2.43
Knockalva ..	9.14	2.84	23	17	..
Petersville ..	1.42	0.59	13	5	2.79
Darliston ..	8.25	2.75	3	9	3.41
Bluefields ..	5.80	1.70	24	6	3.80
Whithorn ..	9.48	3.40	3	7	3.15
Water Works Pen	8.90	3.55	3	11	..
Askenish ..	2.42	2.23	1	9	..
Grange Hill ..	5.05	1.40	17	11	2.39
King's Vale Police St. ..	3.99	0.84	21	10	2.80

Southern Division.	February, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	3.15	1.00	2	13	2.89
Pleasant Hill ..	4.03	1.98	2	9	..
East Prospect ..	3.91	1.95	2	9	2.18
Morant Bay ..	1.53	0.68	15	5	1.98
Easington ..	1.01	0.28	2	5	1.43
Bull Bay ..	..	..	..	..	..
Bellevue ..	5.02	1.53	14	9	..
Gordon Town ..	5.82	1.30	17	10	1.63
Irish Town ..	4.80	..	..	..	1.34
Hope Gardens ..	4.11	..	..	..	1.18
King's House Gar.	4.71	..	..	..	1.27
Melrose ..	2.06	0.87	15	9	..
Half-way Tree ..	2.69	0.74	17	8	0.80
Lunatic Asylum	1.53	1.04	16	8	0.51
S. Camp Road ..	1.73	0.64	16	10	0.60
Kingston P.W.O.	0.56	0.16	14	6	0.60
Plumb Point L.H.	0.27	0.12	14	6	0.65
Clifton Pen ..	1.92	0.45	27	6	0.48
Quarantine Station	0.16	0.16	19	1	0.34
Spanish Town ..	..	..	..	..	..
Hog Hole, St. Catherine ..	2.58	1.25	27	6	1.70
Hartlands ..	5.03	1.80	26	6	1.26
Belmont, Guanaboa Vale ..	..	..	..	..	..
Old Harbour ..	..	..	..	..	..
May Pen ..	3.58	0.98	3	9	1.62
Maysville ..	..	..	..	..	..
Dry River, Vere ..	2.89	1.08	16	5	1.09
Toll Gate ..	4.38	1.00	12	7	..
New Yarmouth ..	4.03	2.05	17	5	1.12
Milk River ..	..	..	..	..	..
Retrieve ..	3.15	1.03	12	8	..
Hog Hole, S. Man.	7.26	1.85	27	10	..
Stone's Hope ..	6.18	1.49	27	12	2.03
Newport, Manchester ..	5.40	1.82	17	12	2.45
Great Valley, Man.	6.93	2.33	26	12	2.26
Alligator Pond ..	5.27	2.90	27	7	1.06
Fairfield ..	3.31	1.05	25	14	2.36
Southfield, St. Elizabeth ..	4.64	1.86	27	11	..
Lititz ..	3.87	1.39	26	8	..
Torrington ..	3.27	0.78	14	15	2.28
Bethlehem, St. Eliz.	5.10	1.56	26	12	2.26
Santa Cruz ..	2.47	0.83	28	9	2.33
Pedro Plains Police St. ..	1.66	0.60	27	5	1.08
Mountainside ..	2.52	0.75	14	7	..
Black River ..	1.09	0.71	14	7	1.69
Font Hill ..	3.30	2.05	28	4	1.48
Mount Edgecombe	0.92	0.35	16	7	2.40
Sweet River ..	3.18	1.40	27	7	2.77
Windsor Sav-la-Mar	3.88	1.63	27	6	2.32
Orchard ..	3.68	1.74	27	7	..
Sav.-la-Mar ..	3.53	1.30	3	10	2.10
Little London ..	4.58	1.50	3	7	..
Retreat ..	5.22	1.80	3	7	2.51
Negril Point L.H.	1.50	0.48	28	10	1.74

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	FEBRUARY. 1921.	FEBRUARY. Average.
	In.	In.
North-Eastern Division ...	13.11	5.51
Northern ,, ...	5.39	2.48
West-Central ,, ...	7.18	2.69
Southern ...	3.20	1.57
The Island ..	7.22	3.06

SHOCKS OF EARTHQUAKE IN FEBRUARY, 1921.

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

The mean rainfall for the whole Island was somewhat over twice the average.

The greater part of the precipitation is shewn to have occurred between the 14th and 17th, and between the 20th and 27th. Very little rain was recorded in all the divisions from the 4th to the 13th.

For the month the greatest fall was reported from Moore Town in the Parish of Portland, where 27.73 inches was recorded.

In 24 hours the greatest fall : 9.05 inches, occurred at Belvedere, in Portland, on the 27th.

Taking each Division, the West-central had over two-and-a-half times the average, then the Southern had barely one-and-a-half. Both in the North-eastern and Northern Divisions the average falls were a little below two-and-a-half times.

For this month the average fall of 7.21 inches is phenomenal, and it is the highest on record for the month of February, for 50 years. The next highest occurred in February 1916, when 5.34 inches fell.

It may be also observed that in the preceding month of January the mean for the Island, of 10.87 ins., is similarly the highest for that month on record. The next highest being 7.83 ins. in the year 1905.

J. F. BRENNAN,

Govt. Meteorologist.

Kingston, 19th March, 1921.

Meteorological Results for the Year 1920.

Morant Point Light House.—Mean results for the year 1920. Elevation, 8 feet.

Month.	Barometer Pressure.		Temperatures.						Extremes for the Month.			Dewpoint and humidity.				Rain-fall.	Miles of Wind per diem.
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range	7 a.m.		3 p.m.			
	in.	in.	°	°	°	°	°	°	°	°	°	°	%	°	%	ins.	
January ..	30.028	29.996	78.0	77.2	80.0	81.3	75.6	5.7	84.0	72.0	12.0	68.7	75	68.4	68	1.79	351
February ..	29.965	29.932	76.4	74.3	80.1	81.8	71.6	10.2	85.0	60.5	24.5	67.7	80	68.7	65	1.03	244
March ..	30.087	29.905	77.3	75.4	80.7	82.4	72.9	9.5	84.5	65.0	19.5	70.4	84	70.6	71	8.76	265
April ..	29.969	29.931	81.1	80.8	83.4	85.0	77.3	7.7	86.0	73.0	13.0	70.8	71	71.2	79	0.11	278
May ..	29.918	29.888	80.7	79.5	83.8	86.0	75.4	10.6	88.0	68.0	20.0	75.1	87	71.7	79	6.24	196
June ..	29.993	29.942	82.3	81.6	84.3	86.2	79.1	7.1	87.5	76.0	11.5	73.5	77	73.0	69	0.80	Anemometer out of repair
July ..	30.028	30.000	82.6	81.7	84.8	86.4	79.7	6.7	87.0	76.0	11.0	73.9	77	73.7	70	0.74	
August ..	29.981	29.957	83.1	82.5	85.5	87.3	79.1	8.2	89.0	72.0	17.0	73.0	80	73.5	69	1.67	
September ..	29.966	29.899	83.2	82.9	85.5	87.6	78.8	8.8	89.5	73.0	16.5	73.9	74	74.0	77	3.89	
October ..	29.910	29.862	82.0	81.1	85.2	87.2	76.6	10.6	88.5	69.5	19.0	73.5	78	73.7	69	3.74	
November .	29.946	29.898	80.9	80.8	82.6	84.9	77.3	7.6	87.0	71.0	16.0	72.1	75	73.3	74	12.28	
December ..	29.981	29.932	80.0	79.3	82.0	83.9	76.8	7.1	85.0	65.5	19.5	71.0	76	70.7	69	1.88	
Total .. Means ..	29.981	29.929	86.6	79.8	81.2	85.0	76.7	8.3	86.7	70.1	16.6	72.0	78	71.9	72	42.93	.. ..

MEAN RESULTS, continued.

Month.	Wind from and miles per hour				Clouds in tenths.						Weather Conditions.
	7 a.m.		3 p.m.		Lower.		Middle.		Upper.		
		mls.		mls.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m	3 p.m.	
January ..	NNE	20.	NNE	17.	2.7	2.3	1.0	2.1	.1	.1	A dry month. Norther 5th and 6th Thunderstorm on 23rd clear blue sky on 2 days.
February ..	Var.	11.6	Var.	12.6	2.5	1.2	1.0	1.8	0.0	0.0	Very dry Bar. unsteady. Wind var. clear blue sky on 7 days.
March ..	NEbN	12.	NE	12.	3.1	1.9	1.2	1.8	.1	.2	Norther on 2nd. Heavy rains and Thunderstorm on 23rd overcast on 4 days. Clear blue sky on 4 days. Rainfall moderate.
April ..	E	15.	E	14.3	2.5	1.5	1.3	1.3	.4	.2	Very dry, clear blue sky 6 days.
May ..	S	7.5	EbS	10.	1.4	2.5	2.4	1.4	1.0	1.4	Dist. lightning on 9 days. Overcast 3 days clear blue sky 5 days S.W. gale on 27th.
June ..	ENE	14.	E	13.	2.5	2.1	1.8	2.2	1.9	2.0	Thunderstorms on 2 days; Dist. lightning frequent; very dry overcast on 2 days.
July ..	NEbE	17.	NEbE	15.	2.8	1.5	1.3	1.7	1.9	1.6	Very dry. Thunderstorm on 1 day Dist. lightning frequent clear blue sky 2 days.
August ..	NEbE	10 5	NE	10.	1.5	1.3	2.2	2.0	1 3	1.4	Very dry. Thunderstorm on 5th Dist. lightning frequent overcast on 2 days clear blue sky 3 days.
Sept. ..	ENE	12.	EbN	10.	2.4	1.8	1.3	1.9	1.5	1.8	Thunderstorms on 7, 13, 15 and 28 Dist. lightning frequent. Rainfall well distributed but scanty. Overcast 2 days clear blue sky 1 day.
October ..	NEbE	10.	NE	9.	2.4	1.5	.6	2.0	1.3	2.2	Thunderstorm on 7th Dist. lightning frequent: Rainfall scanty but well distributed.
Nov.	NEbE	15.	NE	15.	3.2	2.6	1.1	1.8	1.1	1.4	Thunderstorm on 7th overcast 4 days. Rainfall abundant.
December ..	NE	14.	NE	13.	3.0	2.3	.6	1.2	.5	.5	Norther on 18th and 19th clear blue sky 3 days. Rainfall scanty.
Means ..	ENE	13.2	NEbE	12.5	2.5	1.9	1.3	1.8	.9	1.1	

No. 517.

MAY 23 1921

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

MARCH, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	30.013	29.977	77.7	80.7	82.4	74.6	7.8	84.0	1*	68.0	4	16.0
Kingston ..	24	29.991	29.940	70.3	82.4	86.9	68.5	18.4	90.3	27	66.1	29	24.2
Negril Pt. Light House	33	30.007	29.952	71.8	81.4	84.8	67.5	17.3	87.7	1	64.6	28	23.1
Castleton Gardens ..	496	..	..	66.8	78.3	82.3	65.9	16.4	88	28	61	27	27
Hope Gardens† ..	668	30.009	29.925	68.8	81.4	84.7	64.0	20.7	88	31	61	29	27
Stony Hill Indus. School	1,400	..	..	67.8	74.3	88.2	68.4	14.8	85	1*	67	5*	18
Kempshot ..	1,773	29.992	29.951	67.9	72.4	77.0	65.9	11.1	83.2	8	63.9	27	19.3
Hill Gardens ..	4,900	25.304	25.255	61.0	62.0	65.2	53.2	12.0	67	11*	51	22	16

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	69.8	76	69.3	68	6.36	..	NE	16	NE	13	2.6	1.0	0.8	1.2	2.3	0.8
Kingston	24	65.6	86	68.2	62	1.42	171	NNE	4	SE	14	1.1	1.6	0.6	4.5	2.5	0.9
Negril Point Light House‡	33	66.0	82	70.3	69	6.27	199	ENE	7.0	Var.	11.9	1.3	1.0	0.8	2.4	4.1	0.3
Castleton Gdns	496	65.0	93	71.7	82	8.23	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	62.4	78	68.6	67	6.96	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	62.1	82	67.2	78	5.05	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	63.0	81	69.5	79	5.40	164	E	7.6	NE	4.7	1.4	1.8	0.1	3.6	3.4	0.6
Hill Gardens	4,900	56.9	87	58.6	89	7.10	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. E.N.E. 6.4

THE RAINFALL.

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

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

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

NORTH-EASTERN DIVISION.	March, 1921.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Manchioneal ..	9.32	1.75	20	18	3.16
Bath ..	7.93	1.80	9	14	3.98
Priestman's River	7.96	1.40	21	17	..
Moore Town ..	19.24	4.57	20	18	9.78
Port Antonio ..	10.29	2.50	20	24	4.76
Fellowship ..	21.09	2.16	20	23	7.31
Johnson River Bridge ..	7.72	1.90	20	19	2 32
Mt. Pleasant ..	8.17	2.74	1	19	..
Cedar Valley, St. Thos. ..	6.25	1.50	14	9	3.07
Hill Gardens ..	7.13	2.80	20	15	4.88
Spring Garden ..	13.78	2.83	2	20	..
Buff Bay ..	10.55	1.75	20	12	5.54
Greenvale ..	12.21	3.65	20	14	10.77
Belvedere, Portland	12.69	3.50	5	20	..
Mt. Holstein ..	..	..	..	..	..
Rose Hill ..	9.19	1.03	14	11	4.80
Hardware Gap ..	5.50	5.30	15	2	4.21
Stony Hill Ind. Sch.	5.05	1.30	4	14	3.10
Castleton Gardens	8.23	2.50	31	20	4.87
Lawrence Tavern	5.27	1.71	20	13	3.06
Zion Hill ..	3.40	1.50	14	10	..
Agualta Vale ..	8.45	3.10	20	14	4.40
Water Valley ..	8.72	3.56	19	12	4.25
Platfield ..	6.28	2.28	20	14	..
Richmond, St. Mary	8.49	2.91	20	10	3.63
Hampstead, St. Mary	7.91	1.84	20	14	5.08
Windsor Castle ..	..	..	..	..	..
Guy's Hill ..	6.18	2.70	20	4	..
Lucky Hill ..	5.96	1.77	19	12	2.93
Rio Hoe ..	8.48	2.16	20	11	3.55
Unity Valley ..	9.93	3.15	20	17	3.57
Moneague ..	9.12	3.05	20	21	3.10
Claremont ..	6.64	1.88	21	7	3.27
Albion, St. Ann ..	9.14	2.10	20	20	3.53
Averham Park ...	8.81	1.65	20	20	3.72

NORTHERN DIVISION.	March, 1921.				
	Total fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Port Maria ..	5.64	1.70	26	18	3.16
Ocho Rios ..	3.00	0.70	23	7	2 89
Bogue, Ocho Rios	4.04	0.92	20	9	4.12
Rockfield ..	7.72	2.60	6	..	..
Liberty Hill ..	4.94	1.30	27	13	4.39
St. Ann's Bay ..	4.41	1.59	14	8	2.85
Seville ..	4.09	0.80	26	10	3.15
Richmond Estate	..	..	..	..	..
Llandovery ..	2.48	0.96	15	5	2.95
Runaway Bay ..	1.45	0.50	26	7	..
Brown's Town ..	5.31	1.50	20	14	3.08
Alexandria ..	5.69	1.85	20	10	..
Watt Town, St. Ann	5.56	2.10	20	7	..
Home Castle ..	2.75	1.10	26	7	2.86
Richmond Pen ..	5.28	1.50	20	10	2.52
Bryan Castle ..	2.00	1.10	26	7	2.08
Braco ..	1.45	0.80	26	5	1.72
Vale Royal ..	2.95	0.90	26	6	2.40
Arcadia ..	2.76	1.40	26	3	2.08
Harmony Hall ..	1.64	0.83	26	9	1.97
Georgia ..	..	..	..	..	..
Falmouth ..	2.06	1.22	26	8	1.74
Good Hope ..	3.02	1.05	7	7	..
Canaan ..	1.92	0.74	8	4	2.44
Guilsbro ..	..	..	..	..	..
Success ..	1.25	0.75	26	3	1.83
Cinnamon Hill ..	1.27	0.50	26	3	1.77
Rose Hall ..	1.12	0.45	19	3	1.67
Tryall ..	1.70	0.65	26	6	..
Running Gut ..	1.15	0.40	26	3	1.63
Spring Estate ..	1.45	0.41	5	6	1.56
Montego Bay ..	1.85	0.71	8	10	1.69
Friendship ..	3.27	1.02	6	7	..
Retirement ..	3.57	0.72	8	10	..
King Gate ..	4.82	1.45	3	6	2.81
Blue Hole ..	4.56	2.10	6	7	..
Kew ..	3.23	0.70	6	9	3.30
Haughton Court ..	2.05	0.80	6	7	2.17
Lucea ..	3.91	1.67	6	12	2.37
Green Island ..	3.69	1.30	4	13	..
CENTRAL SUB-DIVISION					
Rio Magno ..	9.32	2.50	22	15	..
Headworks, Rio Cobre ..	6.65	1.72	1	10	2.93
Linstead ..	3.88	1.15	17	12	3.06
Berkshire Hall ..	7.52	2.25	20	18	2.65
Point Hill ..	..	..	..	..	..
Bellas Gate ..	..	..	..	..	..
Croft Hill ..	2.47	1.12	16	6	3.07
Chapelton ..	3.05	0.70	15	12	2.83
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	2.49	1.09	4	7	..

West-Central Division.	March, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	3.53	1.00	13	8	3.07
Spaldings ..	4.24	1.61	4	15	..
Brokenhurst ..	1.69	0.63	15	7	3.25
Christiana ..	3.49	1.60	4	17	4.84
Chudleigh ..	3.71	1.03	4	14	4.30
Shooter's Hill ..	4.02	1.26	4	12	3.34
Kendal, Manchester	4.56	1.85	4	11	3.67
Clifton Hill ..	2.98	1.00	16	8	..
Marshalls Pen ..	3.00	0.89	16	7	4.38
Mandeville ..	3.43	1.20	16	10	4.57
Carlton, Mandeville	3.54	1.06	16	9	4.57
Retford ..	2.66	1.04	16	12	..
Somerset ..	2.96	1.28	16	8	..
Ulster Spring ..	16.24	4.50	21	12	3.86
Freeman's Hall ..	14.75	3.40	20	12	..
Albert Town ..	13.72	3.60	19	11	4.48
Lowe River ..	15.25	3.48	3	15	5.82
Troy ..	5.35	2.70	6	5	5.58
Windsor Pen, Trel.	..	..	..	..	..
Balaclava Police Station ..	13.04	4.55	6	12	4.89
Wallingford ..	11.69	2.68	6	18	5.32
Magotty ..	12.53	1.92	4	14	5.98
Springfield, St. Elizabeth ..	14.32	2.95	1	16	..
Chesterfield, St. James ..	..	..	..	..	..
Kempshot ..	5.40	1.90	7	10	3.12
Cambridge, St. James ..	6.40	1.71	6	15	..
Ducketts ..	..	..	..	..	..
New Market, Police St. ..	14.45	2.42	7	18	..
The Bog, New Market ..	15.88	2.06	3	19	..
Kew Park ..	..	..	..	..	..
Montpelier ..	4.42	0.85	4	15	..
Ramble ..	8.14	3.00	14	12	..
Burnt Ground ..	7.45	2.00	6	13	4.55
Knockalva ..	7.29	2.41	14	13	..
Petersville ..	12.18	1.50	19	23	5.32
Darliston ..	9.83	2.96	1	17	6.42
Bluefields ..	11.52	1.70	10	14	7.26
Whithorn ..	..	..	..	..	..
Water Works Pen	15.05	4.00	1	20	..
Askenish ..	10.49	2.75	4	13	..
Grange Hill ..	14.29	2.80	12	17	5.31
King's Vale Police St. ..	8.00	2.20	14	16	4.61

Southern Division.	March, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	6.36	2.77	4	17	2.15
Pleasant Hill ..	6.32	1.22	14	14	..
East Prospect ..	5.68	0.99	10	19	2.47
Morant Bay ..	6.94	1.12	10	14	1.77
Easington ..	3.66	1.00	10	10	1.41
Bull Bay ..	0.00	..	..	0	0.46
Bellevue ..	3.39	1.43	21	9	..
Gordon Town ..	4.70	1.60	16	8	1.73
Irish Town ..	0.00	..	..	0	2.30
Hope Gardens ..	6.96	..	..	..	2.02
King's House Gar.	5.20	..	..	..	1.57
Melrose ..	2.07	1.30	2	4	..
Half-way Tree ..	1.95	0.70	2	6	1.29
Lunatic Asylum	2.02	1.08	16	7	1.00
S. Camp Road ..	1.20	0.42	16	10	1.12
Kingston P.W.O.	1.42	0.51	4	8	1.02
Plumb Point L.H.	0.46	0.16	10	6	0.96
Clifton Pen ..	2.36	0.70	24	7	1.25
Quarantine Station	0.37	0.28	24	2	0.96
Spanish Town ..	..	..	..	..	..
Hog Hole, St. Catherine ..	7.77	3.75	20	8	2.11
Hartlands ..	1.49	0.60	20	4	1.85
Belmont, Guanaboa Vale ..	..	..	..	..	..
Old Harbour ..	..	..	..	..	..
May Pen ..	3.13	0.98	20	12	2.67
Maysville ..	..	..	..	..	..
Dry River, Vere ..	2.18	1.00	4	7	1.79
Toll Gate ..	4.49	1.70	1	6	..
New Yarmouth ..	2.72	1.48	3	5	1.41
Exeter ..	1.45	1.10	17	3	1.50
Milk River ..	..	..	..	..	..
Retrieve ..	5.68	1.22	15	12	..
Hog Hole, S. Man.	6.62	2.00	1	9	..
Stone's Hope ..	3.00	0.67	1	9	2.84
Newport, Manchester ..	1.68	0.35	2	11	3.37
Great Valley, Man.	3.22	0.84	20	14	2.57
Alligator Pond ..	1.67	0.60	20	6	1.86
Fairfield ..	3.12	0.97	17	12	4.06
Southfield, St. Elizabeth ..	4.37	2.12	18	13	..
Lititz ..	3.19	2.09	16	9	..
Torrington ..	..	..	..	..	..
Bethlehem, St. Eliz.	..	..	..	..	..
Santa Cruz ..	10.35	1.70	15	17	4.70
Pedro Plains Police St. ..	3.23	1.60	18	6	1.77
Mountainside ..	4.33	0.85	13	11	..
Black River ..	10.44	2.18	19	17	2.64
Font Hill ..	13.10	3.60	14	19	3.69
Mount Edgecombe	9.81	1.44	3	23	4.04
Sweet River ..	11.37	1.80	6	15	3.50
Windsor Sav-la-Mar	9.59	3.30	7	14	2.97
Orchard ..	8.87	1.81	7	16	..
Sav.-la-Mar ..	9.95	1.61	1	16	2.78
Little London ..	..	..	..	..	..
Retreat ..	9.73	1.71	12	13	3.57
Negril Point L.H.	6.27	0.91	14	22	2.59

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	MARCH. 1921.	MARCH. Average.
	In.	In.
North-Eastern Division ...	9.10	4.68
Northern " ...	3.20	2.42
West-Central " ...	8.14	4.34
Southern ...	4.72	2.25
The Island ...	6.29	3.42

SHOCKS OF EARTHQUAKE IN MARCH, 1921.

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

The mean rainfall for the whole Island was 2.87 ins. in excess, and represents 84 per cent above the average.

In the North-eastern division there was a preponderance on the 20th. Then in the northern division there was an excess on the 26th, and the rest fairly distributed during the early part of the month. The west-central and southern divisions had fair rains until the 20th.

For the month the greatest fall occurred at Fellowship in the parish of Portland, where a total of 21.09 ins. was recorded. In 24 hours the greatest fall 5.30 ins. occurred at Hardware Gap on the 15th.

The north-eastern and west central divisions had about twice the average. In the northern division only about 30 per cent above the average fell. Then in the southern division more than double was recorded, and somewhat heavier in the western section of this division than the eastern part.

No rain fell at two stations, Bull Bay and Irish Town.

Taking the three months, from January, the Island's rainfall now gives about 14 inches in excess.

Corrigendum. W. R. No. 516, Feb. 1921; p. 3, West Central Division. Askenish for 2.42 read 7.42.

J. F. BRENNAN,

Govt. Meteorologist.

Kingston, 22nd April, 1921.

No. 518.

LIBRARY
JUN 27 1921

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

APRIL, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.996	29.957	77.7	81.7	83.2	73.5	9.7	85.0	15*	65.0	30	20.0
Kingston ..	24	29.976	29.928	74.1	81.7	86.8	69.9	16.9	91.3	1	67.1	28	24.2
Negril Pt. Light House	33	29.986	29.942	74.6	80.2	85.0	68.4	16.6	88.7	1	66.1	8	22.6
Castleton Gardens ..	496	..	..	66.5	78.8	82.5	65.4	17.1	88	30	62	29	26
Hope Gardens† ..	668	29.957	29.907	72.6	82.1	84.8	64.8	20.0	90	2*	61	11*	29
Stony Hill Indus. School	1,400	..	..	68.6	72.5	83.1	68.5	14.6	88	5	66	4	22
Kempshot ..	1,773	29.988	29.939	68.9	73.7	78.3	66.4	11.9	80.7	17	64.6	7	16.1
Hill Gardens ..	4,900	25.294	25.258	62.6	63.9	66.8	54.7	12.1	69	23	52	20	17

Stations.	Elevation	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind. direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	70.1	77	69.9	67	25.2	.	NE	9.9	ENE	9.8	3.4	1.3	0.5	1.6	1.6	0.5
Kingston	24	67.9	81	69.3	66	1.71	166	NNE	4.3	SE	13.2	1.0	1.6	0.5	5.3	3.0	1.0
Negril Point Light House‡	33	68.3	81	70.4	72	4.80	164	ENE	5.5	Var.	8.0	1.0	1.0	1.4	4.5	4.2	0.2
Castleton Gdns	496	64.5	90	72.4	82	8.21	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	64.7	76	68.5	65	3.97	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	62.2	80	65.0	77	5.72	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	64.6	86	67.1	80	5.06	124	E	5.0	NE	4.5	2.2	1.0	1.6	1.7	4.1	1.2
Hill Gardens	4,900	57.6	83	59.9	87	5.64	..	..	.	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. E.N.E. 6.6

THE RAINFALL.

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

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

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

NORTH-EASTERN DIVISION.	April, 1921.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ..	9.06	2.78	16	16	7.87
Bath ..	7.43	1.05	13	18	6.76
Priestman's River	10.90	3.50	12	11	..
Moore Town ..	13.29	3.75	13	16	11.76
Port Antonio ..	8.21	4.60	12	10	6.85
Fellowship ..	..	..	..	..	..
Johnson River Bridge ..	4.35	1.25	16	18	4.85
Mt. Pleasant ..	..	..	..	..	..
Cedar Valley, St. Thos. ..	4.06	..	..	..	4.54
Hill Gardens ..	5.64	2.00	12	12	5.98
Spring Garden ..	4.94	2.00	13	11	..
Buff Bay ..	4.29	2.08	12	4	7.06
Greenvale ..	6.64	3.30	7	7	10.01
Belvedere, Portland	5.67	2.15	12	6	..
Mt. Holstein ..	..	..	..	..	..
Rose Hill ..	8.74	3.68	10	6	8.62
Hardware Gap ..	10.75	..	..	..	6.89
Stony Hill Ind. Sch.	5.72	1.40	12	18	5.49
Castleton Gardens	8.21	2.90	30	15	6.61
Lawrence Tavern	4.98	1.60	12	9	4.65
Zion Hill ..	10.99	4.10	13	8	..
Agualta Vale ..	6.12	2.56	12	8	5.34
Water Valley ..	6.95	2.03	12	9	4.96
Platfield ..	4.26	2.49	12	11	..
Richmond, St. Mary	6.79	2.91	12	9	4.95
Hampstead, St. Mary	6.00	2.34	13	7	6.51
Windsor Castle ..	12.94	3.05	12	15	..
Guy's Hill ..	8.52	2.00	5	9	..
Lucky Hill ..	7.34	2.22	12	9	6.01
Rio Hoe ..	6.00	1.70	15	9	4.62
Unity Valley ..	7.10	2.34	12	12	5.01
Moneague ..	7.75	1.62	12	14	4.69
Claremont ..	5.05	2.75	11	4	4.17
Albion, St. Ann ..	5.85	1.69	11	12	4.65
Averham Park ..	3.34	1.10	11	9	5.00

NORTHERN DIVISION.	April, 1921.				
	Total fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ..	4.24	2.75	12	15	4.36
Ocho Rios ..	6.53	2.80	15	6	3.90
Bogue, Ocho Rios	6.51	1.70	12	10	6.27
Rockfield ..	5.29	2.73	12	10	..
Liberty Hill ..	4.54	2.00	13	8	5.10
St. Ann's Bay ..	5.08	1.60	12	7	4.16
Seville ..	5.30	1.07	13	8	3.79
Richmond Estate	..	..	..	..	..
Llandovery ..	5.45	1.70	12	8	3.73
Runaway Bay ..	2.26	1.15	14	6	..
Brown's Town ..	3.34	1.27	12	6	3.95
Alexandria ..	2.33	0.80	11	7	..
Watt Town, St. Ann	1.68	0.84	12	4	..
Richmond Pen ..	..	..	..	..	..
Bryan Castle ..	1.88	0.95	13	3	2.44
Braco ..	0.85	0.50	13	3	2.34
Harmony Hall ..	0.56	0.23	25	6	2.24
Georgia ..	..	..	..	..	..
Falmouth ..	0.51	0.21	13	5	2.25
Good Hope ..	2.10	1.50	12	4	..
Canaan ..	..	..	..	..	..
Guilsbro ..	..	..	..	..	..
Success ..	0.75	0.30	12	4	2.10
Cinnamon Hill ..	0.88	0.53	11	3	2.00
Rose Hall ..	0.90	0.55	11	3	1.98
Tryall ..	0.93	0.60	11	3	..
Running Gut ..	0.95	0.65	11	3	1.96
Spring Estate ..	0.98	0.58	11	3	2.07
Montego Bay ..	1.84	0.92	12	5	3.41
Friendship ..	..	..	..	..	..
Retirement ..	4.02	..	..	..	..
King Gate ..	8.59	3.25	11	7	4.77
Blue Hole ..	5.52	2.80	12	7	..
Kew ..	4.57	1.41	16	5	4.43
Haughton Court ..	3.65	1.55	16	4	3.72
Lucea ..	3.26	1.43	14	4	4.01
Green Island ..	12.77	2.58	15	12	..
CENTRAL SUB-DIVISION					
Rio Magno ..	4.93	1.50	8	9	..
Headworks, Rio Cobre ..	5.75	2.00	4	11	3.71
Linstead ..	3.63	1.33	15	7	4.74
Berkshire Hall ..	5.99	1.70	12	15	4.15
Point Hill ..	4.63	1.25	10	8	6.38
Bellas Gate ..	4.79	2.00	12	7	..
Croft Hill ..	1.29	0.59	9	4	4.67
Chapelton ..	2.26	1.03	12	9	4.04
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	6.14	1.70	10	9	..

West-Central Division.	April, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon					
Spaldings ..	7.05	1.30	12	19	..
Brokenhurst ..	5.79	1.45	10	14	5.76
Christiana ..	11.13	2.66	12	19	7.49
Chudleigh ..	11.77	3.20	9	19	7.08
Shooter's Hill ..	4.06	1.37	10	13	5.14
Kendal, Manchester	5.33	2.83	10	8	6.97
Clifton Hill ..	3.49	1.20	10	9	..
Marshalls Pen ..	9.33	3.00	10	11	6.74
Mandeville ..	4.16	1.50	10	15	5.98
Carlton, Mandeville	4.53	1.28	10	10	5.98
Retford ..	9.21	3.04	10	18	..
Somerset ..	9.59	2.94	8	13	..
Ulster Spring ..	13.90	3.13	10	8	7.36
Freeman's Hall ..	9.83	2.50	8	12	..
Albert Town ..	10.37	1.65	8	10	7.62
Lowe River ..	13.54	3.49	11	13	9.11
Troy ..	13.50	2.35	4	16	9.32
Windsor Pen, Trel.	..	..	..	..	..
Balaclava Police Station ..	12.67	2.40	10	16	10.10
Wallingford ..	20.38	2.39	10	24	9.26
Magotty ..	13.54	2.16	23	12	10.06
Springfield, St. Elizabeth ..	15.09	2.15	11	18	..
Chesterfield, St. James ..	..	..	..	..	..
Kempshot ..	5.06	1.22	8	10	5.45
Cambridge, St. James ..	8.37	1.72	5	17	..
Ducketts ..	..	..	..	..	..
New Market, Police St. ..	17.41	2.20	22	21	..
The Bog, New Market ..	14.30	2.33	8	19	..
Kew Park ..	..	..	..	..	..
Montpelier ..	5.46	1.05	16	14	..
Ramble ..	9.25	1.75	14	15	..
Burnt Ground ..	6.31	1.85	16	12	6.07
Knockalva ..	8.88	1.77	20	18	..
Petersville ..	9.57	1.79	4	16	7.35
Darliston ..	20.68	4.50	1	22	11.31
Bluefields ..	12.82	2.00	4	13	7.81
Whithorn ..	11.17	1.62	1	13	7.31
Water Works Pen	13.17	2.15	4	20	..
Askenish ..	13.76	2.90	12	10	..
Grange Hill ..	21.33	2.95	11	22	6.50
King's Vale Police St. ..	9.86	2.18	15	15	5.97

Southern Division.	April, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	2.52	0.46	7	16	3.53
Pleasant Hill ..	6.58	1.20	3	12	..
East Prospect ..	6.09	1.24	9	19	5.43
Morant Bay ..	3.96	0.67	18	14	3.27
Easington ..	2.56	0.67	4	11	2.23
Bull Bay ..	0.00	..	..	..	1.21
Bellevue ..	4.94	0.87	3	21	..
Gordon Town ..	3.28	1.24	10	8	3.46
Irish Town ..	0.00	..	..	..	4.58
Hope Gardens ..	3.97	..	..	..	2.97
King's House Gar.	3.18	..	..	..	2.64
Melrose ..	1.61	0.35	12	11	..
Half-way Tree ..	1.60	0.50	10	7	2.00
Lunatic Asylum	1.88	0.57	3	7	1.66
S. Camp Road ..	1.83	0.70	27	9	2.34
Kingston P.W.O.	1.71	0.36	13	9	1.24
Plumb Point L.H.	1.06	0.43	23	4	1.23
Clifton Pen ..	2.51	0.98	10	5	2.19
Quarantine Station	0.56	0.30	3	3	1.93
Spanish Town ..	3.51	1.52	3	6	2.48
Hog Hole, St. Catherine ..	6.65	1.00	3	9	3.04
Hartlands ..	4.23	1.30	12	5	3.35
Belmont, Guanaboa Vale ..	..	..	..	..	..
Old Harbour ..	6.95	2.62	12	7	3.01
May Pen ..	5.12	1.76	12	11	3.11
Maysville ..	..	..	..	..	..
Dry River, Vere ..	2.91	0.70	14	7	3.05
Toll Gate ..	4.95	1.20	12	7	..
New Yarmouth ..	3.43	1.10	12	5	2.73
Exeter ..	4.00	1.00	30	9	2.59
Milk River ..	..	..	..	..	..
Retrieve ..	3.95	1.30	2	8	..
Hog Hole, S. Man.	..	..	..	..	..
Stone's Hope ..	2.95	0.72	16	7	4.57
Newport, Manchester ..	3.22	0.61	10	18	5.41
Great Valley, Man.	3.33	0.54	10	11	4.22
Alligator Pond ..	1.95	0.74	11	6	3.36
Fairfield ..	8.34	2.40	10	18	6.08
Southfield, St. Elizabeth ..	2.47	0.57	18	8	..
Lititz ..	3.10	0.63	12	11	..
Torrington ..	6.60	1.50	3	13	4.61
Bethlehem, St. Eliz.	10.82	3.55	10	20	6.36
Santa Cruz ..	13.59	2.70	11	20	9.25
Pedro Plains Police St. ..	3.70	1.75	3	5	2.40
Mountainside ..	..	..	..	..	..
Black River ..	5.15	0.79	23	13	4.20
Font Hill ..	..	..	..	..	..
Mount Edgecombe	8.08	2.34	7	19	5.51
Sweet River ..	12.40	2.40	4	16	5.78
Windsor Sav-la-Mar	11.23	1.90	14	15	5.11
Orchard ..	13.11	1.89	8	17	..
Sav.-la-Mar ..	8.22	1.55	4	13	5.21
Little London ..	11.92	2.70	8	15	..
Retreat ..	8.55	2.25	8	15	5.02
Negril Point L.H.	4.80	1.08	7	16	2.92

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	APRIL. 1921.	APRIL. Average.
	In.	In.
North-Eastern Division ...	6.79	6.21
Northern " ...	3.39	3.34
West-Central " ...	10.90	7.06
Southern ...	4.66	3.50
The Island ..	6.43	5.03

SHOCKS OF EARTHQUAKE IN APRIL, 1921.

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

For the whole Island the mean rainfall was nearly 30 per cent. above the average.

Taking each Division, the North-eastern was 9 per cent. above. The Northern only 1 per cent. above. The West-central had the greatest fall, of 54 per cent. above; and the Southern, following with 33 per cent. above the average..

The first half of the month received most of the rain. And there was a preponderance between the 10th and 13th in all the Divisions.

In the latter part of the month very little rain fell.

The greatest fall for the month was reported as having occurred at Grange Hill in the parish of Westmoreland: 21.33 inches, which is over three times the average.

The greatest fall in 24 hours was 4.60 ins., on the 12th, at Port Antonio.

J. F. BRENNAN,

Govt. Meteorologist.

Kingston, 23rd May 1921.

No. 519.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

MAY, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.937	29.901	78.9	82.1	84.8	73.5	11.3	87.0	4	65.5	7	21.5
Kingston ..	24	29.919	29.872	77.2	83.3	86.8	72.2	14.6	91.5	10	69.6	7	21.9
Negril Pt. Light House	33	29.923	29.884	77.3	82.1	84.8	71.0	13.8	88.3	9*	66.0	8	21.7
Castleton Gardens ..	496	..	..	67.8	78.9	82.8	66.9	15.9	88.0	4	64.0	24	24.0
Hope Gardens† ..	668	29.924	29.854	74.8	83.7	86.2	65.6	20.6	91.0	9	61.0	15	30.0
Stony Hill Indus. School	1,400	..	..	69.8	73.3	83.6	69.0	14.6	87	3	67	2*	20
Kempshot ..	1,773	29.910	29.866	70.1	72.5	79.7	66.8	12.9	83.0	14	64.8	24	18.2
Hill Gardens ..	4,900	25.248	25.239	67.2	64.0	67.3	55.5	11.8	71.0	9	55.0	7	16.0

Stations.	Elevation	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind, direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	71.5	75	71.8	71	13.85	..	NE	10	NE	11	2.8	1.5	1.2	3.1	1.5	1.0
Kingston	24	69.4	77	70.6	66	5.61	189	ENE	5.9	SE	14.7	1.4	0.6	3.3	2.0	1.5	2.3
Negril Point Light House‡	33	69.3	77	70.6	69	8.01	234	E	7.0	Var.	13.0	1.6	1.6	2.4	2.9	4.3	0.4
Castleton Gdns	496	66.0	72	72.1	79	16.88	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	72.7	93	68.3	60	7.70	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	64.9	82	66.6	80	8.90	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	66.2	87	69.7	91	11.87	119	ESE	5.2	Var	4.2	0.0	2.0	1.9	7.0	0.9	0.9
Hill Gardens	4,900	55.6	68	61.5	93	11.49	..	..		..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. N.E. 9.5

JUL 30 1921

THE RAINFALL.

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

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

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

NORTH-EASTERN DIVISION.	May, 1921.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Manchioneal ..	11.80	2.50	26	15	14.53
Bath ..	21.37	3.46	31	22	13.08
Priestman's River	13.90	3.20	26	11	..
Moore Town ..	20.76	4.21	26	19	18.97
Port Antonio ..	12.99	3.25	28	16	15.62
Fellowship ..	17.43	4.35	26	16	18.54
Johnson River Bridge ..	16.20	3.45	31	20	9.97
Mt. Pleasant ..	12.03	2.97	9	8	..
Cedar Valley, St. Thos. ..	11.85	4.10	28	13	9.75
Hill Gardens ..	11.49	3.25	27	16	10.43
Spring Garden ..	10.13	2.00	28	16	..
Buff Bay ..	8.32	1.90	28	12	8.49
Greenvale ..	10.63	2.26	28	16	9.75
Belvedere, Portland	9.24	4.00	9	14	..
Mt. Holstein ..	11.92	1.81	4	18	9.29
Rose Hill ..	13.29	3.10	28	13	14.02
Hardware Gap ..	3.75	..	..	..	11.92
Stony Hill Ind. Sch.	8.90	2.34	28	21	9.82
Castleton Gardens	16.88	2.83	31	19	12.07
Lawrence Tavern	16.84	2.90	28	20	9.34
Zion Hill ..	..	..	..	..	..
Agualta Vale ..	4.33	1.90	28	14	6.19
Water Valley ..	5.62	2.55	28	13	7.73
Platfield ..	10.12	3.73	28	20	..
Richmond, St. Mary	7.92	2.28	28	15	7.66
Hampstead, St. Mary	5.78	2.18	29	14	8.38
Windsor Castle ..	19.82	3.92	28	23	..
Guy's Hill ..	..	..	..	..	..
Lucky Hill ..	10.84	2.33	21	19	8.91
Rio Hoe ..	11.82	3.63	28	15	8.18
Unity Valley ..	16.19	6.10	28	16	9.97
Moneague ..	16.80	6.40	28	22	8.37
Claremont ..	11.77	3.72	28	7	7.14
Albion, St. Ann ..	13.39	5.15	28	20	8.37
Averham Park ..	11.24	3.36	28	20	7.58

NORTHERN DIVISION.	May, 1921.				
	Total fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Port Maria ..	7.70	1.87	19	13	6.70
Ocho Rios ..	5.91	1.80	28	6	5.80
Bogue, Ocho Rios	7.98	2.20	29	14	5.99
Rockfield ..	13.91	3.42	28	15	..
Liberty Hill ..	12.57	2.60	28	13	4.88
St. Ann's Bay ..	11.59	2.72	28	10	5.69
Seville ..	12.40	2.57	23	9	6.68
Richmond Estate	..	..	..	..	..
Llandovery ..	9.61	4.25	30	9	6.65
Runaway Bay ..	5.56	1.55	28	10	..
Brown's Town ..	9.31	3.95	28	14	6.96
Alexandria ..	11.38	3.55	28	11	..
Watt Town, St. Ann	8.64	2.20	28	12	..
Richmond Pen ..	11.05	2.70	27	8	7.65
Bryan Castle ..	6.94	3.10	28	8	5.23
Braco ..	5.80	2.70	28	10	4.57
Harmony Hall ..	5.05	2.25	28	10	4.68
Georgia ..	..	..	..	..	..
Falmouth ..	5.70	1.71	28	11	4.82
Good Hope ..	15.28	3.00	29	19	..
Cannan ..	..	..	..	..	..
Guilsbro ..	..	..	..	..	..
Success ..	6.73	1.53	19	11	4.51
Cinnamon Hill ..	6.62	1.76	29	12	5.11
Rose Hall ..	6.51	1.65	28	13	4.44
Tryall ..	6.06	1.39	28	8	..
Running Gut ..	4.87	1.41	28	10	5.14
Spring Estate ..	6.90	1.70	29	9	4.57
Montego Bay ..	8.21	2.04	29	16	7.44
Friendship ..	15.36	5.42	29	11	..
Retirement ..	14.66	5.02	29	14	..
King Gate ..	12.95	1.85	23	14	8.81
Blue Hole ..	14.80	4.00	30	11	..
Kew ..	..	..	..	..	..
Haughton Court ..	14.25	5.20	29	18	8.33
Lucea ..	12.19	3.10	29	15	8.16
Green Island ..	18.86	7.20	29	15	..
CENTRAL SUB-DIVISION					
Rio Magno ..	..	..	..	..	..
Headworks, Rio Cobre ..	7.23	2.40	28	12	7.95
Linstead ..	16.65	5.50	28	14	..
Berkshire Hall ..	11.84	3.68	28	18	7.56
Point Hill ..	..	..	..	..	..
Bellas Gate ..	..	..	..	..	..
Croft Hill ..	18.53	6.29	28	7	8.14
Chapelton ..	14.41	4.30	28	10	9.12
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	14.58	2.32	29	16	..

West-Central Division.	May, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon					
Spaldings* ..	14.56	3.53	28	16	..
Brokenhurst ..	20.35	8.52	28	15	10.19
Christiana ..	18.67	6.46	28	19	11.53
Chudleigh ..	17.24	6.82	28	20	11.26
Shooter's Hill ..	16.91	7.25	28	16	7.89
Kendal, Manchester	19.14	7.88	28	16	10.95
Clifton Hill ..	13.22	5.00	28	13	..
Marshalls Pen ..	18.73	5.00	27	12	10.77
Mandeville ..	18.02	7.71	28	19	10.88
Carlton, Mandeville	12.39	4.10	27	13	..
Retford ..	..	..	..	..	..
Somerset ..	16.80	4.95	28	13	..
Ulster Spring ..	..	..	..	..	..
Freeman's Hall ..	14.41	3.30	28	13	..
Albert Town ..	..	..	..	..	..
Lowe River ..	..	..	..	..	..
Troy ..	14.13	3.00	28	11	16.06
Windsor Pen, Trel.	..	..	..	..	..
Balaclava Police Station ..	19.30	4.90	28	17	12.78
Wallingford ..	21.95	4.72	28	18	12.25
Magotty ..	15.23	2.41	25	15	14.31
Springfield, St. Elizabeth ..	17.34	2.70	22	14	..
Chesterfield, St. James ..	..	..	..	..	..
Kempshot ..	11.87	2.41	29	14	10.32
Cambridge, St. James ..	15.24	2.60	29	20	..
Ducketts ..	..	..	..	..	..
New Market, Police Stn. ..	13.68	1.85	22	14	..
The Bog, New Market ..	20.03	3.82	25	17	..
Bethel Town ..	14.04	1.80	25	18	..
Montpelier ..	16.57	3.50	29	16	..
Ramble ..	13.45	2.05	23	20	..
Burnt Ground ..	17.45	2.60	21	18	13.21
Knockalva ..	10.90	1.75	28	17	..
Petersville ..	18.14	3.54	29	15	11.39
Darliston ..	15.61	2.68	21	20	16.74
Bluefields ..	23.45	6.10	21	15	11.61
Whithorn ..	13.94	2.00	29	16	13.87
Water Works Pen	15.85	2.30	29	18	..
Askenish ..	20.01	3.85	21	13	..
Grange Hill ..	14.95	3.35	21	19	13.18
King's Vale Police Stn. ..	13.08	3.05	12	16	11.43

Southern Division.	May, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	13.85	3.34	31	19	9.35
Pleasant Hill ..	18.64	4.13	21	17	..
East Prospect ..	16.67	4.11	27	21	10.10
Morant Bay ..	15.62	4.25	27	15	7.59
Easington ..	9.67	2.50	27	12	6.82
Bull Bay ..	1.28	0.50	28	4	3.83
Bellevue ..	11.28	4.06	28	14	..
Gordon Town ..	6.37	2.20	27	6	7.83
Irish Town ..	..	..	..	..	..
Hope Gardens ..	7.70	..	..	..	..
King's House Gar.	14.33	..	..	..	..
Melrose ..	8.42	2.04	3	13	..
Half-way Tree ..	7.89	2.69	28	10	5.01
Lunatic Asylum	5.30	2.01	28	9	3.70
S. Camp Road ..	6.10	2.27	28	10	4.14
Kingston P.W.O.	5.61	1.98	28	13	4.39
Plumb Point L.H.	5.97	3.60	28	6	4.96
Clifton Pen ..	6.92	2.58	28	9	4.83
Quarantine Station	4.36	1.70	27	6	4.31
Spanish Town ..	9.22	..	..	..	..
Hog Hole, St. Catherine ..	7.65	4.22	28	9	7.16
Hartlands ..	7.57	2.65	28	8	6.00
Belmont, Guanaboa Vale ..	..	..	..	..	..
Old Harbour ..	10.50	3.72	28	9	..
May Pen ..	11.50	4.53	28	13	7.21
Maysville ..	..	..	..	..	..
Dry River, Vere ..	11.54	4.90	28	7	5.61
Toll Gate ..	21.13	9.02	28	10	..
New Yarmouth ..	12.71	5.27	28	8	5.50
Exeter ..	..	..	..	..	..
Milk River ..	..	..	..	..	..
Retrieve ..	11.80	5.00	28	10	..
Hog Hole, S. Man.	17.91	7.00	28	10	..
Stone's Hope ..	18.17	8.53	28	12	9.06
Newport, Manchester ..	18.66	7.92	28	23	8.64
Great Valley, Man.	13.04	6.70	28	16	6.86
Alligator Pond ..	11.05	7.73	28	8	5.62
Fairfield ..	16.79	6.73	28	19	8.13
Southfield, St. Elizabeth ..	16.99	7.20	28	17	..
Lititz ..	15.84	8.17	28	14	..
Torrington ..	16.00	3.70	28	16	7.06
Bethlehem, St. Eliz.	15.41	2.98	29	19	7.82
Santa Cruz ..	11.26	1.40	28	17	12.01
Pedro Plains Police Stn. ..	10.09	3.15	18	11	3.81
Mountainside ..	..	..	..	..	..
Black River ..	11.26	2.44	28	16	6.89
Font Hill ..	..	..	..	..	..
Mount Edgecombe	15.52	3.28	22	18	8.29
Sweet River ..	14.83	2.60	21	15	9.71
Windsor Sav-la-Mar	14.61	2.60	21	17	9.25
Orchard ..	14.02	2.63	21	20	..
Sav.-la-Mar ..	14.47	3.72	21	17	8.52
Little London ..	14.26	2.20	17	15	..
Retreat ..	12.64	2.15	21	14	8.88
Negril Point L.H.	8.01	1.37	27	16	6.19

* Gauge leaking from 29th.

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	MAY. 1921.	MAY. Average.
	In.	In.
North-Eastern Division ...	12.23	10.39
Northern ,, ...	9.34	6.95
West-Central ,, ...	17.27	12.38
Southern ...	11.13	6.78
The Island ...	12.49	9.12

SHOCKS OF EARTHQUAKE IN MAY, 1921.

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

The mean rainfall for the whole Island was 37 per cent. above the average, and it was 3.37 ins. in excess. Heavy rainfalls were reported for the latter part of the month in all the Divisions, chiefly about the 28th and 29th.

The Southern Div. shewed 64 per cent. above the average.

For the month the greatest total fall, 23.45 ins. occurred at Bluefields in the parish of Westmoreland. In 24 hours the greatest fall, 9.02 ins., occurred at Toll Gate in Clarendon.

Rail fell at every station.

There was a fine and complete Solar Halo visible in Kingston on the 14th between 10.30 a.m. and 3 p.m. The prismatic colours appeared all around the ring for most of the time. From angular measurements taken the radius to the red band was found to be 22 degrees 6 minutes.

Then on the same night, 14th—15th a brilliant display of Aurora Borealis was witnessed throughout the Island.

Lieut. A. W. Tucker, M.A., B.Sc., of Sunny Bank, Gordon Town, reports that he had seen the display from 10.40 p.m. on 14th, and it extended to an altitude of 50 degrees. And in azimuth about 60 degrees. Each shaft of light had its edges sharply defined. He noticed no movements such as are usually observed. Sixteen shafts of light were counted.

At Morant Point Lighthouse, Mr. Chas. Durrant also witnessed this rare phenomenon on Sunday morning 15th from 1 to 2 o'clock, and he reports the shafts of light reaching an altitude of 50 degrees, alternately brightening and fading, until 2 a.m. when they entirely disappeared.

The Keepers at Negril Point Lighthouse also withnessed the display at 12.45 a.m. on Sunday 15th.

At this time there was an exceptionally large group of Sunspots, about central.

There was evidence of a weather disturbance off the West end of Jamaica, moving North-easterly, on the 31st.

J. F. BRENNAN,
Govt. Meteorologist.

Kingston, June 16th, 1921.

No. 520.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JUNE, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.945	29.923	81.8	83.0	86.2	77.9	8.3	87.0	3*	72.5	1	14.5
Kingston ..	24	29.925	29.889	78.0	84.1	87.9	73.3	14.6	92.5	22	71.6	3	20.9
Negril Pt. Light House	33	29.922	29.898	78.3	83.8	86.8	72.7	14.1	89.5	22*	69.7	29	19.8
Castleton Gardens ..	496	..	..	69.4	82.7	85.6	68.5	17.1	91	30	65	30	26
Hope Gardens† ..	668	29.932	29.874	77.9	85.6	88.0	67.7	20.3	92	27*	62	30	30
Stony Hill Indus. School	1,400	..	..	70.7	73.7	83.0	69.3	13.7	85	3*	68	2*	17
Kempshot ..	1,773	29.945	29.916	71.8	75.2	80.2	69.5	10.7	82.8	4	67.7	25	15.1
Hill Gardens ..	4,900	25.282	25.259	64.4	66.4	69.6	57.8	11.8	72	17*	55	1*	17

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	73.8	78	73.5	73	3.17		ENE	13	ENE	14	3.0	1.8	1.3	3.0	0.5	2.3
Kingston	24	70.9	80	71.8	67	2.21	213	ENE	6.6	SE	17.6	1.4	0.7	4.4	2.1	1.9	4.0
Negril Point Light House‡	33	71.5	79	73.5	71	4.48	217	E	8.4	S.S.E	12.5	1.3	1.7	2.8	4.3	3.4	0.3
Castleton Gdns	496	68.2	96	69.0	62	6.81	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69.7	76	69.9	59	5.37	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	64.2	80	66.6	78	5.99	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	67.1	85	69.9	84	6.07	148	E	5.7	ENE	7.3	0.0	1.5	4.0	1.8	3.0	3.5
Hill Gardens	4,900	60.8	90	62.0	87	6.77	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. E.N.E. 6.7

THE RAINFALL.

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

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

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

NORTH-EASTERN DIVISION.	June, 1921.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Manchioneal ..	9.72	3.65	1	9	9.37
Bath ..	8.24	2.85	15	21	12.16
Priestman's River	6.75	1.50	10	9	..
Moore Town ..	20.72	3.88	1	19	21.77
Port Antonio ..	9.53	1.85	10	17	16 68
Fellowship ..	16 64	3.86	11	14	20.08
Johnson River Bridge ..	8.62	2.00	14	14	13 68
Mt. Pleasant ..	..	..	..	..	..
Cedar Valley, St. Thos. ..	8.87	4.80	16	9	14.86
Hill Gardens ..	6.77	6.00	1	6	7.62
Spring Garden ..	5.77	1.75	10	11	..
Buff Bay ..	5.50	1.51	10	11	7.50
Greenvale ..	2.64	0.96	1	6	4 89
Belvedere, Portland	2.44	0.78	10	7	..
Mt. Holstein ..	4.08	1.76	1	11	6.43
Rose Hill ..	8.28	4.00	1	6	6.40
Hardware Gap ..	14.65	5.90	1	3	7.12
Stony Hill Ind. Sch.	5.99	3.30	1	12	7.18
Castleton Gardens	6.81	2.94	30	13	9.37
Lawrence Tavern	5.52	1.30	9	8	6.77
Zion Hill ..	..	..	..	..	..
Agualta Vale ..	2.91	1.12	3	7	3.59
Water Valley ..	2.10	0.86	1	7	4.28
Platfield ..	11.24	2.60	1	11	..
Richmond, St. Mary	2.35	0.86	1	8	5.34
Hampstead, St. Mary	1.79	0.91	1	4	4.47
Windsor Castle ..	10.54	3.06	2	14	..
Guy's Hill ..	..	..	..	..	..
Lucky Hill ..	3.48	1.65	11	9	4.32
Rio Hoe ..	5.38	0.87	23	9	8.29
Unity Valley ..	7.73	1.47	7	14	8.18
Moneague ..	4 67	1.00	29	3	7.96
Claremont ..	1.80	1.30	6	2	5.66
Albion, St. Ann ..	4.34	1.42	9	17	6.43
Averham Park ..	2.74	0.87	8	14	5.62

NORTHERN DIVISION.	June, 1921.				
	Total fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Port Maria ..	3.48	0.68	15	13	4.05
Ocho Rios ..	1.10	0.66	12	2	2 24
Bogue, Ocho Rios	3.50	1.50	16	5	2.89
Rockfield ..	3.50	0.78	8	8	..
Liberty Hill ..	1.87	0.70	16	6	2.33
St. Ann's Bay ..	2.32	1.28	16	6	4.03
Seville ..	..	..	..	..	..
Richmond Estate	..	..	..	..	..
Llandovery ..	2.95	1.60	26	7	4.54
Runaway Bay ..	4.01	2.20	12	12	..
Brown's Town ..	0.60	0.24	24	4	4.00
Alexandria ..	2.07	0.57	29	8	..
Watt Town, St. Ann	1.86	0.77	8	5	..
Richmond Pen ..	..	..	..	..	..
Bryan Castle ..	2.33	1.00	2	9	3.30
Braco ..	2.00	0.40	23	7	2.93
Harmony Hall ..	2.32	0.95	23	8	2.82
Georgia ..	..	..	..	..	..
Falmouth ..	1.10	0.31	13	7	2.55
Good Hope ..	3.08	1.00	6	10	..
Canaan ..	..	..	..	..	..
Guilsbro ..	..	..	..	..	..
Success ..	1.24	0.78	3	3	2.44
Cinnamon Hill ..	1.90	1.09	3	5	3.10
Rose Hall ..	1.87	1.10	3	6	3.05
Tryall ..	2.43	0.76	3	7	..
Running Gut ..	2.80	0.80	3	7	3.11
Spring Estate ..	4.27	1.35	6	7	2.95
Montego Bay ..	..	..	..	..	..
Friendship ..	4.53	1.32	12	8	..
Retirement ..	3.40	0.95	11	11	..
King Gate ..	..	..	..	..	..
Blue Hole ..	23.67	5.40	10	12	..
Kew ..	..	..	..	..	..
Haughton Court ..	9.20	2.55	24	19	8.40
Lucea ..	8.60	1.92	24	15	8.28
Green Island ..	10.00	1.70	24	18	..
CENTRAL SUB-DIVISION					
Rio Magno ..	..	..	..	..	..
Headworks, Rio Cobre ..	7.88	5.20	1	6	5.45
Linstead ..	..	..	..	..	..
Berkshire Hall ..	10.23	2.35	29	12	..
Point Hill ..	..	..	..	..	..
Bellas Gate ..	..	..	..	..	..
Croft Hill ..	..	..	..	..	..
Chapelton ..	7.53	2.74	2	9	6.79
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	2.20	0.60	14	5	..

West-Central Division.	June, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon					
Spaldings ..	5.84	1.32	2	13	..
Brokenhurst ..	9.01	4.42	2	11	11.50
Christiana ..	3.56	0.69	1	13	6.88
Chudleigh ..	4.09	1.24	2	15	5.60
Shooter's Hill ..	5.57	1.80	2	14	5.54
Kendal, Manchester	5.24	1.52	1	8	8.30
Clifton Hill ..	8.86	6.20	1	7	..
Marshalls Pen ..	6.53	2.30	2	7	7.03
Mandeville ..	7.27	2.07	1	14	8.83
Carlton, Mandeville	6.34	2.20	3	11	8.83
Retford ..	..	..	..	..	..
Somerset ..	4.75	1.90	2	7	..
Ulster Spring ..	..	..	..	..	..
Freeman's Hall ..	..	..	..	..	..
Albert Town ..	..	..	..	..	..
Lowe River ..	..	..	..	..	..
Troy ..	6.95	3.40	7	5	8.12
Windsor Pen, Trel.	..	..	..	..	..
Balaclava Police Station ..	6.48	1.90	7	9	4.84
Wallingford ..	6.37	2.15	2	9	5.74
Magotty ..	8.48	1.81	2	10	6.51
Springfield, St. Elizabeth ..	7.53	1.46	9	11	..
Chesterfield, St. James ..	..	..	..	..	..
Kempshot ..	6.07	1.49	6	16	8.71
Cambridge, St. James ..	..	..	..	..	..
Ducketts ..	..	..	..	..	..
New Market, Police Stn. ..	6.21	1.90	27	11	..
The Bog, New Market ..	9.89	2.13	8	12	..
Bethel Town ..	8.12	1.25	8	14	..
Montpelier ..	7.97	2.60	8	20	..
Ramble ..	11.55	2.25	12	13	..
Burnt Ground ..	12.53	2.03	8	15	10.84
Knockalva ..	9.04	1.42	13	15	..
Petersville ..	6.12	1.62	1	11	7.74
Darliston ..	11.70	2.78	8	17	10.43
Bluefields ..	6.95	5.05	7	4	10.50
Whithorn ..	12.91	2.10	22	12	9.97
Water Works Pen	9.72	2.16	22	19	..
Askenish ..	16.87	3.20	20	16	..
Grange Hill ..	12.45	5.20	8	14	10.80
King's Vale Police Stn. ..	10.39	1.30	28	17	12.27

Southern Division.	June, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	3.17	1.48	14	10	6.21
Pleasant Hill ..	5.98	2.43	14	14	..
East Prospect ..	4.81	1.29	14	16	7.78
Morant Bay ..	5.28	1.65	14	15	8.71
Easington ..	4.45	1.80	1	11	8.69
Bull Bay ..	0.60	..	..	..	4.99
Bellevue ..	6.16	4.72	1	8	..
Gordon Town ..	6.15	5.90	1	3	5.18
Irish Town ..	0.00	..	..	..	5.10
Hope Gardens ..	5.37	..	..	..	5.22
King's House Gar.	3.58	..	..	..	4.63
Melrose ..	4.13	3.03	1	5	..
Half-way Tree ..	4.27	3.28	1	3	3.93
Lunatic Asylum	1.45	1.05	1	7	4.61
S. Camp Road ..	2.33	1.64	1	6	3.92
Kingston P.W.O.	2.21	1.05	1	6	4.10
Plumb Point L.H.	0.40	0.21	14	5	4.38
Clifton Pen ..	3.03	2.25	1	3	5.01
Quarantine Station	2.98	2.00	1	5	3.52
Spanish Town ..	..	..	..	..	..
Hog Hole, St. Catherine ..	2.89	2.50	1	3	5.24
Hartlands ..	2.27	1.50	1	4	5.72
Belmont, Guanaboa Vale ..	..	..	..	..	..
Old Harbour ..	..	..	..	..	..
May Pen ..	5.87	2.63	1	7	6.25
Maysville ..	..	..	..	..	..
Dry River, Vere ..	2.35	1.17	1	9	4.39
Toll Gate ..	..	..	..	..	..
New Yarmouth ..	2.81	1.36	1	5	5.71
Exeter ..	2.75	0.70	2	9	7.72
Milk River ..	..	..	..	..	..
Retrieve ..	8.92	5.23	1	5	..
Hog Hole, S. Man.	..	..	..	..	..
Stone's Hope ..	4.94	2.93	2	6	8.63
Newport, Manchester ..	6.51	2.94	2	12	8.45
Great Valley, Man.	2.35	0.88	2	6	7.15
Alligator Pond ..	1.69	0.60	1	5	4.59
Fairfield ..	8.13	2.90	2	13	6.44
Southfield, St. Elizabeth ..	5.41	3.80	2	3	..
Lititz ..	4.71	2.29	1	3	..
Torrington ..	..	..	..	..	..
Bethlehem, St. Eliz.	7.23	2.82	2	9	4.23
Santa Cruz ..	3.93	1.32	2	6	5.82
Pedro Plains Police Stn. ..	2.66	1.20	2	3	2.69
Mountainside ..	..	..	..	..	..
Black River ..	4.12	1.44	18	8	3.82
Font Hill ..	..	..	..	..	..
Mount Edgecombe	4.47	1.18	7	16	6.35
Sweet River ..	13.15	2.20	13	16	7.11
Windsor Sav-la-Mar	6.20	1.46	8	19	6.55
Orchard ..	8.41	1.62	8	16	..
Sav.-la-Mar ..	7.91	2.31	7	16	6.38
Little London ..	7.79	2.18	8	15	..
Retreat ..	8.94	4.15	8	12	7.10
Negril Point L.H	4.48	1.00	6	16	5.49

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	JUNE. 1921.	JUNE. Average.
	In.	In.
North-Eastern Division ...	6.74	8.66
Northern " ...	3.44	5.25
West-Central " ...	7.75	8.95
Southern ...	4.19	5.85
The Island ..	5.53	7.18

SHOCKS OF EARTHQUAKE IN JUNE, 1921

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt etc.
13	4.18 p.m.	I	Spanish Town.
13	4.30 p.m.	I	Unity Valley.
22	11.30 a.m.	I	Ditto.

The mean rainfall for the whole Island was 77 per cent. of the average, and shewed a deficiency of 1.65 inch. The heavy rainfalls during the latter part of May continued on the 1st and 2nd June.

All the Divisions were below the average.

For the month the greatest total fall of 23.67 inches occurred at Blue Hole in the Northern Division Then in 24 hours the greatest fall of 6.20 ins. occurred at Clifton Pen in the West Central Division on the 1st.

Only two stations reported no rainfall.

The weather disturbance appearing at the northwest of the Island the latter part of May continued in a north-easterly track towards Cuba and is reported to have done some damage to the district of Guantanamo.

Mr. J. S. Brownhill reports that at Negril the wind had a south direction with a velocity varying from 20 to 30 miles per hour from 7 a.m. to 3 p.m. on the 1st. Then at about 4 p.m. quite a gale of 40 miles per hour from the south was experienced. The Negril barometer read at Noon on the 1st 29.741 ins.; the mean being 29.927 ins. The lower clouds had a rapid southerly and south-easterly drift. The rainfall was only 0.45 inch at the time.

Miss C. Maxwell Hall reports from Kempshot a southerly wind of 20 miles per hour at 11 a..m. on 31st May and 15 miles per hour at 3 p.m. on 1st. The lowest barometer was 29.774 ins. at 3 p.m. on the 1st.

At. Kingston the barometer gave the lowest reading, 29.785 ins. at 7 a.m. on 1st with a lower cloud drift and wind varying from S.E. to south. On the 1st, 2.35 inches of rain fell.

A circular warning was issued on the morning of the 1st.

J. F. BRENNAN,
Govt. Meteorologist.

Kingston, July, 26th, 1921.

No. 522.

1 1921

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JULY, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	30.004	29.981	82.1	84.7	86.3	78.5	7.8	88.0	29	74.0	6*	14.0
Kingston ..	24	29.981	29.933	77.1	85.2	89.3	73.5	15.8	92.7	25	69.4	5	23.3
Negril Pt. Light House	33	29.987	29.962	78.7	83.8	88.2	72.0	16.2	91.5	24	69.6	31	21.9
Castleton Gardens ..	496	..	..	69.0	84.0	87.9	68.0	19.9	92	24	65	5	27
Hope Gardens† ..	668	29.993	29.941	77.6	86.3	91.4	66.1	25.3	94	31	65	5*	29
Stony Hill Indus. School	1,400	..	..	70.1	71.8	83.4	69.1	14.3	88	20*	68	2*	20
Kempshot ..	1,773	29.982	29.952	71.9	77.2	81.4	69.2	12.2	85.1	29	67.4	20	17.7
Hill Gardens ..	4,900	25.321	25.292	64.4	67.2	71.6	58.7	12.9	75	28	57	1*	18

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	72.9	74	73.8	70	1.04	..	NE	17	NE	14	1.1	2.0	1.5	1.6	2.0	1.6
Kingston	24	69.4	78	71.5	64	1.21	242	NE	5.7	SE	19.7	1.0	0.9	3.1	1.7	2.0	4.7
Negril Point Light House‡	33	70.7	77	73.8	72	4.81	170	NE	6.2	S.	8.8	0.6	0.6	3.6	3.5	5.0	0.5
Castleton Gdns	496	67.2	93	73.5	72	3.74	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63.4	72	68.6	58	3.45	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	63.4	79	64.8	78	4.54	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	65.9	81	68.5	75	4.54	156	E	8.5	NE	5.7	1.0	0.0	2.5	0.8	3.5	2.0
Hill Gardens	4,900	58.7	85	61.0	81	1.10	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. E.N.E. 6.1

THE RAINFALL.

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

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

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

NORTH-EASTERN DIVISION.	July, 1921.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ..	3.96	1.57	12	10	6.21
Bath ..	7.11	1.78	3	11	8.76
Priestman's River	4.90	2.70	8	6	..
Moore Town ..	15.77	4.79	8	15	17.72
Port Antonio ..	8.43	3.80	8	12	10.84
Fellowship ..	13.69	3.60	13	14	15.06
Johnson River Bridge ..	8.09	3.09	8	11	7.03
Mt. Pleasant ..	6.64	3.53	14	4	..
Cedar Valley, St. Thos. ..	5.09	1.70	13	4	4.79
Hill Gardens ..	1.10	0.70	13	2	3.64
Spring Garden ..	2.81	0.52	13	9	..
Buff Bay ..	2.33	0.53	12	7	6.93
Greenvale ..	1.81	0.66	12	5	3.73
Belvedere, Portland	2.39	1.40	12	6	..
Mt. Holstein ..	3.02	1.36	6	7	5.24
Rose Hill ..	8.08	2.10	9	10	5.92
Hardware Gap ..	1.61	..	..	..	4.19
Stony Hill Ind. Sch.	4.54	1.05	30	14	5.16
Castleton Gardens	3.74	0.68	31	12	6.12
Lawrence Tavern	5.35	1.08	28	11	5.45
Zion Hill ..	7.33	2.00	11	7	..
Agualta Vale ..	0.74	0.30	12	9	3.62
Water Valley ..	1.23	0.42	12	5	3.52
Platfield ..	5.24	2.00	3	11	..
Richmond, St. Mary	3.58	1.30	12	9	3.54
Hampstead, St. Mary	3.20	1.03	12	6	3.61
Windsor Castle ..	2.21	0.94	6	4	..
Guy's Hill ..	..	..	..	..	..
Lucky Hill ..	1.97	1.95	12	5	3.60
Rio Hoe ..	3.69	0.66	29	7	4.24
Unity Valley ..	3.02	0.94	3	10	5.59
Moneague ..	2.65	0.60	3	7	4.52
Claremont ..	1.57	1.00	13	3	3.35
Albion, St. Ann ..	4.32	1.71	6	13	4.09
Averham Park ..	1.81	0.55	12	10	3.06

NORTHERN DIVISION.	July, 1921.				
	Total fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ..	1.18	0.38	13	7	4.05
Ocho Rios ..	0.74	0.54	24	2	2.24
Bogue, Ocho Rios	0.93	0.27	24	4	2.89
Rockfield ..	2.23	0.52	13	8	..
Liberty Hill ..	2.30	1.30	11	7	2.33
St. Ann's Bay ..	2.53	2.43	21	2	3.01
Seville ..	..	..	..	..	..
Richmond Estate	..	..	..	..	..
Llandovery ..	0.45	0.45	14	1	2.98
Runaway Bay ..	1.43	0.90	5	2	..
Brown's Town ..	2.95	1.85	6	6	2.55
Alexandria ..	5.40	1.20	28	8	..
Watt Town, St. Ann	4.88	1.68	6	6	..
Richmond Pen ..	..	..	..	..	..
Bryan Castle ..	2.25	1.20	12	5	1.83
Braco ..	1.20	0.75	12	5	1.65
Harmony Hall ..	0.65	0.65	12	1	1.55
Georgia ..	..	..	..	..	..
Clark's Town ..	5.55	3.20	12	9	..
Falmouth ..	1.82	0.70	12	6	1.54
Good Hope ..	4.47	.00	6	9	..
Canaan ..	..	..	..	..	..
Guilsbro ..	..	..	..	..	..
Success ..	0.40	0.25	5	2	1.49
Cinnamon Hill ..	0.63	0.35	13	2	1.34
Rose Hall ..	0.25	0.25	13	1	1.29
Tryall ..	0.63	0.41	13	3	..
Running Gut ..	0.46	0.39	13	3	1.38
Spring Estate ..	1.02	0.46	21	4	1.87
Montego Bay ..	2.14	0.76	6	11	3.46
Friendship ..	..	..	..	..	..
Retirement ..	..	..	..	..	..
King Gate ..	2.30	0.51	8	7	4.69
Blue Hole ..	3.31	2.30	3	4	..
Kew ..	5.27	1.30	8	17	5.35
Haughton Court ..	3.45	0.80	6	12	5.43
Lucea ..	1.96	0.52	1	10	4.97
Green Island ..	7.43	1.15	6	18	..
CENTRAL SUB-DIVISION					
Rio Magno ..	..	..	..	..	..
Headworks, Rio Cobre ..	1.44	1.05	11	4	3.34
Linstead ..	..	..	..	..	..
Berkshire Hall ..	10.03	2.79	6	9	4.84
Point Hill ..	..	..	..	..	..
Bellas Gate ..	..	..	..	..	..
Croft Hill ..	..	..	..	..	..
Chapelton ..	1.44	0.46	19	8	3.35
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	2.51	0.70	9	6	..

West-Central Division.	July, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	3.10	1.12	30	5	3.99
Spaldings* ..	4.57	1.12	9	16	..
Brokenhurst ..	7.50	2.72	11	9	5.23
Christiana ..	3.50	0.90	9	12	4.40
Chudleigh ..	3.58	1.46	9	13	4.27
Shooter's Hill ..	3.02	0.87	11	9	5.20
Kendal, Manchester	3.76	1.07	11	9	5.52
Clifton Hill ..	6.00	2.80	14	8	..
Marshalls Pen ..	4.51	2.05	14	7	5.05
Mandeville ..	6.11	2.00	14	15	5.44
Carlton, Mandeville	6.45	1.90	14	14	5.44
Retford ..	..	..	..	..	..
Somerset ..	..	..	..	..	..
Ulster Spring ..	..	..	..	..	..
Broadleaf Water	10.79	3.12	6	18	..
Freeman's Hall ..	..	..	..	..	..
Albert Town ..	..	..	..	..	..
Lowe River ..	..	..	..	..	..
Troy ..	12.40	2.90	11	9	6.93
Windsor Pen, Trel.					
Balaclava Police Station ..	5.27	1.68	30	6	4.67
Wallingford ..	4.79	1.40	27	7	5.44
Magotty ..	6.81	1.55	6	7	8.41
Springfield, St. Elizabeth ..	8.69	3.70	30	11	..
Chesterfield, St. James ..	..	..	..	..	..
Kempshot ..	4.54	1.06	6	15	5.88
Cambridge, St. James ..	12.46	2.20	6	19	..
Ducketts ..	..	..	..	..	..
New Market, Police Stn. ..	11.62	3.14	27	15	..
The Bog, New Market ..	10.38	2.61	29	13	..
Bethel Town ..	15.79	1.90	8	19	..
Montpelier ..	9.00	2.90	8	9	..
Ramble ..	13.90	2.00	8	19	..
Burnt Ground ..	16.34	2.24	8	24	9.04
Knockalva ..	14.44	2.06	8	21	..
Petersville ..	6.96	1.75	30	15	7.46
Darliston ..	9.93	1.27	30	20	11.25
Bluefields* ..	12.40	9.30	30	5	9.68
Whithorn ..	7.12	1.47	9	11	10.36
Water Works Pen	5.96	1.02	9	15	..
Askenish ..	15.12	2.60	7	17	..
Grange Hill ..	11.32	2.10	21	16	11.58
King's Vale Police Stn. ..	9.50	1.55	6	20	10.46

Southern Division.	July, 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	1.04	0.39	13	10	3.40
Pleasant Hill ..	3.39	1.36	8	11	..
East Prospect ..	2.72	0.93	12	8	5.19
Morant Bay ..	3.72	1.40	13	9	5.61
Easington ..	4.08	1.30	3	7	5.43
Bull Bay ..	0.60	..	..	..	2.09
Bellevue ..	1.62	0.60	16	7	..
Gordon Town ..	1.80	0.70	5	5	2.49
Irish Town ..	1.20	..	..	..	1.62
Hope Gardens ..	3.45	..	..	..	2.59
King's House Gar.	2.62	..	..	..	2.61
Melrose ..	3.12	1.12	30	9	..
Half-way Tree ..	1.64	1.00	12	3	1.59
Lunatic Asylum	0.52	0.37	13	4	1.31
S. Camp Road ..	1.38	0.58	14	6	1.21
Kingston P.W.O.	1.21	0.63	11	7	1.62
Plumb Point L.H.	1.28	1.20	13	3	1.86
Clifton Pen ..	..	..	..	..	..
Quarantine Station	0.87	0.50	14	4	0.91
Spanish Town ..	..	..	..	..	..
Hog Hole, St. Catherine ..	1.06	0.40	13	4	2.40
Hartlands ..	1.15	1.00	14	2	0.98
Belmont, Guanaboa Vale ..	..	..	..	..	..
Old Harbour ..	..	..	..	..	..
May Pen ..	2.88	0.95	14	6	3.04
Maysville ..	..	..	..	..	..
Dry River, Vere ..	1.69	0.90	14	3	1.43
Toll Gate ..	3.58	1.50	14	5	..
New Yarmouth ..	1.62	0.82	12	4	1.98
Exeter ..	..	..	..	..	..
Milk River ..	..	..	..	..	..
Retrieve ..	3.56	1.37	13	4	..
Hog Hole, S. Man.	5.26	3.00	1	5	..
Stone's Hope ..	4.43	1.70	14	5	3.84
Newport, Manchester ..	5.25	1.75	14	9	3.54
Great Valley, Man.	3.39	1.26	11	7	3.11
Alligator Pond ..	2.50	1.70	12	3	2.26
Fairfield ..	4.75	1.13	14	11	2.58
Southfield, St. Elizabeth ..	3.04	1.75	11	8	..
Lititz ..	3.36	1.53	11	4	..
Torrington ..	4.12	1.16	11	7	2.35
Bethlehem, St. Eliz.	4.11	1.53	27	6	2.90
Santa Cruz ..	6.03	1.38	30	10	5.20
Pedro Plains Police Stn. ..	1.83	1.35	30	20	1.56
Mountainside ..	..	..	..	..	..
Black River ..	4.57	2.00	30	4	4.70
Font Hill ..	..	..	..	..	..
Mount Edgecombe	7.94	2.68	30	21	6.91
Sweet River ..	5.68	0.58	2	18	7.61
Windsor Sav-la-Mar	4.83	1.60	3	15	7.01
Orchard ..	7.48	1.37	31	16	..
Sav.-la-Mar ..	4.34	0.98	30	17	6.19
Little London ..	7.81	3.45	30	14	..
Retreat ..	4.24	1.24	30	11	7.54
Negril Point L.H.	4.81	0.73	26	16	5.70

*Guage overflowed.

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	JULY. 1921.	JULY. Average.
	In.	In.
North-Eastern Division ...	4.50	5.68
Northern ,, ...	1.99	3.22
West-Central ,, ...	7.09	7.52
Southern ...	3.02	3.18
The Island ..	4.15	4.90

SHOCKS OF EARTHQUAKE IN JULY, 1921

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt etc.
8	5.50 a.m.	I	Kingston.
8	5.50 a.m.	I	Mandeville.
8	5.50 a.m.	I	Manningsfield, Vere.
8	..	I	Brown's Town.
9	2.05 a.m.	I	Manningsfield.

The mean rainfall for the whole Island was 85 per cent of the average.

All the Divisions were a little below their averages.

Most of the rainfall appears to have been recorded during the first half of the month, in all the Divisions. There was a preponderance of rain, also, in the West-central and Southern Divisions on or about the 30th.

The greatest rainfall for the month, 16.34 ins. occurred at Burnt Ground in the West-central Division.

In 24 hours a phenomenal rain of 9.30 ins. and over, is shewn to have taken place at Bluefields, in the West-central Division, but the rainguage overflowed.

No rain fell at Buff Bay in the Southern Division.

Corrigenda. W. Report No. 518, April 1921, p. 3, Freeman's Hall for 9.83 read 7.83. For 2.50 read 1.50.

J. F. BRENNAN,
Govt. Meteorologist.

Kingston, August, 23rd, 1921.

No. 523.

JAMAICA

WEATHER REPORT.

LIBRARY
OCT 15 1921
Weather Bureau

FOR THE MONTH OF

AUGUST, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.979	29.952	81.8	84.9	87.1	77.3	9.8	89.0	29*	71.0	30*	18.0
Kingston ..	24	29.959	29.919	75.3	83.9	90.2	78.0	17.2	92.6	22	71.1	25	21.5
Negril Pt. Light House	33	29.967	29.937	76.6	82.6	88.2	71.6	16.6	90.5	3	69.6	20	20.9
Castleton Gardens ..	496	..	..	69.6	80.6	85.4	68.6	16.8	91	15	65	27	26
Hope Gardens† ..	668	29.978	29.922	76.4	86.3	89.9	66.8	23.1	93	3*	65	11	28
Stony Hill Indus. School	1,400	..	..	69.8	73.6	84.6	69.1	15.5	88	9*	68	1*	20
Kempshot ..	1,773	29.981	29.955	71.9	76.2	81.5	69.7	11.8	84.0	15	67.8	25	16.2
Hill Gardens ..	4,900	25.281	25.241	63.1	66.1	70.1	57.7	12.4	77	16	56	12	21

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	74.0	77	73.7	69	5.34	..	NE	11.2	NE	11.6	2.0	1.8	1.0	1.1	2.4	2.1
Kingston	24	69.4	82	72.1	68	1.22	175	N by E	5.0	SE	15.5	1.5	1.5	1.7	3.9	2.2	2.7
Negril Point Light House‡	33	70.5	81	73.5	75	7.68	159	NE	7.1	SE	6.8	0.0	0.4	3.7	3.2	5.3	0.5
Castleton Gdns	496	68.3	93	73.5	80	9.47	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67.8	76	69.1	60	5.11	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	63.6	82	66.9	79	8.96	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	67.5	86	69.9	81	7.12	139	E	7.2	N	2.7	1.6	1.3	1.6	2.5	3.6	1.6
Hill Gardens	4,900	58.5	87	61.2	84	5.01	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. E.N.E. 5.6

THE RAINFALL.

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

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

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

NORTH-EASTERN DIVISION.	Aug., 1921.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Manchioneal ..	..	..	..	..	..
Bath ..	11.59	4.95	2	17	9.91
Priestman's River	6.84	1.80	27	10	..
Moore Town ..	16.78	2.80	12	19	15.54
Port Antonio ..	12.46	1.84	31	21	11.35
Fellowship ..	..	..	..	..	..
Johnson River Bridge ..	..	..	..	..	..
Mt. Pleasant ..	..	..	..	..	..
Cedar Valley, St. Thos. ..	7.41	3.55	2	10	10.24
Hill Gardens ..	5.01	1.70	2	13	8.38
Spring Garden ..	10.36	1.30	13	21	..
Buff Bay ..	7.76	1.35	2	18	5.30
Greenvale ..	10.72	3.18	26	15	6.06
Belvedere, Portland	6.73	2.05	2	14	..
Mt. Holstein ..	10.37	1.85	26	18	7.11
Rose Hill ..	19.97	2.35	24	16	10.52
Hardware Gap ..	13.93	..	..	..	7.24
Stony Hill Ind. Sch.	8.96	1.10	7	24	9.45
Castleton Gardens	9.47	1.36	31	20	10.16
Lawrence Tavern	10.54	1.47	26	18	8.43
Zion Hill ..	23.46	2.90	24	15	..
Agualta Vale ..	5.23	1.65	2	16	4.03
Water Valley ..	6.02	1.75	2	15	4.29
Platfield ..	8.23	1.62	30	19	..
Richmond, St. Mary	7.13	1.72	30	14	5.13
Hampstead, St. Mary	6.48	1.56	2	10	4.46
Windsor Castle ..	8.51	2.13	27	15	..
Guy's Hill ..	..	..	..	..	..
Lucky Hill ..	5.38	1.47	27	11	4.68
Rio Hoe ..	4.60	1.20	31	7	6.00
Unity Valley ..	2.66	1.00	2	13	6.70
Moneague ..	4.97	0.85	2	17	6.66
Claremont ..	5.15	2.00	26	6	5.17
Albion, St. Ann ..	5.34	1.73	25	13	6.15
Averham Park ..	4.49	1.12	29	14	4.76

NORTHERN DIVISION.	Aug., 1921.				
	Total fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Port Maria ..	6.55	1.46	12	19	4.74
Ocho Rios ..	3.24	0.90	28	7	3.07
Bogue, Ocho Rios	4.01	0.65	1	13	4.23
Rockfield ..	3.37	0.88	27	11	..
Liberty Hill ..	3.02	0.80	26	10	3.20
St. Ann's Bay ..	3.97	1.10	29	9	2.91
Seville ..	..	..	..	..	..
Richmond Estate	..	..	..	..	..
Llandovery ..	4.08	1.16	27	10	2.73
Runaway Bay ..	4.10	1.43	27	8	..
Brown's Town ..	6.20	2.93	23	9	4.27
Alexandria ..	3.69	0.90	23	14	..
Watt Town, St. Ann	4.12	0.70	8	10	..
Richmond Pen ..	10.58	4.35	22	9	5.28
Bryan Castle ..	1.88	0.54	27	9	2.80
Braco ..	1.22	0.45	27	8	2.63
Harmony Hall ..	0.95	0.50	27	4	2.40
Georgia ..	..	..	..	..	..
Clark's Town ..	2.65	0.60	31	8	..
Falmouth ..	1.57	0.42	23	9	2.61
Good Hope ..	8.75	1.45	1	14	..
Canaan ..	..	..	..	..	..
Guilsbro ..	..	..	..	..	..
Success ..	..	..	..	..	..
Cinnamon Hill ..	..	..	..	..	..
Rose Hall ..	..	..	..	..	..
Tryall ..	..	..	..	..	..
Running Gut ..	..	..	..	..	..
Spring Estate ..	..	..	..	..	..
Montego Bay ..	4.75	1.60	27	10	5.36
Friendship ..	6.04	2.58	24	9	..
Retirement ..	6.94	2.74	24	11	..
King Gate ..	3.28	1.00	26	10	6.10
Blue Hole ..	9.79	2.75	1	11	..
Kew ..	7.57	1.00	26	16	7.77
Haughton Court ..	7.80	1.30	26	15	6.71
Lucea ..	3.61	0.89	20	13	6.48
Green Island ..	12.09	2.17	24	18	..
CENTRAL SUB-DIVISION					
Rio Magno ..	..	..	..	..	..
Headworks, Rio Cobre ..	8.28	1.47	19	15	5.58
Linstead ..	..	..	..	..	..
Berkshire Hall ..	7.43	1.70	29	14	6.70
Point Hill ..	..	..	..	..	..
Bellas Gate ..	..	..	..	..	..
Croft Hill ..	6.06	2.70	24	7	7.16
Chapelton ..	3.64	0.90	20	15	6.66
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	7.98	1.39	6	14	..

West-Central Division.	Aug., 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	5.85	1.40	7	11	7.44
Spaldings ..	9.25	1.10	8	23	..
Brokenhurst ..	4.36	0.84	7	14	8.24
Christiana ..	9.10	2.02	8	22	7.23
Chudleigh ..	7.38	1.54	25	19	9.52
Shooter's Hill ..	7.49	2.00	6	20	8.02
Kendal, Manchester	5.36	1.50	6	13	8.75
Clifton Hill ..	6.62	1.58	7	11	..
Marshalls Pen ..	3.39	0.79	7	14	8.35
Mandeville ...	3.60	0.76	7	14	8.79
Carlton, Mandeville	5.26	0.90	10	12	8.79
Retford ..	..	..	..	..	..
Somerset ..	..	..	..	..	..
Ulster Spring ..	..	..	..	..	..
Broadleaf Water	18.95	1.86	8	19	..
Freeman's Hall ..	..	..	..	..	..
Albert Town ..	..	..	..	..	..
Lowe River ..	..	..	..	..	..
Troy ..	9.08	1.00	18	18	10.73
Windsor Pen, Trel.					
Balaclava Police Station ..	11.26	2.36	19	15	7.45
Wallingford ..	12.96	2.40	19	17	10.30
Magotty ..	20.49	2.64	19	19	10.96
Springfield, St. Elizabeth ..	15.24	1.80	31	20	..
Chesterfield, St. James ..	..	..	..	..	..
Kempshot	7.12	1.61	31	20	8.34
Cambridge, St. James ..	13.98	1.68	7	23	..
Ducketts ..	..	..	..	..	..
New Market, Police Stn. ..	17.42	2.05	26	24	..
The Bog, New Market ..	15.55	2.90	27	25	..
Bethel Town ..	12.23	1.80	5	26	..
Montpelier ..	10.50	3.70	26	17	..
Ramble ..	15.92	3.17	26	23	..
Burnt Ground ..	10.95	1.65	24	26	11.00
Knockalva ..	16.82	2.45	26	24	..
Petersville ..	13.40	2.40	7	23	10.66
Darliston ..	18.81	3.28	26	26	14.96
Bluefields ..	14.09	2.00	22	25	11.83
Whithorn ..	13.10	2.00	26	15	11.65
Water Works Pen	16.30	2.17	26	23	..
Askenish ..	16.98	3.45	26	21	..
Grange Hill ..	16.57	4.36	26	28	12.31
King's Vale Police Stn. ..	9.90	1.86	26	21	10.65

Southern Division.	Aug., 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	5.34	2.22	2	17	5.25
Pleasant Hill ..	..	..	..	..	..
East Prospect ..	7.43	3.60	2	14	7.36
Morant Bay ..	..	..	..	..	..
Easington ..	..	..	..	..	..
Bull Bay ..	1.75	0.52	12	6	2.78
Bellevue ..	..	..	..	..	..
Gordon Town ..	2.21	0.95	24	9	5.29
Irish Town ..	4.35	..	..	..	6.81
Hope Gardens ..	5.11	..	..	..	5.78
King's House Gar.	3.70	..	..	..	5.17
Melrose ..	3.18	1.37	30	8	..
Half-way Tree ..	2.61	1.07	30	7	3.89
Lunatic Asylum	2.26	1.13	2	6	2.71
S. Camp Road ..	1.45	0.97	2	8	3.30
Kingston P.W.O.	1.22	0.79	2	9	3.55
Plumb Point L.H.	2.04	0.99	2	8	3.38
Clifton Pen ..	0.98	0.71	2	3	4.06
Quarantine Station	0.69	0.50	3	3	2.33
Spanish Town ..	..	..	..	..	..
Hog Hole, St. Catherine ..	2.07	1.10	29	3	4.28
Hartlands ..	2.10	1.35	19	3	3.48
Belmont, Guanaboa Vale ..	..	..	..	..	..
Old Harbour ..	..	..	..	..	..
May Pen ..	7.09	2.81	13	12	5.05
Maysville ..	..	..	..	..	..
Dry River, Vere ..	0.89	0.50	2	4	3.81
Toll Gate ..	..	..	..	..	..
New Yarmouth ..	1.03	0.45	1	4	3.84
Exeter ..	0.60	0.45	2	3	4.07
Milk River ..	..	..	..	..	..
Retrieve ..	..	..	..	..	..
Hog Hole, S. Man.	1.37	1.00	29	5	..
Stone's Hope ..	2.88	0.65	11	13	6.36
Newport, Manchester ..	..	..	..	..	..
Great Valley, Man.	1.60	0.48	29	7	5.50
Alligator Pond ..	..	..	..	..	..
Fairfield ..	4.80	1.20	9	15	6.24
Southfield, St. Elizabeth ..	5.34	2.81	9	8	..
Lititz ..	3.09	0.69	13	10	..
Torrington ..	4.69	1.80	9	14	5.55
Bethlehem, St. Eliz.	6.81	2.17	9	15	6.37
Santa Cruz ..	7.15	1.30	18	13	9.02
Pedro Plains Police Stn. ..	2.41	1.20	9	4	2.88
Mountainside ..	..	..	..	..	..
Black River ..	9.33	1.91	18	13	6.32
Font Hill ..	..	..	..	..	..
Mount Edgecombe	12.38	1.98	10	25	8.29
Sweet River ..	13.96	1.80	31	22	9.07
Windsor Sav-la-Mar	12.78	1.33	4	24	7.66
Orchard ..	13.44	1.84	4	24	..
Sav.-la-Mar ..	11.92	1.60	7	24	7.78
Little London ..	12.07	2.05	11	20	..
Retreat ..	13.00	2.19	18	18	8.58
Negril Point L.H.	7.68	1.36	25	21	7.02

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	AUGUST. 1921.	AUGUST. Average.
	In.	In.
North-Eastern Division ...	8.85	7.47
Northern " ...	4.75	4.85
West-Central " ...	9.98	10.14
Southern ...	4.89	5.26
The Island ...	7.12	6.93

SHOCKS OF EARTHQUAKE IN AUGUST, 1921

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

The mean rainfall for the whole Island was slightly above the average, and fairly well distributed. The North-eastern Division was, however, about 20 per cent. above its average.

In the North-eastern Division there was a preponderance of rain on the 2nd, also between the 24th to 31st. In the Northern Division most of the rain fell during the latter part of the month. Then in the West-central, the heaviest falls occurred about the 7th, and on the 26th. In the Southern Division heavy falls were reported on the 2nd, and the precipitation was evenly distributed.

The greatest rainfall for the month, 23.46 inches, occurred at Zion Hill in the North-eastern Division.

In 24 hours the greatest fall was reported as 4.95 inches at Bath in St. Thomas.

Every station reporting had some rain.

J. F. BRENNAN,
Govt. Meteorologist.

Kingston, September 24th, 1921.

No. 524.

LIBRARY
NOV 17 1921
Weather Bureau

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

SEPTEMBER, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.934	29.902	81.4	84.6	87.6	77.5	10.1	90.0	12	71.0	16	19.0
Kingston ..	24	29.916	29.877	75.0	82.6	89.8	72.4	17.4	92.8	7	69.6	23	23.2
Negril Pt. Light House	33	29.922	29.887	76.5	83.8	88.2	72.5	15.7	91.8	26	70.4	24	21.4
Castleton Gardens ..	496	..	..	69.8	80.6	86.7	68.9	17.8	92	12	66	16*	26
Hope Gardens† ..	668	29.948	29.887	74.6	82.5	89.4	67.4	22.0	93	8	65	15*	28
Stony Hill Indus. School	1,400	..	..	70.2	69.8	84.5	68.3	16.2	88	5*	66	20	22
Kempshot ..	1,773	29.932	29.888	72.6	76.2	82.0	70.1	11.9	85.2	13	67.4	21	17.8
Hill Gardens ..	4,900	25.284	25.256	64.0	65.3	69.5	58.1	11.4	74	8	57	3*	17

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	73.8	78	73.7	70	5.89	..	NE	9.	ENE	11.	1.2	1.7	2.2	1.4	2.7	2.1
Kingston	24	71.2	88	73.7	72	5.11	156	NE	5.5	SE	11.9	1.3	0.8	2.7	4.7	1.4	2.0
Negril Point Light House‡	33	71.2	84	74.0	72	5.27	174	NE	6.8	Var.	8.3	1.0	0.3	4.4	2.9	4.4	0.9
Castleton Gdns	496	68.0	93	75.1	82	8.23	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67.2	76	71.3	67	10.19	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	63.5	79	64.3	83	8.84	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	67.9	86	70.4	82	7.62	..	E	7.5	NE	3.5	1.7	0.3	2.3	3.0	3.1	1.9
Hill Gardens	4,900	59.3	84	63.3	93	6.65	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. E. 5.9

THE RAINFALL.

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

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

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

NORTH-EASTERN DIVISION.	Sept., 1921.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Manchioneal ..	..	..	..	..	..
Bath ..	11.21	1.93	20	17	12.07
Priestman's River	11.64	2.42	16	16	..
Moore Town ..	23.88	6.00	20	16	15.39
Port Antonio ..	18.34	6.19	3	16	10.64
Fellowship ..	21.86	8.90	3	22	13.12
Johnson River Bridge ..	10.88	1.75	20	18	11.04
Mt. Pleasant ..	..	..	..	..	..
Cedar Valley, St Thos. ..	7.13	2.80	3	12	13.17
Hill Gardens ..	6.65	1.30	3	14	9.84
Spring Garden ..	11.07	2.40	3	12	..
Buff Bay ..	9.04	3.07	3	12	4.84
Greenvale ..	6.20	1.16	2	14	9.12
Belvedere, Portland	5.94	1.20	16	11	..
Mt. Holstein ..	10.77	2.16	15	18	9.23
Rose Hill ..	17.59	3.00	14	13	12.32
Hardware Gap ..	..	..	..	..	..
Stony Hill Ind. Sch.	8.84	2.20	23	22	9.97
Castleton Gardens	8.23	2.20	30	22	11.70
Lawrence Tavern	7.45	2.10	6	21	9.76
Zion Hill ..	18.33	2.00	15	20	..
Agualta Vale ..	4.97	2.58	16	11	4.86
Water Valley ..	3.30	1.58	16	9	4.91
Platfield ..	6.02	1.43	14	16	..
Richmond, St. Mary	3.28	0.74	29	14	5.75
Hampstead, St. Mary	3.33	0.75	22	8	6.95
Windsor Castle ..	7.78	1.33	4	15	..
Guy's Hill ..	..	..	..	..	..
Lucky Hill ..	2.21	0.32	22	12	5.81
Rio Hoe ..	10.49	2.60	1	11	6.17
Unity Valley ..	12.27	3.64	15	19	8.17
Moneague ..	9.99	2.37	15	20	7.33
Claremont ..	7.64	3.00	2	6	6.03
Albion, St. Ann ..	7.44	1.38	13	20	7.24
Averham Park ..	7.84	1.91	1	15	5.19

NORTHERN DIVISION.	Sept., 1921.				
	Total fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Port Maria ..	3.68	0.75	22	11	3.85
Ocho Rios ..	3.14	0.50	2	9	3.63
Bogue, Ocho Rios	3.02	1.05	3	9	4.26
Rockfield ..	7.31	3.65	18	11	..
Liberty Hill ..	3.36	1.40	17	11	4.13
St. Ann's Bay ..	4.69	2.31	17	8	3.47
Seville ..	..	..	..	..	..
Richmond Estate	..	..	..	..	..
Llandovery ..	5.31	2.54	17	9	3.78
Runaway Bay ..	2.68	1.00	17	7	..
Brown's Town ..	4.86	1.76	15	12	5.26
Alexandria ..	5.63	0.60	30	18	..
Watt Town, St. Ann	6.49	1.85	30	8	..
Richmond Pen ..	7.16	2.76	30	11	6.26
Bryan Castle ..	3.13	0.87	3	11	3.57
Braco ..	3.50	0.77	13	10	3.25
Harmony Hall ..	4.75	0.92	18	10	3.57
Georgia ..	..	..	..	..	..
Clark's Town ..	..	..	..	..	..
Falmouth ..	1.98	0.90	1	11	3.36
Good Hope ..	8.07	2.10	28	11	..
Canaan ..	..	..	..	..	..
Guilsbro ..	..	..	..	..	
Success ..	1.59	0.85	29	5	3.91
Cinnamon Hill ..	1.99	0.90	29	5	4.18
Rose Hall ..	1.28	0.50	29	5	3.68
Tryall ..	1.90	1.12	29	5	..
Running Gut ..	2.27	1.50	29	5	3.99
Spring Estate ..	1.63	1.08	29	4	4.11
Montego Bay ..	4.55	1.10	17	11	6.76
Friendship ..	8.94	2.07	15	12	..
Retirement ..	9.01	1.50	15	12	..
King Gate ..	3.04	1.28	24	9	7.80
Blue Hole ..	6.05	1.75	29	5	..
Kew ..	9.03	2.46	17	15	8.14
Haughton Court ..	8.15	2.40	17	12	6.68
Lucea ..	6.49	1.82	28	13	8.02
Green Island ..	6.15	1.10	19	9	..
CENTRAL SUB-DIVISION					
Rio Magno ..	7.97	1.50	28	11	..
Headworks, Rio Cobre ..	10.52	3.02	2	14	6.49
Linstead ..	4.95	2.97	6	8	8.02
Berkshire Hall ..	..	..	..	..	..
Point Hill ..	..	..	..	..	..
Bellas Gate ..	6.96	2.15	16	6	..
Croft Hill ..	..	..	..	..	..
Chapelton ..	5.19	1.53	3	13	8.00
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	..	..	..	..	..

West-Central Division.	Sept., 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	10.74	3.61	3	16	9.31
Spaldings ..	7.49	1.80	3	17	..
Brokenhurst ..	9.62	3.46	3	14	9.85
Christiana ..	8.88	1.82	3	17	9.82
Chudleigh ..	9.55	1.72	11	17	10.36
Shooter's Hill ..	9.02	2.47	3	16	9.51
Kendal, Manchester	10.17	2.03	3	15	9.98
Clifton Hill ..	12.32	3.50	3	18	..
Marshalls Pen ..	5.76	2.00	3	11	9.42
Mandeville ..	8.97	2.42	3	17	10.12
Carlton, Mandeville	9.31	2.75	3	18	10.12
Retford ..	..	..	..	..	..
Somerset ..	..	..	..	..	..
Ulster Spring ..	..	..	..	..	..
Broadleaf Water	7.03	1.75	13	14	..
Freeman's Hall ..	..	..	..	..	..
Albert Town ..	..	..	..	..	..
Lowe River ..	..	..	..	..	..
Troy ..	4.85	1.45	25	8	13.89
Windsor Pen, Trel.					
Balaclava Police Station ..	13.77	1.82	10	16	11.01
Wallingford ..	14.72	2.65	9	20	12.87
Magotty ..	16.92	2.55	2	16	11.99
Springfield, St. Elizabeth ..	8.75	1.12	16	20	..
Chesterfield, St. James ..	..	..	..	..	..
Kempshot ..	7.62	1.92	4	13	9.36
Cambridge, St. James ..	11.29	2.00	24	15	..
Ducketts ..	..	..	..	..	..
New Market, Police Stn. ..	9.15	1.49	15	22	..
The Bog, New Market ..	13.49	2.80	10	22	..
Bethel Town ..	10.99	2.40	23	16	..
Montpelier ..	4.60	1.25	16	14	..
Ramble ..	12.09	3.50	16	16	..
Burnt Ground ..	10.28	2.00	15	17	12.65
Knockalva ..	12.18	2.39	16	15	..
Petersville ..	6.09	1.63	18	15	9.35
Darliston ..	11.19	1.94	15	22	14.58
Bluefields ..	12.44	2.20	18	10	10.47
Whithorn ..	..	..	..	..	..
Water Works Pen	12.23	3.20	16	22	..
Askenish ..	8.22	2.08	30	12	..
Grange Hill ..	9.82	1.76	16	18	11.89
King's Vale Police Stn. ..	5.51	1.15	30	12	11.22

Southern Division.	Sept., 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	5.89	2.50	15	15	7.02
Pleasant Hill ..	9.45	1.85	15	14	..
East Prospect ..	8.67	1.82	29	14	8.14
Morant Bay ..	8.01	1.39	28	14	8.27
Easington ..	9.45	1.30	20	15	8.59
Bull Bay ..	0.25	0.25	16	1	4.74
Bellevue ..	9.17	1.79	6	11	..
Gordon Town ..	5.20	1.23	14	13	8.18
Irish Town ..	..	..	..	..	..
Hope Gardens ..	10.19	..	..	..	7.05
King's House Gar.	8.01	..	..	..	5.31
Melrose ..	6.31	0.87	5	17	..
Half-way Tree ..	7.17	2.00	25	15	4.81
Lunatic Asylum	6.02	2.09	3	15	4.44
S. Camp Road ..	6.57	2.80	3	15	4.60
Kingston P.W.O.	5.11	2.38	3	13	4.03
Plumb Point L.H.	11.05	3.50	12	16	4.10
Clifton Pen ..	3.22	0.71	16	..	4.39
Quarantine Station	3.44	0.80	20	8	2.66
Spanish Town ..	6.18	2.53	9	8	5.13
Hog Hole, St. Catherine ..	5.13	1.35	3	7	6.04
Hartlands ..	5.60	1.60	3	8	4.79
Belmont, Guanaboa Vale ..	..	..	..	..	..
Old Harbour ..	4.68	2.00	3	7	6.25
May Pen ..	6.40	1.65	3	16	6.99
Maysville ..	..	..	..	..	..
Dry River, Vere ..	2.61	1.55	4	6	5.60
Toll Gate ..	6.05	1.25	15	13	..
New Yarmouth ..	6.60	2.15	3	9	5.82
Exeter ..	..	..	..	..	..
Milk River ..	..	..	..	..	..
Retrieve ..	7.60	3.10	3	12	..
Hog Hole, S. Man.	8.69	2.62	4	9	..
Stone's Hope ..	8.89	1.85	3	10	8.37
Newport, Manchester ..	8.26	1.74	3	16	7.94
Great Valley, Man.	7.64	2.77	3	15	6.54
Alligator Pond ..	5.67	2.00	3	10	5.13
Fairfield ..	6.42	1.58	22	16	8.22
Southfield, St. Elizabeth ..	7.57	2.10	3	16	..
Lititz ..	8.00	1.90	3	14	..
Torrington ..	6.21	1.88	3	18	6.52
Bethlehem, St. Eliz.	7.38	1.80	9	17	7.32
Santa Cruz ..	10.19	2.04	26	18	9.77
Pedro Plains Police Stn. ..	1.86	0.67	3	6	4.11
Mountainside ..	..	..	..	..	..
Black River ..	..	..	..	..	..
Font Hill ..	..	..	..	..	..
Mount Edgecombe	7.89	1.39	9	20	8.28
Sweet River ..	10.85	2.20	15	22	7.87
Windsor Sav-la-Mar	7.39	1.73	14	14	7.49
Orchard ..	7.56	2.04	14	13	..
Sav.-la-Mar ..	6.26	1.32	14	13	7.09
Little London ..	11.68	5.00	2		..
Retreat ..	..	..	..	..	..
Negril Point L.H.	5.27	1.56	10	18	6.91

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	SEPTEMBER. 1921.	SEPTEMBER. Average.
	In.	In.
North-Eastern Division ...	9.63	8.48
Northern " ...	4.37	5.73
West-Central " ...	9.76	11.02
Southern ...	6.54	6.40
The Island ..	7.57	7.91

SHOCKS OF EARTHQUAKE IN SEPTEMBER, 1921.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt etc.
10	10.34 p.m.	I	Kingston & St. Andrew
10	10.30 p.m.	I	Manningsfield, Vere

The mean rainfall for the whole Island was just about the average, and fairly well distributed in each Division.

In the North-eastern Division there was a preponderance of rain on or about the 3rd, also about the 15th. In the Northern Division there was an excess on the 17th, as well as on the 29th. The West-central had heavier rains on the 3rd and 16th. Then the Southern Division had most of the rain on the 3rd, when two-thirds of the Stations had the greatest fall in 24 hours.

The greatest fall for the month, 23.88 inches, occurred at Moore Town, in Portland.

In 24 hours the greatest fall was reported as 8.90 inches at Fellowship, in Portland.

All Stations had some rain.

There was a fall of hail at Santa Cruz, in St. Elizabeth, on the 5th, at 2.40 p.m., lasting about 10 minutes. Also at the same place, on the 26th, at 3.30 p.m., lasting 15 minutes, accompanied by high wind.

WEATHER DISTURBANCE.

On the 8th Sept., the United States Weather Bureau sent an "Advisory" at 2 p.m. reporting "a tropical disturbance East of the Island of Trinidad at 8 a.m., probably moving West-northwest, caution advised throughout Eastern Caribbean Sea."

This storm continued on a W.N.W. track until the 11th when it curved northward over Haiti, and on towards Turks Island. Then north-easterly in the direction of Bermuda.

Much damage was reported from Trinidad and Tobago, as well as Turks Island. Shipping in the Caribbean and in the Atlantic suffered to some extent.

The lowest barometer reading at Kingston was 29.752 ins. at 9.30 a.m. on 11th, and at Morant Point 29.748 ins. at 10 a.m. on the 11th. In nearly all the Divisions there was an excess of rain a few days after the storm centre had passed East of Jamaica.

Warnings were issued during the passage of this storm.

J. F. BRENNAN,
Govt. Meteorologist.

Kingston, October 22nd, 1921.

No. 525.

LIBRARY
DEC 1 1921
Weather Bureau

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

OCTOBER, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m	7 a.m.	3p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.910	29.863	81.2	84.6	87.0	76.7	10.3	88.5	1*	71.0	28*	17.5
Kingston ..	24	29.894	29.836	75.3	84.3	88.1	72.7	15.4	91.6	3	67.9	30	23.7
Negril Pt. Light House	33	29.888	29.835	76.5	81.3	86.9	73.2	13.7	89.6	3*	69.6	31	20.0
Castleton Gardens ..	496	..	..	68.9	80.0	86.0	68.0	18.0	90	2	65	16	25
Hope Gardens† ..	668	29.918	29.826	74.3	79.7	87.3	68.2	19.1	90	2*	65	10	25
Stony Hill Indus. School	1,400	..	..	71.7	73.3	84.3	69.0	15.3	88	6*	68	1*	20
Kempshot ..	1,773	29.886	29.836	72.6	75.4	82.4	70.1	12.3	84.1	2*	68.3	17	15.8
Hill Gardens ..	4,900	25.247	25.206	63.0	65.4	68.6	57.2	11.4	71	4	56	12	15

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	73.5	77	73.3	69	4.67	..	ENE	10	E	10	1.6	1.8	1.2	1.0	2.8	1.0
Kingston	24	70.8	86	72.3	68	4.15	184	NE	6.5	SE	13.3	1.5	0.7	2.0	2.5	1.6	3.3
Negril Point Light House‡	33	71.7	85	74.3	72	7.56	241	E	9.7	SE	10.8	1.3	0.7	3.9	1.0	5.6	1.4
Castleton Gdns	496	65.3	84	73.7	82	13.34	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67.6	81	72.8	79	7.69	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	65.6	81	66.0	78	10.71	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	66.9	82	69.9	83	6.12	182	ESE	5.8	E	5.5	0.1	0.6	3.2	2.8	3.1	2.4
Hill Gardens	4,900	59.3	87	61.7	89	8.19	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. E. 8.9

THE RAINFALL.

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

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

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

North-Eastern Division.	Oct., 1921.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ..	22.92	4.00	28	18	17.28
Bath ..	12.52	2.70	20	19	..
Priestman's River	..	..	..	..	..
Moore Town ..	10.58	2.06	20	15	19.92
Port Antonio ..	4.71	1.10	5	14	15.19
Fellowship ..	6.05	1.31	17	14	17.63
Johnson River Bridge ..	14.30	2.60	20	21	..
Mt. Pleasant ..	..	..	..	..	..
Cedar Valley, St Thos. ..	14.25	2.90	20	18	14.30
Hill Gardens ..	8.19	1.50	20	23	17.20
Spring Garden ..	0.86	0.31	31	6	..
Buff Bay ..	0.75	0.28	31	5	10.15
Greenvale ..	2.79	1.10	12	7	11.60
Belvedere, Portland	0.36	0.14	7	4	..
Mt. Holstein ..	9.28	1.76	29	19	11.83
Rose Hill ..	21.72	3.00	2	14	16.32
Hardware Gap ..	..	..	..	..	..
Stony Hill Ind. Sch.	10.71	1.30	13	20	14.59
Castleton Gardens	13.34	2.08	31	18	14.65
Lawrence Tavern	13.55	3.06	12	22	12.28
Zion Hill ..	29.32	3.55	13	18	..
Agualta Vale ..	0.30	0.11	23	5	6.17
Water Valley ..	1.16	0.58	23	6	7.72
Platfield ..	5.61	0.92	17	17	..
Richmond, St. Mary	1.95	0.61	5	10	8.73
Hampstead, St. Mary	0.68	0.48	22	3	9.27
Windsor Castle ..	4.79	1.18	3	11	..
Guy's Hill ..	5.24	1.65	3	7	..
Lucky Hill ..	3.07	1.12	17	9	8.90
Rio Hoe ..	5.49	1.85	12	8	9.08
Unity Valley ..	8.42	2.01	12	19	9.22
Moneague ..	6.82	2.52	10	14	9.39
Claremont ..	5.40	2.70	5	5	8.63
Albion, St. Ann ..	11.33	3.56	11	15	8.95
Averham Park ..	6.78	2.16	12	15	11.51

Northern Division.	Oct., 1921.				
	Total fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ..	1.94	1.42	24	2	8.79
Ocho Rios ..	2.09	1.09	31	4	5.82
Bogue, Ocho Rios	4.62	1.25	6	7	6.62
Rockfield ..	4.40	1.45	12	8	..
Liberty Hill ..	4.32	1.56	28	8	6.57
St. Ann's Bay ..	2.50	1.04	5	5	6.93
Seville ..	..	..	..	..	..
Richmond Estate	..	..	..	..	..
Llandovery ..	0.25	0.25	27	1	7.14
Runaway Bay ..	0.20	0.20	12	1	..
Brown's Town ..	6.09	2.49	12	10	8.58
Alexandria ..	7.19	1.50	12	12	..
Watt Town, St. Ann	5.99	1.07	13	9	..
Richmond Pen ..	8.60	2.00	13	9	7.92
Bryan Castle ..	2.80	1.80	6	6	5.64
Braco ..	1.48	1.48	6	1	5.25
Harmony Hall ..	1.86	0.70	6	6	5.30
Georgia ..	..	..	..	..	..
Clark's Town ..	..	..	..	..	..
Falmouth ..	3.77	1.34	14	10	5.42
Good Hope ..	9.40	2.00	24	13	..
Hampden ..	6.12	0.92	17	12	7.19
Guilsbro ..	..	..	..	..	..
Success ..	2.68	0.90	17	8	..
Cinnamon Hill ..	3.07	1.50	17	9	..
Rose Hall ..	3.04	1.10	17	7	..
Tryall ..	3.98	1.56	17	10	..
Running Gut ..	3.31	1.30	17	7	..
Spring Estate ..	3.64	1.76	17	6	..
Montego Bay ..	6.04	1.15	3	18	7.65
Friendship ..	7.19	1.53	5	11	..
Retirement ..	4.69	1.05	3	13	..
King Gate ..	2.97	0.70	14	9	9.60
Blue Hole ..	5.04	2.60	18	7	..
Kew ..	8.37	1.94	17	18	7.80
Haughton Court ..	7.50	1.55	9	16	6.85
Lucea ..	4.72	2.13	16	17	8.08
Green Island ..	6.78	3.35	5	10	..
Central Sub-Division					
Rio Magno ..	16.12	2.50	13	17	..
Headworks, Rio Cobre ..	6.14	1.92	29	8	9.20
Linstead ..	5.10	1.30	24	10	..
Berkshire Hall ..	5.41	0.96	15	15	6.72
Point Hill ..	..	..	..	..	..
Bellas Gate ..	..	..	..	..	..
Croft Hill ..	..	..	..	..	..
Chapelton ..	12.76	1.62	10	19	12.15
Crooked River ..	..	..	..	..	..
Trout Hall ..	..	..	..	..	..
Frankfield ..	13.32	1.70	25	17	..

West-Central Division.	Oct., 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	13.50	2.07	19	21	13.43
Spaldings	9.06	1.81	13	25	..
Brokenhurst	13.59	1.70	21	21	11.12
Christiana	7.55	2.58	13	19	11.47
Chudleigh	6.17	2.30	13	18	10.70
Shooter's Hill	9.08	1.20	12	20	12.21
Kendal, Manchester	10.07	1.40	28	18	14.08
Clifton Hill	15.91	2.67	12	17	..
Marshalls Pen	8.76	1.29	21	14	12.25
Mandeville	13.50	2.30	21	21	15.28
Carlton, Mandeville	13.33	2.35	12	17	15.28
Retford	..	..	..	..	..
Somerset	..	..	..	..	..
Ulster Spring	..	..	..	..	..
Broadleaf Water	8.99	1.95	15	17	..
Freeman's Hall	..	..	..	..	..
Albert Town	..	..	..	..	..
Lowe River	..	..	..	..	..
Troy	5.54	1.00	1	13	15.91
Windsor Pen, Trel.					
Balaclava Police Station	5.60	2.72	12	11	12.73
Wallingford	9.12	2.25	12	17	13.18
Magotty	9.52	1.89	21	10	14.07
Springfield, St. Elizabeth	14.92	2.36	28	20	..
Chesterfield, St. James	..	..	..	..	..
Kempshot	6.12	1.95	15	18	9.44
Cambridge, St. James	8.17	2.09	10	17	..
Ducketts	..	..	..	..	..
New Market, Police Stn.	11.10	1.64	9	16	..
The Bog, New Market	..	..	..	..	..
Bethel Town	10.10	3.04	10	13	..
Montpelier	8.00	2.65	14	11	..
Ramble	6.88	1.30	15	16	..
Burnt Ground	11.45	2.50	14	22	11.16
Knockalva	9.53	2.12	13	16	..
Petersville	8.47	..	29	15	11.55
Darliston	7.85	1.23	16	20	15.19
Bluefields	8.86	1.66	9	6	..
Whithorn	5.23	1.10	3	9	12.54
Water Works Pen	8.84	1.52	11	23	...
Askenish	14.18	2.02	18	17	..
Grange Hill	15.13	2.98	6	15	12.71
King's Vale Police Stn.	5.54	1.35	5	13	9.79

Southern Division.	Oct., 1921. Total Fall	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	4.67	1.44	20	16	11.66
Pleasant Hill	5.99	1.97	20	17	..
East Prospect	5.00	1.65	20	17	12.58
Morant Bay	6.21	1.11	5	15	..
Easington	7.54	1.17	20	15	..
Bull Bay	0.00	..	..	0	8.24
Bellevue	6.04	1.66	20	13	..
Gordon Town	7.42	1.61	12	16	13.00
Irish Town	..	..	..	..	..
Hope Gardens	7.69	1.97	10	..	9.74
King's House Gar.	5.29	2.90	29	..	9.07
Melrose	4.00	2.08	29	7	..
Half way Tree	4.49	2.00	29	6	8.56
Lunatic Asylum	2.27	0.91	20	9	6.86
S. Camp Road	3.72	1.55	29	7	5.91
Kingston P.W.O.	4.15	2.45	20	10	7.46
Plumb Point L.H.	7.91	1.83	29	13	7.21
Clifton Pen	5.15	4.04	29	5	7.23
Quarantine Station	4.62	2.30	29	7	5.15
Spanish Town	..	..	..	..	..
Hog Hole, St. Catherine	4.55	2.32	29	7	9.33
Hartlands	5.21	1.67	20	7	7.57
Belmont, Guanaboa Vale	..	..	..	..	..
Old Harbour	..	..	..	..	..
May Pen	8.62	3.30	29	15	10.61
Maysville	..	..	..	..	..
Dry River, Vere	..	..	..	..	..
Toll Gate	..	..	..	..	..
New Yarmouth	4.06	0.52	19	15	8.74
Exeter	..	..	..	..	..
Milk River	..	..	..	..	..
Retrieve	6.43	1.63	12	13	..
Hog Hole, S. Man.	..	..	..	..	..
Stone's Hope	8.86	2.24	20	14	12.43
Newport, Manchester	10.83	1.90	22	19	12.04
Great Valley, Man.	5.18	1.63	20	13	10.67
Alligator Pond	3.38	1.12	21	8	7.64
Fairfield	4.89	0.80	19	19	10.62
Southfield, St. Elizabeth	5.10	2.00	22	9	..
Lititz	4.81	1.10	21	9	..
Torrington	6.30	1.61	29	13	10.57
Bethlehem, St. Eliz.	5.53	1.05	30	15	11.41
Santa Cruz	4.73	1.10	10	12	12.21
Pedro Plains Police Stn.	2.19	1.00	21	4	5.37
Mountainside	..	..	..	..	..
Black River	2.52	0.99	21	7	8.38
Font Hill	3.75	1.20	21	11	8.78
Mount Edgecombe	5.74	1.23	21	20	9.84
Sweet River	9.22	2.00	4	20	9.64
Windsor Sav-la-Mar	4.90	1.55	4	8	8.08
Orchard	6.46	2.38	4	14	..
Sav.-la-Mar	5.29	2.17	10	11	8.54
Little London	9.60	3.58	10	10	..
Retreat	10.45	3.48	10	12	10.07
Negril Point L.H.	7.56	1.57	10	15	8.11

NOTES.

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

Divisional and Island Rainfall.	October. 1921.	October. Average.
	In.	In.
North-Eastern Division ...	7.92	12.34
Northern " ...	4.78	7.46
West-Central " ...	9.27	12.19
Southern ...	5.47	9.56
The Island ...	6.86	10.39

Shocks of Earthquake in October, 1921.

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

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

For the past ten months the total fall was 74.53 inches as against an average of 62.02 inches, shewing a little over 12 inches in excess of the average, so far.

In the North-eastern and Northern Division the rains were equally distributed. But in the West-central there were instances of greatest falls in 24 hours occurring between the 10th, and 15th and in the Southern Division about the 10th 20th and 29th.

The greatest fall for the month, 29.32 inches, occurred at Zion Hill in the North-eastern Division.

In 24 hours the greatest fall was reported as 4.04 inches at Clifton Pen, in the Southern Division, and followed by 4.00 inches at Bath in St. Thomas.

All stations had some rain except Bull Bay.

Weather Disturbances.

The weather was disturbed to the westward of Jamaica from about the 21st. A weather disturbance was reported some distance South-east of Swan Island on 22nd, moving north-westerly, proceeding on a track through Pinar del Rio, Western Cuba, in the forenoon of the 24th and thence through Florida on the 25th, causing much damage.

Warnings were issued in Jamaica.

J. F. Brennan,
Govt. Meteorologist.

Kingston, November 19th, 1921.

LIBRARY
JAN 26 1922
Weather Bureau

No. 526.

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

NOVEMBER, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m	7 a.m.	3p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.973	29.879	79.5	83.5	85.2	75.5	9.7	87.0	1*	67.0	21	20.0
Kingston	24	29.955	29.890	71.8	84.6	87.6	70.7	16.9	90.2	9	66.7	17	23.5
Negril Pt. Light House	33	29.943	29.886	74.4	84.0	88.0	71.0	17.0	91.9	9	66.4	17	25.5
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens†	668	..	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	..	..	71.0	75.5	84.9	68.4	16.5	88	1*	66	19*	22
Kempshot	1,773	29.969	29.916	69.8	73.8	78.3	68.7	9.6	83.2	22	65.9	21	17.3
Hill Gardens	4,900	..	..	..	..	..	..	..	..	..	..	..	..

Stations.	Elevation	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind. direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	72.4	79	72.0	69	3.64	..	NNE	14	NE	13	2.3	1.7	0.9	1.0	2.8	0.5
Kingston	24	67.5	86	71.3	65	0.14	150	NE	4.9	SE	12.9	1.1	0.5	2.2	2.7	2.9	0.7
Negril Point Light House‡	33	69.2	84	72.8	69	2.44	189	NE	7.4	Var.	8.7	0.9	1.4	4.4	1.9	4.0	0.5
Castleton Gdns	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	65.6	80	67.5	76	2.77	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	66.4	89	68.6	84	5.19	150	E	5.8	NE	5.0	2.1	1.6	1.9	4.1	3.6	0.3
Hill Gardens	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡Negril Point Light House. Wind 11 p.m. N.E. 6.7

THE RAINFALL.

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

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

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

NORTH-EASTERN DIVISION.	Nov., 1921.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Manchioneal	6.17	2.55	12	7	15.25
Bath	7.12	1.05	12	17	15.19
Priestman's River	..	..	..	..	..
Moore Town	13.25	2.86	30	12	34.05
Port Antonio	5.86	0.91	29	15	16.09
Fellowship	9.08	2.20	30	22	27.59
Johnson River Bridge	3.45	1.35	12	10	9.55
Mt. Pleasant	..	..	..	..	..
Cedar Valley, St Thos.	1.75	0.76	30	5	14.64
Hill Gardens	5.64	1.54	23	9	16.16
Spring Garden	5.63	1.80	30	14	..
Buff Bay	6.70	4.35	30	12	15.63
Greenvale	21.74	7.39	30	14	32.26
Belvedere, Portland	9.94	4.75	30	16	..
Mt. Holstein	11.13	5.31	30	15	23.05
Rose Hill	3.97	0.95	16	7	15.45
Hardware Gap	1.60	..	..	..	16.71
Stony Hill Ind. Sch.	2.77	0.80	24	11	8.22
Castleton Gardens	9.46	2.17	30	12	16.52
Lawrence Tavern	4.42	0.80	16	7	9.87
Zion Hill	7.29	2.54	2	6	..
Agualta Vale	7.33	3.08	30	17	11.65
Water Valley	6.26	2.85	30	18	10.79
Platfield	7.34	3.47	2	11	..
Richmond, St. Mary	6.26	3.00	30	14	12.06
Hampstead, St. Mary	10.48	4.50	30	3	19.57
Windsor Castle	11.85	2.70	2	14	..
Guy's Hill	4.16	1.00	4	6	..
Lucky Hill	8.77	3.63	30	11	16.28
Rio Hoe	6.27	1.50	30	6	10.66
Unity Valley	3.07	0.75	30	12	10.38
Moneague	4.85	1.05	1	13	12.07
Claremont	6.59	3.80	29	5	12.57
Albion, St. Ann	7.33	2.06	23	13	10.57
Averham Park	8.02	2.05	30	12	13.50

NORTHERN DIVISION.	Nov., 1921.				
	Total fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In			In.
Port Maria	6.19	1.85	30	16	11.30
Ocho Rios	5.15	2.50	2	9	10.73
Bogue, Ocho Rios	5.48	2.30	2	11	14.22
Rockfield	6.66	1.90	2	12	..
Liberty Hill	4.11	1.80	2	7	12.66
St. Ann's Bay	7.48	1.78	2	12	10.13
Seville	..	..	..	..	..
Richmond Estate	..	..	..	..	..
Llandovery	5.56	1.22	3	9	10.01
Runaway Bay	2.51	1.03	2	5	..
Brown's Town	4.49	1.40	23	11	12.12
Alexandria	4.33	0.90	1	10	..
Watt Town, St. Ann	1.75	0.90	28	4	..
Richmond Pen	2.04	0.60	17	7	6.66
Bryan Castle	2.60	0.50	30	10	6.92
Braco	3.90	1.85	1	9	6.32
Harmony Hall	2.76	0.75	1	12	6.47
Georgia	..	..	..	..	..
Clark's Town	..	..	..	..	..
Falmouth	1.10	0.30	2	7	5.26
Good Hope	2.45	1.08	28	8	..
Hampden	2.49	0.86	28	10	6.00
Guilsbro	4.08	1.89	3	11	6.85
Success	..	..	..	..	..
Cinnamon Hill	..	..	..	..	..
Rose Hall	..	..	..	..	..
Tryall	..	..	..	..	..
Running Gut	..	..	..	..	..
Spring Estate	..	..	..	..	..
Montego Bay	4.58	1.30	23	9	5.27
Friendship	5.01	2.35	23	9	..
Retirement	4.35	2.05	2	7	..
King Gate	2.05	1.15	23	4	5.54
Blue Hole	6.51	1.25	24	4	..
New	..	..	..	..	..
Haughton Court	3.00	0.95	13	7	4.54
Lucea	2.96	1.75	23	7	6.05
Green Island	3.10	1.40	13	7	..
CENTRAL SUB-DIVISION					
Rio Magno	7.05	2.50	3	6	..
Headworks, Rio Cobre	1.16	0.57	29	3	5.11
Linstead	3.37	1.09	3	11	6.82
Berkshire Hall	3.49	0.93	23	8	8.50
Point Hill	10.21	2.40	13	13	11.22
Bellas Gate	3.95	1.65	19	5	..
Croft Hill	..	..	..	..	..
Chapelton	2.99	0.72	29	14	4.90
Crooked River	..	..	..	..	..
Trout Hall	..	..	..	..	..
Frankfield	6.41	1.25	6	6	..

West-Central Division.	Nov., 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	..	..	..	..	..
Spaldings	2.11	0.50	12	12	..
Brokenhurst	3.05	0.65	24	12	7.94
Christiana	2.22	0.70	12	8	6.98
Chudleigh	1.31	0.32	23	16	8.34
Shooter's Hill	2.83	0.89	24	15	8.37
Kendal, Manchester	3.15	1.23	24	16	7.08
Clifton Hill	5.84	2.20	21	7	..
Marshalls Pen	2.78	0.84	25	11	6.98
Mandeville	5.03	1.78	24	12	7.47
Carlton, Mandeville	5.46	1.87	24	11	7.47
Retford	..	..	..	..	..
Somerset	..	..	..	..	..
Ulster Spring	..	..	..	..	..
Broadleaf Water	3.96	1.38	1	14	..
Freeman's Hall	..	..	..	..	..
Albert Town	..	..	..	..	..
Lowe River	..	..	..	..	..
Troy	6.00	1.75	27	8	6.66
Windsor Pen, Trel.					
Balaclava Police Station	5.44	1.45	29	12	6.30
Wallingford	6.92	2.07	2	17	7.39
Magotty	6.13	1.31	30	7	7.08
Springfield, St. Elizabeth	8.21	2.40	24	14	..
Chesterfield, St. James	..	..	..	..	..
Kempshot	5.19	1.64	24	15	6.64
Cambridge, St. James	5.70	1.65	23	9	..
Kew Park	4.26	1.37	29	10	5.70
New Market, Police Stn.	7.80	1.26	24	15	..
The Bog, New Market	9.62	2.00	29	13	..
Bethel Town	5.50	0.90	2	7	..
Montpelier	2.90	1.30	23	5	..
Ramble	7.52	2.00	28	11	..
Burnt Ground	5.19	1.35	10	11	6.01
Knockalva	5.65	1.75	23	9	..
Petersville	3.80	0.50	15	13	6.64
Darliston	4.99	1.16	26	15	7.3
Bluefields	3.16	0.90	24	6	6.57
Whithorn	2.40	1.10	24	10	6.39
Water Works Pen	3.64	1.25	23	10	..
Askenish	3.65	1.00	29	9	..
Grange Hill	1.65	0.45	14	7	5.74
King's Vale Police Stn.	3.40	2.35	29	7	5.55

Southern Division.	Nov., 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	3.64	1.00	22	15	8.24
Pleasant Hill	4.73	1.00	14	14	..
East Prospect	5.63	1.25	12	11	11.88
Morant Bay	3.61	1.88	13	11	7.28
Easington	1.75	1.16	24	6	6.02
Bull Bay	0.00	..	..	..	3.41
Bellevue	5.93	2.75	23	9	..
Gordon Town	2.91	1.53	23	8	9.79
Irish Town	1.40	..	..	..	10.16
Hope Gardens	..	..	..	..	..
King's House Gar.	..	..	..	..	..
Melrose	1.19	0.37	30	9	..
Half-way Tree	1.18	0.47	30	5	4.40
Lunatic Asylum	0.56	0.20	18	5	3.54
S. Camp Road	0.32	0.10	30	8	..
Kingston P.W.O.	0.14	0.04	11	6	3.03
Plumb Point L.H.	0.28	0.21	18	4	2.56
Clifton Pen	0.00	..	..	..	6.28
Quarantine Station	0.55	0.50	25	2	3.03
Spanish Town	0.33	0.17	18	2	3.90
Hog Hole, St. Catherine	1.21	0.64	26	4	4.80
Hartlands	2.71	0.90	3	5	5.69
Belmont, Guanaboa Vale	..	..	..	..	..
Old Harbour	1.25	0.50	3	6	4.81
May Pen	2.79	0.90	25	11	4.92
Maysville	..	..	..	..	..
Dry River, Vere	3.00	1.50	25	3	6.39
Toll Gate	2.95	2.05	23	5	..
New Yarmouth	1.07	0.52	29	5	3.93
Exeter	..	..	..	..	..
Milk River	2.61	1.75	24	3	5.97
Retrieve	1.50	0.67	24	5	..
Hog Hole, S. Man.	2.62	2.02	24	1	..
Stone's Hope	2.39	0.87	24	8	5.84
Newport, Manchester	2.56	0.49	24	10	7.48
Great Valley, Man.	2.65	1.47	24	10	4.89
Alligator Pond	1.43	0.50	24	4	3.70
Fairfield	4.45	1.20	4	11	7.17
Southfield, St. Elizabeth	4.00	1.64	24	9	..
Lititz	3.84	1.29	24	9	..
Torrington	3.36	1.51	30	8	6.93
Bethlehem, St. Eliz.	5.09	1.80	24	10	7.36
Santa Cruz	5.74	1.12	11	10	6.19
Pedro Plains Police Stn.	0.70	0.42	30	3	4.35
Mountainside	..	..	..	..	..
Black River	4.02	1.10	12	10	4.34
Font Hill	1.50	0.65	30	7	4.79
Mount Edgecombe	3.71	1.58	27	13	4.94
Sweet River	3.55	0.85	2	8	3.92
Windsor Sav-la-Mar	5.45	1.50	3	9	3.79
Orchard	4.82	1.58	23	9	..
Sav.-la-Mar	5.63	2.47	3	9	3.86
Little London	..	..	..	..	..
Retreat	3.85	1.96	3	5	4.98
Negril Point L.H.	2.44	0.84	30	12	4.30

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	NOVEMBER. 1921.	NOVEMBER. Average.
	In.	In.
North-Eastern Division ...	7.01	16.22
Northern " ...	3.97	6.74
West-Central " ...	4.52	6.48
Southern ...	2.50	5.35
The Island ..	4.50	8.70

SHOCKS OF EARTHQUAKE IN NOVEMBER, 1921.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt etc.
18	4.45 a.m.	I	Kingston
"	5.00 "	I	Guys' Hill
"	4.51 "	I	Unity Valley
"	4.3 " (?)	I	Albion, St. Ann
"	5.02 "	II	Manningsfield, Vere
"	5.00 "	I	Mandeville
"	4.52 "	I	Negril
25	1.15 p.m.	II	Manchioneal*
	— ?	I	P.G. River
"	1.17 p.m.	III	Kingston
"	1.17 "	III	Stony Hill*
"	1.15 "	III	Port Maria*
"	1.15 "	III	Spanish Town*
"	1.20 "	II	Ewarton*
"	1.15 "	III	May Pen*
"	1.20 "	II	Chapelton
"	1.15 "	II	Unity Valley
"	1.17 "	II	Albion
"	1.20 "	III	Mandeville
"	1.25 "	III	Black River*
"	1.17 "	I	Montego Bay

*From the Daily Gleaner of November 26th.

The mean rainfall for the whole Island was about one-half of the average for the month.

In the North-eastern Division there was a marked preponderance of rain on the 30th. In the Northern Division excesses were noted on or about the 2nd and 23rd. In the West-central Division these occurred on the 23rd and 24th. Then in the Southern Division excesses were recorded on the 24th, and somewhat to a lesser extent on the 30th.

The greatest fall for the month, 21.74 inches, occurred at Greenvale, in the North-eastern Division.

In 24 hours the greatest fall was reported as 7.59 inches, also at Greenvale.

No rain fell at Bull Bay and at Clifton Pen, in the Southern Division.

EARTHQUAKES.

There were two earthquakes experienced nearly throughout the Island. The shock of the 18th was of slight intensity. But the shock of the 25th was of somewhat unusual intensity: causing alarm among many persons. The given times of occurrence, as shewn in table above, may be accepted with some reserve in a few instances, as probably Standard time was not accessible to the observers.

J. F. BRENNAN,
Govt. Meteorologist.

Kingston, December 26th, 1921.

No. 527.

LIBRARY
FEB 28 1922
Weather Bureau

JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

DECEMBER, 1921.

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

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

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

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m	7 a.m.	3p.m	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.983	29.939	78.4	81.6	83.3	74.6	8.7	86.0	3	67.0	11	19.0
Kingston ..	24	29.965	29.904	6[illegible].9	83.9	86.6	69.2	17.4	90.0	9	66.2	31	23.8
Negril Pt. Light House	33	29.964	29.902	72.0	82.6	8[illegible].9	68.8	17.1	89.9	9	6[illegible]9	22	25.0
Castleton Gardens ..	496	..	..	68.5	78.5	81.7	67.6	14.1	85	5*	62	6	23
Hope Gardens† ..	668	29.987	29.896	69.5	82.1	85.6	67.3	18.3	89	15	62	30	27
Stony Hill Indus. School	1,400	..	..	68.5	71.8	85.6	67.8	17.8	89	26	66	16*	23
Kempshot .	1,773	29.974	29.938	69.0	74.3	77.7	67.4	10.3	82.1	10	65.2	15*	16.9
Hill Gardens ..	4,900	25.230	25.199	61.5	63.5	66.6	54.8	11.8	68	7	53	9*	15

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind. direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	Mls.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	70.3	76	70.1	68	5.26	..	N	16.0	N	16.4	1.6	1.7	0.9	1.1	2.3	1.0
Kingston	24	65.9	87	69.2	61	1.17	136	NNE	5.5	SSE	8.0	1.5	1.0	1.5	3.3	1.9	1.2
Negril Point Light House‡	33	66.7	83	68.8	63	1.27	225	NE	8.2	N	13.6	0.7	0.9	2.2	1.0	3.5	1.1
Castleton Gdns	496	66.5	93	72.2	78	19.13	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	62.8	78	68.4	63	1.61	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Indus. School	1,400	62.6	82	64.6	78	3.62	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	65.6	89	66.9	78	1.55	..	E	8.4	NE	6.8	1.8	1.5	2.2	0.6	3.1	2.2
Hill Gardens	4,900	57.3	87	59.7	87	12.97	..	..	..	..	..	..	..	..	..	..	..

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

THE RAINFALL.

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

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

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

North-Eastern Division.	Dec., 1921.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Manchioneal ..	4.59	1.75	15	10	..
Bath ..	14.76	5.00	14	20	9.21
Priestman's River	4.01	1.38	15	4	..
Moore Town ..	25.52	5.05	17	19	26.08
Port Antonio ..	5.42	0.67	19	19	13.57
Fellowship ..	..	..	..	..	..
Johnson River Bridge ..	4.82	2.50	15	13	5.24
Cedar Valley, St Thos. ..	6.69	4.32	15	7	5.17
Hill Gardens ..	12.97	5.04	15	10	16.30
Spring Garden ..	7.11	1.22	15	18	..
Buff Bay ..	9.40	3.09	14	14	12.66
Greenvale ..	20.67	3.60	16	16	25.12
Belvedere, Portland	8.99	1.50	14	17	..
Mt. Holstein ..	44.12	8.23	22	23	18.45
Rose Hill ..	13.50	6.26	15	9	5.04
Hardware Gap ..	0.00	..	..	..	..
Stony Hill Ind. Sch.	3.62	1.85	15	12	4.19
Castleton Gardens	19.13	4.85	31	23	13.09
Lawrence Tavern	6.70	3.00	25	10	4.85
Zion Hill ..	6.15	2.50	6	6	..
Agualta Vale ..	4.48	1.03	7	15	10.44
Water Valley ..	3.69	0.72	8	16	10.30
Flatfield ..	9.04	2.70	17	12	8.15
Richmond, St. Mary	8.60	1.28	16	17	10.35
Hampstead, St. Mary	7.82	0.98	23	15	14.54
Windsor Castle ..	13.01	1.88	17	17	..
Guy's Hill ..	..	..	..	..	..
Lucky Hill ..	7.64	1.50	26	16	12.12
Rio Hoe ..	8.18	1.50	21	13	8.82
Unity Valley ..	7.98	1.19	1	21	7.55
Moneague ..	8.34	1.08	25	19	7.44
Claremont ..	..	..	..	..	..
Albion, St. Ann ..	6.60	0.96	17	20	8.30
Averham Park ..	11.50	1.40	15	18	10.73

Northern Division.	Dec., 1921.				
	Total fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
	In.	In.			In.
Port Maria ..	9.68	2.98	14	14	8.91
Ocho Rios ..	6.75	2.05	1	12	6.67
Bogue, Ocho Rios	9.72	2.20	11	9	8.51
Rockfield ..	11.13	2.22	1	16	9.28
Liberty Hill ..	6.41	2.11	2	13	8.84
St. Ann's Bay ..	6.37	1.70	1	14	7.84
Seville ..	..	..	..	..	..
Richmond Estate	5.42	2.20	1	18	8.58
Llandovery ..	5.56	2.03	1	13	8.34
Runaway Bay ..	3.52	1.44	1	8	..
Brown's Town ..	9.32	2.40	16	17	8.72
Alexandria ..	3.44	0.95	25	11	..
Watt Town, St. Ann	3.16	0.95	2	7	..
Richmond Pen ..	4.80	1.25	26	9	4.94
Bryan Castle ..	2.60	0.43	26	12	6.58
Braco ..	2.10	0.30	8	11	5.92
Harmony Hall ..	2.76	0.82	15	15	6.26
Falmouth ...	2.25	0.53	15	14	4.92
Good Hope ..	4.32	0.87	17	11	..
Hampden ..	2.69	0.62	1	11	..
Guilsbro ..	..	..	..	..	..
Success ..	..	..	..	..	..
Cinnamon Hill ..	..	..	..	..	..
Rose Hall ..	..	..	..	..	..
Tryall ..	..	..	..	..	..
Running Gut ..	..	..	..	..	..
Spring Estate ..	..	..	..	..	..
Montego Bay ..	1.61	0.50	16	6	4.79
Friendship ..	2.18	0.97	16	6	..
Retirement ..	1.91	0.65	17	6	..
King Gate ..	0.56	0.26	26	4	4.12
Blue Hole ..	1.05	0.55	1	2	..
Kew ..	0.81	0.28	11	6	3.39
Haughton Court ..	1.75	0.50	1	6	3.51
Lucea ..	1.70	0.60	1	7	3.74
Green Island ..	1.13	0.70	1	3	..
Central Sub-Division					
Rio Magno ..	..	..	..	..	..
Headworks, Rio Cobre ..	0.17	0.11	2	2	2.08
Linstead ..	..	..	..	..	..
Berkshire Hall ..	6.63	1.67	17	15	3.57
Point Hill ..	..	..	..	..	..
Bellas Gate ..	..	..	..	..	..
Croft Hill ..	..	..	..	..	..
Chapelton ..	..	..	..	..	..
Frankfield ..	0.85	0.45	26	2	..

West-Central Division.	Dec., 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mocho, Clarendon	..	..	..	..	..
Spaldings	1.67	0.59	26	10	..
Brokenhurst	2.29	1.47	11	6	3.38
Christiana	0.55	0.20	26	5	3.52
Chudleigh	0.92	0.29	26	11	2.81
Shooter's Hill	0.90	0.52	11	3	2.99
Kendal, Manchester	0.73	0.31	2	4	2.90
Clifton Hill	3.50	3.50	3	1	..
Marshalls Pen	0.38	0.26	3	2	3.37
Mandeville	0.61	0.37	2	6	3.34
Carlton, Mandeville	0.48	0.25	2	3	3.34
Ulster Spring	..	..	..	..	..
Broadleaf Water	2.01	0.48	25	13	..
Freeman's Hall	..	..	..	..	..
Albert Town	..	..	..	..	..
Lowe River	..	..	..	..	..
Troy	0.00	..	..	0	3.74
Balaclava Police Station	0.36	0.20	3	3	2.61
Wallingford	0.39	0.23	3	2	2.68
Magotty	0.92	0.75	20	2	3.13
Springfield, St. Elizabeth	2.27	1.38	4	5	..
Kempshot	1.55	0.98	26	5	5.58
Cambridge, St. James	1.22	0.30	23	7	..
Kew Park	0.71	0.22	4	6	2.69
New Market, Police Stn.	1.64	0.51	19	8	..
The Bog, New Market	2.39	0.90	20	6	..
Bethel Town	1.12	0.50	11	4	..
Montpelier	1.40	1.40	26	1	..
Ramble	3.33	1.50	2	6	..
Burnt Ground	1.88	1.00	26	5	3.31
Knockalva	1.71	0.56	2	6	..
Petersville	2.88	1.00	20	5	2.80
Darliston	1.85	0.57	2	7	3.32
Bluefields	2.60	1.60	17	2	2.53
Whithorn	0.92	0.50	11	5	2.78
Water Works Pen	2.28	0.71	20	7	..
Askenish	0.73	0.26	11	6	..
Grange Hill	1.96	0.90	3	6	3.20
King's Vale Police Stn.	1.05	0.70	17	2	3.48

Southern Division.	Dec., 1921. Total Fall.	Greatest fall in 24 hours. Amount.	Greatest fall in 24 hours. Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.H.	5.26	3.13	14	11	6.11
Pleasant Hill	7.65	5.05	15	5	..
East Prospect	8.36	3.10	15	10	5.09
Morant Bay	4.63	2.42	15	8	4.32
Easington	0.90	0.85	15	2	3.14
Bull Bay	0.00	..	..	0	1.41
Bellevue	4.46	3.03	15	15	2.95
Gordon Town	2.59	1.53	23	10	3.34
Irish Town	3.20	..	..	..	3.63
Hope Gardens	1.61	..	..	..	2.82
King's House Gar.	0.89	..	..	..	2.12
Melrose	0.64	0.29	17	4	..
Half-way Tree	0.57	0.34	17	3	1.99
Lunatic Asylum	0.59	0.30	15	3	1.86
S. Camp Road	0.70	0.33	15	5	1.43
Kingston P.W.O.	1.17	0.55	18	5	1.59
Plumb Point L.H.	0.59	0.35	15	5	1.48
Clifton Pen	0.77	0.65	12	2	1.45
Quarantine Station	0.24	0.14	16	2	1.17
Spanish Town	..	..	..	..	..
Hog Hole, St. Catherine	1.81	1.68	21	2	2.14
Hartlands	0.10	0.10	18	1	2.32
Old Harbour	..	..	..	..	..
May Pen	..	..	..	..	..
Dry River, Vere	..	..	..	..	..
Toll Gate	..	..	..	..	..
New Yarmouth	0.75	0.57	17	3	1.87
Exeter	1.00	0.60	2	..	..
Milk River	..	..	..	..	..
Retrieve	1.56	0.73	20	6	..
Hog Hole, S. Man.	..	..	..	..	..
Stone's Hope	1.88	0.93	15	6	2.82
Newport, Manchester	0.67	0.32	15	4	3.62
Great Valley, Man.	1.08	0.30	19	7	2.68
Alligator Pond	0.38	0.20	29	3	2.40
Fairfield	0.41	0.10	2	6	3.16
Southfield, St. Elizabeth	0.86	0.43	11	3	..
Lititz	0.71	0.53	18	3	1.53
Torrington	1.77	0.62	19	8	2.66
Bethlehem, St. Eliz.	0.74	0.26	20	6	2.77
Santa Cruz	2.48	1.80	20	7	2.84
Pedro Plains Police Stn.	0.20	0.12	19	2	1.64
Mountainside	1.15	0.66	19	2	..
Black River	2.20	0.88	20	4	2.31
Font Hill	0.95	0.45	20	3	2.04
Mount Edgecombe	1.96	1.02	20	7	2.36
Sweet River	2.50	1.40	17	4	2.35
Windsor Sav-la-Mar	2.00	0.62	17	7	2.35
Orchard	1.80	0.75	20	7	..
Sav.-la-Mar	1.46	0.52	17	6	2.07
Little London	1.54	0.83	17	6	..
Retreat	1.30	0.75	17	3	2.41
Negril Point L.H.	1.27	0.50	2	8	2.11

NOTES.

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

DIVISIONAL AND ISLAND RAINFALL.	DECEMBER. 1921.	DECEMBER. Average.
	In.	In.
North-Eastern Division ...	11.33	11.22
Northern " ..	4.67	5.52
West-Central " ...	1.14	3.64
Southern ...	1.66	2.49
The Island ..	4.70	5.72

SHOCKS OF EARTHQUAKE IN DECEMBER, 1921

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

The mean rainfall for the month for the Island was about four-fifths of the average.

The North-eastern Division had its average. Then the Northern was slightly below. The West-central was less than one-third. The Southern had about two-thirds.

Mount Holstein had a phenomonal record of 44.12 inches, and Moore Town 25.52 inches, for the month.

The greatest fall for the month was at Mount Holstein, in the North-eastern Division.

In 24 hours the greatest fall was reported as 8.23 inches on the 22nd, at Mount Holstein.

Rain fell at all the stations reporting excepting Troy, Bull Bay and Hardware Gap.

Most of the rain fell between the 12th and 23rd in the North-eastern Division. The Northern Division had greater falls on the 1st as well as on the 26th. In the West-central greater falls occurred on the 2nd, 11th and 26th. Then in the Southern Division there was a preponderance between the 15th and 20th, very little rain fell upon the remaining dates.

Mr. Chas. Durrant reports from Morant Point Light House that there was a wet Norther on the 16th and 17th: average force 30 to 35 miles per hour.

On the 15th the wind had been veering between N.W. and N.E. and at 12 10 a.m. a violent squall (estimated at 60 miles per hour) from N.E. was experienced, lasting 10 minutes with heavy rain and thunderstorm. After the squall the wind settled down to an ordinary "Norther" as stated above.

The sea on the eastern coast was moderately rough.

"Northers" were felt also in some of the other parishes to a lesser extent.

The Island rainfall in inches for the year 1921 is tabulated as follows :—

Month.	N.E.	N.	W.C.	S.	The Island Rainfall.	The Island Average.
January ..	23.79	10.82	5.85	3.04	10 87	4.10
February ..	13.11	5.39	7.18	3.20	7.22	3.06
March ..	9.10	3.20	8.14	4.72	6.29	3.42
April ..	6.79	3.39	10.90	4.66	6.44	5.03
May ..	12.23	9.34	17.27	11.13	12.49	9.12
June ..	6.74	3.44	7.75	4.19	5.53	7.18
July ..	4.50	1.99	7.09	3.02	4.15	4.90
August ..	8.85	4.75	9.98	4.89	7.12	6.93
September ..	9.63	4 37	9.76	6.54	7.57	7.91
October ..	7.92	4.78	9.27	5 47	6.86	10.39
November ..	7.01	3 97	4.52	2.50	4.50	8.70
December ..	11.33	4.67	1.14	1.66	4.70	5.72
Total ..	121.00	60.11	98.85	55.02	83.74	76.46

The rainfall for the whole Island was nine per cent. above the average, representing an excess of about seven inches. The North-eastern Division shews 16 per cent. excess The Northern only 4 per cent. Then the West-central gave 11 per cent., and the Southern was just a little above the average.

For the first six months the rainfall exceeded the average by 15 inches. But during the latter six months there was a deficiency of 8 inches.

J. F. BRENNAN,
Govt. Meteorologist.

Kingston, January 18th, 1922.

Meteorological Results for the Year 1921.

Kingston Jamaica, Elevation, 24 feet.

Month.	Barometer Pressure.		Temperatures.						Extremes for the Month.			Dewpoint and humidity.				Rain-fall.	Miles of Wind per diem.
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range	7 a.m.		3 p.m.			
	in.	in.	°	°	°	°	°	°	°	°	°	°		°		ins.	
January ..	29.993	29.943	76.9	70.7	83.4	85.9	69.5	16.4	89.4	66.4	23.0	65.9	84	72.7	63	1.40	163
February ..	29.988	29.940	76.3	69.5	82.9	86.3	68.5	17.8	90.0	66.6	23.4	65.3	86	68.9	62	0.56	165
March ..	29.991	29.940	76.5	70.3	82.4	86.9	68.5	18.4	90.3	65.5	24.8	65.6	86	68.2	62	1.42	171
April ..	29.976	29.928	77.6	74.1	81.8	86.7	69.9	16.8	91.3	67.1	24.2	67.9	81	69.3	66	1.71	166
May ..	29.919	29.872	79.4	77.2	83.4	86.8	72.2	14.6	91.5	69.6	21.9	69.4	77	70.6	66	5.61	190
June ..	29.925	29.889	80.4	78.0	84.1	87.9	73.6	14.3	92.5	71.6	20.9	70.9	80	71.8	67	2.21	243
July ..	29.981	29.933	80.8	77.1	85.1	89.3	73.5	15.8	92.7	69.4	23.3	69.4	78	71.5	64	1.21	242
August ..	29.959	29.919	80.1	75.3	83.9	90.2	73.0	17.2	92.6	71.1	21.5	69.4	82	72.1	68	1.22	175
September ..	29.916	29.877	79.5	75.0	82.6	89.8	72.4	17.4	92.8	69.6	23.2	71.2	88	73.7	73	5.11	156
October ..	29.894	29.836	79.6	75.3	84.3	88.1	72.7	15.4	91.6	67.9	23.7	70.8	86	72.3	68	4.15	184
November ..	29.955	29.890	78.2	71.8	84.6	87.6	70.7	16.9	90.2	66.7	23.5	67.5	86	71.3	65	0.14	150
December ..	29.965	29.904	76.9	69.9	83.9	86.6	69.2	17.4	90.0	66.2	23.8	65.9	87	69.2	61	1.17	136
Total .. Means ..	29.955	29.906	78.5	73.7	83.5	87.7	71.2	16.5	91.2	68.1	23.1	68.3	83	71.0	65	25.91	178

1921

MEAN RESULTS, continued.

Month.	Wind from and miles per hour						Clouds in tenths.						Weather Conditions.
	7 a.m.		3 p.m.		11 p.m.		Lower.		Middle.		Upper.		
		mls.		mls.		mls.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m	
January ..	N	6.4	SE	12.6	NbE	5.7	3.0	3.1	1.2	1.4	0.8	1.2	Rainfall above the average. One-half fell during the "Norther" about the 18th SE wind continued 'till late on 14th. Thunderstorm on 18th, 20th, 21st. SE Squall on 21st, "Norther" on 29th.
February ..	NE	6.0	SE	12.5	N E	4.4	1.1	3.8	1.1	2.8	2.1	1.1	Rainfall about the average. Fresh "Norther" about the 14th. Dist. Thunderstorm on 15th, 16th, 27th and 28th. 6 rainy days.
March ..	NNE	4.0	SE	14.0	NNE	4.0	1.1	4.5	1 6	2.5	0.6	0.9	Rainfall 40 per cent. above the average. Distant lightning and Thunderstorm on 6 occasions. Local T. storm early morning 21st. Norther 21st and 22nd.
April ..	NNE	4.3	SE	13.2	NE	3.7	1.1	5.3	1.6	3.0	0.5	1.0	Rainfall nearly 40 per cent above the average. Distant T. storm and lightning on 7 occasions. Brisk SE wind on 15th.
May ..	ENE	5.9	SE	14.7	ESE	5.9	1.4	2.0	0.6	1.5	3.3	2.3	Rainfall nearly 20 per cent. above the average. Most of the rain fell during the latter part of the month. T. storms and distant lightning on 7 days. Squally on 28th.
June ..	ENE	6.6	SE	17.6	E	6.5	1.4	2.1	0.7	1.9	4.4	4.0	Rainfall somewhat over one-half of the average. Dist. lightning and T. storms experienced on about 15 occasions. Squally on 22nd, Solar halo on 30th.
July ..	NE	5.7	SE	19.7	NE	5.4	1.0	1.7	0.9	2.0	3.1	4.7	Rainfall about three-quarters of the average. Frequent distant lightning. Squally on 14th and 25th. Fine Solar halos on 1st and 18th.
August ..	NbE	5 0	SE	15.5	NNE	4.6	1.5	3.9	1 5	2.2	1.7	2.7	Rainfall a little over one-third of the average. Frequent lightning and Thunderstorms. SE squalls on several days. S.E. gale on 12th.
September ..	NE	5.5	SE	11.9	NE	5.3	1.3	4.7	0.8	1.4	2.7	2.0	Rainfall about 25 per cent. above the average. Frequent T. storms and lightning throughout. SE rain squall on 18th.
October ..	NE	6.5	SE	13.3	ENE	5.5	1.5	2.5	0.7	1.6	2.0	3 3	Rainfall about one-half average. Frequent T. storm and distant lightning. SE rain squalls on 6th, 19th, and 21st.
November ..	NE	4.9	SE	12.9	NNE	4.4	1.1	2.7	0.5	2.9	2.2	0.7	Rainfall very deficient, but the humidity kept up to the average. Distant lightning on several nights.
December ..	NNE	5.5	SSE	8.0	NE	5.1	1.5	3.3	1.0	1.9	1.5	1.2	
Means ..	NE	5 5	SE	13.9	NE	5.0	1.5	3.3	1.0	2.1	2.1	2.1	The total rainfall for the year was 25.91 inches. And the year's average for 49 years was 33.59 inches, showing the 1921 rainfall as 77 per cent. The total number of rainy days was 104. The mean temperature was slightly below the average. Maximum range of temperature 23.2 on 29th March. Minimum range of temperature 5.0 on 30th May.