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JAMAICA
WEATHER REPORT

FOR THE MONTH OF
JANUARY, 1946

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens Station is reduced to the first two standards only. The Thermometers are exposed in Stevenson 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 four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part stratocumulus and cumulus; the Middle (M) clouds Altocumulus and the Upper (U) clouds, cirrus and cirro-stratus.

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

The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

METEOROLOGICAL RESULTS

Stations	Elevation	Bar Pressure		Temperatures (°F)					Extreme Temperature (°F)					Daily Sunshine
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°	°	°	°	°	°		°		°	hrs.
Morant Pt. Light House	8	30.001	29.958	77.2	81.0	83.2	74.1	9.1	85.0	24	63.4	18	21.6	..
Kingston	24	..	..	69.0	81.1	87.0	67.9	19.1	90.1	28	65.2	27	24.9	..
Upper Kingston	110	29.994	29.945	68.7	84.1	86.8	67.5	19.3	90.7	25	65.4	27	25.3	..
Negril Pt. Light House	33	30.000	29.953	70.8	82.3	85.3	68.3	17.0	88.5	28	63.5	27	25.0	..
Castleton Gardens	496	..	..	66.0	79.0	80.8	63.6	17.2	84.9	22	60.5	15	24.4	..
Hope Laboratory	668	..	..	66.5	83.8	86.6	63.1	23.5	89.5	16	59.7	10	29.8	7.2
Orange River Exp. Station	450	..	..	68.6	77.9	81.2	64.7	16.5	84.8	22	58.4	24	26.4	7.2
Lorrimers (Christiana)	..	..	..	63.3	..	75.0	60.0	15.0	80.0	24*	55.0	25	25.0	..
Hill Gardens	4.900	25.246	25.217	56.8	64.6	68.1	54.3	13.8	73.0	29	51.7	9	21.3	..

Stations	Dew Point and Rel. Humidity				Rainfall	Wind per diem	Wind: direction from and speed				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.		
	°F	%	°F	%	in.	Mls.	Dir.	mph.	Dir.	mph	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	75	94	77	87	2.61	312	E	14	E	12	5.5	1.2	0.5	4.5	1.0	0.7
Kingston	64	84	70	63	.10	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston	64	84	69	62	.08	146	N	4.5	SE	11.2	..	..	..	..	..	..
Negril Point Light House	33	64	84	64	1.48	109	NE	2.8	SSE	5.3	2.3	0.2	..	6.0	..	..
Castleton Gardens	64	94	72	77	4.11	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	64	90	69	60	0.15	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp. Station	67	96	72	80	7.88	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana)	62	96	..	..	0.70	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	52	84	58	78	1.91	..	..	..	..	..	..	..	..	..	..	..

*and on other days.

†expressed in tenths of sky covered

NOTE:—Hope Agricultural Station is now re-named—Hope Laboratory.

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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March 28, 2002

The Rainfall

In this and subsequent issues the list below will contain all the stations which send in their results, the actual figures being omitted only if these results are not received at the time of going to press. The practice of dividing the Island into Divisions has been abandoned and the unit of the Parish has been adopted, the stations being now arranged alphabetically. See also "The Island Rainfall".

The first four columns contain all the information received, and the last column contains the corresponding average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". There are a number of new stations, and more will be added if possible in areas which are sparsely populated with rain gauges.

Stations	Total Fall	Greatest Fall in 24 hours		Rain-days	Aver-age
		Amt.	Date		
Hanover					
Askenish	3.04	1.00	1	8	2.90
Blenheim	1.86	.40	18	8	..
Bluehole	1.18	.42	7	4	2.69
Cascade	4.64	.95	1	10	..
Copse	N.A.	..	..	..	2.53
Cousins Cove	1.33	.40	1	13	2.30
Green Island	1.07	.40	14	6	2.41
Green River	2.30	.50	14	8	..
Haughton Court, A. C.	2.10	.91	14	6	2.54
Haughton Grove	2.73	1.06	1	7	2.84
Haughton Hall	1.59	.36	21	10	2.10
Hopewell	2.58	.90	1	8	..
Kendal	1.80	.43	17	6	..
King's Vale	1.60	.85	6	4	2.74
Knockalva	.10	.05	4	3	..
Lucea	2.08	.95	1	7	3.06
Santoy L. S.	2.66	1.40	7	8	..
Shuttle wood	2.92	1.95	1	10	..
St. James					
Adelphi	3.62	1.76	30	10	..
Anchovy	1.77	.72	1	10	2.45
Cambridge	1.56	.95	1	5	2.08
Catadupa	.87	.73	1	2	2.11
Cinnamon Hill	1.43	.78	1	6	3.17
Cornwall	1.60	.63	4	4	..
Friendship	2.62	.77	30	12	3.12
Irwin, A. C.	2.42	.73	30	8	3.98
Kempshot	1.07	.35	14	11	3.51
Lapland (Stevenage)	.84	.55	1	2	..
Latium L. S.	2.21	1.12	30	6	..
Maldon School	From	April,	1946		
Mocho	2.14	1.10	1	4	2.88
Montego Bay	1.34	.50	30	6	2.65
Monpelier	1.90	.96	1	8	..
Retirement	3.42	1.25	1	12	2.98
Richmond Hill	3.75	2.00	1	5	..
Rose Hall	.82	.26	7	5	3.15
Running Gut	.76	.36	4	3	3.24
Spring Estate	1.30	.70	1	5	3.83
Success	.67	.20	13	4	2.08
Sweetwater	.26	.26	8	1	..
Tryall	1.15	.50	1	6	2.03
Vaughansfield	.26	.26	1	1	..
Windsor Lodge	3.06	1.10	30	7	..
Trelawny					
Albert Town	.43	.30	7	2	2.79
Arcadia	4.10	1.05	30	10	4.65
Clarks Town	2.94	1.02	29	7	3.18
Deeside	1.53	.92	30	2	..
Duncans	2.12	7	13	8	2.64
Falmouth	1.93	.82	31	5	3.13
Garredu	1.10	.85	31	2	..
Hyde and Gibraltar	3.19	.67	1	11	..
Harmony Hall	2.62	.70	13	8	3.80
Lorrimers	.70	20	2	6	..
Reserve Pen L.S.	2.14	.87	30	9	..
Stewart Town	2.22	.76	29	9	..
Troy	3.98	.82	1	7	2.00
Troy L.S.	4.02	1.60	1	7	..
Ulster Spring	2.24	1.34	3	6	3.26
Unity L.S.	1.12	.32	4	5	..
Vale Royal	4.25	.62	2	12	4.85
Wakefield	1.53	.92	30	2	2.12
Wait-a-Bit	1.25	.23	26	9	..
Warsop	2.17	.98	3	10	2.24

Stations	Total Fall	Greatest Fall in 24 Hours		Rain-days	Aver-age
		Amt.	Date		
St. Ann					
Albion	4.82	1.26	2	13	5.33
Alexandria	1.18	.52	1	6	2.65
Armadale L.S.	1.18	.52	1	6	..
Averham Park	8.58	2.03	2	19	6.93
Bel-Air	7.70	3.20	2	15	4.68
Beverley L. S.	4.58	1.30	13	9	..
Brown's Town	4.29	1.12	29	13	5.95
Borobridge	0.00	0.00	..	0	..
Cave Valley	1.41	.50	3	7	2.11
Claremont	5.36	1.29	2	11	5.80
Eltham L. S.	5.64	1.64	2	14	..
Exchange	2.50	1.10	23	5	..
Greenock	.40	.40	1	1	..
Home Castle	5.45	1.15	3	8	5.74
Knapdale	5.97	1.25	30	16	7.55
Liberty Hill	5.06	.80	2	19	6.10
Moneague	4.50	1.00	20	9	4.79
New Ground A. C.	8.23	1.19	3	13	..
Ocho Rios	4.68	1.53	2	10	4.78
Richmond Estate	6.58	1.40	2	15	5.44
Richmond Pen	.50	.25	21	3	
Rio Hoe	5.97	1.10	29	16	5.72
Rockfield	9.12	2.05	2	20	7.63
Runaway Bay	3.54	.68	2	10	2.66
Rural Retreat	4.20	1.45	26	8	..
St. Ann's Bay	4.54	.91	2	14	5.15
Stepney	0.54	.10	11	9	..
Thatchfield L. S.	8.00	1.80	29	10	..
Unity Valley	4.61	.96	29	18	4.95
Watt Town	1.43	.48	2	4	2.53
Wilton	4.48	1.13	2	16	..
St. Mary					
Agualta Vale	7.96	1.82	29	16	6.94
Albany	N.A.	..	..	..	5.13
Bundo L. S.	6.08	1.50	9	19	..
Castleton Gardens	3.11	1.50	19	8	9.30
Dover, A. C.	9.43	1.90	2	17	6.95
Enfield	13.04	2.65	29	12	13.20
Fort Stewart	9.64	2.35	29	17	..
Fort Stewart L. S.	16.43	2.45	21	17	..
Gibraltar	4.70	.75	10	15	..
Golden Grove, West	8.05	2.10	29	12	..
Golden Grove, East	7.76	2.00	29	15	..
Grays Inn Cen. Facty.	9.95	1.85	29	18	..
Guy's Hill	7.56	2.00	29	18	6.28
Hampstead	12.50	2.00	2	15	9.41
Iter Boreale	6.44	1.59	29	16	..
Jacks River	5.17	1.30	2	12	..
Lady Hole	7.99	1.73	1	19	..
Lower Esher	7.69	1.30	28	14	..
Lucky Hill	8.28	1.40	20	15	7.17
Luckey Hill Pen	9.37	1.92	19	13	..
Newry	4.88	1.40	29	18	..
Nutfield A. C.	9.74	1.29	3	22	..
Oracabessa	5.54	1.30	2	12	6.50
Orange River	7.88	2.38	29	18	..
Platfield L. S.	4.04	1.08	19	15	..
Port Maria	6.49	1.29	9	17	5.91
Quebec	N. A.	..	..	..	6.38
Retreat	7.26	2.00	3	11	..
Richmond	8.14	2.61	29	15	7.00
Warwick Castle L.S.	8.35	1.16	2	19	..
Water Valley	8.43	2.00	29	16	7.51
Wentworth	N. A.	..	..	..	..
Western St. Mary L.S.	7.94	1.30	6	16	..
Wey Hill P.W.D.	4.04	1.08	19	15	..
Wey Hill	N.A.	..	..	..	..
Windsor Castle	7.44	2.15	29	14	8.21

Stations	Total Fall	Greatest Fall in 24 hours		Rain-days	Average
		Amt.	Date		
PORTLAND					
Balcarres	7.35	2.16	19	13	13.58
Belvedere	12.94	3.30	29	17	10.62
Boston	4.01	.94	3	14	..
Boundbrook L. S.	13.10	6.45	25	21	..
Buff Bay	7.77	2.25	29	14	8.97
Bybrook	13.07	3.06	19	18	..
Caenwood	7.56	1.70	29	16	..
Cedar Hurst	2.02	.51	19	13	7.30
Chepstowe	11.03	3.30	19	10	..
Darley Est.	9.73	1.73	19	22	..
Ecclesdown L. S.	6.38	1.41	19	12	..
Fellowship	14.74	5.28	19	20	12.16
Fruitful Vale	..	..	..	..	..
Hope Bay	6.10	1.20	19	12	8.30
Lennox	10.50	1.75	11	22	9.22
Manchioneal	2.41	.55	3	19	5.58
Mill Bank	14.84	5.14	19	16	19.14
Moore Town	16.86	6.15	19	20	16.83
Mt. Holstein	4.88	1.00	19/21/30	12	14.65
Mt. Pleasant	11.26	3.50	19	13	..
Passley Garden	N.A.	..	..	..	6.74
Plum Valley	14.43	3.77	29	13	..
Port Antonio	13.25	6.45	19	21	8.63
Priestman's River	5.01	1.59	3	16	5.43
Shrewsbury	10.30	2.00	2	13	15.95
Swift River	N.A.	..	..	..	..
Spring Garden	8.37	2.00	29	15	8.11
Titchfield School	13.83	6.22	19	24	..
Windsor A. C.	13.70	3.40	19	20	..
ST. THOMAS					
Barrett's Gap	7.31	1.52	19	16	..
Bath	4.54	.92	3	18	6.15
Bowden Pen	17.56	3.95	19	18	..
Buckingham L. S.	1.10	.73	22	3	..
Cedar Valley	.95	.40	22	6	3.64
Clifton Hill Est.	3.76	.54	7	14	..
Coley	.95	.35	21	4	3.24
Duckenfield	N.A.	..	..	..	..
Easington	.84	.22	7	5	1.60
East Prospect	2.40	.50	17	14	3.92
Golden Grove J. S. E	N.A	..	..	..	..
Golden Grove	N.A.	..	..	..	..
Llandewey	.09	.05	8	2	..
Lloyds	1.33	.41	3	6	..
Morant Bay	1.11	.27	17	8	2.82
Morant Pt. Lighthouse	2.61	.65	2	16	4.05
Pera	N.A.	..	..	..	..
Plantain	N.A.	..	..	..	..
Pleasant Hill	5.25	1.55	3	13	4.73
Rowlandsfield L. S.	4.92	1.10	3	10	..
Spanishwood	N.A.	..	..	..	..
Stokes Hall	N.A.	..	..	..	..
Trinityville	1.15	.30	21	6	2.57
Wheelersfield	N.A.	..	..	..	..
Yallahs	1.01	.51	22	2	1.44
ST. ANDREW					
Bamboo Av.	.24	.16	17	3	..
Brandon Hill	5.06	1.60	1	6	..
Cavaliers F. P.	0.19	0.11	18	2	..
Charlton Road, Constant Spring	0.49	0.38	3	2	..
Clifton Pen	.13	.07	18	2	0.70
Constant Spring-F.P.	1.64	1.06	3	8	..
Dallas Castle	.24	.10	3	5	1.15
Fort George	2.33	1.11	3	12	..
Golden Spring	3.62	2.27	1	10	..
Gordon Town	.12	.12	2	1	2.90
Guava Ridge (Mavis Bank)	.05	.05	2	2	2.05
Halfway Tree	.15	.10	3	2	0.95
Harbour Head	.00	.00	..	0	0.66

Stations	Total Fall	Greatest Fall in 24 Hours		Rain-days	Average
		Amt.	Date		
ST. ANDREW, *contd.*					
Hardware Gap F. D.	5.22	1.00	22	13	..
Hardware Gap P.W.D.	2.95	.70	3	9	5.58
Hermitage	1.82	.96	3	8	1.94
Hill Gardens	1.91	.56	19	15	6.78
Hope Laboratory	.15	.11	3	3	..
Hope Farm	.19	.16	3	2	1.70
Hope Water Works	0.19	0.16	3	2	..
Irish Town	2.35	.60	3	7	2.13
Iver	N.A.	..	..	..	..
King's House Gardens	.10	.10	3	1	1.30
Lawrence Tavern	1.99	1.34	1	8	2.60
Mavis Bank F. D.	.00	.00	..	0	..
Mount Airy	2.48	.63	8	6	..
Mount Cressy	4.42	1.08	19	18	..
Red Hills	.78	.57	3	4	1.84
Rose Hill	5.26	.97	20/24	13	3.60
Salisbury Plain A. C.	3.79	2.99	3	3	..
Sea View Filter Plant	2.23	0.94	3	10	..
Shortwood College	.80	.60	4	3	..
Stony Hill	3.26	1.28	3	8	2.78
Twickenham Pen	.00	.00	..	0	..
Up-Park Camp	.27	.15	18	2	..
KINGSTON					
Kingston P. W. O.	.00	.00	..	0	0.75
Palisadoes	.05	.02	21	5	..
Parade Garden	.02	.02	18	1	..
Plumb Point Lighthouse	.00	.00	..	0	0.74
St. Georges College	.10	.07	18	2	..
Upper Kingston	.08	.04	3/18	2	0.66
ST. CATHERINE					
Above Rocks	2.29	1.57	2	6	..
Bellas Gate	2.27	1.10	3	5	1.60
Bog Walk	2.81	1.40	3	3	2.19
Brown's Hall	4.08	1.35	3	6	2.25
Carew Castle	2.43	1.03	3	10	2.49
Ewarton	1.66	.85	3	8	..
Ginger Ridge	1.61	.75	3	8	..
Glengoffe	1.90	.72	1	6	..
Grove Farm A. C.	.12	.12	8	1	..
Guanaboa Vale	3.17	1.60	23	5	2.27
Headworks	1.73	.70	3	3	1.66
Hematine	.06	.06	8	1	1.04
Hog Hole	.12	.05	3	3	1.50
Knollis	1.51	.67	3	5	1.54
Linstead	2.66	1.65	3	4	2.23
Old Harbour	.64	.28	30	3	1.96
Pear Tree Grove	5.54	1.80	29	10	4.96
Point Hill	4.53	1.85	3	8	3.33
Quarantine Station	.07	.07	12	1	0.63
Rio Magno	3.30	.90	19	10	5.03
Riversdale	.43	.22	19	2	2.28
Sligoville (Highgate)	1.91	1.42	3	11	..
Spanish Town	.21	.21	8	1	1.27
Troja (Police St.)	4.15	1.15	19	11	5.01
Troja L. S.	6.16	1.01	3/19	11	..
Tulloch Est.	2.30	1.76	3	4	..
Twickenham A. C.	.00	.00	..	0	..
Worthy Park	2.33	1.59	3	4	..
CLARENDON					
Amity Hall	.72	.37	8	3	..
Beauchamp	.77	.33	14	3	..
Belle Plain	1.73	.42	10	5	2.21
Bull Head	2.77	1.45	3	9	..
Carlisle	.72	.37	8	2	..
Chapelton	1.34	.80	3	5	1.97
Colonel's Ridge	2.82	1.67	3	9	..
Cottage	.41	.41	8	1	1.27
Croft's Hill	1.92	1.15	2	7	2.11

Stations	Total Fall	Greatest Fall in 24 Hours		Rain-days	Aver-age
		Amt.	Date		
CLARENDON, *contd.*					
Crooked River	2.05	1.07	3	5	1.70
Douce Pennants	2.63	2.23	2	3	..
Exeter	.53	.30	8	3	..
Frankfield	3.05	1.69	3	8	1.92
Glen Muir	2.25	2.00	3	3	1.70
Hillside	.20	.20	1	1	..
James Hill	1.76	.40	18	7	..
Kellitts	1.28	.30	26	10	..
May Pen	.58	.48	3	3	1.45
Milk River	.04	.04	4	1	1.73
Mocho L. S.	1.90	1.09	2	4	2.19
Morelands	.70	.48	8	3	..
Peckham L. S.	1.87	1.17	3	5	..
Pennants	1.26	.85	3	4	..
Rock River	1.77	1.20	3	4	1.48
Salt Savannah	.85	.50	8	2	..
Silent Hill	1.00	.80	3	2	..
Spaldings	2.93	1.75	3	13	2.71
Springfield	.05	.05	1	1	..
Suttons J. G. R.	1.34	1.03	3	4	1.93
Suttons, W. I. S. C.	.98	.60	8	3	..
Thompson Town	3.03	1.50	3	6	..
Trout Hall	1.01	.68	21	4	..
MANCHESTER					
Alligator Pond	.31	.18	3	2	1.39
Christiana	1.89	1.29	3	6	2.31
Chudleigh	N.A.	..	..	..	..
Cocoawalk L. S.	1.03	.53	28	2	..
Craig Head	.93	.67	2	2	..
Garlogie	3.33	2.35	3	5	..
Greenvale	2.07	1.10	3	10	1.89
Grove Place	3.21	1.52	3	5	..
Holmwood					
Kendal	1.19	.58	5	4	2.27
Mandeville	N.A.	..	..	..	3.08
Manchester Hotel	4.26	1.35	3	7	..
Mile Gully	1.83	.21	12	6	..
New Forest	From	March	, 1946		
Newport	1.35	.45	17	4	2.71
Porus	1.16	.50	3	4	..
Retrieve	.65	.35	1	2	1.51
Stone's Hope	.88	.34	3	5	2.48
Williamsfield J. G. R.	1.26	.79	3	6	2.70
ST. ELIZABETH					
Aberdeen	3.49	1.11	1	8	..
Accompong	2.11	.38	5	7	..
Appleton	2.65	.86	2	8	2.56
Balaclava	4.97	3.09	1	7	1.82
Bartons	2.60	1.12	2	8	..
Black River	7.14	2.45	2	6	1.69
Braes River	.77	.44	3	3	..
Bull Savannah	.12	.12	3	1	..
Fort Charles	.59	.59	3	1	1.47
Ginger Hill	2.08	.64	5	12	..
Goshen	1.39	.74	3	6	..
Holland Est.	6.38	2.35	3	7	..
Hounslow	1.03	.60	3	3	..
Ipswich	2.78	.68	4	7	..
Lacovia	1.34	.55	3	5	1.97

Stations	Total Fall	Greatest Fall in 24 Hours		Rain-days	Aver-age
		Amt.	Date		
ST. ELIZABETH, *contd.*					
Maggotty	2.28	1.31	2	4	2.73
Mountainside	N.A.	..	..	..	1.63
Mt. Charles	4.36	1.46	3	7	..
Munro College (Potsdam)	1.52	.75	3	7	2.23
Mulgrave	2.54	1.40	1	8	..
Myersville	1.70	1.27	2	2	..
Pedro Plains	N.A.	..	..	..	1.64
Quickstep	2.02	0.85	1	6	..
Santa Cruz	1.53	.82	3	6	2.48
Springfield	2.26	.76	24	6	..
Springvale	5.57	2.00	4	5	..
Torrington	.00	.00	..	0	2.44
Treasure Beach	N.A.	..	..	..	..
Wallingford	N.A.	..	..	..	1.79
Warminster	.85	.45	4	4	..
Windsor	2.15	.89	3	10	2.93
Yardley Chase	From	March	, 1946		
WESTMORELAND					
Bath Pen L. S.	1.00	.40	1	4	..
Baulk	3.23	1.25	13	11	..
Belle Isle	2.47	.83	5	8	..
Bethel Town	1.19	.60	18	3	2.95
Blue Castle	.33	.20	3	4	..
Blue Fields	3.68	1.20	2	6	..
Cornwall	.88	.50	3	4	..
Darliston	2.45	1.04	3	5	3.09
Fontabelle	1.76	.64	5	9	..
Friendship	2.06	.60	3	8	..
Frome	2.36	.80	5	10	..
Grange Hill	5.47	2.00	14	8	2.65
Kew Park	1.63	.73	4	6	2.22
Lamb's River	2.28	.73	1	5	..
Little London	1.29	.43	3	13	1.94
Masemure	1.72	.75	3	9	..
Meylersfield	1.06	.32	7	5	..
Midgham	3.08	1.15	3	10	..
Mint	4.97	2.10	3	10	..
Mt. Eagle	4.35	2.25	3	11	..
Mt. Edgecombe	4.87	2.60	1	5	2.18
Negril Point Light house	1.48	.48	12	11	1.78
New Market	4.05	1 10	30	7	2.71
Paul Island	1.22	.61	7	6	..
Petersfield	3.06	1.15	3	10	..
Petersville	2.65	.68	1	8	2.54
Prospect	1.56	.70	13	8	..
Rat Trap	1.08	1.08	24	1	..
Retreat Est.	1.97	.78	3	11	1.89
Retrieve	1.34	.52	3	9	..
Sav.-la-Mar	.47	.13	2	5	1.72
Sheffield	3.73	1.18	3	10	..
Shrewsbury	2.49	1.70	3	7	..
Spring Garden L. S.	2.20	1.05	3	6	..
The Bog	5.12	1.33	3	7	2.92
Water Works Farm	2.30	1.00	3	7	2.47
Welch Pole	2.55	0.50	3	4	..
Whithorn	.34	.34	31	1	2.65
Williamsfield	.88	.60	13	3	..

The Island Rainfall

The mean rainfall for the Island is now based on a network of rain-gauges selected, from the many reporting, solely to give a distribution as uniform as possible over the whole Island, thus avoiding undue emphasis on any particular area. It will be seen from the acompanying maps of positions of selected stations that prior to this year those areas thickly populated with gauges were casting too much weight into computation of means.

It will be observed that an even distribution is mathematically a more sound practice, the ideal being to divide the Island into a grid of units of equal and preferably small area, and estimate the rainfall for each unit from the reports received from the gauge or gauges in the unit. One step towards this ideal can be achieved by weighting the figure from each selected station by considering the results from any neighbouring gauges. Wherever possible this has been done in this Report.

The means for the parishes are obtained by summation of selected gauges.

The Island mean is also obtained direct from these gauges, and not from the Parish means.

Comparative Table of Rainfall Means for January, 1946

Parish	Rainfall Jan., 1946 Inches	10 Year Average Inches	Raindays (.01 inch or more) No.
Hanover	2.10	2.38	7.1
St. James	1.81	1.93	6.3
Trelawny	2.17	2.40	6.6
St. Ann	4.30	4.25	10.9
St. Mary	8.18	6.27	15.2
Portland	9.62	10.76	16.1
St. Thomas	3.60	3.43	9.6
Kingston	0.10	0.55	2.0
St. Andrew	1.67	2.27	6.1
St. Catherine	1.95	2.30	5.1
Clarendon	1.62	1.60	4.9
Manchester	1.68	2.24	4.5
St. Elizabeth	2.55	1.91	5.5
Westmoreland	2.42	2.46	6.6
	Mean for Jan., 1946	70 Year Average	
The Island	3.48	4.00	6.7

Although the Island's rainfall for January was below the average by some 13% it will be noted that some Parishes, notably St. Mary, had more than normal fall. The month's greatest falls were experienced at Bowden Pen (St. Thomas) 17.56 ins., Moore Town (Portland) 16.86 ins., and Fort Stewart Land Settlement (St. Mary) 16.43 ins., Portland being the wettest parish, with St. Mary close.

A return of no rain at all was sent in by Borobridge, Harbour Head, Mavis Bank (Forestry Dept.), Twickenham Pen, Twickenham Agricultural Centre, Plumb Point Lighthouse and Torrington, the driest parish being Kingston.

Sunshine

A number of sunshine recorders are in continuous operation, and it is of interest to compare their results during the month. The graphs show the average duration of sunshine at each hourly period of the day for three stations—Hope Laboratory (St. Andrew), Orange River Experimental Station (St. Mary), and Palisadoes Airport (Kingston) Bay.

Palisadoes has the greatest sunshine at most hours of the day, though Hope runs fairly close at first. The main reason for this is that there is, *over land*, a diurnal variation of cumulus type clouds with a rapid increase of amount during the morning and a maximum during the afternoon. This daily increases is much greater in amount than the average cloud over the sea, and unless the upper winds are from the NE or NW quadrants the airport is not affected to any great extent.

10 hours or more of sunshine was registered by Hope Laboratory on the 22nd, 25th and 29th; by Orange River on the 6th, 17th and 23rd to 25th; and by Palisadoes on 14 days.

The cloudiest day was the 19th, when Hope had about ¾ hours sunshine, Palisadoes 1¼ hours, and Orange River none at all.

Evaporation

The evaporation gauge at Negril Point Lighthouse showed a total of 4.57 inches, the greatest Daily evaporation being 0.25 inches on the 10th.

At Upper Kingston the monthly total was 7.21 inches against an average of 5.10 inches.

City of Kingston

The January rainfall of about 0.1 inches was below the 70-year average of 0.75 inches, rain on the hills being observed from the town on five occasions, and observed on the mainland from Palisadoes on 13 occasions, while the number of "days of rain" in Kingston itself was only two.

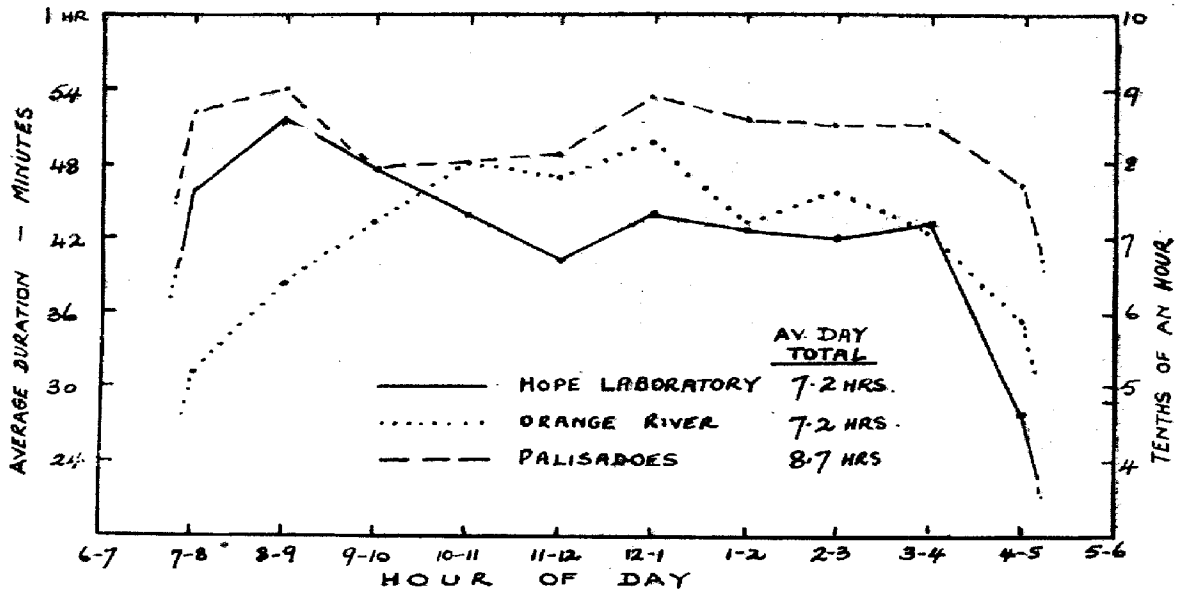
The Mean Temperature of 76.3° F was slightly above the 33-year normal of 75.8° F, although the day temperature only rose above 90° on one occasion, and the night minimum temperature was below 70° throughout the month.

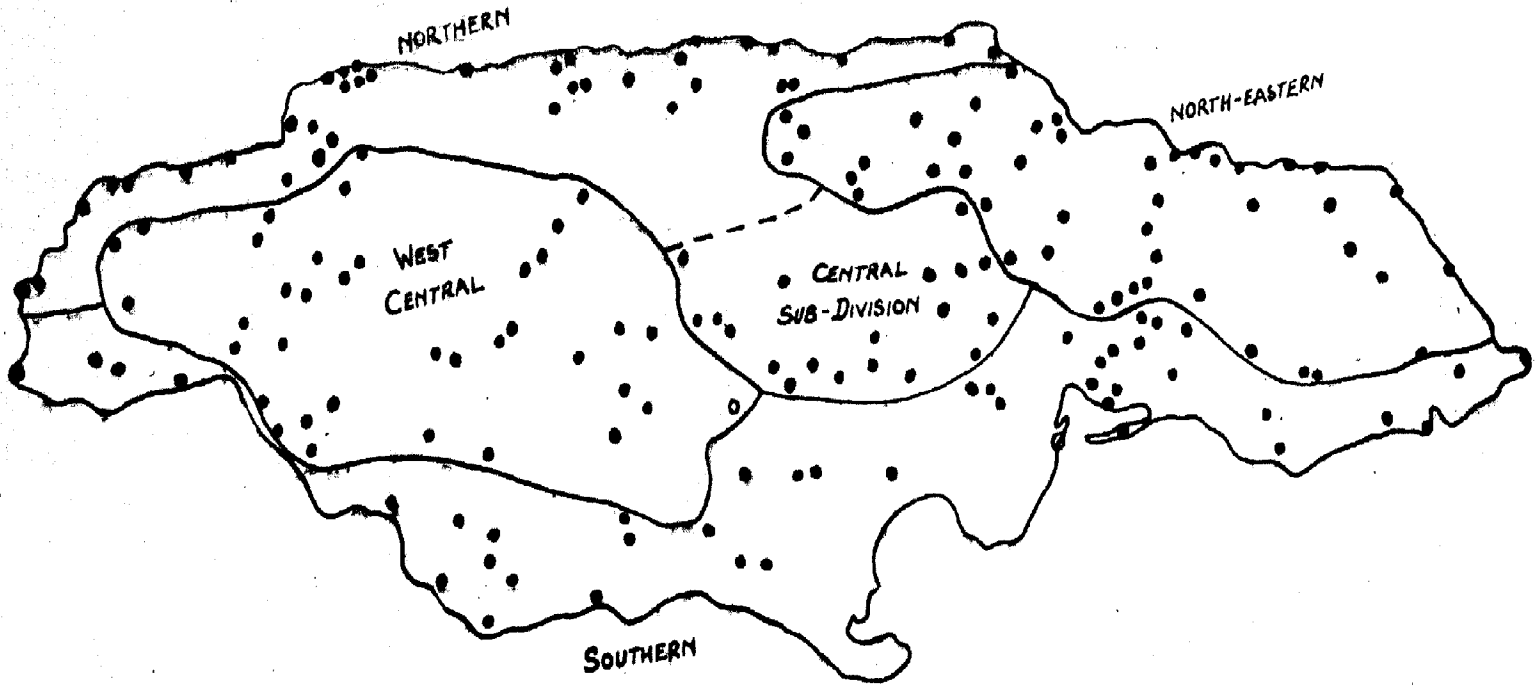
The average Relative Humidity showed a decrease of 3% on the 33-year normal of 78%, the lowest at 7 a.m. being 75% on the 26th, and at 3 p.m. being 53% on the 29th.

A partial Solar Halo was seen on the 1st, and Palisadoes reports a Solar Corona on the 27th, and a Zodiacal Light on the evening of the 28th.

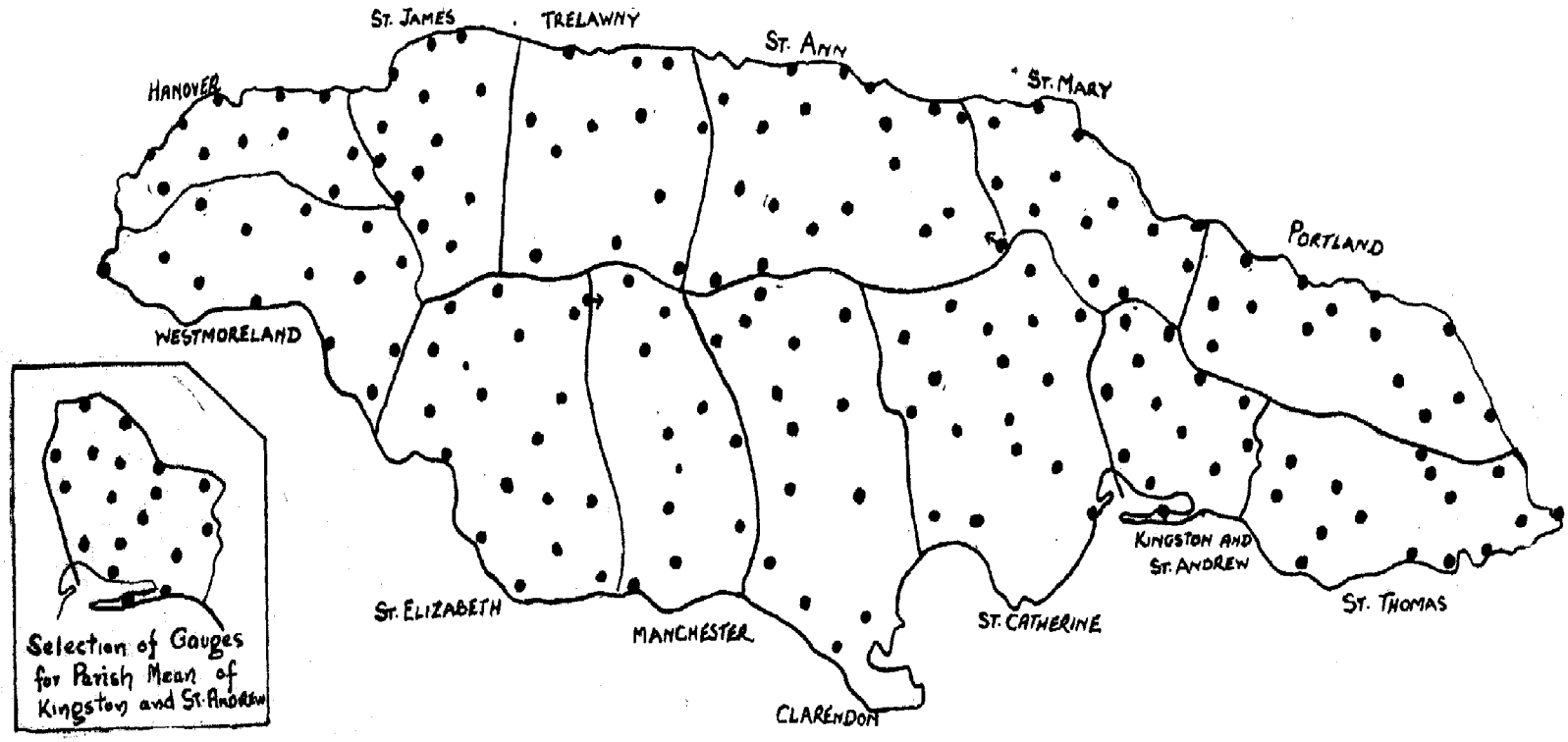
J. T. Gilbert, B. Sc.,
Meteorological Officer.

VARIATION OF SUNSHINE WITH TIME OF DAY — JANUARY 1946





DISTRIBUTION OF GAUGES USED FOR ISLAND AND DIVISIONAL MEANS DURING 1944



DISTRIBUTION OF GAUGES USED FOR ISLAND MEANS FROM JANUARY 1945

ALSO USED FOR PARISH MEANS EXCEPT KINGSTON AND ST. ANDREW (SEE INSET)

MAR 10 1947
METEOROLOGICAL OFFICE

No. 835

JAMAICA

WEATHER REPORT

FOR THE MONTH OF FEBRUARY, 1946

MONTHLY CLIMATOLOGICAL MEANS.

Notes—The barometric pressures at all the stations except the Hill Gardens are reduced to the standards of Kew, i.e., 32 F, gravity at Lat. 45 and mean sea level. The pressure at Hill Gardens Station is reduced to the first two standards only.

The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

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

The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus; the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.

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

Sunshine is recorded by Campbell-Stokes Sphere Recorders.

The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Barometer Pressure		Temperatures (°F)		Extreme Temperatures (°F)							Daily Sunshine (hours)
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max	Date	Min	Date	Range	
	ft.	ins.	ins.											
Morant Point Light House	8	29.997	29.956	76.0	80.9	82.9	73.9	9.0	85.0	2	62.2	25	22.8	..
Kingston	24	..	..	68.4	83.7	86.4	67.4	19.0	90.8	4	64.6	12	26.2	..
Upper Kingston ..	110	29.990	29.940	68.4	84.0	86.5	67.3	19.2	90.8	4	63.8	12	27.0	..
Negril Point Light House	33	29.994	29.949	71.2	82.7	85.3	68.5	16.8	88.5	4	65.3	17	23.2	..
Castleton Gardens ..	496	..	..	65.3	79.3	81.9	63.1	18.8	86.0	27	59.0	26	27.0	..
Hope Laboratory ..	668	..	..	66.0	82.4	85.8	63.1	22.7	89.7	28	60.0	25	29.7	7.8
Orange River ..	450	..	..	68.2	78.4	81.8	64.1	17.7	87.8	27	58.9	22	28.9	7.5
Lorrimers (Christiana) ..	..	..	..	63.0	..	74.9	59.2	15.7	80.0	1*	52.0	8	28.0	..
Hill Gardens ..	4,900	29.219	29.193	54.9	63.3	67.1	53.1	14.0	71.4	15	50.3	14	21.1	..

Stations	Dewpoint and Rel. Humidity				Rainfall (Total)	Wind per diem	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	ins.	miles	Dir.		Dir.		L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	73	92	76	84	3.44	333	NE	14	ENE	12	5.0	1.2	0.6	4.3	1.6	0.6
Kingston	62	80	69	62	1.35	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston ..	62	82	67	58	1.31	155	N	4.1	SE	11.8	..	..	..	..	..	..
Negril Pt. Light House ..	65	81	69	61	1.63	176	ENE	4.5	SE	9.3	1.6	0.5	0.9	5.2	0.0	0.4
Castleton Gardens ..	63	93	70	73	9.83	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	63	89	66	58	0.65	..	..	..	..	..	..	..	..	..	..	..
Orange River	66	93	67	71	4.64	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	61	95	..	..	4.87	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	51	88	57	80	6.26	..	..	..	..	..	..	..	..	..	..	..

*and on 19th.
†expressed in tenths of sky covered.

RAINFALL

Beginning January, 1946 the monthly "Jamaica Weather Reports" list all the stations which send in results from thier raingauges, the actual figures being omitted only if these figures are not received at the time of going to Press. The stations are now arranged for convenience alphabetically and in Parishes.

The first four columns contain all the information received, and the last column contains the corresponding average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", if available. There are a number of new stations and it is hoped to add more if possible in areas where gauges are at present scattered rather thinly.

Stations	February, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	1.39	.55	20	4	3.20
Blenheim	.94	.61	19	4	..
Blue Hole	.00	.00	..	0	2.97
Cascade	1.87	.68	20	5	..
Copse	..	..	..	..	2.18
Cousins Cove	.99	.42	19	11	2.42
Green Island	3.15	1.15	20	7	2.24
Green River	2.05	1.00	19	4	..
Haughton Court A.C.	.00	.00	..	0	2.10
Haughton Grove	1.96	.65	10/19	4	3.02
Haughton Hall	2.00	.87	19	8	2.17
Hopewell	.48	.38	10	2	2.71
Kendal	2.12	1.00	10	3	..
Kings Vale	.72	.32	19	3	2.49
Knockalva	.10	.05	11/12	2	..
Lucea	.12	.07	4	3	2.22
Santoy L.S.	1.68	1.08	19	4	..
Shettlewood	2.01	1.05	20	6	..
Trelawny					
Albert Town	4.17	1.30	19	8	2.92
Arcadia	.95	.50	11	3	2.51
Clarks Town	1.61	.61	4	6	2.41
Dee Side	1.30	.45	14	7	..
Duncans	.81	.12	13	9	1.66
Falmouth	1.96	1.07	2	3	1.85
Garredu	2.23	.75	11	4	..
Harmony Hall	.76	.15	1	9	2.30
Hyde and Gibraltar	1.36	.40	4	8	..
Lorrimers	4.87	1.33	25	7	..
Reserve Pen L.S.	1.76	.86	5	4	..
Stewart Town	1.20	.34	11	9	..
Troy	1.84	1.03	23	2	3.22
Troy L.S.	1.98	.65	23	3	..
Ulster Spring	2.80	.80	22	5	3.31
Unity L.S.	1.44	.55	19	6	..
Vale Royal	1.44	.79	12	5	2.50
Wait-a-Bit	4.00	2.04	23	8	..
Wakefield	1.40	.80	24	2	2.25
Warsop	5.06	2.65	19	6	3.09

Stations	February, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. James					
Adelphi	.64	.27	4	4	..
Anchovy	.26	.8	20	7	1.37
Cambridge	1.68	.80	10	3	2.98
Catadupa	1.90	1.05	20	3	3.23
Cinnamon Hill	1.36	.81	10	6	2.37
Cornwall	1.30	.62	11	5	..
Friendship	1.45	.79	10	5	2.52
Irwin A.C.	1.35	1.35	10	1	1.45
Kempshot	1.07	.77	10	5	2.75
Lapland	2.15	1.05	20	5	..
Latium L.S.	1.51	.80	10	4	2.43
Maldon	..	..	..	..	..
Mocho	5.68	3.80	20	5	3.34
Montego Bay	1.07	.94	10	3	1.82
Montpelier	2.32	1.74	20	6	1.95
Retirement	.87	.30	10	5	2.19
Richmond Hill	2.93	2.00	20	5	..
Rose Hall	1.13	.61	11	5	2.26
Running Gut	1.27	.80	11	4	2.07
Spring Estate	2.05	1.49	11	5	2.41
Success	1.06	.65	11	5	2.13
Sweetwater	2.51	1.40	20	5	..
Tryall	1.44	.80	11	5	1.57
Vaughansfield	3.90	3.03	21	4	..
Windsor Lodge	1.32	.48	10	6	..
St. Ann					
Albion	2.73	.89	2	8	3.73
Alexandria	.90	.50	4	2	2.38
Armadale L.S.	1.42	.35	3	5	..
Averham Park	5.06	1.60	4	16	4.43
Bel-Air	.95	.25	11	7	2.79
Beverly L.S.	0.34	.17	4/12	2	..
Borobridge	.00	.00	..	0	..
Browns Town	2.84	.91	4	9	4.13
Cave Valley	3.48	1.65	23	6	2.05
Claremont	4.39	1.20	2	11	4.01
Eltham L.S.	1.48	.38	3	8	..
Exchange	.19	.08	23	3	..
Greenock	3.62	..	..	6	..
Home Castle	.82	.72	5	2	3.19
Knapdale	2.61	1.27	5	13	4.57
Liberty Hill	.49	.10	2/15	8	4.07
Moneague	2.64	.80	4	6	3.89
New Ground A.C.	1.48	.58	3	4	..
Ocho Rios	1.57	.35	11/15	6	3.55
Richmond Estate	.81	.20	4/15	6	3.80
Richmond Pen	.65	.20	8/11	4	..
Rio Hoe	2.89	.71	4	11	3.87
Rockfield	2.95	.69	2	14	5.06
Runaway Bay	.63	.40	9	2	2.03
Rural Retreat	2.60	.90	5	6	..
St. Ann's Bay	.74	.24	3	6	4.40
Stepney	.29	.13	21	5	..
Thatchfield L.S.	..	..	..	..	..

Stations	February, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Ann *contd.*	Ins.	Ins.			Ins.
Unity Valley	3.17	.87	4	13	3.56
Watt Town	1.44	.48	23	4	2.18
Wilton	.63	.12	19	11	..
St. Mary					
Agualta Vale	5.05	1.80	16	9	5.09
Albany	N.A.	..	..	..	4.83
Bundo L.S.	2.02	.33	15	11	..
Castleton Gardens	9.95	3.50	24	9	5.49
Dover A.C.	4.70	1.80	16	10	5.30
Enfield	9.09	3.95	16	6	7.80
Fort Stewart	5.04	2.92	16	8	..
Fort Stewart L.S.	13.49	4.14	15	14	..
Gibraltar	4.22	1.40	2	10	..
Golden Grove East	4.35	1.30	16	8	..
Golden Grove, West	4.95	1.40	16	10	..
Grays Inn Central Fact.	..	..	..	..	..
Guys Hill	4.79	1.15	23	13	4.42
Hampstead	5.02	1.80	2	11	6.15
Iter Boreale	3.11	1.00	15/17	8	..
Jacks River	3.04	1.10	25	14	..
Lady Hole	7.08	2.98	16	14	..
Lower Esher	3.91	1.00	3	8	..
Lucky Hill	3.55	.96	4	14	4.98
Lucky Hill Pen	3.01	.85	4	8	..
Newry	3.65	1.22	15	11	..
Nutfield A.C.	3.59	1.00	15	11	..
Oracabessa	1.98	.54	15	7	4.38
Orange River	4.64	1.81	2	16	..
Platfield L.S.	4.40	1.48	24	11	..
Port Maria	2.33	.44	1	10	4.81
Quebec	N.A.	..	..	..	4.33
Retreat	2.01	.61	1	8	..
Richmond	3.83	1.25	2	10	4.59
Warwick Castle L.S.	3.03	.50	3	16	..
Water Valley	2.25	1.00	6	5	4.93
Wentworth	..	..	..	..	..
Western St. Mary L.S.	2.77	.70	2	7	..
Wey Hill P.W.D.	4.40	1.48	24	11	..
Windsor Castle	8.43	2.60	5	13	5.87
Portland					
Balcarres	10.01	3.06	5	7	10.40
Belvedere	6.99	2.64	16	14	8.39
Boston	2.55	.60	9	12	..
Boundbrook L.S.	3.39	.91	9	13	..
Buff Bay	7.23	4.00	16	12	7.13
Bybrook	6.92	2.46	16	13	..
Caenwood	3.97	1.00	25	10	..
Cedar Hurst	6.64	1.85	5	14	5.91
Chepstowe	6.65	2.50	15	10	..
Darley	3.77	.91	16	11	..
Ecclesdown L.S.	4.56	1.11	26	8	..
Fellowship	5.67	1.50	16	14	9.46
Fruitful Vale	7.18	3.30	16	13	..
Hope Bay	2.80	1.30	18	2	5.40
Lennox	4.20	3.10	16	5	6.88
Manchioneal	3.50	.93	26	11	4.83
Millbank	12.28	3.10	15	17	12.23

Stations	February, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland *contd.*	Ins.	Ins.			Ins.
Moore Town	5.80	1.10	24	13	12.65
Mt. Holstein	11.66	3.81	5	10	8.49
Mt. Pleasant	3.89	2.55	16	4	..
Passley Garden	3.40	..	..	..	4.90
Plum Valley	3.37	.80	2	9	..
Port Antonio	3.39	.91	9	13	5.80
Priestmans River	3.61	.60	3/15	13	4.19
Shrewsbury	5.52	2.22	15	13	10.42
Spring Garden	5.70	2.82	16	13	5.73
Swift River	N.A.	..	..	..	..
Titchfield Sch. P.A.	3.28	.95	9	11	..
Windsor A.C.	4.88	.87	4	12	..
St. Thomas					
Barretts Gap	5.24	.94	10	13	..
Bath	4.70	1.10	15	14	4.38
Bowden Pen	15.05	3.33	5	21	..
Buckingham L.S.	1.49	.45	26	5	..
Cedar Valley	2.02	.75	23	8	2.58
Clifton Hill Est.	3.18	.65	15	11	..
Coley	1.95	.50	23/24	5	2.33
Duckenfield	3.84	1.74	24	8	..
Easington	.45	.29	24	3	1.28
East Prospect	3.16	.80	24	11	2.29
Golden Grove G.G.E.	N.A.	..	..	..	..
Golden Grove J.S.E.	3.76	2.00	24	7	..
Llandewey	.90	.80	24	2	..
Lloyds	2.26	.88	13	8	..
Morant Bay	1.44	.38	25	7	1.82
Morant Pt. Lighthouse	3.44	1.65	24	9	2.74
Pera	N.A.	..	..	..	..
Plantain Garden River	5.05	1.60	24	13	..
Pleasant Hill	4.06	1.65	24	11	2.60
Rowlandsfield L.S.	4.24	1.26	15	8	..
Spanish Wood	5.74	3.30	24	6	..
Stokes Hall	N.A.	..	..	..	..
Trinityville	1.57	.50	23	5	2.06
Wheelersfield	4.05	1.75	24	8	..
Yallahs	.63	.26	19	3	1.21
Kingston and St. Andrew					
Bamboo Avenue	.99	.43	22	9	..
Brandon Hill	6.85	2.85	5	3	..
Cavaliers	.85	.60	24	5	..
Clifton Pen	1.77	1.27	24	5	0.79
Constant Spring F.P.	2.51	1.07	24	10	..
Constant Spring Ch. Rd	1.35	.62	23	8	..
Dallas Castle	1.01	.52	23	5	2.27
Fort George	4.13	2.75	23	13	..
Golden Spring	5.05	1.78	23	13	..
Gordon Town	2.51	1.70	23	5	1.83
Guava Ridge	1.64	.92	23	6	2.11
Halfway Tree	1.29	.35	22	5	0.96
Harbour Head	.85	.85	24	1	..
Hardware Gap P.W.D.	6.37	1.12	23	10	4.23
Hardware Gap F.D.	7.90	2.00	23	10	..
Hermitage	2.80	.97	23	11	2.82
Hill Gardens	6.26	1.45	5	17	4.22

Stations	February, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
KINGSTON AND ST. ANDREW *contd.*					
Hope Farm	.64	.32	23	4	1.30
Hope Laboratory	.65	.25	23	8	..
Hope Waterworks	.69	.30	23	5	..
Irish Town	2.95	1.00	23	7	1.83
Iver	1.28	.38	18	7	..
King's House Gardens	1.49	.55	11	5	1.25
Lawrence Tavern	2.70	1.05	24	9	2.48
Mavis Bank	1.57	.50	23	8	..
Mt. Airy	6.87	1.58	1	7	..
Mt. Cressy	10.22	2.65	4	16	..
Red Hills	4.27	2.31	23	10	2.19
Rose Hill	7.51	2.01	23	11	3.97
Salisbury Plain A.C.	2.93	1.01	23	5	..
Sea View F.P.	2.88	1.57	23	12	..
Shortwood College	1.08	.53	23	7	..
Stony Hill	5.57	3.83	24	9	2.30
Twickenham Pen	2.08	.81	24	5	..
Up Park Camp	.80	.50	24	2	..
Kingston					
Kingston P.W.O.	1.36	1.17	24	2	0.62
Palisadoes	0.47	0.43	24	3	..
Parade Gardens	1.37	1.37	24	1	..
Plumb Pt. Lighthouse	.00	.00	..	0	0.62
St. Georges College	1.35	1.16	24	2	..
Upper Kingston	1.31	1.06	24	4	0.83
ST. CATHERINE					
Above Rocks	2.01	.60	24	9	..
Bellas Gate	1.86	1.12	23	5	1.70
Bog Walk	2.55	1.00	24	4	1.68
Browns Hall	2.01	.92	23	7	2.18
Carew Castle	3.39	1.15	24	8	2.14
Ewarton	1.53	.98	16	6	..
Ginger Ridge	0.93	.37	23	10	..
Glengoffe	3.71	1.30	24	7	..
Grove Farm A.C.	2.43	.85	23	8	..
Guanaboa Vale	4.17	1.60	23	5	2.42
Headworks	1.75	.64	2	7	1.62
Hematine	1.80	1.36	23	7	1.46
Hog Hole	3.83	1.83	23	9	1.80
Knollis	2.25	1.15	15	3	1.67
Linstead	3.49	.99	19	7	2.16
Old Harbour	2.05	.60	23	8	1.93
Pear Tree Grove	4.28	1.38	2	7	3.94
Point Nill	2.95	1.75	23	4	3.20
Quarantine Station	.30	.18	23	3	0.53
Rio Magno	7.14	1.93	24	7	3.05
Riversdale	4.36	1.24	23	7	2.18
Sligoville	2.25	.88	24	9	2.53
Spanish Town	2.43	1.58	23	5	1.36
Troja Police Station	6.76	3.10	16	8	4.05
Troja L.S.	5.26	1.09	16	8	..
Tulloch Estate	2.64	.66	23	10	..
Twickenham A.C.	1.84	.50	23	3	..
Worthy Park	2.41	.50	2/5/26	7	..
CLARENDON					
Amity Hall	1.36	.91	23	4	..
Beauchamp	.08	.08	3	1	..
Belle Plain	3.41	2.83	22	5	2.57

Stations	February, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
CLARENDON, *contd.*					
Bull Head	1.84	.60	18	9	..
Carlisle	.32	.22	23	2	..
Chapelton	1.63	.75	22	8	1.68
Colonels Ridge	1.39	.48	23	6	..
Cottage	.80	.25	23	4	1.97
Crofts Hill	2.03	.66	24	7	1.92
Crooked River	.65	.25	7	4	2.18
Douce Pennants	.73	.43	23	2	..
Exeter	.24	.12	3/26	2	..
Frankfield	1.39	.49	23	7	2.56
Glen Muir	1.10	.35	1	4	1.34
Hillside	.08	.08	23	1	..
James Hill	2.19	.40	22	9	..
Kellitts	3.52	1.58	3	6	..
May Pen	.90	.25	1	7	1.80
Milk River	1.76	.90	22	7	1.39
Mocho L.S.	1.12	.65	22	4	2.13
Mocho P.W.D.	1.36	.65	22	6	2.13
Morelands	.74	.34	11	3	..
Peckham L.S.	1.61	.63	23	6	..
Pennants	1.78	.75	22	7	..
Rock River	1.49	.83	24	4	1.69
Salt Savannah	.90	.80	23	2	..
Silent Hill	3.10	1.50	24	5	..
Spaldings	5.40	2.95	23	10	3.39
Springfield	.25	.25	26	1	..
Suttons J.G.R.	1.86	1.20	24	3	2.73
Suttons W.I.S.C.	1.16	.64	23	4	..
Thompson Town	2.35	1.06	23	5	..
Trout Hall	1.66	.70	22	6	1.70
MANCHESTER					
Alligator Pond	1.39	1.00	14	5	1.40
Christiana	4.27	3.35	23	6	2.80
Chudleigh	N.A.	..	..	..	3.10
Cocoawalk L.S.	2.28	1.30	23	4	..
Craig Head	7.61	3.59	23	6	..
Garlogie	3.29	2.25	24	5	..
Greenvale	3.17	1.55	22	5	3.26
Grove Place	1.88	1.03	23	6	..
Kendal	2.20	1.46	31	5	2.78
Mandeville	.98	.30	24	5	2.82
Mandeville Man. Hotle	.97	.29	23	5	..
Mile Gully	2.42	1.30	23	4	..
New Forest	From	May,	1946	..	..
Newport	2.47	2.11	22	4	2.71
Porus	.94	.56	23	4	..
Retrieve	2.31	1.90	22	3	1.74
Stones Hope	1.61	1.32	22	3	2.32
Williamsfield J.G.R.	1.11	1.03	22	2	3.84
ST. ELIZABETH					
Aberdeen	3.61	1.71	21	8	..
Accompong	2.58	.75	21	5	..
Appleton	2.81	1.71	21	7	2.77
Balaclava	1.03	.52	23	4	2.86
Bartons	1.03	.93	21	2	..
Black River	.78	.26	1	7	1.73
Braes River	.75	.50	24	2	..
Bull Savannah	1.40	.52	2	3	..

Stations	February, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth *contd.*					
Fort Charles	1.26	.77	8	2	1.69
Ginger Hill	3.81	1.94	21	4	..
Goshen	.78	.30	3	6	..
Holland Estate	1.19	.84	21	4	..
Hounslow	.75	.75	2	1	..
Ipswich	4.51	2.06	21	8	..
Lacovia	.73	.40	21	3	3.91
Maggotty	3.55	2.06	21	5	3.55
Mountainside	N.A.	..	..	..	2.06
Mt. Charles	1.32	.50	21	8	..
Mulgrave	3.62	1.40	21	6	..
Munro	1.50	.72	2	8	2.12
Myersville	0.00	0.00	..	0	..
Pedro Plains	N.A.	..	..	..	1.38
Quickstep	4.65	1.75	21	8	..
Santa Cruz	.59	.30	2	6	2.77
Springfield	4.04	2.10	21	5	..
Springvale	4.86	2.00	3	11	..
Torrington	2.05	1.00	2	3	2.46
Wallingford	1.35	.50	23	9	4.02
Warminster	.25	.25	2	1	..
Windsor	1.33	.58	2	9	2.39
Yardley Chase	from Mar.,		1946	..	..
Westmoreland					
Bath Pen L.S.	2.89	1.40	23	3	..
Baulk	3.29	1.45	19	4	..
Belle Isle	1.77	1.32	19	2	..
Bethel Town	1.40	.80	20	2	3.90
Blue Castle	.80	.50	19	2	..
Bluefields	2.85	1.05	21	5	3.59

Stations	February, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland *contd.*					
Cornwall	1.86	1.30	21	4	..
Darliston	1.89	.54	19/20	6	3.80
Fontabelle	1.17	.85	19	4	..
Friendship	1.80	.92	19	4	..
Frome	1.67	1.22	19	5	..
Grange Hill	1.87	1.29	19	4	2.91
Kew Park	1.15	.58	19	4	2.86
Lambs River	1.06	.30	10	6	..
Little London	1.46	.61	19	7	2.84
Masemure	2.61	1.12	20	7	..
Meylersfield	2.40	1.58	21	4	..
Midgham	1.66	1.00	19	4	..
Mint	2.01	1.75	19	4	..
Mt. Eagle	.75	.30	19	6	..
Mt. Edgecombe	1.32	.40	21	10	2.47
Negril Pt. Lighthouse	1.63	.57	19	7	1.77
New Market	4.72	1.70	21	5	3.84
Paul Island	1.36	.66	19	3	..
Petersfield	3.50	1.96	21	5	..
Petersville	1.20	.53	21	5	2.99
Prospect	2.38	1.62	19	5	..
Rat Trap	.00	.00	..	0	..
Retreat Estate	1.72	.76	20	5	2.51
Retrieve	1.82	.94	20	6	..
Savanna-la-Mar	1.07	.57	21	3	2.15
Sheffield	1.66	.75	20	6	..
Shrewsbury	2.41	1.15	21	4	..
Spring Garden L.S.	1.68	1.10	20	4	..
The Bog	3.22	1.22	20	8	4.05
Waterworks Farm	5.22	3.05	20	6	3.23
Welch Pole	.80	.30	19	4	..
Whithorn	1.23	1.00	20	2	2.95
Williamsfield	3.28	2.60	19	3	..

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each Parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the raingauges in the area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The table below shows the rainfall for Parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell.

COMPARATIVE TABLE OF RAINFALL MEANS FOR FEBRUARY, 1946

Parish	Rainfall Feb. 1946 Inches	10-Year Average Inches	Rain days (.01 inch or more)
Hanover	1.22	1.93	3.7
St. James ..	1.91	2.20	4.9
Trelawny	2.26	2.76	6.2
St. Ann	1.94	3.45	7.2
St. Mary	4.70	4.93	10.4
Portland	5.76	7.77	11.4
St. Thomas ..	3.63	2.70	8.6
Kingston	0.98	0.61	2.4
St. Andrew ..	3.03	2.51	6.9
St. Catherine	2.71	2.57	6.6
Clarendon ..	1.27	2.26	4.6
Manchester ..	2.50	3.09	5.0
St. Elizabeth ..	1.84	3.31	4.9
Westmoreland	1.93	2.90	4.8
The Island ..	2.69	3.21 (70 year average)	6.6

Notes—As in January the rainfall was below average, the deficit being 0.52 inches or 16%. This was spread over all parishes except those in the South-east of the Island from St. Thomas to St. Catherine, which actually had more than a normal fall. Portland though well below average was still the wettest parish, followed by St. Mary. The month's greatest falls were experienced at Bowden Pen (St. Thomas) 15.05 inches, Milbank (Portland) 12.28 inches, and Mount Holstein (Portland) 11.66inches, while 4 inches of rain or over fell in one rainday at Fort Stewart Land Settlement (St. Mary) 4.14 inches, and Buff Bay (Portland) 4.00 inches. Returns of no measurable rain were sent in by Haughton Court, Plumb Point Lighthouse, Myersville and Rat Trap.

SUNSHINE

The following table shows the duration of sunshine at three stations where Campbell-Stokes continuous sunshine recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Hope Laboratory	Orange River	Palisadoes
6–7 a.m. ..	.27	.14	.21
7–8 " ..	.87	.53	.86
8–9 " ..	.87	.74	.92
9–10 " ..	.91	.83	.91
10–11 " ..	.78	.80	.89
11–12 Noon ..	.73	.82	.78
12–1 p.m. ..	.73	76	.77
1–2 " ..	.72	.74	.83
2–3 " ..	.60	.71	.81
3–4 " ..	.54	.66	.69
4–5 " ..	.61	.56	.64
5–6 " ..	.10	.15	.24
Total ..	7.73	7.44	8.55

If these figures be plotted on a diagram similar to that in the January Weather Report it will be seen that Palisadoes, for identical reasons, retains its sunshine lead but its morning minimum occurs 2 hrs. later, while Orange River's maximum occurs between 9 and 12 a.m. instead of between 10 a.m. and 1 p.m. Hope has a marked minimum in the afternoon especially when compared with the January report, and this is obviously connected with the excess of rainfall which occurred in the SE part of the Island. Palisadoes shows a similar drop in the late afternoon. 10 or more hours were measured at Hope Laboratory on 4th, 14th, 15th, 18th, 25th, 26th, by Orange River on 14th, 15th, 22nd, 25th, and 27th. The cloudiest day was the 16th when the duration of sunshine was Hope 4.1 hrs, Orange River 2.0 hours and Palisadoes 4.1 hours.

Evaporation

The Evaporation gauge at Negril Point Lighthouse showed a total of 5.39 inches. The rainfall measured at this station was only 1.63 inches, that is the surface here was losing moisture faster than it was supplied from the atmosphere.

At Upper Kingston the monthly total was 7.15 inches, well above the normal of 5.10 inches, again suggesting abnormal drying, although the rainfall was slightly over the long term mean value.

City of Kingston

The February rainfall was above the average, as was the St. Andrew parish total, the raindays noted at various observing points illustrating the uneven character of our rainfall even in immediately adjacent places. It will be seen from the rainfall statistics that while Upper Kingston (the Climatological Station carried on at 148½ East Street by J. F. Brennan, Esq.) had 4 days of rain, the Public Works Office and St. George's College only had 2 days and Parade Gardens only one, though the actual fall of rain is almost identical in all cases. From the Palisadoes vantage point rain was observed falling at one or more places on the mainland on some 20 days.

While the mean temperature differed in appreciably from the 33-year normal, the moisture in the atmosphere shown by the relative humidity, followed January's trend with a decrease, averaging 73% against the normal of 78%, with a 3 p.m. minimum of 41% on the 8th.

Irisation in an upper cloud layer of altocumulus was noted on 9th, solar halos in cirrus cloud were seen on 25th and 27th, and lunar coronas on 9th and 10th.

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Meteorological Officer

Meteorological Office,
Palisadoes,
Kingston

No. 836

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

MARCH, 1946

MONTHLY CLIMATOLOGICAL MEANS.

Notes—The barometric pressures at all the stations except the Hill Gardens are reduced to the standards of Kew, i.e., 32° F, gravity at Lat. 45° and mean sea level. The pressure at Hill Gardens Station is reduced to the first two standards only.

The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

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

The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus; the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.

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

Sunshine is recorded by Campbell-Stokes Sphere Recorders.

The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Barometer Pressure		Temperatures (°F)		Extreme Temperatures (°F)								Daily Sunshine (hours)
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°	°	°	°	°	°		°		°	
Morant Point Light House	8	29.970	29.931	76.2	81.4	83.3	73.1	10.2	85.0	29	64.2	31	20.8	..
Kingston	..	..	..	71.5	82.5	86.0	69.5	16.5	90.8	27	64.7	10	26.1	..
Upper Kingston ..	110	29.962	29.913	70.3	83.4	86.1	68.4	17.7	90.1	27	63.9	10	26.2	..
Negril Point Light House	33	29.974	29.924	71.5	82.2	85.0	68.4	16.6	89.8	24	63.0	10	26.8	..
Castleton Gardens ..	496	..	..	65.7	79.2	82.9	63.8	19.1	87.0	27	59.8	23	27.2	..
Hope Laboratory ..	668	..	..	67.4	83.0	86.6	63.1	23.5	92.2	27	58.0	23	34.2	8.1
Orange River Exp. Station	450	..	..	66.9	78.3	82.2	63.0	19.2	87.2	28	55.7	23	31.5	7.3
Lorrimers (Christiana) ..	..	..	..	63.7	..	76.5	59.9	16.6	81*	23	50	21	31.0	..
Hill Gardens ..	4,900	25.234	29.198	55.4	63.4	67.9	53.8	14.1	73.0	18	50.5	9	22.5	..

Stations	Dewpoint and Rel. Humidity				Rainfall (Total)	Wind per diem	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	ins.	miles	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	70	83	74	74	3.99	306	E	14	E	12	5.6	1.2	0.4	4.5	0.9	0.4
Kingston	66	83	72	70	0.83	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston ..	64	82	70	63	1.07	168	N	4.8	SE	12.8	..	..	..	..	..	..
Negril Pt. Light House ..	64	78	68	64	2.58	135	NE	3.1	SE	7.5	1.6	0.7	0.1	6.8	0.3	0.0
Castleton Gardens ..	64	95	71	77	5.75	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	64	88	68	60	2.02	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp., Station	65	95	69	72	4.54	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana) ..	62	95	..	..	0.91	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	52	90	58	84	7.06	..	..	..	..	..	..	..	..	..	..	..

*and on other days

†expressed in tenths of sky covered.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their raingauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Stations	March, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	5.86	1.88	15	12	3.98
Blenheim	4.54	1.26	14	13	..
Blue Hole	.69	.48	20	2	2.59
Cascade	3.03	1.02	18	9	..
Copse	..	..	..	..	3.16
Cousins Cove	6.53	1.99	18	19	3.32
Green Island	7.35	1.70	8	10	3.39
Green River	6.65	2.50	18	13	..
Haughton Court A.C.	2.05	.72	1	4	2.30
Haughton Grove	3.30	.88	25	12	6.30
Haughton Hall	5.79	2.38	18	15	2.70
Hopewell	.63	.30	20	5	2.51
Kendal	5.53	1.10	18	9	..
Kings Vale	1.76	.50	18	10	3.64
Knockalva	..	..	..	..	..
Lucea	1.35	.45	1	8	2.42
Santoy L.S.	7.61	3.43	18	12	..
Shettlewood	1.92	.67	25	9	..
Trelawny					
Albert Town	.40	.40	2	1	3.82
Arcadia	.70	.65	25	2	2.15
Clarks Town	.40	.15	5	5	2.37
Dee Side	1.25	.30	20	10	..
Duncans	1.05	.35	3	6	2.40
Falmouth	0.00	.00	..	0	1.77
Garredu	0.00	.00	..	0	..
Harmony Hall	1.39	.45	3	8	2.17
Hyde and Gibraltar	.74	.36	5	5	..
Lorrimers	.91	.75	8	3	..
Reserve Pen L.S.	.56	.17	21	7	..
Stewart Town	1.41	.72	2	8	..
Troy	0.00	.00	..	0	5.47
Troy L.S.	.66	.17	24	4	..
Ulster Spring	.72	.69	19	2	3.96
Unity L.S.	.45	.34	18	3	..
Vale Royal	.92	.53	24	4	2.33
Wait-a-Bit	1.23	.42	8	7	..
Wakefield	.81	.60	24	2	2.18
Warsop	.88	.38	8	4	2.64

Stations	March, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. James					
Adelphi	2.46	1.05	2	6	..
Anchovy	2.80	.63	18	13	2.01
Cambridge	2.58	1.04	25	8	4.39
Catadupa	2.20	.66	6	6	3.96
Cinnamon Hill	2.06	.83	30	7	1.34
Cornwall	1.05	.50	20	5	..
Friendship	1.66	.56	30	8	2.26
Irwin A.C.	2.40	.68	30	10	2.10
Kempshot	2.12	.57	2	10	3.02
Lapland	3.12	1.52	6	5	..
Latium L.S.	1.41	.35	20	5	2.83
Maldon School	..	..	..	..	..
Mocho	2.64	1.05	25	5	5.22
Montego Bay	1.78	1.05	2	5	1.67
Montpelier	1.45	.39	25	12	1.61
Retirement	2.57	.95	14	7	2.89
Richmond Hill	2.85	1.35	13	7	..
Rose Hall	2.22	1.46	30	6	1.73
Running Gut	1.31	.75	30	5	1.64
Spring Estate	1.73	.45	18	5	1.52
Success	0.73	.20	21	6	1.81
Sweetwater	2.57	1.40	6	9	..
Tryall	1.34	.54	30	4	1.67
Vaughansfield	.95	.55	8	3	..
Windsor Lodge	1.54	.54	2	6	..
St. Ann					
Albion	2.32	.52	19	9	3.51
Alexandria	1.79	.64	19	8	2.22
Armadale L.S.	1.95	1.85	19	2	..
Averham Park	5.18	.96	24	16	3.57
Bel-Air	2.10	.55	23	10	4.20
Beverly L.S.	3.77	1.40	5	6	..
Borobridge	.46	.23	7	3	..
Browns Town	1.42	.37	3	7	3.01
Cave Valley	.71	.35	19	4	2.57
Claremont	3.15	.52	23	10	3.16
Eltham L.S.	1.96	.71	29	6	..
Exchange	2.75	1.01	14	4	..
Greenock	2.21	..	..	5	..
Home Castle	2.27	.62	24	6	2.67
Knapdale	3.46	1.48	24	13	3.63
Liberty Hill	3.00	.76	24	11	3.47
Moneague	2.29	.54	4	10	3.35
New Ground A.C.	2.32	.90	11	5	..
Ocho Rios	3.33	.70	3	10	2.79
Richmond Estate	2.50	.55	5	12	2.70
Richmond Pen	.40	.20	20	3	2.28
Rio Hoe	2.22	.59	4	10	3.56
Rockfield	6.14	2.31	24	15	3.40
Runaway Bay	1.37	.33	11	6	1.79
Rural Retreat	2.40	.40	9/20	9	..
St. Ann's Bay	3.00	.61	3	9	3.05
Steppey	1.07	.45	19	6	..
Thatchfield L.S.	4.37	2.20	24	7	..

Stations	March, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Ann *contd.*	Ins.	Ins.			Ins.
Unity Valley	3.61	1.05	13	19	3.68
Watt Town	.47	.23	2	3	2.13
Wilton	.70	.21	3	7	..
St. Mary					
Agualta Vale	3.90	1.67	24	11	4.23
Albany	..	..	..	..	3.91
Bundo L.S.	3.73	.90	12	14	..
Castleton Gardens	4.87	2.00	4	10	4.81
Dover A.C.	3.99	1.46	7	7	4.72
Enfield	6.30	3.33	24	1	7.98
Fort Stewart	7.24	3.25	24	6	..
Fort Stewart L.S.	5.32	4.95	24	4	..
Gibraltar	3.30	1.00	23	9	..
Golden Grove East	3.91	1.35	24	7	..
Golden Grove, West	4.45	1.85	24	7	..
Grays Inn Central Fact.	5.37	2.00	23	10	..
Guys Hill	3.32	.95	24	13	3.64
Hampstead	5.15	1.20	22	8	4.89
Iter Boreale	2.76	1.15	7	6	..
Jacks River	3.80	1.05	11	9	..
Lady Hole	14.86	3.03	23	16	..
Lower Esher	5.88	1.06	24	9	..
Lucky Hill	4.87	1.60	24	13	3.29
Lucky Hill Pen	.95	.78	18	2	..
Newry	2.73	1.60	7	11	..
Nutfield A.C.	3.44	1.21	12	9	..
Oracabessa	3.97	.93	12	11	4.01
Orange River	4.54	1.52	24	14	..
Platfield L.S.	1.70	.51	4	9	..
Port Maria	2.90	.84	12	14	3.28
Quebec	..	..	..	..	3.40
Retreat	1.52	.58	19	6	..
Richmond	3.36	.97	23	11	3.92
Warwick Castle L.S.	4.62	1.06	24	14	..
Water Valley	3.20	.75	24	7	4.13
Wentworth	..	..	..	..	..
Western St. Mary L.S.	5.10	2.00	23	7	..
Wey Hill P.W.D.	1.69	.51	4	9	..
Windsor Castle	4.38	1.92	24	11	5.06
Portland					
Balcarres	7.44	2.60	4	10	6.06
Belvedere	7.29	3.51	24	11	6.53
Boston	2.39	.45	7	13	4.18
Boundbrook L.S.	1.38	.30	3	8	..
Buff Bay	3.19	1.50	23	6	4.94
Bybrook	5.64	1.28	13	15	..
Caenwood	3.65	2.50	24	7	..
Cedar Hurst	5.18	3.40	4	11	3.49
Chepstowe	6.69	1.78	24	12	..
Darley	3.24	1.03	23	7	..
Eccleadown L.S.	3.70	.90	24	8	..
Fellowship	3.92	1.00	24	10	6.72
Fruitful Vale	4.46	.90	4	12	..
Hope Bay	3.11	1.10	23	8	3.84
Lennox	5.20	3.10	24	6	3.91
Manchioneal	1.54	.74	4	5	3.58
Millbank	8.40	2.44	4	11	10.33

Stations	March, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland *contd.*	Ins.	Ins.			Ins.
Moore Town	5.14	2.10	24	10	10.13
Mt. Holstein	6.93	2.90	4	11	6.68
Mt. Pleasant L.S.	3.40	2.20	24	3	..
Passley Garden	.30	..	..	..	4.03
Plum Valley	9.12	3.88	24	11	..
Port Antonio	1.38	.30	3	8	4.59
Priestmans River	2.23	.45	10	10	3.45
Shrewsbury	5.92	1.20	24	11	8.23
Spring Garden	5.68	2.39	23	11	4.58
Swift River	N.A.	..	..	..	..
Titchfield Sch. P.A.	2.04	.47	7	8	..
Windsor A.C.	6.12	2.29	24	7	..
St. Thomas					
Barretts Gap	5.93	3.00	4	8	..
Bath	4.77	2.05	4	9	4.04
Bowden Pen	11.28	3.20	3	14	..
Buckingham L.S.	.55	.27	8	3	..
Cedar Valley	1.70	.70	4	6	2.71
Clifton Hill Est.	3.26	1.30	4	8	..
Coley	.97	.55	4	3	2.51
Duckenfield	2.66	1.20	5	7	..
Easington	.96	.32	4	9	1.33
East Prospect	4.65	1.50	4	9	2.59
Golden Grove G.G.E.	N.A.	..	..	..	..
Golden Grove J.S.E.	1.50	.45	5	4	..
Llandewey	.30	.15	5, 7	2	..
Lloyds	1.49	.64	4	5	..
Morant Bay	2.58	.75	4	7	1.80
Morant Pt. Lighthouse	3.99	1.50	4	11	2.11
Pera	N.A.	..	..	..	..
Plantain Garden River	3.25	1.65	4	5	..
Pleasant Hill	2.97	2.27	6	6	2.78
Rowlandsfield L.S.	2.52	1.30	4	4	..
Spanish Wood	2.88	1.60	4	4	..
Stokes Hall	N.A.	..	..	..	..
Trinityville	.85	.50	4	2	1.52
Wheelersfield	2.28	1.24	4	5	..
Yallahs	1.25	.54	4	5	0.98
Kingston and St. Andrew					
Bamboo Avenue	2.74	1.25	2	5	..
Brandon Hill	5.53	2.10	4	6	..
Cavaliers	1.16	.45	4	7	..
Clifton Pen	1.93	.66	21	4	1.02
Constant Spring F.P.	2.91	1.54	2	8	..
Constant Spring Ch. Rd	2.78	1.58	2	13	..
Dallas Castle	1.69	1.25	2	5	1.64
Fort George	3.19	.80	31	11	..
Golden Spring	2.50	.60	4	8	..
Gordon Town	2.29	1.25	2	5	1.65
Guava Ridge	1.77	.65	2	5	1.71
Halfway Tree	1.79	.83	2	4	0.93
Harbour Head	1.31	1.20	2	2	..
Hardware Gap	5.40	2.20	4	13	4.08
Hardware Gap F.D.	1.37	.31	11	7	..
Hermitage	2.52	.57	4	13	2.10
Hill Gardens	7.06	2.47	4	14	4.32

Stations	March, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Kingston and St. Andrew *contd.*	Ins.	Ins.			Ins.
Hope Farm	2.02	.98	2	6	1.96
Hope Laboratory	2.51	.95	2	6	..
Hope Waterworks	1.91	.82	2	5	..
Irish Town	1.22	.50	2	5	1.94
Iver	1.28	.38	18	7	..
King's House Gardens	3.15	1.64	19	7	1.47
Lawrence Tavern	2.28	.72	7	7	2.53
Mavis Bank	2.56	.70	2, 4	8	1.71
Mt. Airy	6.49	3.10	4	7	..
Mt. Cressy	9.18	4.30	4	17	..
Red Hills	1.40	.72	2	7	2.31
Rose Hill	1.44	.31	11	8	3.84
Salisbury Plain A.C.	2.04	1.11	8	6	..
Sea View F.P.	3.18	1.00	31	12	..
Shortwood College	2.60	1.67	2	6	..
Stony Hill	1.48	.52	4	7	2.84
Twickenham Pen	1.33	.53	21	5	..
Up Park Camp	1.28	.54	4	4	..
Kingston	..	..	..	..	..
Kingston P.W. O.	.84	.47	21	3	0.81
Palisadoes	1.07	.43	5	5	..
Parade Gardens	.84	.45	21	3	..
Plumb Pt. Lighthouse	0.00	0.00	..	0	0.81
St. Georges College	.83	.34	4, 21	5	..
Upper Kingston	1.07	.43	5	5	0.90
St. Catherine					
Above Rocks	1.97	.90	10	8	..
Bellas Gate	1.97	.70	6, 31	4	2.25
Bog Walk	3.50	1.50	7, 9	3	2.14
Browns Hall	3.10	1.25	6	5	4.35
Carew Castle	1.92	.74	7	10	2.81
Ewarton	1.76	.46	31	10	..
Ginger Ridge	3.36	1.05	31	6	..
Glengoffe	3.59	1.48	15	7	..
Grove Farm A.C.	.90	.80	4	3	..
Guanaboa Vale	1.45	1.45	5	1	3.01
Headworks	.98	.40	5	5	2.76
Hematine	.91	.32	4	9	1.54
Hog Hole	1.70	1.28	31	5	2.16
Knollis	4.94	1.94	8	8	2.97
Linstead	3.33	.92	18	10	3.00
Old Harbour	1.01	.40	4	4	2.36
Pear Tree Grove	2.99	1.40	24	5	3.80
Point Hill	3.23	1.20	6	5	4.56
Quarantine Station	.50	.26	4	3	0.62
Rio Magno	1.86	.35	15	6	4.06
Riversdale	1.18	.78	15	2	2.80
Sligoville	3.10	1.55	8	12	3.49
Spanish Town	1.12	.35	24	5	1.92
Troja	2.31	.67	5	5	2.83
Troja L.S.	1.72	.80	8	3	..
Tulloch Estate	3.74	.96	8	11	..
Twickenham A.C.	.99	..	..	4	..
Worthy Park	2.75	.68	31	6	2.85
Clarendon					
Amity Hall	1.56	.86	4	2	..
Beauchamp	.69	.33	4	3	..
Belle Plain	1.22	.66	5	4	2.64

Stations	March, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Clarendon, *contd.*	Ins.	Ins.			Ins.
Bull Head	2.14	.70	7	6	..
Carlisle	1.47	.70	4	4	..
Chapelton	1.30	.41	8	7	2.65
Colonels Ridge	2.05	.64	2	7	..
Cottage	1.39	.58	4	3	0.86
Crofts Hill	2.52	1.31	31	5	2.97
Crooked River	.58	.40	6	2	2.13
Douce Pennants	.70	.30	2	4	..
Exeter	.87	.47	4	3	1.38
Frankfield	1.30	.58	3	6	2.30
Glen Muir	0.00	.00	..	0	1.58
Hillside	1.91	.80	4	4	1.41
James Hill	1.07	.45	6	4	..
Kellitts	4.66	2.56	31	7	..
May Pen	.85	.85	3	1	2.45
Milk River	1.01	.30	2	5	1.47
Mocho L.S.	1.55	.77	24	5	2.98
Mocho P.W.D.	1.55	.32	5	5	2.98
Morelands	2.06	1.06	4	3	1.50
Peckham L.S.	.66	.24	6	7	..
Pennants	1.10	.52	8	5	..
Rock River	1.99	.83	8	5	1.41
Salt Savannah	1.25	1.00	4	3	..
Silent Hill	.03	.03	31	1	..
Spaldings	2.85	.80	8	10	2.68
Springfield	1.10	.75	11	2	1.71
Suttons J.G.R.	3.12	1.14	8	6	2.74
Suttons W.I.S.C.	1.44	.88	4	2	..
Thompson Town	1.93	.54	8	7	..
Trout Hall	.94	.40	6	5	3.24
Manchester					
Alligator Pond	0.00	.00	..	0	1.67
Christiana	.50	.20	8	4	4.00
Chudleigh	0.77	.55	31	2	3.76
Cocoawalk L.S.	.45	.45	31	1	..
Craig Head	.14	.14	11	1	..
Garlogie	2.77	.78	31	6	..
Greenvale	2.97	1.50	11	6	3.43
Grove Place	1.76	.84	31	5	..
Kendal	2.20	1.46	31	5	3.24
Mandeville	3.31	..	..	6	3.89
Mandeville Man. Hotel	2.69	1.04	31	8	..
Mile Gully	1.81	1.00	11	4	..
New Forest	..	..	..	..	..
Newport	2.76	1.37	31	6	2.94
Porus	1.94	.82	2	4	..
Retrieve	1.40	.72	2	3	1.97
Stones Hope	2.20	.87	31	7	2.64
Williamsfield J.G.R.	1.62	.82	31	4	2.77
St. Elizabeth					
Aberdeen	1.83	.54	6	7	..
Accompong	0.89	.25	16	5	..
Appleton	3.18	1.72	11	7	5.24
Balaclava	3.95	1.85	11	5	4.56
Bartons	0.00	.00	..	..	..
Black River	.71	.43	24	4	2.58
Braes River	1.98	1.80	12	2	..
Bull Savannah	.72	.36	31	4	..

Stations	March, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth *contd.*					
Fort Charles	1.12	.62	26	2	1.84
Ginger Hill	3.41	1.84	24	5	..
Goshen	1.90	1.20	11	3	..
Holland Estate	.61	.56	11	2	..
Hounslow	.83	.45	11	2	..
Ipswich	2.49	1.04	11	9	..
Lacovia	1.26	1.09	11	3	4.41
Maggotty	2.22	1.09	11	4	5.99
Mountainside	N.A.	..	..	..	2.53
Mt. Charles	1.21	.55	11	7	..
Mulgrave	1.81	.82	11	4	..
Munro	2.28	.75	11	11	3.27
Myersville	.55	.40	4	2	..
Pedro Plains	N.A.	..	..	..	1.80
Quickstep	.25	.15	10	2	..
Santa Cruz	1.87	1.30	11	3	4.59
Springfield	2.91	.72	11	8	..
Springvale	1.55	1.20	14	3	..
Torrington	2.27	.84	2	5	3.06
Treasure Beach	..	..	..	..	..
Wallingford	2.93	1.55	11	9	5.18
Warminster	2.25	..	..	..	..
Windsor	2.24	.59	31	10	3.17
Yardley Chase	..	..	..	..	..
Westmoreland					
Bath Pen L.S.	1.30	1.00	7	2	..
Baulk	2.93	1.05	8	9	..
Belle Isle	3.30	.90	5	9	4.01
Bethel Town	1.94	1.02	25	4	4.80
Blue Castle	2.23	.80	8	7	..
Bluefields	3.39	1.38	18	8	6.27

Stations	March, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland *contd.*					
Cornwall	2.02	.76	8	5	..
Darliston	3.25	1.20	6	10	6.15
Fontabelle	2.07	.74	5	9	4.54
Friendship	2.71	1.25	8	8	..
Frome	2.40	.90	5	12	..
Grange Hill	3.06	1.14	8	9	4.97
Kew Park	1.72	.48	25	8	4.32
Lambs River	6.84	2.18	6	7	..
Little London	1.10	.28	6	9	4.00
Masemure	1.84	.86	5	6	..
Meylersfield	1.45	.50	29	5	..
Midgham	2.86	1.00	5	7	..
Mint	2.97	1.20	8	9	..
Mt. Eagle	3.45	.90	8	9	..
Mt. Edgecombe	1.61	.34	8	10	4.01
Negril Pt. Lighthouse	2.59	1.05	5	10	2.87
New Market	2.38	.63	24	5	5.35
Paul Island	4.35	.60	5	6	..
Petersfield	.36	.27	24	3	..
Petersville	.99	.26	25	7	5.25
Prospect	3.52	1.12	8	9	..
Rat Trap	4.20	2.00	6	5	..
Retreat Estate	.75	.31	5	9	3.68
Retrieve	.95	.50	5	5	..
Savanna-la-Mar	1.87	1.08	8	5	3.03
Sheffield	2.22	.68	6	7	..
Shrewsbury	2.94	.85	8	11	..
Spring Garden L.S.	.94	.55	5	4	..
The Bog	2.39	.49	8	9	5.92
Waterworks Farm	2.35	1.05	8	6	4.87
Welch Pole	3.25	1.35	8	7	..
Whithorn	2.33	.87	8	4	4.81
Williamsfield	N.A.	..	..	..	..

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the raingauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The table below shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first quarter of 1946 is also compared with the averages.

COMPARATIVE TABLE OF RAIN FALL MEANS FOR MARCH, 1946 AND 1ST QUARTER 1946

Parish	Rainfall March 1946	20-Year Average	Raindays .01" or more	Rainfall Jan.-Mar.	Average Jan.-Mar.
	Inches	Inches	No.	Inches	Inches
Hanover	3.75	3.09	9.6	7.07	8.33
St. James	2.04	2.65	7.3	5.76	7.40
Trelawny	0.68	3.14	3.9	5.11	8.87
St. Ann	2.36	3.14	8.6	8.60	11.11
St. Mary	4.07	4.51	9.3	16.95	15.41
Portland	4.59	6.38	9.3	19.97	24.78
St. Thomas	3.13	2.07	6.5	10.36	8.30
St. Andrew	2.82	1.95	6.9	7.52	6.78
Kingston	0.77	0.60	3.5	1.85	2.06
St. Catherine	1.98	2.46	5.6	6.64	7.24
Clarendon	1.59	2.26	4.4	4.48	6.51
Manchester	1.73	3.13	4.3	5.91	8.69
St. Elizabeth	1.79	3.72	4.8	6.18	8.81
Westmoreland	2.43	4.30	7.3	6.78	9.68
		70-Year Average			70-Year Average
The Island	2.52	3.33	6.8	8.69	10.54

NOTES:—As in the previous two months the rainfall was below average, the deficit being 0.81 inches or 24%. This was spread over the whole Island except for the extreme North-west (Hanover) and the South-east (St. Thomas and St. Andrew) which had falls above normal. The rainfall for the quarter will also be seen to be below average, by 17%. Portland though deficient by 1.79 inches was again the wettest parish, with St. Mary close. The month's greatest falls were experienced at Lady Hole (St. Mary) 14.86 inches and Bowden Pen (St. Thomas) 11.28 inches, while the heaviest daily falls were at Fort Stewart Land Settlement (St. Mary) 4.95 inches, and Mount Cressy (St. Andrew) 4.30 inches. Returns of no measurable rain were sent in by Falmouth, Garredu, Troy (Trelawny), Plumb Point Lighthouse, (Kingston), Glen Muir (Clarendon), Alligator Pond (Manchester), and Bartons (St. Elizabeth).

PARISH MEAN RAINFALL

In Weather Service Publication No. 701, figures for the average Parish Rainfall for the 10-Year period 1925-1934 were given in Table II. The period has now been lengthened and the table below gives the new means for the 20-Year period 1925-1944. A comparison with the previous table indicates that the total rainfall in the second decade of this period was higher than in the first decade in all parishes except St. Ann and Hanover.

MONTHLY AND ANNUAL MEAN RAINFALL—PERIOD 1925-1944 (20 YRS.)

Parish	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Hanover	2.95	2.29	3.09	6.76	10.16	10.50	8.07	8.94	8.95	10.51	6.41	2.62	81.19
St. James	2.39	2.36	2.65	5.36	8.36	6.87	4.82	6.43	6.44	9.00	7.34	2.99	65.01
Trelawny	2.94	2.79	3.14	5.38	8.56	5.08	3.96	6.27	6.33	9.16	7.68	3.86	65.15
St. Ann	4.40	3.57	3.14	5.02	7.64	4.18	3.01	4.90	4.86	8.26	9.48	6.08	64.54
St. Mary	6.17	4.73	4.51	6.05	9.01	4.85	3.75	6.06	5.84	9.93	13.93	9.44	84.27
Portland	10.26	8.14	6.38	9.81	13.14	9.06	8.76	9.96	13.77	15.64	24.77	15.71	145.40
St. Thomas	3.56	2.67	2.07	3.87	6.75	9.85	6.22	8.62	9.66	15.85	9.48	5.09	83.69
St. Andrew	2.12	2.71	1.95	4.05	7.18	5.34	4.10	7.74	8.04	12.29	9.98	3.60	69.10
Kingston	0.76	0.70	0.60	0.94	2.52	3.74	2.27	4.98	3.81	6.76	3.80	0.98	31.86
St. Catherine	2.36	2.42	2.46	4.36	7.81	5.98	4.60	7.36	6.40	10.66	6.98	3.48	64.87
Clarendon	1.88	2.37	2.26	4.45	8.49	5.95	4.65	7.46	7.38	12.23	5.56	1.88	64.50
Manchester	2.48	3.08	3.13	5.76	8.46	6.72	5.30	8.33	8.27	13.05	6.30	2.14	73.02
St. Elizabeth	2.06	3.03	3.72	6.75	8.87	5.04	5.23	8.15	7.45	11.63	5.85	2.13	69.91
Westmoreland	2.46	2.92	4.30	7.93	11.16	8.89	9.40	10.61	9.31	13.67	5.39	2.38	88.42
Means	3.34	3.13	3.10	5.46	8.43	6.58	5.30	7.56	7.61	11.33	8.78	4.46	75.07

Sunshine

The following table shows the duration of sunshine at three stations where Campbell—Stokes continuous sunshine recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Hope Laboratory	Orange River	Palisadoes
6–7 a.m.	.37	.24	.27
7–8 "	.88	.76	.91
8–9 "	.91	.84	.87
9–10 "	.91	.79	.88
10–11 "	.80	.66	.92
11–12 noon	.69	.64	.85
12–1 p.m.	.76	.75	.87
1–2 "	.74	.75	.90
2–3 "	.66	.66	.81
3–4 "	.65	.57	.82
4–5 "	.56	.45	.76
5–6 "	.21	.13	.28
Total	8.13	7.39	9.13 hours
Percentage	68%	62%	73%

Diagrammatic representation (see Weather Report No. 834) shows a minimum at all stations in the hour following 11 a.m. This is very marked in the inland stations, with a definite recovery after mid-day when the clouds must show longer breaks.

Orange River recorded over 10 hours sunshine on 25th, 27th, 28th and 30th, while Hope Laboratory measured 11.1 hours on 20th and 23rd and 10 hours or more on five other occasions. The cloudiest day at Orange River was the 4th with only 1.8 hours. At Hope Laboratory 4.3 hours was the minimum day's sunshine, recorded on 2nd and 3rd, when Palisadoes also had its dullest days with 5.4 and 4.8 hours.

Evaporation

Upper Kingston .....8.62 inches (20-year average 6.69 inches).
Negril Point .....6.13 inches.

City of Kingston

The March rainfall of 0.77 inches was above the average, as was also that for St. Andrew. Rain was seen falling in and about the area on at least 10 occasions, which compares with the "rain day" figures at the various stations. The mean temperature was the same as the average, but the relative humidity showed a slight decrease, 75% compared with the 33-year normal of 77%. The pressure also showed a decrease below average, mainly due to a trough of low pressure on 21st and 22nd on which days a fresh "Norther" was experienced.

J. T. Gilbert, B.Sc.,
Meteorological Officer.

Mereorological Office,
Palisadoes Airport,
Kingston.

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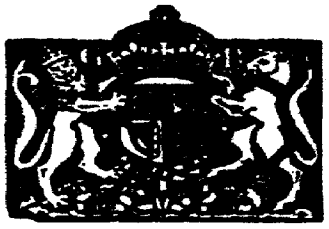
No. 837



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

APRIL, 1946

MONTHLY CLIMATOLOGICAL MEANS.

Notes—The barometric pressures at all the stations except the Hill Gardens are reduced to the standards of Kew, i.e., 32° F, gravity at Lat. 45° and mean sea level. The pressure at Hill Gardens Station is reduced to the first two standards only.

The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

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

The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus, the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.

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

Sunshine is recorded by Campbell-Stokes Sphere Recorders.

The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Barometer Pressure		Temperatures (°F)		Extreme Temperatures (°F)							Daily Sunshine (hours)
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°	°	°	°	°	°		°		°	
Morant Point Light House	8	29.969	29.261	78.8	83.5	85.3	75.7	9.6	87.2	27	68.0	19	19.2	..
Kingston	24	..	..	73.8	83.6	82.3	70.2	12.1	89.8	14	67.6	2	22.2	..
Upper Kingston ..	110	29.965	29.921	73.5	83.5	86.9	69.3	17.6	89.4	14	65.0	2	24.4	..
Negril Point Light House	33	29.969	29.933	73.8	83.1	86.3	69.7	16.6	89.4	29	66.2	2	23.2	..
Castleton Gardens ..	496	..	..	67.2	81.5	85.3	65.2	20.1	88.1	30	61.8	2	26.3	..
Hope Laboratory ..	668	..	..	71.6	82.9	86.2	65.6	20.6	89.5	17	63.0	16	26.5	8.1
Orange River Exp. Station	450	..	..	70.1	80.3	84.1	64.6	19.5	87.0	19	59.9	2	27.1	8.4
Lorrimers (Christiana) ..	..	..	..	64.3	..	78.7	60.6	18.1	83.0	4	56.0	1	27.0	..
Hill Gardens ..	4,900	..	..	59.0	64.8	69.9	55.8	14.1	74.8	10	52.5	1	22.3	..

Stations	Dewpoint and Rel. Humidity				Rainfall (Total)	Wind per diem	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	ins.	miles	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	75	86	75	77	.92	268	ENE	11	ENE	9	5.4	0.6	1.4	4.4	0.8	0.8
Kingston	67	78	72	67	2.18	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston ..	67	80	70	67	2.66	144	N	3.9	SE	11.9	..	..	..	..	..	..
Negril Pt. Light House ..	69	84	70	67	3.47	107	NE	2.4	SE	6.6	0.6	0.9	1.5	7.2	0.0	0.2
Castleton Gardens ..	66	96	73	75	1.00	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	67	86	70	66	3.87	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp., Station	69	95	70	72	3.51	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana) ..	64	98	..	..	6.54	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	54	83	60	84	2.65	..	..	..	..	..	..	..	..	..	..	..

†expressed in tenths of sky covered.

NOTE—Rainfall and Temperatures from certain stations are published in the daily Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their raingauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges a.. at present scattered thinly.

Stations	April, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	12.66	3.35	27	15	8.65
Blenheim	11.71	3.61	27	14	..
Blue Hole	10.28	5.20	25	7	4.01
Cascade	11.37	4.92	27	11	..
Copse	N.A.	..	..	..	5.91
Cousins Cove	9.04	2.07	27	22	6.45
Green Island	6.88	1.30	2	13	5.51
Green River	8.05	2.50	27	15	..
Haughton Court A.C.	6.92	2.14	27	9	3.55
Haughton Grove	9.39	1.94	25	13	7.49
Haughton Hall	9.82	1.88	27	16	5.42
Hopewell	6.12	1.58	27	8	2.95
Kendal	9.17	1.80	22	14	..
Kings Vale	3.81	.90	13	11	5.62
Knockalva	N.A.	..	..	..	..
Lucea	8.30	2.46	27	12	3.63
Santoy L.S.	8.08	2.55	27	15	..
Shettlewood	8.47	2.26	27	13	..
Trelawny					
Albert Town	5.14	1.50	4	8	6.68
Arcadia	1.30	.80	27	2	2.73
Clarks Town	1.81	1.04	27	8	4.02
Dee Side	5.64	2.25	27	9	..
Duncans	1.60	.70	27	5	3.20
Falmouth	3.32	1.00	3	5	2.20
Garredu	.45	.45	27	1	..
Harmony Hall	1.43	.42	28	5	2.24
Hyde and Gibraltar	2.65	1.96	27	6	..
Lorrimers	6.54	1.77	20	10	..
Reserve Pen L.S.	4.39	1.26	27	10	..
Stewart Town	1.24	.81	27	6	..
Troy	11.57	3.00	26	10	8.57
Troy L.S.	11.91	2.80	26	14	..
Ulster Spring	7.64	3.83	27	7	6.85
Unity L.S.	4.09	1.37	28	8	..
Vale Royal	1.58	.83	27	5	2.98
Wait-a-Bit	5.48	1.32	18	15	..
Wakefield	2.56	1.23	31	5	5.07
Warsop	8.19	1.19	12	15	8.64
St. James					
Adelphi	2.54	1.51	25	6	..
Anchovy	4.46	1.25	24	12	3.23
Cambridge	12.44	3.02	12	15	7.43
Catadupa	13.78	3.42	27	14	8.32
Cinnamon Hill	.68	.35	25	4	2.01
Cornwall	1.43	.60	25	3	..
Friendship	2.35	1.30	27	6	3.87
Irwin A.C.	1.32	1.13	27	3	2.81
Kempshot	5.40	1.59	27	9	5.16
Lapland	12.85	2.94	27	17	..
Latium L.S.	5.11	2.02	25	5	3.96
Maldon School	6.72	1.80	12	13	..
Mocho	20.53	3.90	26	16	10.89
Montego Bay	1.58	.80	27	3	3.20
Montpelier	5.57	2.27	27	11	4.04
Retirement	1.62	.70	27	7	4.74
Richmond Hill	6.05	.90	24/27	11	..
Rose Hall	.88	.50	25	4	1.94
Running Gut	1.29	1.00	25	3	1.88
Spring Estate	.55	.55	25	1	1.67
Success	.86	.27	1	4	1.95
Sweetwater	16.22	2.76	27	18	..
Tryall	1.38	1.30	25	2	2.69
Vaughansfield	8.92	5.92	25	5	..
Windsor Lodge	4.37	2.25	25	10	..
St. Ann					
Albion	4.49	2.36	27	7	4.91
Alexandria	1.91	.95	7	5	3.88
Armadale L.S.	2.61	1.06	17	5	..
Averham Park	6.89	3.60	27	7	4.91
Bel-Air	1.65	.65	27	5	4.15
Beverly L.S.	2.89	1.32	27	8	..
Borobridge	1.19	.25	20	6	..
Browns Town	2.52	1.14	27	8	3.98
Cave-Valley	2.24	.90	26	4	4.83
Claremont	3.63	1.80	27	7	4.53
Eltham L.S.	4.39	1.17	26	9	..
Exchange	3.22	1.10	29	6	..
Greenock	2.24	..	..	4	..
Home Castle	.75	.75	27	1	3.51
Knapdale	2.25	.97	27	9	5.80
Liberty Hill	2.53	1.61	27	8	4.00
Moneague	1.54	.60	23	6	4.99
New Ground A.C.	1.73	.90	23	3	..
Ocho Rios	2.25	.64	26	6	3.51
Richmond Estate	5.14	3.45	27	7	3.55
Richmond Pen	3.55	2.10	27	4	3.96
Rio Hoe	2.43	.90	27	10	4.95
Rockfield	6.92	3.41	27	14	5.08
Runaway Bay	1.83	.40	23	6	1.96
Rural Retreat	4.25	2.50	27	6	..
St. Ann's Bay	2.40	.67	27	10	3.87
Stepney	2.86	1.75	27	5	..
Thatchfield L.S.	3.31	1.35	27	6	..

N.A. = Not Available

Stations	April, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Ann, *contd.*	Ins.	Ins.			Ins.
Unity Valley	1.62	.73	23	8	5.42
Watt Town	5.39	2.47	26	7	4.08
Wilton	1.22	.95	7	4	..
St. Mary					
Agualta Vale	3.35	1.75	27	5	4.96
Albany	N.A.	..	..	..	4.84
Bundo L.S.	3.68	1.31	15	9	..
Castleton Gardens	3.53	1.00	23/24	7	6.93
Dover A.C.	3.98	1.10	22	7	6.05
Enfield	6.95	3.05	30	4	9.41
Fort Stewart	4.81	2.07	27	7	..
Fort Stewart L.S.	8.06	2.41	22	13	..
Gibraltar	2.67	.70	23	9	..
Golden Grove East	3.00	1.00	27	6	..
Golden Grove, West	2.55	.75	28	7	..
Grays Inn Central Fact.	4.47	2.20	27	6	..
Guys Hill	2.41	.80	16	4	5.45
Hampstead	6.52	2.72	27	8	5.66
Iter Boreale	2.99	1.30	27	6	..
Jacks River	4.02	1.45	27	10	..
Lady Hole	4.95	3.01	27	7	..
Lower Esher	3.21	1.25	27	9	..
Lucky Hill	4.49	1.40	27	11	4.95
Lucky Hill Pen	3.14	1.42	27	4	..
Newry	3.15	1.38	27	7	..
Nutfield A.C.	4.27	1.28	27	8	..
Oracabessa	2.75	.95	15	6	4.72
Orange River	3.51	1.17	27	10	..
Platfield L.S.	1.55	.43	16	7	..
Port Maria	2.88	1.10	27	9	4.13
Quebec	N.A.	..	..	..	4.04
Retreat	5.22	1.40	22	8	..
Richmond	2.42	1.00	27	5	4.77
Warwick Castle L.S.	4.90	2.37	27	9	..
Water Valley	3.93	1.50	28	6	4.84
Wentworth	N.A.	..	..	..	..
Western St. Mary L.S.	1.50	1.50	28	1	..
Wey Hill P.W.D.	N.A.	..	..	..	..
Windsor Castle	3.30	1.00	23	5	6.89
Portland					
Balcarres	7.27	2.64	23	8	7.22
Belvedere	5.35	2.32	28	10	7.02
Boston	3.13	.65	22	10	6.34
Boundbrook L.S.	3.35	1.28	22	11	..
Buff Bay	3.13	1.21	15	6	6.50
Bybrook	6.93	1.65	29	13	..
Caenwood	5.55	3.15	27	6	..
Cedar Hurst	3.17	1.10	23	10	7.22
Chepstowe	6.07	2.35	22	9	..
Darley	6.47	3.04	22	12	..
Ecclesdown L.S.	9.56	2.11	26	12	..
Fellowship	6.96	3.15	22	12	9.53
Fruitful Vale	8.52	2.45	23	9	..
Hope Bay	6.04	2.60	28	8	8.07
Lennox	3.10	3.00	26	2	7.77
Manchioneal	2.77	1.90	30	7	7.04
Millbank	8.54	2.25	22	12	13.96

Stations	April, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Moore Town	7.18	1.50	22	10	11.58
Mt. Holstein	4.85	2.00	27	7	7.26
Mt. Pleasant L.S.	5.54	2.05	28	6	..
Passley Garden	.83	..	..	..	7.14
Plum Valley	5.02	2.96	28	10	..
Port Antonio	3.35	1.28	22	11	6.85
Priestmans River	3.90	.74	28	13	5.53
Shrewsbury	6.54	1.79	22	14	9.98
Spring Garden	5.53	2.28	15	6	5.66
Swift River	N.A.	..	..	..	..
Titchfield Sch. P.A.	3.22	1.16	23	10	..
Windsor A.C.	5.89	1.70	22	8	..
St. Thomas					
Barretts Gap	12.45	3.90	21	13	..
Bath	4.83	1.10	23	11	6.45
Bowden Pen	10.36	3.20	22	10	..
Buckingham L.S.	3.14	.90	27	5	..
Cedar Valley	5.10	1.80	1	8	3.91
Clifton Hill Est.	4.58	1.44	1	12	..
Coley	2.40	1.55	23	9	4.10
Duckenfield	3.17	1.13	27	9	..
Easington	1.41	.35	1/29	8	1.95
East Prospect	2.49	.65	29	9	4.56
Golden Grove, G.G.E.	N.A.	..	..	..	..
Golden Grove J.S.E.	4.12	.80	27/28	10	..
Llandewey	1.77	1.00	4	5	..
Lloyds	1.03	.56	30	4	..
Morant Bay	1.73	.52	26	5	3.08
Morant Pt. Lighthouse	.92	.38	1	6	3.52
Pera	N.A.	..	..	..	..
Plantain Garden River	4.00	1.05	27	9	..
Pleasant Hill	4.36	1.16	1	11	3.92
Rowlandsfield L.S.	5.81	1.05	26	11	..
Spanish Wood	3.59	1.25	27	8	..
Stokes Hall	N.A.	..	..	..	..
Trinityville	2.50	1.00	23	6	3.72
Wheelersfield	2.83	.68	27	8	..
Yallahs	2.73	.96	29	7	1.60
Kingston and St. Andrew					
Bamboo Avenue	4.29	2.43	1	8	..
Brandon Hill	6.03	2.10	4	8	..
Cavaliers	2.80	1.00	1	11	..
Clifton Pen	2.99	1.09	3	7	1.71
Constant Spring F.P.	3.48	1.53	27	11	..
Constant Spring Ch. Rd	3.29	1.72	1	7	..
Dallas Castle	6.10	1.82	21	12	3.06
Fort George	3.14	1.20	27	13	..
Golden Spring	2.63	..	..	7	..
Gordon Town	5.19	1.90	18	8	3.37
Guava Ridge	.93	.38	3	4	2.93
Halfway Tree	2.49	1.05	1	8	1.90
Harbour Head	5.70	1.50	1	7	..
Hardware Gap	2.48	.82	1	7	6.51
Hardware Gap F.D.	3.68	.82	22	13	..
Hermitage	4.13	1.12	24	10	4.36
Hill Gardens	2.21	.65	22	8	5.60

N.A. = Not Available

Stations	April, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Hope Farm	3.80	2.35	1	8	2.93
Hope Laboratory	3.87	2.25	1	10	..
Hope Waterworks	3.32	1.86	1	8	..
Irish Town	5.11	1.50	1	6	3.94
Iver	5.21	2.69	1	8	..
King's House Gardens	3.87	1.95	1	9	2.50
Lawrence Tavern	4.62	1.75	24	8	4.80
Mavis Bank	1.08	.60	1	6	2.93
Mt. Airy	7.40	4.47	26	6	..
Mt. Cressy	10.89	4.00	27	11	..
Red Hills	5.66	1.41	15	12	4.16
Rose Hill	3.55	.84	22	12	6.81
Salisbury Plain A.C.	5.42	1.22	3/27	11	..
Sea View F.P.	3.22	1.00	27	12	..
Shortwood College	6.43	4.32	1	10	..
Stony Hill	3.11	1.10	25	9	5.22
Twickenham Pen	1.52	.45	1	7	..
Up Park Camp	2.78	1.00	1	8	..
Kingston					
Kingston P.W. O.	3.69	1.14	29	7	1.01
Palisadoes	1.97	.79	1	9	..
Parade Gardens	1.96	.70	1	8	..
Plumb Pt. Lighthouse	1.91	.81	14	6	1.13
St. Georges College	2.18	1.30	1	4	..
Upper Kingston	2.66	1.20	1	12	1.07
St. Catherine					
Above Rocks	7.02	2.05	27	10	..
Bellas Gate	6.76	2.10	27	13	3.13
Bog Walk	7.03	1.70	22	7	4.51
Browns Hall	4.84	1.04	13	10	4.17
Carew Castle	3.63	.92	18	10	5.16
Ewarton	1.78	.81	23	6	..
Ginger Ridge	8.68	2.75	27	11	..
Glengoffe	3.43	.75	17	6	..
Grove Farm A.C.	6.42	3.30	28	9	..
Guanaboa Vale	2.57	1.40	22	3	4.68
Headworks	3.04	1.76	15	7	3.59
Hematine	2.18	1.11	15	7	2.47
Hog Hole	5.07	2.21	15	8	3.18
Knollis	5.80	1.81	29	7	5.25
Linstead	3.13	.86	24	6	1.10
Old Harbour	5.65	1.18	26	10	3.14
Pear Tree Grove	.90	.90	23	1	5.48
Point Hill	4.52	1.85	22	5	5.52
Quarantine Station	1.20	.80	1	5	1.33
Rio Magno	1.77	.60	16	5	5.61
Riversdale	1.64	1.02	17	3	5.79
Sligoville	10.97	7.31	15	13	5.91
Spanish Town	4.34	2.09	15	6	2.34
Troja	1.99	.60	28	6	6.71
Troja L.S.	2.91	.94	23	5	..
Tulloch Estate	7.57	3.00	29	8	..
Twickenham A.C.	4.10	..	..	5	..
Worthy Park	1.98	.62	22	4	3.75
Clarendon					
Amity Hall	1.21	.45	26	4	..
Beauchamp	1.22	.72	1	2	..
Belle Plain	3.49	.70	22	10	4.86

N.A.= Not Available

Stations	April, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Bull Head	3.51	1.05	18	11	..
Carlisle	1.65	.77	27	4	..
Chapelton	3.76	.72	1	10	3.85
Colonels Ridge	5.32	1.91	18	9	..
Cottage	.88	.51	26	4	3.46
Crofts Hill	3.21	.71	27	7	4.44
Crooked River	4.86	1.13	23	12	5.61
Douce Pennants	1.40	.95	22	4	..
Exeter	1.70	.75	2	4	2.59
Frankfield	3.42	1.13	27	9	4.58
Glen Muir	4.20	2.00	29	4	3.70
Hillside	.54	.24	27	3	2.20
James Hill	2.95	1.23	9	4	..
Kellitts	2.44	.59	19	9	..
May Pen	3.90	2.30	29	6	3.14
Milk River	3.58	1.10	21	5	2.45
Mocho L.S.	5.60	1.43	19	9	..
Mocho P.W.D.	5.67	1.43	19	10	4.92
Morelands	.93	.52	22	3	1.57
Peckham L.S.	2.54	.87	27	6	..
Pennants	3.74	.80	19	11	..
Rock River	4.95	1.35	29	8	3.63
Salt Savannah	1.77	.95	27	4	..
Silent Hill	4.65	1.40	20	8	..
Spaldings	3.90	.88	5	10	5.03
Springfield	1.50	.65	1	3	3.27
Suttons J.G.R.	6.84	1.96	1	10	4.37
Suttons W.I.S.C.	.42	.28	1	2	..
Thompson Town	4.27	1.50	19	10	..
Trout Hall	4.99	2.05	10	10	4.96
Manchester					
Alligator Pond	4.83	2.15	15	12	3.07
Christiana	5.20	1.24	20	9	6.59
Chudleigh	5.40	1.50	20	9	6.28
Cocoawalk L.S.	3.75	2.15	27	4	..
Craig Head	9.95	4.30	26	10	..
Garlogie	7.24	1.50	27	12	..
Greenvale	10.55	2.40	5	3	6.63
Grove Place	7.37	1.97	19	8	..
Holmwood	3.84	1.07	28	8	..
Kendal	5.56	1.08	26	11	6.23
Mandeville	6.71	2.55	19	13	6.01
Mandeville Man. Hotel	6.68	2.42	19	14	..
Mile Gully	10.09	2.00	19	13	..
New Forest	N.A.	..	..	..	..
Newport	4.01	.67	15/27	13	4.78
Porus	4.44	1.25	19	9	..
Retrieve	3.56	1.05	21	5	3.37
Stones Hope	8.25	1.79	1	13	4.30
Williamsfield J.G.R.	4.24	1.10	19	14	5.32
St. Elizabeth					
Aberdeen	15.29	4.00	26	19	..
Accompong	17.17	1.80	24	21	..
Appleton	19.17	4.87	26	18	9.65
Balaclava	9.37	3.36	26	13	9.03
Bartons	12.41	2.87	13	19	..
Black River	14.45	3.16	28	14	3.92
Braes River	8.84	2.00	18	11	..
Bull Savannah	3.42	1.00	25	10	..

Stations	April, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth, *contd.*					
Fort Charles	6.36	4.00	19	6	2.46
Ginger Hill	6.31	2.32	27	15	..
Goshen	11.96	2.97	18	14	..
Holland Estate	16.68	2.25	15/29	15	..
Hounslow	8.50	1.85	21	10	..
Ipswich	12.74	2.30	26	18	..
Lacovia	9.25	1.29	2	13	7.84
Maggotty	14.89	1.79	11	18	9.97
Mountainside	N.A.	..	..	..	5.17
Mt. Charles	15.14	1.95	8	15	..
Mulgrave	13.00	1.96	26	20	..
Munro	8.45	1.81	18	15	4.36
Myersville	8.10	1.60	20	12	..
Pedro Plains	N.A.	..	..	..	2.76
Quickstep	8.40	1.36	29	12	..
Santa Cruz	12.90	2.94	19	18	8.67
Springfield	12.08	1.40	9	17	..
Springvale	13.62	1.80	30	17	..
Torrington	10.60	2.70	20	11	4.80
Treasure Beach	N.A.	..	..	..	..
Wallingford	10.04	2.94	29	22	9.71
Warminster	7.45	..	..	..	..
Windsor	10.85	2.07	19	14	5.05
Yardley Chase	4.80	1.24	19	10	..
Westmoreland					
Bath Pen L.S.	9.85	1.20	25/29	16	..
Baulk	9.08	1.40	12	17	..
Belle Isle	8.20	1.75	22	14	6.80
Bethel Town	10.40	3.10	27	12	9.57
Blue Castle	10.71	2.40	30	17	..
Bluefields	7.77	1.70	30	17	7.78

Stations	April, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland, *contd.*					
Cornwall	8.13	1.81	24	16	..
Darliston	16.47	2.98	27	20	11.26
Fontabelle	8.19	1.25	27/30	16	5.64
Friendship	7.72	1.50	22	15	..
Frome	7.37	.93	27	16	..
Grange Hill	6.98	1.30	12	18	7.71
Kew Park	9.56	1.85	27	16	8.23
Lambs River	12.25	2.30	27	18	..
Little London	6.91	1.43	13	18	5.99
Masemure	7.85	2.20	30	17	..
Meylersfield	6.39	1.24	30	13	..
Midgham	10.15	3.23	30	17	..
Mint	9.29	2.58	30	17	..
Mt. Eagle	9.27	3.20	30	17	..
Mt. Edgecombe	8.78	1.48	28	19	5.51
Negril Pt. Lighthouse	3.47	.83	30	14	3.25
New Market	10.93	1.00	1/5	19	9.94
Paul Island	6.22	1.40	30	16	..
Petersfield	10.94	2.40	25	16	..
Petersville	13.76	1.97	29	19	7.19
Prospect	9.62	1.85	22	16	..
Rat Trap	13.65	2.40	28	15	..
Retreat Estate	8.90	2.37	27	17	4.99
Retrieve	5.57	1.05	30	16	..
Savanna-la-Mar	5.86	1.27	22	12	4.98
Sheffield	7.68	1.78	30	12	..
Shrewsbury	9.31	2.04	24	16	..
Spring Garden L.S.	9.53	2.00	15	17	..
The Bog	10.74	1.97	27	22	10.24
Waterworks Farm	15.55	3.50	26	17	8.05
Welch Pole	12.66	2.60	26	18	..
Whithorn	11.84	4.00	27	11	7.64
Williamsfield	9.19	5.14	27	12	..

N.A.=Not Available

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each Parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the raingauges in the area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for Parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell.

The total rainfall for the first four months of 1946 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—APRIL, 1946

Parish	Rainfall April 1946	20-Year Average	Raindays .01" or more	Rainfall Jan.-April 1946	Average Jan.-April
Hanover ..	9.25	6.76	12.9	16.32	15.09
St. James ..	5.82	5.36	8.8	11.58	12.76
Trelawny ..	4.31	5.38	7.7	9.42	14.25
St. Ann ..	2.83	5.02	6.4	11.43	16.13
St. Mary ..	4.07	6.05	7.6	21.02	21.46
Portland ..	5.81	9.81	9.7	25.78	34.59
St. Thomas ..	4.19	3.87	7.7	14.55	12.17
Kingston & St. Andrew	4.02	4.05	8.5	11.54	10.83
Kingston* ..	2.40	0.94	7.7	4.25	3.00
St. Catherine ..	4.25	4.36	7.0	10.89	11.60
Clarendon ..	3.35	4.45	7.0	7.83	10.96
Manchester ..	6.32	5.76	11.4	12.23	14.45
St. Elizabeth ..	10.79	6.75	13.7	16.97	15.56
Westmoreland ..	9.86	7.93	16.4	16.64	17.61
		70-Year Avr.			70-Year Avr.
The Island ..	5.66	5.11	9.5	14.35	15.65

Notes: The month's rainfall over the whole Island was somewhat above average and in consequence the deficit over the period from 1st January was lessened a little. However many parishes still show a total well below normal. Portland has the greatest drop but this, because of the still heavy rainfall, is not so important as in the case of such parishes as Trelawny, St. Ann and Clarendon. The month was noteworthy for the comparatively heavy rain for the time of year in the extreme west and south-west of the Island, and the relatively light rainfall in the north-east. St. Elizabeth, followed by Westmoreland, was the wettest parish, Hanover being close behind, while Portland normally in the lead fell back to the centre of the list. The month's greatest falls were experienced at Mocho (St. James) 20.58 ins. and Appleton (St. Elizabeth) 19.17 ins., while the heaviest daily falls were at Vaughansfield (St. James) 5.92 ins. and Blue Hole (Hanover) 5.20 ins. No station sent in a return of "no measurable rain" though about half an inch only fell at Spring Estate (St. James), Garredu (Trelawny) and Suttons, W.I.S.C. (Clarendon).

* The monthly figures given above for "Kingston" are the average over an area approximately 2 miles radius from the P.W.D. Offices, and include the city of Kingston, the main part of the Harbour and the Airport.

SUNSHINE

Another Campbell-Stokes continuous sunshine recorder has been installed at Grove Place Agricultural Centre. The following table shows the duration of sunshine at the four stations where recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Laboratory	Orange River	Palisadoes
6–7 a.m.	.30	.57	.40	.58
7–8 "	.78	.88	.77	.93
8–9 "	.83	.93	.90	.95
9–10 "	.87	.87	.90	.91
10–11 "	.91	.81	.88	.91
11–12 noon	.82	.72	.84	.89
12–1 p.m.	.67	.76	.85	.88
1–2 "	.62	.56	.83	.81
2–3 "	.45	.59	.71	.74
3–4 "	.32	.56	.57	.64
4–5 "	.25	.49	.47	.60
5–6 "	.13	.36	.33	.38
Total	6.9	8.1	8.5	9.3
Percentage	55%	65%	68%	74%
No. of days over 10 hours	4	11	10	.16
Cloudiest day	23rd (0.4 hrs.)	23rd (1.2 hrs.)	23rd (2.5 hrs.)	23rd (1.5 hrs.)

The small minimum following 11 a.m., noted last month is repeated at Hope Laboratory and Orange River but is less pronounced. It disappears on the Palisadoes analysis where there is one maximum in the morning between 8 and 9 p.m. and then a steady increase of cloudiness. The new station at Grove Place has a similar trend but the maximum sunshine and least cloudiness appears from 10 to 11 a.m. while the total of 6.9 hours sunshine is the least of the four stations.

Evaporation

Upper Kingston	8.37 ins. (20 year average 7.40 ins.)
Negril Point L.H.	6.33 ins.

City of Kingston

The April rainfall of 2.40 inches was well above the average of 0.94 inches and brought the total so far for the year above normal. Rain was observed around on 13 days. The mean temperature was slightly below the average of 78.2°F there being no occasions when the temperature rose above 90°F. The relative humidity of 78% was normal and the barometer pressure showed a slight rise above the average for the month. A lunar halo was observed in the night of the 14th, 15th and 19th, and solar halos on 25th and 27th.

J. T. Gilbert, B.Sc., F.R.Met. S.,
A.M. Meteorological Officer.
Government Meteorologist.

Meteorological Office,
Palisadoes,
Kingston
1st March, 1947

Corrigenda

The following amendments or additions should be made to the rainfall statistics in the Monthly Weather Reports.

January, 1946 (No. 834)

Stations	Total Fall	Greatest Fall in 24 hours		Raindays
		Amount	Date	
	Ins.	Ins.		
Portland—				
Passley Garden ..	9.15	..	..	..
St. Thomas—				
Duckenfield ..	4.81	1.02	17	19
Golden Grove (J.S.E.) ..	4.98	.90	2	18
Plantain Garden River ..	4.82	.65	3	23
Spanish Wood ..	3.80	.90	17	15
Wheelerfield ..	3.87	1.10	3	15
St. Andrew—				
Iver	.77	..	..	7
Manchester—				
Chudleigh	1.15	1.10	3	2
Mandeville	4.26	1.35	3	7
St. Elizabeth—				
Wallingford	3.75	1.54	4	17

February, 1946 (No. 835)

St. Mary—				
Gray's Inn Central Factory	5.35	1.83	17	13
Manchester—				
Chudleigh	3.85	1.50	23	7

Kingston for the year 1945

The total rainfall, registered at the Public Works Office, Port Royal Street, was 42.01 inches, considerably lower than that at Winchester Park which is to become the official Kingston Station. Taking into account several other rain gauges in the City the mean year's total was 44.43 inches, an excess of 13.87 inches over the long period mean of 30.56 inches. August and September were the wettest months and February the driest with practically no rain. Raindays totalled 81 against an average of 79.

Both the mean barometric pressure and the mean temperature were very slightly above the normals of 29.932 inches and 78.7°F respectively. Cloudiness and humidity were also very close to normal.

Negril Point Lihgthouse

The year's rainfall was 5.44 inches in excess of the "70-year" average of 54.00 inches, the greatest monthly fall of 9.77 inches is August being almost 50% above normal. The driest month was January. The highest temperatures were recorded in July and August but were not excessive (90.6° F) while the lowest minimum recorded, 62.5° F, was in January, giving an extreme range of 28.1° F.

Morant Point Lighthouse

The total rainfall of 88.93 inches was in excess of the average of 67.00 inches by some 33% the period August to November being much wetter than normal, with September the wettest month. April was driest with only 0.80 inches against an average of 3.52 inches. No temperatures were recorded above 90°F, the highest of 89.0° being reached in July and August. The lowest minimum of 63.0° F occurred in January the extreme range thus being 26.0°F.

Tropical Disturbances

No tropical storms or hurricanes affected Jamaica during the year. During early August a moderate disturbance passed south of Puerto Rico but broke up off the coast of the Dominican Republic and, moving westwards, gave rise to an area of squally weather passing Kingston during the 5th. Towards the end of the month a trough of low pressure crossed Jamaica and developed into a small storm of moderate intensity over Belize, moving westwards. During September a hurricane moved up from the E.S.E. to the Turks and Caicos Islands, causing destruction and loss of life on the night of the 13th. A moderate storm formed to S.W. in October but moved off North Westward to Honduras.

Northers

Northers were recorded in Kingston on 1st 2nd and 3rd of December and again on 19th and 20th, while Negril noted a heavy swell from north on 5th.

KINGSTON JAMAICA.—Mean Meteorological Results for the Year 1945, Latitude 17° 58′ North. Longitude 76° 48′ West.

Month	Mean Pressure	Air Temperatures. (Fah.)									Dew Point			Relative Humidity			Amount of Cloud†			Rainfall Inches			Weather No. of days of					Wind No. of observations‡								
		7 a.m.	3 p.m.	Mean	Means of		Absolute Max. and Min.				7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	Total	Max.	Date	Thunderstorm	Rain	Clear Sky	Overcast	Gales	N.	NE.	E.	S.E.	S.	SW.	W.	NW.	Calm
					Max.	Min.	Max.	Date	Min.	Date																											
	Ins.	°	°	°	°	°	°		°		°	°	°	%	%	%																			
Jan.	29.990	69.2	83.0	75.9	85.7	67.7	89.6	2	63.5	9	62	69	64	78	62	73	4.8	4.5	4.6	1.30	1.26	13	..	2		4	..	14	3	4	23	4	1	2	5	6
Feb.	30.008	69.5	83.0	76.4	86.8	68.4	90.0	27	64.4	4	63	69	65	81	62	76	3.3	5.2	4.3	0.03	0.02	7	..	2		2	..	8	1	2	22	4	1	..	5	13
Mar.	29.967	71.3	83.5	77.0	87.0	68.2	90.9	5	66.1	3	63	69	65	74	61	71	3.0	5.2	4.1	0.70	0.54	22	..	2		..	..	10	..	3	29	1	..	1	10	8
April	.955	74.7	82.7	78.4	87.0	71.2	89.6	10	66.9	1	67	70	68	75	66	72	2.7	6.3	4.5	0.51	0.30	7	..	2		3	..	14	2	1	30	2	..	..	3	8
May	.908	76.6	83.6	79.7	87.5	73.1	90.0	30	71.1	13	69	72	70	78	69	75	5.9	6.4	6.1	3.16	1.12	7	..	13		10	..	9	1	3	22	5	3	1	4	14
June	.931	79.7	87.1	82.9	91.0	75.6	94.1	30	73.1	4	70	73	71	73	64	70	4.3	4.8	4.6	1.25	0.79	3	1	3	No Reports	4	..	12	..	5	36	..	..	..	2	5
July	.945	79.1	87.0	82.6	91.0	75.4	97.3	30	73.0	26	71	75	72	77	69	74	5.9	6.8	6.3	1.07	0.49	26	3	4		6	..	11	..	6	33	..	..	1	4	7
Aug.	.915	77.2	83.7	80.5	88.6	74.4	92.3	3	70.3	21	72	75	73	84	77	81	5.8	7.9	6.9	13.53	4.35	27	1	14		8	..	11	1	10	21	2	..	..	4	13
Sept.	.902	76.4	83.4	79.8	87.3	73.9	92.8	18	70.2	23	72	77	74	88	81	85	5.7	7.5	6.6	11.45	2.25	3	..	16		10	..	6	..	13	25	1	..	..	2	13
Oct.	.893	75.3	83.9	79.3	87.2	72.7	89.4	21	71.0	27*	71	75	72	86	75	83	4.8	6.0	5.4	5.63	2.11	1	..	9		8	..	10	2	6	24	2	1	1	3	13
Nov.	.899	73.4	82.5	78.0	86.4	71.5	88.9	6	69.0	19	69	74	71	88	74	84	5.6	7.0	6.3	5.94	1.73	13	1	14		7	..	16	1	3	16	5	2	2	4	11
Dec.	.937	71.7	82.3	77.2	86.1	70.6	87.1	3	69.0	12	67	73	69	86	73	82	5.4	5.3	5.3	7.21	5.96	4	..	6		6	..	14	2	6	17	2	6	1	5	9
Mean Totals	29.937	74.5	83.8	79.0	87.6	71.9	91.0	..	69.0	..	68	73	70	81	69	77	4.8	6.1	5.4	51.78	..	..	6	87	..	68	..	135	13	62	298	28	14	9	51	120

*And other days. †Incomplete data. ‡Wind and Cloud observation taken at the Airport.

Barometer Pressure reduced to the Standards of National Physical Laboratory 32°, Gravity at Latitude 45°, and to mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Altitude of Standard Barometer above Mean Sea Level 24 ft. Height of Thermometers above ground 4 ft. of Rain-gauge above ground 3 ft. Height of Anemometer above ground 50 ft.

NEGRIL POINT LIGHT HOUSE, JAMAICA.—Mean Meteorological Results for the year 1945. Latitude 18° 15′ North. Longitude 78° 23′ West.

Month	Mean Pressure	Air Temperatures (Fah.)								Dew Point			Relative Humidity			Amount of Cloud			Rainfall Inches			Weather No. of days of					Wind No. of observations								
		7 a.m.	3 p.m.	Mean	Means of		Absolute Max. and Min.																												
					Max.	Min.	Max.	Date	Min.	Date	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	Total	Max.	Date	Thunderstorm	Rain	Clear Sky	Overcast	Gales	N.	NE.	E.	S.E.	S.	S.W.	W.	NW	Calm
	Ins.	°	°	°	°	°	°		°		°	°	°	%	%	%																			
Jan.	29.998	71.6	82.2	75.8	83.6	67.9	86.6	16	62.5	7	66	67	67	80	61	71	3.6	4.9	4.2	0.51	0.21	9	..	4	12	5	..	15	26	3	7	2	2	2	5	..
Feb.	30.015	72.2	82.7	76.7	85.4	68.4	87.5	11	65.3	13*	66	67	67	81	62	72	2.6	5.6	4.1	2.05	1.34	17	..	10	12	2	..	10	18	8	7	10	1	1	..	1
Mar.	29.984	74.7	82.8	77.6	85.9	68.9	88.4	4	64.3	29	67	69	68	76	71	74	1.8	5.5	3.6	3.23	0.80	31	..	9	11	4	..	8	15	10	11	8	1	1	2	6
April	.952	76.8	83.3	78.3	85.2	69.9	87.3	* 17	64.4	1	68	70	69	78	66	72	2.5	7.4	4.9	8.35	2.07	21	..	12	4	7	..	6	18	6	14	5	1	5	2	3
May	.912	79.3	84.0	79.9	86.5	71.7	88.6	31	67.5	9	70	71	70	74	64	69	5.8	6.8	6.3	2.41	0.89	21	3	8	8	8	..	7	13	8	16	3	2	..	7	6
June	.936	81.1	85.4	81.6	88.1	73.7	90.4	* 7	70.3	18	72	73	72	75	70	73	2.9	6.5	4.7	8.55	2.41	1	10	16	6	7	..	5	18	4	22	1	3	2	1	4
July	.954	80.3	83.7	80.7	87.9	73.0	90.6	5	70.5	4	72	75	73	77	73	75	5.3	8.4	6.8	9.01	3.30	10	14	21	2	9	..	4	20	10	14	2	1	2	3	6
Aug.	.916	77.8	83.2	80.0	87.6	73.2	90.6	8	69.3	17	73	74	73	84	75	80	7.0	8.8	7.9	9.77	1.60	24	22	17	..	26	..	4	26	5	17	1	1	1	4	3
Sept.	.899	77.3	83.3	80.0	87.7	73.8	90.3	13	69.8	23	71	74	72	83	73	79	6.3	8.5	7.4	5.41	2.13	24	14	16	5	16	..	6	20	6	23	3	..	1	..	1
Oct.	.886	75.5	84.7	79.3	86.3	72.8	89.6	28	69.7	6	69	74	71	89	72	83	7.1	7.2	7.1	4.96	1.68	17	7	14	5	10	..	5	12	7	25	4	2	1	3	3
Nov.	.890	74.5	83.3	78.3	86.0	71.4	88.4	6	65.3	10	68	71	69	85	70	78	5.7	7.0	6.4	1.91	0.53	18	2	8	3	9	..	19	18	6	12	..	1	..	2	2
Dec.	.942	72.1	83.5	77.2	85.3	69.7	90.0	12	64.3	7	66	70	68	83	63	74	4.3	5.9	5.1	3.28	2.02	10	1	6	12	5	..	13	25	3	9	1	2	4	5	..
Means Totals	29.940	76.1	83.5	78.8	86.3	71.2	89.0	..	66.0	..	69	71	70	80	68	75	4.6	6.9	5.7	59.44	..	..	73	141	80	108	..	102	229	76	177	40	17	20	34	35

*And other days.

Barometer Pressure reduced to the Standard of National Physical Laboratory 32°. Gravity at Latitude 45° and to Mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Altitude of Standard Barometer above Mean Sea Level 33 ft. Height of Thermometers above ground 4 ft. 6 inches. Height of Rain-gauge above ground 6 ft. 5 ins. Height of Anemometer above the ground 94 ft. to the 31st May, 1935, and 22 ft. above ground from 1st June, 1935.

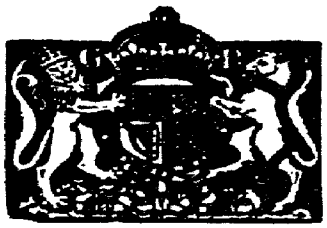
MORANT POINT LIGHT HOUSE, JAMAICA.—Mean Meteorological Results for the Year 1945. Latitude 17° 56′ North. Longitude 76° 12′ West.

Month	Mean Pressure	Air Temperatures (Fah.)									Dew Point			Relative Humidity			Amount of Cloud			Rainfall Inches			Weather No. of days of						Wind No. of observations								
		7 a.m.	3 p.m.	Mean	Means of		Absolute Max. and Min.				7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	Total	Max.	Date	Thunderstorm	Rain	Clear Sky	Overcast	Gales	N.	NE.	E.	SE	S.	SW.	W.	NW	Calm
					Max.	Min.	Max.	Date	Min.	Date																											
	Ins.	°	°	°	°	°	°		°		°	°	°	%	%	%																				
Jan.	30.003	75.6	80.1	77.0	82.2	72.2	84.2	16	63.0	27	71	72	71	85	78	83	7.8	6.8	7.3	4.82	1.35	10	..	10	7	13	..	7	33	15	2	..	..	3	2	..
Feb.	30.002	77.1	80.1	78.0	82.2	74.5	84.4	22	68.0	9	73	74	73	89	83	86	7.3	6.9	7.1	2.94	0.56	11	..	14	8	7	..	3	22	30	..	..	..	..	..	1
Mar.	29.995	77.2	80.7	78.1	82.8	73.7	85.0	12	64.0	22	72	75	73	84	80	82	7.2	6.0	6.6	1.10	0.21	15	..	12	9	9	..	1	27	31	..	..	..	2	1	..
April	.960	79.0	83.0	79.9	84.8	74.8	87.0	26	69.0	25	73	74	73	83	74	81	5.7	5.9	5.8	0.80	0.16	18	..	9	13	6	..	..	13	42	..	..	..	1	3	1
May	.909	80.0	83.3	80.5	85.9	74.9	88.0	15	67.2	14	74	75	74	83	76	81	7.5	7.8	7.6	5.46	2.25	26	1	11	5	15	..	8	27	26	..	..	..	..	..	1
June	.945	82.1	85.0	82.8	86.8	79.5	88.5	28	74.0	4	78	78	78	86	79	83	7.6	6.7	7.2	2.04	0.52	1	..	12	5	11	..	..	6	53	..	..	..	..	1	..
July	.961	82.1	85.1	82.7	87.2	78.4	89.0	6	71.0	15	79	79	79	89	83	87	7.9	7.4	7.6	7.20	2.48	14	1	16	3	14	..	1	10	51	..	..	..	..	..	..
Aug.	.912	82.3	84.7	82.5	86.9	78.0	89.0	3	73.0	18	78	79	78	88	83	86	8.6	8.1	8.3	10.48	1.72	28	1	22	1	19	..	4	7	46	1	1	..	3	..	..
Sept.	.907	81.6	83.0	81.4	86.0	77.2	88.4	9	71.5	30	78	80	79	87	88	87	8.4	8.3	8.4	17.49	6.40	29	1	22	2	18	..	5	6	38	8	2	1	..	..	..
Oct.	.891	80.0	83.5	80.8	85.5	76.2	87.2	14	70.3	31	76	77	76	89	83	87	8.0	7.5	7.7	14.32	6.30	1	2	19	4	15	..	3	9	24	18	1	..	4	..	3
Nov.	.886	77.6	81.9	78.8	84.4	73.3	87.5	5	65.0	24	74	76	75	90	83	88	8.0	7.8	7.9	16.00	3.77	13	1	20	3	13	..	10	19	19	6	..	..	4	..	2
Dec.	.943	77.9	80.9	78.9	83.1	75.8	85.0	11	70.0	5	75	76	75	90	86	88	8.4	7.4	7.9	6.28	1.72	1	..	13	5	13	..	7	25	25	4	..	..	1	..	..
Means Totals	29.945	79.4	82.6	80.1	84.8	75.7	86.9	..	68.8	..	75	76	75	87	81	85	7.7	7.2	7.4	88.93	..	..	7	180	65	153	..	49	204	400	39	4	1	18	7	8

*And other days.

Barometer Pressure reduced to the Standard of National Physical Laboratory 32°. Gravity at Latitude 45° and to Mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Altitude of Standard Barometer above Mean Sea Level 8 ft. Height of Thermometers above ground at 4 ft 6 ins. Height of Rain-gauge above ground 3 ft. Height of Anemometer above ground 18 ft.

No. 838



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JAMAICA
WEATHER REPORT
FOR THE MONTH OF
MAY, 1946

MONTHLY CLIMATOLOGICAL MEANS.

Notes—The barometric pressures at all the stations except the Hill Gardens are reduced to the standards of Kew, i.e., 32° F, gravity at Lat. 45° and mean sea level. The pressure at Hill Gardens Station is reduced to the first two standards only.
The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.
The miles of wind per diem are measured by Robinson's Cup Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.
The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus, the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.
The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.
Sunshine is recorded by Campbell-Stokes Sphere Recorders.
The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Barometer Pressure		Temperatures (°F)					Extreme Temperatures (°F)					Daily Sunshine (hours)
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°	°	°	°	°	°		°		°	
Morant Point Light House	8	29.943	29.906	80.1	83.8	85.9	77.3	8.6	87.6	20	71.7	10	15.9	..
Kingston	24	..	..	77.3	84.7	88.5	73.4	15.1	91.8	5	70.7	9	21.1	..
Upper Kingston ..	110	29.937	29.896	78.3	84.9	88.3	72.7	15.6	91.1	12	69.2	2	21.9	..
Negril Point Light House	33	29.934	29.909	78.2	83.4	86.9	71.8	15.1	88.9	30	68.9	1	20.0	..
Castleton Gardens ..	496	..	..	70.3	80.6	85.8	68.6	17.2	88.6	12	65.6	2	23.6	..
Hope Laboratory ..	668	..	..	76.4	85.1	89.2	67.5	21.7	92.7	12	64.1	4	28.6	7.45
Orange River Exp. Station	450	..	..	70.1	80.0	85.8	65.8	20.0	88.5	29	62.3	17	26.2	6.34
Lorrimers (Christiana) ..	..	..	..	66.8	..	79.1	64.5	14.6	82.0	5*	60.0	15*	22.0	..
Hill Gardens ..	4,900	..	..	60.0	66.2	69.9	57.8	12.1	75.2	14	55.3	15	19.9	..

Stations	Dewpoint and Rel. Humidity				Rainfall (Total)	Wind per diem	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	ins.	miles	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	76	89	77	81	4.19	302	E	13.0	E	12.0	5.4	0.7	2.6	4.8	0.7	2.6
Kingston	70	77	73	69	0.87	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston ..	69	74	72	66	0.26	177	N	3.3	SE	14.9	..	..	..	..	..	..
Negril Pt. Light House ..	70	76	72	70	1.61	122	ENE	2.3	SE	7.2	0.6	0.3	3.6	7.2	0.9	0.2
Castleton Gardens ..	69	96	75	82	7.67	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	70	82	70	61	1.06	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp., Station	69	98	73	79	5.30	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana) ..	65	95	..	..	3.86	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	56	86	62	88	1.23	..	..	..	..	..	..	..	..	..	..	..

† Expressed in tenths of sky covered. * and on other days.
Note—Rainfall and Temperatures from certain stations are published in the daily Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their raingauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Stations	May, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	25.50	4.00	25	25	14.23
Blenheim	19.05	2.45	9	22	..
Blue Hole	8.80	2.58	11	13	10.56
Cascade	22.50	3.80	15	27	..
Copse	N.A.	..	..	..	12.49
Cousins Cove	13.55	1.95	14	28	9.12
Green Island	22.07	3.00	15	21	8.80
Green River	13.00	2.75	16	25	..
Haughton Court A.C.	7.21	1.56	14	13	8.97
Haughton Grove	22.73	3.72	5	26	14.47
Haughton Hall	14.69	2.04	20	28	7.67
Hopewell	5.14	1.05	29	17	6.97
Kendal	25.06	2.14	20	26	..
Kings Vale	7.74	2.24	14	19	10.66
Knockalva	N.A.	..	..	..	..
Lucea	7.58	2.66	11	11	8.32
Santoy L.S.	15.92	3.23	15	28	..
Shettlewood	19.15	4.00	25	21	..
Trelawny					
Albert Town	7.63	1.80	23	8	11.09
Arcadia	5.07	1.62	23	5	5.11
Clarks Town	2.82	.83	22	14	7.30
Dee Side	21.41	5.50	30	25	..
Duncans	2.82	1.29	29	4	4.82
Fairmouth	3.08	1.15	29	6	4.40
Garredu	3.50	1.25	30	5	..
Harmony Hall	5.29	1.70	15	7	4.50
Hyde and Gibraltar	8.81	1.63	22	12	..
Lorrimers	3.86	1.32	20	10	..
Reserve Pen L.S.	N.A.	..	..	..	..
Stewart Town	7.97	3.15	23	13	..
Troy	10.50	2.18	7	13	15.03
Troy L.S.	13.26	3.29	7	17	..
Ulster Spring	7.03	2.72	23	12	11.93
Unity L.S.	14.73	2.00	5	24	..
Vale Royal	5.00	1.51	22	9	5.90
Wait-a-Bit	9.89	2.50	22	15	..
Wakefield	11.68	1.70	5	16	9.92
Warsop	8.66	1.55	6	16	14.72
St. James					
Adelphi	9.46	1.46	22	14	..
Anchovy	10.83	1.41	26	25	7.46
Cambridge	16.21	2.84	19	21	13.60
Catadupa	11.99	2.44	26	18	16.10
Cinnamon Hill	4.21	1.25	29	5	4.97
Cornwall	4.80	1.25	30	5	..
Friendship	11.00	2.17	30	18	8.04
Irwin A.C.	10.36	2.03	30	18	8.30
Kempshot	12.55	2.40	23	21	10.37
Lapland	14.16	2.59	4	19	..
Latium L.S.	N.A.	..	..	..	9.98
Maldon School	12.08	2.55	11	18	..
Mocho	13.77	3.45	4	16	18.60
Montego Bay	8.70	1.87	26	11	7.18
Montpelier	14.35	2.84	26	22	10.59
Retirement	12.78	1.85	30	16	8.71
Richmond Hill	17.28	1.73	26	26	..
Rose Hall	4.17	1.26	29	5	4.60
Running Gut	4.53	1.55	29	5	4.96
Spring Estate	3.03	1.52	30	4	4.28
Success	3.24	.90	29	5	4.48
Sweetwater	14.53	3.20	4	22	..
Tryall	3.87	1.75	30	5	6.07
Vaughansfield	3.60	3.00	4	11	..
Windsor Lodge	10.15	2.15	5	19	..
St. Ann					
Albion	5.22	2.00	23	12	8.45
Alexandria	3.79	1.50	14	8	7.14
Armadale L.S.	3.97	1.50	6 14	8	..
Averham Park	6.83	2.20	22	13	7.26
Bel-Air	2.65	1.40	25	3	6.54
Beverly L.S.	1.01	.50	25	3	..
Borobridge	3.17	.74	23	7	..
Brown's Town	3.39	1.06	22	9	8.76
Cave Valley	6.28	1.80	19	9	9.36
Claremont	4.41	.72	20	12	7.32
Eltham L.S.	2.72	1.25	22	4	..
Exchange	2.35	.96	29	5	..
Greenock	6.28	..	..	9	..
Home Castle	6.50	1.22	22	9	6.08
Knapdale	1.55	.80	22	9	8.86
Liberty Hill	2.18	.86	25	7	4.97
Moneague	7.53	1.93	23	13	8.55
New Ground A.C.	3.03	1.90	26	5	..
Ocho Rios	2.18	.90	15	6	5.69
Richmond Estate	1.75	1.10	25	4	5.94
Richmond Pen	4.56	2.40	14	8	7.16
Rio Hoe	8.40	1.88	23	13	7.98
Rockfield	2.95	1.32	25	10	6.34
Runaway Bay	1.55	.92	25	2	3.17
Rural Retreat L.S.	4.85	1.25	21	8	..
St. Ann's Bay	.88	.50	26	3	5.65
Stepney	5.18	2.55	5	6	..
Thatchfield L.S.	N.A.	..	..	..	..

*Report from Reserve Pen Land settlement ceased this month.
N.A.=Not Available

Stations	May, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Ann, *contd.*	Ins.	Ins.			Ins.
Unity Valley	8.52	1.62	..	18	8.35
Watt Town	3.66	1.00	1	11	7.47
Wilton	3.25	1.07	25	9	..
St. Mary					
Agualta Vale	2.45	1.30	23	5	6.04
Albany	N.A.	..	..	..	7.03
Bundo L.S.	1.83	1.40	23	4	..
Castleton Gardens	7.67	1.79	23	16	12.67
Dover A.C.	.77	.50	24	2	6.55
Enfield	.93	.93	23	1	10.90
Fort Stewart	.07	.07	22	1	..
Fort Stewart L.S.	1.84	.58	16	7	..
Gibraltar	.49	.35	23	3	..
Golden Grove East	.00	..	..	0	..
Golden Grove, West	.00	..	..	0	..
Grays Inn Central Fact.	1.35	.80	26	3	..
Guys Hill	12.65	2.57	12	13	7.84
Hampstead	5.50	3.20	23	4	7.32
Iter Boreale	.00	..	..	0	..
Jacks River	3.67	2.75	23	4	..
Lady Hole	1.42	.45	21	5	..
Lower Esher	3.36	1.35	30	7	..
Lucky Hill	10.71	4.81	23	11	8.15
Lucky Hill Pen	8.23	3.74	23	12	..
Newry	1.50	.55	25	6	..
Nutfield A.C.	1.78	1.14	29	5	..
Oracabessa	1.96	1.34	23	3	8.48
Orange River	5.30	3.05	23	14	..
Platfield L.S.	10.74	3.10	23	17	..
Port Maria	1.78	1.13	23	2	6.33
Quebec	N.A.	..	..	..	6.47
Retreat	6.00	2.50	23	5	..
Richmond	5.08	3.00	23	12	7.69
Warwick Castle L.S.	7.58	3.60	23	10	..
Water Valley	2.40	2.00	30	2	6.99
Wentworth	N.A.	..	..	..	..
Western St. Mary L.S.	8.85	3.00	23	6	..
Wey Hill P.W.D.	N.A.	..	..	..	..
Windsor Castle	12.69	3.08	23	15	8.66
Portland					
Balcarres	1.87	1.00	26	4	12.01
Belvedere	.40	.21	26	3	7.36
Boston	4.28	.79	25	14	14.36
Boundbrook L.S.	4.82	1.79	15	12	..
Buff Bay	1.03	1.03	25	1	8.09
Bybrook	.09	.08	15	2	..
Caenwood	2.80	1.35	24	5	..
Cedar Hurst	3.38	.89	19	17	9.08
Chepstowe	.47	.25	30	3	..
Darley	4.69	1.53	3	10	..
Ecclesdown L.S.	11.74	3.28	26	13	..
Fellowship	7.41	1.70	24	12	15.65
Fruitful Vale	1.48	.50	14	5	..
Hope Bay	4.90	2.20	5	5	9.94
Lennox	2.20	1.10	10:25	2	10.26
Manchioneal	4.53	1.00	26	10	12.33
Millbank	13.63	4.97	15	17	16.29

Stations	May, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Moore Town	9.64	4.55	5	15	16.54
Mt. Holstein	5.79	1.40	24	12	10.34
Mt. Pleasant L.S.	3.31	1.45	5	3	..
Passley Garden	2.59	..	..	..	9.70
Plum Valley	1.04	.95	27	2	..
Port Antonio	5.48	1.57	15	17	13.24
Priestmans River	4.04	.59	25	22	9.34
Shrewsbury	1.74	.80	24	5	13.52
Spring Garden	1.23	.72	23	4	6.85
Swift River	N.A.	..	..	..	..
Titchfield Sch. P.A.	5.28	1.33	15	16	..
Windsor A.C.	7.08	2.58	16	5	..
St. Thomas					
Barretts Gap	15.73	3.50	16:25	21	..
Bath	11.67	3.00	26	5	12.00
Bowden Pen	10.52	2.76	15	14	..
Buckingham L.S.	6.18	1.80	30	14	..
Cedar Valley	7.20	2.25	15	11	8.69
Clifton Hill Est.	7.51	2.17	26	16	..
Coley	6.62	1.50	15	17	8.91
Duckenfield	3.46	1.31	24	14	..
Easington	4.08	1.85	31	14	5.73
East Prospect	5.91	1.68	26	15	8.39
Golden Grove, G.G.E.	N.A.	..	..	..	..
Golden Grove J.S.E.	2.85	.60	25:27	10	..
Llandewey	3.24	1.05	7	7	..
Lloyds	5.26	1.23	31	10	..
Morant Bay	4.41	1.67	25	8	7.03
Morant Pt. Lighthouse	4.19	2.20	24	11	8.22
Pera	N.A.	..	..	..	..
Plantain Garden River	8.04	2.95	26	13	..
Pleasant Hill	5.87	1.22	24	20	7.31
Rowlandsfield L.S.	9.54	.70	3	18	..
Seaforth	6.44	1.27	30	21	..
Spanish Wood	3.75	1.65	24	12	..
Stokes Hall	N.A.	..	..	..	..
*Trinityville	N.A.	..	..	..	5.64
Wheelersfield	3.82	1.10	30	11	..
Yallahs	3.08	1.28	26	6	3.06
Kingston and St. Andrew					
Bamboo Avenue	.64	.48	22	5	..
Brandon Hill	8.79	2.05	16	10	..
Cavaliers	.69	.44	22	5	..
Clifton Pen	.41	.41	22	1	4.00
Constant Spring F.P.	2.30	.65	19	12	..
Constant Spring Ch. Rd	.47	.22	6	5	..
Dallas Castle	1.22	.40	15	7	4.20
Fort George	6.82	1.80	20	11	..
Golden Spring	4.83	.88	21	16	..
Gordon Town	2.75	1.18	5	5	7.05
Guava Ridge	.00	..	..	0	5.64
Halfway Tree	.00	..	..	0	4.44
Harbour Head	.67	.46	30	3	..
Hardware Gap P W.D	9.04	2.75	22	14	11.82
Hardware Gap F.D.	15.30	3.00	25	24	..
Hermitage	5.36	1.35	21	16	11.69
Hill Gardens	1.23	.25	25	13	9.40

*The Trinityville raingauge is now transferred to new location at Seaforth.
N.A. = Not Available

Stations	May, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Hope Farm	1.44	.57	6	5	6.10
Hope Laboratory	1.06	.63	22	7	..
Hope Waterworks	1.09	.36	6	7	..
Irish Town	5.46	2.20	22	11	7.33
Iver	2.46	1.10	1	5	..
King's House Gardens	.25	.11	6	3	5.61
Lawrence Tavern	8.18	2.27	21	19	9.83
Mavis Bank	.81	.20	30	7	5.64
Mt. Airy	15.41	3.30	18	15	..
Mt. Cressy	13.63	3.45	23	21	..
Red Hills	.54	.28	1	5	7.76
Rose Hill	17.53	3.00	25	19	12.37
Salisbury Plain A.C.	5.00	1.20	11-22	8	..
Sea View F.P.	3.96	1.25	20	13	..
Shortwood College	1.12	.47	19	9	..
Stony Hill	4.45	1.20	22	9	8.46
Twickenham Pen	.00	..	..	0	..
Up Park Camp	.61	.33	6	2	..
Kingston					
Kingston P.W.O.	.87	.87	6	1	3.48
Palisadoes	.86	.61	6	5	..
Parade Gardens	.27	.27	7	1	..
Plumb Pt. Lighthouse	.00	..	..	0	4.37
St. Georges College	.34	.30	6	3	..
Upper Kingston	.26	.20	6	4	3.05
St. Catherine					
Above Rocks	5.71	1.42	20	14	..
Bellas Gate	2.60	1.29	22	5	6.77
Bog Walk	6.04	1.27	22	10	9.20
Browns Hall	2.14	.46	6	7	8.38
Carew Castle	8.72	1.55	22	18	10.67
Ewarton	1.38	.65	5	8	..
Ginger Ridge	1.31	.60	15	6	..
Glengoffe	11.81	1.50	19	19	..
Grove Farm A.C.	.04	.03	1	2	..
Guanaboa Vale	.25	.25	8	1	6.59
Headworks	.33	.25	1	2	7.16
Hematine	.19	.15	30	2	5.33
Hog Hole	.23	.19	1	3	6.52
Knollis	5.13	1.84	22	10	9.77
Linstead	5.44	1.84	20	11	9.37
Old Harbour	.13	.05	6	4	5.70
Pear Tree Grove	8.32	..	..	9	8.07
Point Hill	2.66	1.25	5	4	11.32
Quarantine Station	.19	.12	31	2	2.82
Rio Magno	17.34	2.60	22	16	8.39
Riversdale	9.51	1.74	16	14	8.78
Sligoville	6.07	1.74	5	14	10.21
Spanish Town	.15	.15	30	1	5.60
Troja	12.41	2.40	28	17	10.67
Troja L.S.	15.21	2.05	21	17	..
Tulloch Estate	9.12	2.65	22	8	..
Twickenham A.C.	.00	..	..	0	..
Worthy Park	4.29	1.30	5	8	7.69
Clarendon					
Amity Hall	.96	.48	24	4	..
Beauchamp	.96	.35	30	5	..
Belle Plain	1.09	.32	1	4	7.40

Stations	May, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Bull Head	2.84	.76	27	12	..
Carlisle	.81	.26	30	4	..
Chapelton	1.80	1.11	22	9	8.77
Colonels Ridge	1.13	.27	29	6	..
Cottage	1.37	.93	30	5	4.49
Crofts Hill	3.31	2.62	6	3	8.55
Crooked River	1.58	.58	6	4	8.58
Douce Pennants	1.31	.72	22	5	..
Exeter	1.05	.60	30	3	4.72
Frankfield	3.97	1.47	22	10	9.27
Glen Muir	.00	..	..	0	5.84
Hillside	.92	.92	30	1	5.94
James Hill	6.69	1.40	1	9	..
Kellitts	2.23	.82	19	9	..
May Pen	.63	.38	15	7	6.36
Milk River	1.49	1.00	30	3	5.70
Mocho L.S.	2.34	.70	15	8	..
Mocho P.W.D.	.87	.68	15	3	9.07
Morelands	.43	.43	30	1	6.57
Peckham L.S.	4.57	.92	24	12	..
Pennants	3.51	2.56	22	6	..
Rock River	.82	.20	19	7	8.51
Salt Savannah	.65	.29	30	3	..
Silent Hill	3.11	1.10	25	6	..
Spaldings	3.33	.90	5	11	8.71
Springfield	1.05	.85	30	3	6.31
Suttons J.G.R.	1.31	.45	25	5	10.19
Suttons W.I.S.C.	.78	.24	20	6	..
Thompson Town	2.34	.70	15	8	..
Trout Hall	5.30	2.80	22	6	9.55
Manchester					
Alligator Pond	.06	.06	29	1	4.92
Christiana	3.77	2.15	25	9	10.56
Chudleigh	2.50	1.50	25	4	10.25
Cocoawalk L.S.	1.21	.87	22	2	..
Craig Head	12.20	4.27	22	8	..
Garlogie	4.15	1.00	26	10	..
Greenvale	3.04	1.25	25	10	9.53
Grove Place	1.82	.95	25	10	..
Holmwood	3.20	1.63	25	10	..
Kendal	1.79	.56	26	7	10.06
Mandeville	1.98	1.08	15	4	9.97
Mandeville Man. Hotel	2.30	1.10	15	6	..
Mile Gully	3.00	1.15	6	5	..
New Forest	.00	..	..	0	..
Newport	1.77	1.14	15	3	8.07
Porus	1.35	.46	15	5	..
Retrieve	.00	..	..	0	4.83
Stones Hope	2.22	.45	29	6	8.55
Williamsfield J.G.R.	2.10	.54	25	7	9.76
St. Elizabeth					
Aberdeen	15.61	4.03	23	16	..
Accompong	8.69	1.90	8	11	..
Appleton	12.81	4.78	22	11	13.35
Balaclava	8.82	2.50	6	7	12.59
Bartons	7.85	2.94	12	13	..
Black River	4.74	1.43	15	9	6.62
Braes River	4.90	3.20	6	4	..
Bull Savannah	.49	.21	22	3	..

Stations	May, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth, *contd.*					
Fort Charles	.00	..	..	0	4.30
Ginger Hill	16.31	3.42	23	14	..
Goshen	4.67	2.80	5	6	..
Holland Estate	10.72	3.05	7	11	..
Hounslow	1.39	.62	6	3	..
Ipswich	12.44	1.85	8	14	..
Lacovia	4.79	1.50	6	7	11.26
Maggotty	8.47	2.41	31	17	13.43
Mountainside	N.A.	..	..	..	4.67
Mt. Charles	7.72	2.35	7	13	..
Mulgrave	11.98	3.12	8	17	..
Munro	1.52	.80	23	8	6.14
Myersville	.58	.58	24	1	..
Pedro Plains	N.A.	..	..	..	3.56
Quickstep	4.00	1.25	2	4	..
Santa Cruz	5.02	2.76	6	7	11.27
Springfield	19.29	3.37	23	18	..
Springvale	16.10	4.10	7	15	..
Torrington	1.48	.60	7	4	6.45
Treasure Beach	N.A.	..	..	..	..
Wallingford	10.03	2.61	7	12	13.35
Warminster	1.25	.65	23	3	..
Windsor	2.61	1.09	6	7	8.24
Yardley Chase	.40	.35	22	2	..
Westmoreland					
Bath Pen L.S.	10.23	2.00	23	15	..
Baulk	22.07	2.50	21	24	..
Belle Isle	19.97	3.52	5	16	12.21
Bethel Town	16.98	3.25	23	16	17.36
Blue Castle	15.06	1.70	21-23	20	..
Bluefields	13.04	2.95	11	16	11.65

Stations	May, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland, *contd.*					
Cornwall	15.17	2.54	22	23	..
Darliston	22.01	2.68	14	21	16.77
Fontabelle	14.49	1.76	21	18	11.62
Friendship	16.57	2.30	7	22	..
Frome	14.26	2.40	23	17	..
Grange Hill	17.48	4.00	5	24	13.16
Kew Park	14.39	2.75	23	20	13.47
Lambs River	16.71	3.12	22	20	..
Little London	5.48	1.39	22	17	10.51
Masemure	7.99	1.29	5	18	..
Meylersfield	7.81	1.77	7	14	..
Midgham	11.87	2.00	19	19	..
Mint	18.75	4.27	5	24	..
Mt. Eagle	17.09	3.20	5	20	..
Mt. Edgecombe	9.98	1.96	22	16	8.18
Negril Pt. Lighthouse	1.61	.63	20	11	6.22
New Market	13.07	2.00	7-23	17	13.50
Paul Island	9.90	1.86	22	17	..
Petersfield	17.03	3.00	26	17	..
Petersville	10.16	2.12	7	17	11.18
Prospect	20.68	4.20	5	21	..
Rat Trap	11.93	3.10	23	12	..
Retreat Estate	4.80	1.64	20	11	8.95
Retrieve	6.78	1.34	22	13	..
Savanna-la-Mar	7.38	1.40	1	17	8.49
Sheffield	10.61	2.14	2	11	..
Shrewsbury	17.98	2.30	7	21	..
Spring Garden L.S.	4.87	1.62	2	9	..
The Bog	12.12	2.23	7	16	14.29
Waterworks Farm	16.65	4.05	26	20	12.23
Welch Pole	18.17	2.60	8	20	..
Whithorn	14.58	1.47	26	20	13.74
Williamsfield	19.17	2.50	5	22	..

N.A. = Not Available

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each Parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the raingauges in the area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The table shows the rainfall for Parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell.

The total rainfall for the first five months of the year is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—MAY, 1946

Parish	Rainfall—May, 1946			Rainfall—January to May, 1946	
	Actual	"20-Yr."† Average	Raindays	Actual	"20-Yr."† Average
	(ins.)	(ins.)	No.	(ins.)	(ins.)
Hanover ..	15.92	10.10	21.9	32.24	25.19
St. James ..	11.14	8.36	16.3	22.72	21.12
Trelawny ..	7.48	8.56	11.3	16.90	22.81
St. Ann ..	4.47	7.64	8.4	15.90	23.77
St. Mary ..	4.27	9.01	6.9	25.29	30.47
Portland	5.20	13.14	10.1	30.98	47.73
St. Thomas ..	6.78	6.75	12.2	21.33	18.92
Kingston & St. Andrew	3.74	7.18	8.8	15.28	18.01
Kingston ..	*0.43	2.52	2.3	4.68	5.52
St. Catherine ..	3.82	7.81	7.2	14.71	19.41
Clarendon ..	2.08	8.49	5.4	9.91	19.45
Manchester ..	3.45	8.46	5.7	15.68	22.91
St. Elizabeth ..	6.51	8.87	8.3	23.48	24.43
Westmoreland ..	12.77	11.16	17.2	29.41	28.77
The Island ..	†6.51	"20-Yr." 8.43	10.5	20.86	"20-Yr" Av. 23.46
	..	†"70-Yr."Av. 8.89	"45-Yr."Av. 12.0	..	"70-Yr."Av. 24.54

NOTES

*The monthly figures given above for Kingston are the average over an area approximately 2 miles radius from the Public Works Office and include the city of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources (a) The Parish averages over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means, and (b) The Divisional averages taken from "The Rainfall of Jamaica to 1939-70 Year Book", the Island means now calculated as the average of the four Divisions into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for comparison purposes.

THE MAY RAINFALL

The month's rainfall, as in the first quarter of the year, showed a deficit and over the whole Island the cumulative shortage over the period from January amounts to about 13%. It will be noted that the central and Northeastern parishes had a fall of rain well below the usual heavy May amount, strikingly so in the case of Portland, which during the last 20 years has shown large fluctuations, the falls of 4.65 and 31.12 inches in the consecutive years 1935 and 1936 being the most prominent. Clarendon suffered the most, the cumulative rainfall falling to less *than half the normal amount with the expected May rain almost non-existent.* The *parishes of Hanover, St. James* and Westmoreland at the West end of the Island, and St. Thomas at the East end, on the other hand continue the trend of excessive rainfall in these areas shown during April, Hanover being the wettest parish, followed by Westmoreland.

The month's greatest falls were experienced at Askenish (Hanover) 25.50 inches and Kendal (Hanover) 25.06 inches, while the heaviest day's falls were at Deeside (Trelawny) 5.50 inches and Millbank (Portland) 4.97 inches. Returns of no rainfall at all were sent in by Golden Grove, East and West, and Iter Boreale (St. Mary); Guava Ridge, Halfway Tree, Twickenham Pen and Plumb Point (Kingston and St. Andrew); Twickenham Agricultural Centre, (St. Catherine); Glen Muir, (Clarendon); New Forest and Retrieve (Manchester); and Fort Charles, (St. Elizabeth).

Sunshine

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.24	.62	.30	.55
7–8 "	.67	.84	.79	.76
8–9 "	.79	.89	.90	.84
9–10 "	.83	.86	.86	.91
10–11 "	.77	.79	.74	.87
11–12 noon	.82	.67	.60	.86
12–1 p.m.	.78	.75	.57	.89
1–2 "	.65	.51	.42	.79
2–3 "	.52	.52	.33	.74
3–4 "	.31	.42	.36	.64
4–5 "	.20	.33	.28	.56
5–6 "	.11	.29	.20	.43
Total	6.64	7.45	6.34	8.90
Percentage	51%	57%	49%	69%
No. of days over 10 hrs.	2	7	2	13
Cloudiest day	31st*	1st	1st	1st

*Incomplete records.

The month, as expected at this time of year with its usually heavy rainfall, was cloudy, Orange River in particular showing this with its low sunshine total, the afternoon especially giving only half last months sunshine, with the other stations showing a similar tendency.

Evaporation

Upper Kingston	9.19 ins.	(20-yr. normal 7.46 ins.)
Negril Point Lighthouse	5.54 ins.	

City of Kingston

The May rainfall of 0.43 inch was well below even Kingston's small quantity with the consequence that the total since the beginning of the year fell below normal. Rain was observed around on 12 days but no raingauge in the area showed more than 5 "raindays". The mean temperature was slightly above the average, possibly influenced by the lack of rain, the humidity lower than normal and pressure slightly higher, being relative to this same fact.

Solar halos were observed on 5 days and lunar halos on six nights; iridescent cloud was noted on 23rd.

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JAMAICA
WEATHER REPORT
FOR THE MONTH OF JUNE, 1946

MONTHLY CLIMATOLOGICAL MEANS

Notes—The barometric pressures at all the stations except the Hill Gardens are reduced to the standards of Kew, i.e., 32° F., gravity at Lat. 45° and mean sea level. The pressure at Hill Gardens Station is reduced to the first two standards only.

The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

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

The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus; the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.

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

Sunshine is recorded by Campbell-Stokes Sphere Recorders.

The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Bar Pressure		Temperatures (°F)					Extreme Temperature (°F)					Daily Sunshine (hours)
		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	29.998	29.968	81.3	84.6	86.2	79.0	7.2	87.8	7	73.4	19	14.4	..
Kingston	..	..	..	78.6	87.2	91.0	75.0	16.0	93.6	23	72.5	6	21.1	..
Upper Kingston	110	29.985	29.936	79.6	87.4	90.6	74.3	16.3	93.2	28	72.0	21	21.2	..
Negril Pt. Light House	33	29.985	29.957	78.7	84.8	88.5	73.1	15.4	92.5	6	70.5	21*	22.0	..
Castleton Gardens	496	..	..	71.2	85.4	88.8	69.3	19.5	92.0	29	66.9	5	25.1	..
Hope Laboratory	668	..	..	77.7	88.9	92.9	68.1	24.8	95.2	30	66.0	5	29.2	8.2
Orange River Exp. Station	450	..	..	75.0	83.4	87.2	68.9	18.3	89.8	29*	64.3	5	25.5	8.8
Lorrimers (Christiana)	..	..	..	68.3	..	81.4	64.1	17.3	89	13	60	11	29	..
Hill Gardens	4,900	..	..	61.9	70.1	75.0	59.3	15.7	80.2	29	57.7	24	22.5	..

Stations	Dew Point and Rel. Humidity				Rainfall (Total)	Wind per diem.	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	in.	Mls.	Dir.	mph	Dir.	mph	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	76	85	77	76	1.63	345	E	15	E	13	5.4	0.6	1.7	4.0	0.6	1.7
Kingston	70	74	72	62	.30	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston	71	71	72	62	.50	205	N	3.5	SE	18.1	..	..	..	..	..	..
Negril Point Light House	71	6	74	69	8.05	123	NE	2.9	SE	6.5	0.7	0.7	3.4	6.7	0.0	0.7
Castleton Gardens	70	97	76	75	2.63	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	71	79	69	52	.75	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp. Station	71	89	71	68	1.07	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana)	66	92	..	..	2.61	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	55	79	62	73	.91	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †In tenths of sky covered.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Stations	June, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	6.14	1.43	8	15	15.49
Blenheim	7.91	2.51	16	14	..
Bluehole	6.46	2.26	8	12	10.74
Cascade	9.97	2.40	21	13	..
Copse	N.A.	..	..	..	9.06
Cousins Cove	5.51	1.66	16	20	10.77
Green Island	7.98	2.10	14	11	11.23
Green River	10.25	2.25	8	15	..
Haughton Court A.C.	3.32	1.37	1	3	8.25
Haughton Grove	11.56	3.00	19	18	9.28
Haughton Hall	8.38	1.80	14	14	9.72
Hopewell	4.10	.68	13	12	..
Kendal	10.86	1.40	26	12	..
King's Vale	3.95	.78	26	14	10.98
Knockalva	N.A.	..	..	..	..
Lucea	2.75	1.23	15	6	7.90
Santoy L. S.	8.68	1.70	13	16	..
Shettle wood	13.26	3.24	19	15	..
Trelawny					
Albert Town	5.60	3.20	18	6	5.57
Arcadia	3.60	1.50	13	6	3.90
Clarks Town	3.83	1.07	13	7	5.02
Deeside	19.05	4.80	20	12	..
Duncans	2.67	1.15	13	4	3.96
Falmouth	1.95	1.19	19	2	2.68
Garredu	3.04	.60	18:19	7	..
Harmony Hall	2.45	1.07	13	8	2.86
Hyde and Gibraltar	3.85	.75	13	10	..
Lorrimers	2.61	.95	15	7	..
Reserve Pen L.S.	N.A.	..	..	..	..
Stewart Town	4.63	1.51	19	11	..
Troy	6.59	2.13	18	7	8.13
Troy L.S.	3.53	1.20	17	5	..
Ulster Spring	4.85	1.96	10	6	6.57
Unity L.S.	6.60	1.87	12	9	..
Vale Royal	4.16	2.32	13	6	4.09
Wait-a-Bit	4.24	1.45	18	2	..
Wakefield	4.61	1.40	12	5	6.83
Warsop	7.09	3.36	18	8	6.35

Stations	June, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days		
	ins.	ins.			ins.
St. James					
Adelphi	5.60	2.98	20	9	..
Anchovy	7.49	2.64	19	16	6.58
Cambridge	8.27	2.86	19	15	10.70
Catadupa	7.59	2.45	11	14	10.41
Cinnamon Hill	1.10	.80	25	2	3.00
Cornwall	2.46	1.60	25	3	..
Friendship	6.68	2.89	20	8	7.46
Irwin, A. C.	4.69	1.92	20	11	5.88
Kempshot	5.76	1.57	19	13	8.65
Lapland	8.80	3.05	11	12	..
Latium L. S.	N.A.	..	..	..	..
Maldon School	8.67	2.37	18	12	..
Mocho	10.04	2.15	7	12	12.55
Montego Bay	4.74	1.63	12	7	6.22
Monpelier	12.85	4.07	19	14	7.40
Retirement	4.73	2.28	20	9	7.66
Richmond Hill	12.98	1.70	19	15	..
Rose Hall	.95	.62	25	2	2.96
Running Gut	.95	.63	25	2	3.02
Spring Estate	.32	.32	25	1	2.63
Success	1.09	.83	25	2	2.52
Sweetwater	8.39	1.70	8	13	..
Tryall	.90	.90	25	1	4.84
Vaughansfield	12.75	3.50	17	5	..
Windsor Lodge	9.04	5.50	20	9	..
St. Ann					
Albion	3.75	1.06	12	6	6.06
Alexandria	2.89	1.10	8	6	4.09
Armadale L.S.	3.39	1.25	18	7	..
Averham Park	1.88	.98	17	6	4.86
Bel-Air	1.10	.55	15	4	4.04
Beverley L. S.	1.21	.60	8	4	..
Borobridge	5.40	2.10	19	5	..
Brown's Town	1.67	.78	19	5	3.91
Cave Valley	7.09	1.82	15	8	7.15
Claremont	3.13	1.34	13	7	5.01
Eltham L. S.	1.65	.52	13	5	..
Exchange	1.66	1.10	13	2	..
Greenock	N.A.	..	..	..	..
Home Castle	4.05	3.15	19	3	3.84
Knapdale	1.50	.34	19	9	4.94
Liberty Hill	2.20	1.20	13	4	3.31
Moneague	8.35	2.45	18	10	7.19
New Ground A. C.	1.39	.55	13	3	..
Ocho Rios	2.42	.99	13	5	3.45
Richmond Estate	2.34	.95	8	6	3.94
Richmond Pen	3.23	.91	19	6	4.55
Rio Hoe	3.93	1.05	19	7	7.21
Rockfield	N.A.	..	..	..	3.32
Runaway Bay	.67	.23	18	4	2.05
Rural Retreat	2.98	1.42	13	5	..
St. Ann's Bay	2.16	.85	14	4	3.72
Stepney	2.73	1.38	8	2	..
Thatchfield L. S.	2.31	.52	18	7	..

Stations	June, 1946				
	Total Fall	Greatest fall in 24 hours: Amount	Greatest fall in 24 hours: Days	Rain Days	Average
St. Ann, *contd.*	ins.	ins.			ins.
Unity Valley	4.22	1.09	19	11	7.68
Watt Town	5.63	2.20	18	8	4.01
Wilton	.91	.39	19	6	..
St. Mary					
Agualta Vale	.97	.87	14	2	3.58
Albany	N.A.	..	..	..	3.22
Bundo L. S.	2.26	.70	8	10	..
Castleton Gardens	2.63	1.50	13	4	9.18
Dover, A. C.	3.68	1.85	15	4	4.75
Enfield	.00	..	..	0	4.82
Fort Stewart	1.37	.77	8	2	..
Fort Stewart L. S.	.08	.08	1	1	..
Gibraltar	1.42	.97	15	3	..
Golden Grove, East	2.18	1.25	15	2	..
Golden Grove, West	1.85	1.00	15	2	..
Grays Inn Cen. Facty.	1.98	.88	27	4	..
Guy's Hill	2.32	.69	19	5	5.81
Hampstead	1.20	.60	8	4	3.90
Iter Boreale	2.07	1.12	15	2	..
Jacks River	3.17	.80	8	7	..
Lady Hole	1.65	.95	15	2	..
Lower Esher	.50	.16	29	4	..
Lucky Hill	1.42	.60	13	4	4.70
Luckey Hill Pen	1.10	.70	13	2	..
Newry	1.25	.78	15	3	..
Nutfield A. C.	1.42	.57	9	3	..
Oracabessa	2.84	1.09	8	10	5.30
Orange River	1.07	.56	8	6	..
Platfield L. S.	2.63	1.12	19	7	..
Port Maria	1.76	1.22	22	4	4.69
Quebec	N.A.	..	..	..	4.28
Retreat	3.25	1.70	13	5	..
Richmond	1.60	.54	18	4	5.03
Warwick Castle L.S.	3.14	.99	13	6	..
Water Valley	.99	.63	15	2	4.04
Wentworth	N.A.	..	..	..	..
Western St. Mary L.S.	1.40	1.05	13	2	..
Wey Hill P.W.D.	2.63	1.12	19	7	..
Windsor Castle	2.45	.96	19	3	5.81
Portland					
Balcarres	1.01	.52	15	3	2.49
Belvedere	2.20	1.15	8	3	2.81
Boston	7.04	2.20	15	4	11.82
Boundbrook L. S.	21.00	9.98	15	9	..
Buff Bay	4.56	2.30	15	6	6.26
Bybrook	3.34	1.90	16	6	..
Caenwood	11.90	6.20	15	5	..
Cedar Hurst	1.91	.53	8	7	6.14
Chepstowe	3.30	2.02	15	3	..
Darley Est.	19.71	10.00	15	16	..
Ecclesdown L. S.	15.22	4.66	8	14	..
Fellowship	29.11	12.85	8	12	16.86
Fruitful Vale	11.05	6.90	15	4	..
Hope Bay	15.15	7.72	15	7	8.33
Lennox	8.20	5.50	15	2	6.23
Manchioneal	3.20	1.68	15	5	8.30
Mill Bank	14.91	4.95	15	15	20.91

Stations	June, 1946				
	Total Fall	Greatest fall in 24 hours: Amount	Greatest fall in 24 hours: Date	Rain Days	Average
Portland, *contd.*	ins.	ins.			ins.
Moore Town	19.29	5.67	7	14	18.70
Mt. Holstein	1.80	.80	15	3	5.73
Mt. Pleasant	19.89	9.02	15	9	..
Passley Garden	15.85	..	..	..	13.34
Plum Valley	3.24	1.56	8	4	..
Port Antonio	23.95	11.57	15	14	14.38
Priestman's River	10.06	4.02	8	16	9.20
Shrewsbury	4.50	2.09	8	6	11.08
Spring Garden	5.32	2.55	15	7	4.32
Swift River	4.88	2.75	15	4	..
Titchfield School	22.89	10.95	16	17	..
Windsor A. C.	25.24	11.35	15	9	..
St. Thomas					
Barrett's Gap	8.05	3.05	18	10	..
Bath	6.02	1.46	8	14	11.60
Bowden Pen	14.03	3.54	13	11	..
Buckingham L. S.	2.00	1.10	25	4	..
Cedar Valley	1.80	.85	8	6	11.38
Clifton Hill Est.	3.97	2.43	18	7	..
Coley	2.26	.75	19	6	11.96
Duckenfield	3.50	1.23	17	8	..
Easington	1.72	.72	8	5	7.57
East Prospect	3.38	2.38	18	7	7.37
Golden Grove G.G.E.	N.A.	..	..	..	..
Golden Grove J. S. E	1.71	1.32	18	4	..
Llandewey	.85	.85	8	1	..
Lloyds	2.82	.82	9	5	..
Morant Bay	3.45	1.95	18	5	7.99
Morant Pt. Lighthouse	1.63	.89	18	6	5.70
Pera	N.A.	..	..	..	..
Plantain Garden R.	3.50	1.05	17	10	..
Pleasant Hill	2.26	1.11	18	8	6.99
Rowlandsfield L. S.	6.20	1.92	18	7	..
Seaforth	3.35	1.44	18	9	..
Spanishwood	2.02	1.30	17	6	..
Stokes Hall	N.A.	..	..	..	..
Wheelersfield	3.69	1.48	18	7	..
Yallahs	1.71	.96	8	2	8.21
Kingston and St. Andrew					
Bamboo Av.	.86	.80	20	2	..
Brandon Hill	1.67	1.50	13	2	..
Cavaliers	.40	.26	19	2	..
Clifton Pen	.40	25	8	2	3.75
Constant Spring	1.12	.64	16	5	..
Constant Spring Ch. Rd.	.09	.04	19	4	..
Dallas Castle	.21	.15	8	3	6.67
Fort George	1.09	.33	16	9	..
Golden Spring	2.15	1.26	19	5	..
Gordon Town	.43	.43	7	1	4.80
Guava Ridge	.57	.57	8	1	6.55
Halfway Tree	.54	.47	19	2	3.46
Harbour Head	.25	.25	8	1	..
Hardware Gap P.W.D.	2.95	1.55	19	5	7.17
Hardware Gap F. D.	7.15	1.20	22:15	13	..
Hermitage	1.44	.48	19	8	6.74
Hill Gardens	.91	.75	8	3	6.69

Stations	June, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins
Kingston and St. Andrew, *contd.*					
Hope Farm	.64	.48	19	2	4.71
Hope Laboratory	.75	.70	19	2	..
Hope Water Works	.63	.57	19	3	..
Irish Town	1.00	.60	9	2	4.48
Iver	1.67	.57	8	6	..
King's House Gardens	.52	.48	19	2	3.85
Lawrence Tavern	2.37	1.00	18	4	6.61
Mavis Bank	1.21	1.00	8	2	6.55
Mount Airy	2.70	1.52	14	2	..
Mount Cressy	2.53	1.05	13	7	..
Red Hills	1.14	.75	19	6	5.55
Rose Hill	7.31	1.23	22	15	6.17
Salisbury Plain A. C.	3.56	1.06	10	6	..
Sea View F.P.	1.24	.36	16	9	..
Shortwood College	1.53	.57	19	7	..
Stony Hill	1.19	.40	19	6	6.52
Twickenham Pen	.57	.29	19	3	..
Up-Park Camp	.53	.47	19	2	..
Kingston					
Kingston P. W. O.	.14	.14	8	1	3.08
Palisadoes	.32	.32	8	1	..
Parade Garden	.37	.21	9	2	..
Plumb Pt. Lighthouse	.62	.62	8	1	4.04
St. Georges College	.30	.15	8	3	..
Upper Kingston	.50	.31	19	3	2.78
St. Catherine					
Above Rocks	3.61	.75	13	8	..
Bellas Gate	1.36	1.06	27	2	4.59
Bog Walk	1.16	.45	20	4	7.37
Brown's Hall	1.75	1.05	27	3	9.18
Carew Castle	5.41	1.02	20	12	8.27
Ewarton	2.24	.81	15	7	..
Ginger Ridge	1.32	.90	9	6	..
Glengoffe	4.10	1.14	10	8	..
Grove Farm A. C.	.20	.18	9	2	..
Guanaboa Vale	.00	..	..	0	6.12
Headworks	.57	.36	8	3	4.61
Hematine	.63	.63	8	1	2.97
Hog Hole	.86	.84	8	3	4.46
Knollis	1.68	.56	20	5	8.69
Linstead	3.06	.87	10	9	7.36
Old Harbour	.20	.18	8	2	5.37
Pear Tree Grove	3.25	1.37	19	4	6.59
Point Hill	2.00	.80	27	4	8.46
Quarantine Station	.17	.17	8	1	2.88
Rio Magno	8.90	2.59	18	9	6.59
Riversdale	7.10	1.85	16	14	10.25
Sligoville (Highgate)	1.55	.75	19	6	8.01
Spanish Town	.91	.91	8	1	5.68
Troja (Police St.)	5.55	4.00	19	8	8.41
Troja L. S.	5.96	3.90	19	5	..
Tulloch Est.	2.48	.78	21	9	..
Twickenham A. C.	.72	.72	8	1	..
Worthy Park	1.91	.60	18	6	6.77
Clarendon					
Amity Hall	.95	.95	18	1	..
Beauchamp	.90	.90	18	1	..

Stations	June, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Belle Plain	.37	.34	8	2	7.50
Bull Head	2.26	.94	18	9	..
Carlisle	.49	.43	18	2	..
Chapelton	.99	.67	19	5	6.22
Colonel's Ridge	1.26	.65	8	7	..
Cottage	.66	.66	18	1	6.23
Croft's Hill	2.44	.71	20	5	5.03
Crooked River	2.62	1.30	8	9	7.27
Douce Pennants	1.85	.75	26	6	..
Exeter	.90	.80	18	2	7.72
Frankfield	2.52	.88	20	7	6.78
Glen Muir	.00	..	..	0	4.74
Hillside	.67	.67	18	1	8.76
James Hill	3.74	1.40	18	5	..
Kellitts	2.50	.69	15	7	..
May Pen	.38	.19	19	3	5.28
Milk River	.21	.21	18	1	5.43
Mocho L. S.	1.40	1.30	19	2	6.89
Mocho P.W.D.	1.40	1.30	19	2	..
Morelands	1.15	1.15	18	1	..
Peckham L. S.	4.23	1.11	18	10	3.25
Pennants	.90	.55	19	3	..
Rock River	34.	.24	8	2	6.14
Salt Savannah	.42	.42	18	1	..
Silent Hill	2.79	1.00	15	5	..
Spaldings	5.10	2.00	18	7	6.08
Springfield	.65	.65	18	1	8.60
Suttons J. G. R.	.41	.36	9	2	6.58
Suttons, W. I. S. C.	.80	.72	18	2	..
Thompson Town	2.29	.86	17	5	..
Trout Hall	3.23	.80	20	6	5.62
Manchester					
Alligator Pond	.00	..	..	0	4.02
Christiana	3.18	.77	21	8	6.23
Chudleigh	2.02	.65	21	6	4.93
Cocoawalk L. S.	.25	.25	6	1	..
Craig Head	4.56	1.46	24	7	..
Garlogie	2.24	.90	17	6	..
Greenvale	1.17	.40	8	5	6.54
Grove Place	.82	.25	8	6	..
Holmwood	2.77	.64	15	8	..
Kendal	1.48	.92	27	5	7.49
Mandeville	1.86	1.30	8	2	8.45
Manchester Hotel	2.57	1.77	8	4	..
Mile Gully	1.04	.45	24	3	..
New Forest	.00	..	..	0	..
Newport	.06	.06	18	1	7.50
Porus	1.43	1.08	19	2	..
Retrieve	.00	..	..	0	4.12
Stone's Hope	.11	.07	18	2	7.71
Williamsfield J. G. R.	1.07	.30	27	7	10.39
St. Elizabeth					
Aberdeen	6.11	1.94	17	9	..
Accompong	6.72	1.30	20	12	..
Appleton	6.11	2.35	21	6	6.90
Balaclava	1.75	.65	17	4	4.89
Bartons	6.23	2.32	14	8	..
Black River	1.85	.40	17	7	3.73

Stations	June, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Elizabeth, *contd.*	ins.	ins.			ins.
Braes River	.80	.53	24	3	..
Bull Savannah	.00	..	..	0	..
Fort Charles	.82	.82	24	1	2.85
Ginger Hill	10.13	1.40	21	15	..
Goshen	1.25	1.05	17	4	..
Holland Est.	6.47	1.85	17	9	..
Hounslow	1.10	1.10	17	1	..
Ipswich	3.17	1.17	21	9	..
Lacovia	1.19	.48	16	3	6.74
Maggotty	3.19	1.56	27	7	6.91
*Malvern	1.81	..	..	3	..
Mountainside	N.A.	..	..	..	3.10
Mt. Charles	4.50	.95	6	12	..
Mulgrave	6.57	1.24	8	13	..
Munro	.06	.04	18	2	6.11
Myersville	1.32	.93	17	5	..
Pedro Plains	N.A.	..	..	..	2.59
Quickstep	8.80	4.25	19	8	..
Santa Cruz	1.62	1.27	17	4	5.25
Springfield	8.29	1.60	21	11	..
Springvale	7.36	1.30	21	8	..
Torrington	.18	.18	17	1	3.62
Treasure Beach	..	..	..	..	..
Wallingford	1.60	.69	17	6	5.50
Warminster	.00	..	..	0	..
Windsor	1.57	1.40	24	4	5.84
Yardley Chase	.00	..	..	0	..
Westmoreland					
Bath Pen L. S.	9.40	1.70	8	14	..
Baulk	12.00	1.54	19	15	..
Belle Isle	10.33	2.15	18	14	9.51
Bethel Town	9.95	2.10	19	12	11.76
Blue Castle	8.62	6.80	8	15	..

Stations	June, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland, *contd.*	ins.	ins.			ins.
Blue Fields	7.17	1.65	10	13	9.28
Cornwall	8.34	1.50	8	14	..
Darliston	14.21	2.00	16	17	10.82
Fontabelle	10.33	2.22	18	16	10.09
Friendship	11.21	1.72	8	14	..
Frome	11.12	2.43	18	20	..
Grange Hill	10.05	2.42	8	18	11.25
Kew Park	10.08	2.15	19	13	9.36
Lamb's River	11.20	1.64	26	18	..
Little London	8.28	1.94	8	13	9.08
Masemure	11.80	2.56	18	14	..
Meylersfield	6.84	1.70	17	11	..
Midgham	12.91	3.73	18	12	..
Mint	12.72	4.50	19	14	..
Mt. Eagle	11.46	2.65	19	15	..
Mt. Edgecombe	6.93	1.64	21	11	6.37
Negril Pt. Light house	7.73	1.43	19	13	5.60
New Market	9.45	2.75	18	7	8.61
Paul Island	8.61	2.11	18	16	..
Petersfield	8.00	1.35	8	13	..
Petersville	5.42	1.40	21	8	7.62
Prospect	12.07	1.82	19	15	..
Rat Trap	8.05	2.60	19	12	..
Retreat Est.	12.58	2.70	18	14	7.38
Retrieve	9.43	1.75	8	12	..
Sav.-la-Mar	7.44	1.46	17	12	6.53
Sheffield	11.10	2.73	18	14	..
Shrewsbury	8.83	1.95	8	13	..
Spring Garden L. S.	11.05	2.50	18	13	..
The Bog	8.50	2.33	18	8	8.62
Water Works Farm	13.63	2.70	15	10	9.23
Welch Pole	11.20	2.40	26	16	..
Whithorn	8.42	1.65	15	12	10.63
Williamsfield	15.41	3.98	19	16	..

*Commenced this month.

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the raingauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first half of 1946 is also compared with the averages.

Comparative Table of Rainfall Means—June, 1946

Parish	Rainfall for June			Rainfall, Jan.–June	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	7.88	10.50	13.6	40.12	35.69
St. James	7.33	6.87	10.5	30.05	27.99
Trelawny	5.13	5.08	6.9	22.03	27.89
St. Ann	3.05	4.18	5.7	18.95	27.95
St. Mary	1.85	4.85	4.0	27.14	35.32
Portland	11.88	9.06	8.7	42.86	56.79
St. Thomas	3.79	9.85	6.9	25.12	28.77
Kingston & St. Andrew	1.23	5.34	3.8	16.51	23.35
*Kingston	.40	3.74	1.7	5.08	9.26
St. Catherine	1.91	5.98	4.8	16.62	25.39
Clarendon	1.66	5.95	3.9	11.57	25.40
Manchester	1.38	6.72	3.5	17.06	29.63
St. Elizabeth	3.21	5.04	5.5	26.69	29.47
Westmoreland	9.72	8.89	13.1	39.13	37.66
	Actual	"20-Year"†			"20-Year"†
The Island	4.53	6.58	6.9	25.39	30.04
		"70-Year"†	"45-Year"		"70-Year"
		6.91	10.5		31.45

Notes:—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Officers, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

The June Rainfall

The amount of rain falling this month followed in general the trend of previous months, showing a deficit of over 2 inches or about 30%, the cumulative rainfall over the whole year from January showing a drop from normal of about 5 inches or roughly 17%. Clarendon's drought was accentuated, the six month rain fall continuing below half the normal amount while most of the central parishes suffered in only slightly less measure. The tendency spread eastwards to cancel the previous slight excess in St. Thomas, so that only the parishes at the west end of the Island show a continued surplus over normal rainfall, although Portland appeared again as the wettest Parish after having a very dry May.

The month's greatest falls were experienced at two Portland Stations—Fellowship 29.11 inches and Windsor Agricultural Centre 25.24 inches, while the heaviest falls during 24 hours were at Fellowship with 12.85 inches on the 8th and Port Antonio 11.57 inches on the 15th. Returns of no rainfall at all were sent in by Enfield (St. Mary); Guanaboa Vale (St. Catherine); Alligator Pond, New Forest, and Retrieve (Manchester); Bull Savannah, Warminster and Yardley Chase (St. Elizabeth).

Sunshine

The following table shows the duration of sunshine at the four stations where Campbell-Stokes continous recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Laboratory	Orange River	Palisadoes
6–7 a.m.	Insufficient data—instrument not working part of month.	.60	.48	.48
7–8 "		.71	.77	.83
8–9 "		.84	.73	.83
9–10 "		.87	.85	.91
10–11 "		.82	.82	.96
11–12 noon		.77	.86	.90
12–1 p.m.		.73	.87	.92
1–2 "		.65	.82	.77
2–3 "		.64	.72	.74
3–4 "		.59	.67	.60
4–5 "		.43	.72	.51
5–6 "		.37	.53	.37
Total		8.12	8.84	8.81
Percentage		62%	67%	67%
No. of days over 10 hours		9	14	13
Cloudiest day		9th	9th	9th

Cloudiness decreased strikingly during June over the Island as compared with the previous month, Orange River showing almost a 50% increase of duration of sunshine, and surpassing Palisadoes which, situated out in Kingston Bay, usually has a sunshine lead. Some decrease of cloud at this time of year is to be expected from consideration of the monthly rainfall averages, although the presence of much cloud is not always associated with a heavier rainfall. Among the chief factors for producing rain are the density and the depth of the cloud, intimately allied to the intensity and extent of vertical motion in the atmosphere. It is possible to have a complete cover of cloud for days on end without any appreciable rain.

Evaporation

Upper Kingston ..... 9.67 inches, the 70-year average being 6.89 inches.
Negril Pt. Lighthouse... ..... 5.59 inches.

City of Kingston

The low rainfall of less than half an inch reflected the general drought over much of Jamaica and it will be noted that evaporation was higher than normal, the relative humidity of 70% below average (78%), and the temperature above normal all associated facts. Distant lightning was seen around on 14 days the storms being sufficiently close for thunder to be heard on 5 occasions. Lunar halos were seen twice, while on the 11th a Parhelic Circle and mock Sun were recorded and on 17th indescent cloud was seen.

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Meteorological Office,
Palisadoes,
Kingston, Jamaica B.W.I.

DEC 8 1947
WEATHER BUREAU

No. 840

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JULY, 1946

MONTHLY CLIMATOLOGICAL MEANS.

Notes—The barometric pressures at all the stations are reduced to the standards of Kew, i.e., 32° F, gravity at Lat. 45° and mean sea level.
The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.
The miles of wind per diem are measured by Robinson's Cup Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.
The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus; the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.
The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.
Sunshine is recorded by Campbell-Stokes Sphere Recorders.
The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Barometer Pressure		Temperatures (°F)					Extreme Temperatures (°F)					Daily Sunshine (hours)
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°	°	°	°	°	°		°		°	
Morant Point Light House	8	29.989	29.944	81.6	85.9	87.3	78.7	8.6	89.2	29	73.2	8	16.0	..
Kingston	..	..	..	77.7	87.5	90.6	74.9	15.7	..	..	..	..	..	..
Upper Kingston ..	110	29.980	29.929	78.9	88.1	91.2	74.3	16.9	96.1	24	70.2	6	25.9	..
Negril Point Light House	33	29.978	29.948	77.8	85.7	88.9	72.9	16.0	91.6	24	71.0	21	20.6	..
Castleton Gardens ..	496	..	..	72.5	87.1	88.6	68.3	20.3	93	20*	66	2*	27	..
Hope Laboratory ..	668	..	..	76.7	88.7	92.7	69.5	23.2	97.0	13	66.5	17	30.5	9.0
Orange River Exp. Station	450	..	..	74.7	84.3	..	67.9	..	..	..	63.9	2*	..	9.3
Lorrimers (Christiana) ..	..	..	..	69.3	..	82	65	17	86	25	60	20	26	..
Hill Gardens ..	4,900	..	..	58.2	64.4	68.2	56.1	12.1	73.0	27	53.5	9	19.5	..

Stations	Dewpoint and Rel. Humidity				Rainfall (Total)	Wind per diem	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	ins.	miles	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	78	87	78	78	1.24	318	E	14	E	12	5.5	1.1	1.4	4.3	0.3	1.6
Kingston	72	81	73	64	..	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston ..	69	72	72	60	.83	187	N	3.7	SE	17.1	..	..	..	..	..	..
Negril Pt. Light House ..	71	80	75	68	5.44	111	NE	2.2	SE	6.6	0.7	0.0	4.4	6.8	0.4	1.2
Castleton Gardens ..	69	96	77	71	1.64	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	71	81	70	53	2.01	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp., Station	71	89	72	68	3.10	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana) ..	67	93	..	..	.88	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	57	83	60	68	1.70	..	..	..	..	..	..	..	..	..	..	..

* and on other days. † expressed in tenths of sky covered.
Note—Rainfall and Temperatures from certain stations are published in the daily Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their raingauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Stations	July, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish ..	9.41	1.85	10	13	10.21
Blenheim ..	7.13	2.48	19	9	..
Blue Hole ..	2.55	.73	11:30		6.02
Cascade ..	7.88	2.25	3	14	..
Copse ..	N.A.	..	..	..	7.54
Cousins Cove ..	5.33	2.30	19	20	9.27
Green Island ..	3.76	.76	26	8	9.01
Green River ..	6.90	1.25	26	13	..
Haughton Court A.C. ..	2.91	1.11	6	5	4.99
Haughton Grove ..	8.99	1.91	18	11	8.58
Haughton Hall ..	4.86	.98	19	12	8.37
Hopewell ..	1.82	.50	26	6	..
Kendal ..	5.12	1.11	9	13	..
Kings Vale ..	1.50	.52	3	5	9.33
Knockalva ..	5.32	1.23	10	10	..
Lucea ..	.98	.62	19	3	5.18
Santoy L.S. ..	7.93	1.90	26	15	..
Shettlewood ..	9.00	2.30	26	12	..
Trelawny					
Albert Town ..	3.33	1.40	22	4	5.06
Arcadia ..	.75	.75	3	1	2.23
Clarks Town ..	3.42	2.67	3	4	4.10
Dee Side ..	6.95	2.35	19	10	..
Duncans ..	.05	.05	26	1	2.45
Falmouth ..	1.73	1.45	27	4	1.53
Garredu ..	.54	.54	30	1	..
Harmony Hall ..	.32	.32	3	1	1.60
Hyde and Gibraltar ..	4.46	2.96	3	4	..
Lorrimers ..	.88	.77	17	2	..
Reserve Pen L.S. ..	N.A.	..	..	..	..
Stewart Town ..	2.32	.95	3	5	..
Troy ..	3.95	1.69	2	8	6.90
Troy L.S. ..	3.44	1.18	2	8	..
Ulster Spring ..	2.37	1.35	22	3	5.41
Unity L.S. ..	3.32	1.49	18	10	..
Vale Royal ..	2.36	1.74	3	5	2.71
Wait-a-Bit ..	2.55	1.67	17	5	..
Wakefield ..	3.44	2.60	19	3	5.47
Warsop ..	2.70	1.11	17	6	7.15
St. James					
Adelphi ..	1.96	.90	19	3	..
Anchovy ..	2.69	.75	16	12	4.80
Cambridge ..	7.36	1.42	11	9	9.29
Catadupa ..	5.26	1.13	18	10	9.28
Cinnamon Hill ..	.20	.20	19	1	1.30
Cornwall ..	.00	..	..	0	..
Friendship ..	1.31	.40	11	7	4.14
Irwin A.C. ..	1.49	.65	26	4	3.77
Kempshot ..	1.12	.54	11	9	5.83
Lapland ..	5.66	1.41	18	7	..
Latium L.S. ..	1.02	.83	26	4	5.47
Maldon School ..	4.24	1.09	11	9	..
Mocho ..	6.63	1.50	26	7	11.05
Montego Bay ..	2.13	1.04	23	3	3.34
Montpelier ..	5.08	.93	3	12	6.12
Retirement ..	2.11	1.10	16	6	4.74
Richmond Hill ..	6.79	1.50	18	9	..
Rose Hall ..	.53	.46	19	2	1.26
Running Gut ..	.21	.14	19	2	1.32
Spring Estate ..	.00	..	..	0	1.44
Success ..	1.00	.90	19	2	1.34
Sweetwater ..	5.52	1.60	26	6	..
Tryall ..	.07	.07	19	1	3.16
Vaughansfield ..	8.50	2.60	16	7	..
Windsor Lodge ..	3.23	1.42	26	6	..
St. Ann					
Albion ..	1.63	.81	6	5	4.10
Alexandria ..	.90	.47	3	2	2.76
Armadale L.S. ..	.83	.47	30	4	..
Averham Park ..	2.26	.37	19	7	3.05
Bel-Air ..	1.20	.75	26	4	2.26
Beverly L.S. ..	1.69	.83	19	3	..
Borobridge ..	1.54	.60	17	6	..
Brown's Town ..	.69	.34	6	4	2.51
Cave Valley ..	.94	.30	28	4	4.61
Claremont ..	1.90	1.10	19	6	3.29
Eltham L.S. ..	.92	.37	3	3	..
Exchange ..	1.75	.72	29	3	..
Greenock ..	.94	.30	22	4	..
Home Castle ..	.45	.45	17	1	2.39
Knapdale ..	.31	.26	19	2	3.65
Liberty Hill ..	.76	.38	3	3	1.92
Moneague ..	2.54	.80	19	5	4.58
New Ground A.C. ..	.93	.49	26	4	..
Ocho Rios ..	.00	..	..	0	2.36
Richmond Estate ..	.18	.18	3	1	2.14
Richmond Pen ..	1.93	.95	19	4	2.89
Rio Hoe ..	2.18	.82	3	7	4.15
Rockfield ..	N.A.	..	..	..	3.03
Runaway Bay ..	1.26	.73	26	3	1.29
Rural Retreat L.S. ..	1.98	.74	19	4	..
St. Ann's Bay ..	.34	.16	3	3	2.79
Stepney ..	.00	..	..	0	..
Thatchfield L.S. ..	1.86	1.40	19	3	..

N.A. = Not Available.

Stations	July, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Ann, *contd.*	Ins.	Ins.			Ins.
Unity Valley	2.99	.98	19	7	5.58
Watt Town	.40	.30	19	2	2.82
Wilton	.09	.05	26	2	..
St. Mary					
Agualta Vale	3.37	1.36	25	6	3.21
Albany	N.A.	..	..	..	3.39
Bundo L.S.	2.86	.64	9	13	..
Castleton Gardens	1.64	.44	16	6	6.44
Dover A.C.	4.82	2.05	8	6	4.85
Enfield	3.92	2.30	26	2	4.40
Fort Stewart	2.21	.76	8	5	..
Fort Stewart L.S.	2.05	1.45	25	6	..
Gibraltar	2.09	.80	8	8	..
Golden Grove East	2.62	.76	7	6	..
Golden Grove, West	2.55	.85	7	6	..
Grays Inn Central Fact.	2.08	.81	8	5	..
Guys Hill	1.24	.57	26	3	4.56
Hampstead	3.32	2.80	26	4	2.88
Iter Boreale	2.34	.70	7	6	..
Jacks River	3.49	.80	29	11	..
Lady Hole	2.05	.73	8	5	..
Lower Esher	2.58	1.20	26	5	..
Lucky Hill	1.47	.55	3	6	3.29
Lucky Hill Pen	1.33	.54	8	5	..
Newry	2.55	1.50	26	4	..
Nutfield A.C.	3.26	1.76	26	8	..
Oracabessa	1.42	.45	6	8	4.28
Orange River	3.10	1.24	26	7	..
Platfield L.S.	1.50	.61	16	9	..
Port Maria	3.09	.57	30	15	3.81
Quebec	N.A.	..	..	..	3.57
Retreat	1.53	.76	5	5	..
Richmond	2.73	1.35	26	7	3.32
Warwick Castle L.S.	2.11	.72	3	8	..
Water Valley	1.96	1.05	27	5	3.05
Wentworth	N.A	..	..	..	..
Western St. Mary L.S.	1.12	.50	24	3	..
Wey Hill P.W.D.	N.A.	..	..	..	..
Windsor Castle	2.02	1.35	26	7	3.89
Portland					
Balcarres	2.13	1.02	26	6	4.14
Belle Vue	2.21	.93	6	5	..
Belvedere	1.13	.45	8	6	3.88
Boston	4.58	1.27	28	13	6.13
Boundbrook L.S.	6.26	2.86	6	9	..
Buff Bay	5.50	1.42	8	8	6.36
Bybrook	2.27	.67	23	10	..
Caenwood	5.48	3.45	6	7	..
Cedar Hurst	1.34	.56	8	9	5.20
Chepstowe	2.38	.80	6	4	..
Darley	8.65	5.17	6	14	..
Ecclesdown L.S.	6.54	1.22	6	13	..
Fellowship	7.57	4.10	6	10	14.17
Fruitful Vale	3.16	1.45	6	4	..
Hope Bay	7.14	4.12	6	9	11.88
Lennox	4.61	2.40	5	2	10.14
Manchioneal	2.64	.70	29	7	5.84
Millbank	9.19	1.96	6	15	21.31

Stations	July, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Moore Town	8.59	1.57	5	15	17.38
Mt. Holstein	.63	.33	26	3	4.90
Mt. Pleasant L.S.	7.55	5.30	6	3	..
Passley Garden	7.10	..	..	..	12.14
Plum Valley	1.64	.05	6	7	..
Port Antonio	6.42	2.70	6	14	10.61
Priestmans River	3.49	1.16	28	15	7.27
Shrewsbury	4.39	1.22	6	11	8.89
Spring Garden	4.17	1.32	6	10	5.50
Titchfield Sch. P.A.	7.41	3.00	6	14	..
Windsor A.C.	7.14	2.45	6	10	..
St. Thomas					
Barrett Gap	4.42	1.60	5	12	..
Bath	3.55	.66	3	15	8.36
Bowden Pen	7.12	1.10	6	14	..
Buckingham L.S.	2.02	.76	6	4	..
Cedar Valley	1.86	.70	3	4	4.90
Clifton Hill Est.	2.97	.64	31	10	..
Coley	2.63	.80	3	6	7.27
Duckenfield	2.67	.70	25	11	..
Easington	1.04	.55	6	4	5.20
East Prospect	1.54	.80	31	4	4.96
Golden Grove, G.G.E.	N.A.	..	..	..	..
Golden Grove J.S.E.	2.80	.50	6*	9	..
Llandewey	.00	..	..	0	..
Lloyds	1.76	.70	28	3	..
Morant Bay	2.16	.70	26	8	5.25
Morant Pt. Lighthouse	1.24	.38	15	10	3.26
Pera	N.A.	..	..	..	..
Plantain Garden River	3.50	.95	6	10	..
Pleasant Hill	3.30	1.20	25	12	4.63
Rowlandsfield L.S.	3.00	.97	25	8	..
Seaforth	3.71	.89	26	3	..
Spanish Wood	1.71	.56	24	7	..
Stokes Hall	N.A.	..	..	..	..
Wheelersfield	2.48	.75	6	10	5.60
Yallahs	1.02	.42	6*	3	..
Kingston and St. Andrew					
Bamboo Avenue	1.73	.52	15	6	..
Brandon Hill	.73	.73	26	1	..
Cavaliers	.66	.27	6	6	..
Clifton Pen	.87	.32	6	5	1.75
Constant Spring F.P.	1.71	.60	22	5	..
Constant Spring Ch. Rd	.74	.32	22	5	..
Dallas Castle	1.33	.56	16	4	4.69
Fort George	1.66	.54	22	8	..
Golden Spring	1.74	.67	8	8	..
Gordon Town	1.65	.75	17	3	2.68
Guava Ridge	1.20	.56	17	3	4.16
Halfway Tree	.78	.27	8	5	1.87
Harbour Head	.40	.27	17	2	..
Hardware Gap F.D.	2.35	1.75	2	4	..
Hardware Gap P.W.D.	.75	.45	8	3	4.48
Hermitage	1.75	.60	8	9	6.56
Hill Gardens	1.70	.75	8	8	3.54

N.A. = Not Available.

Stations	July, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Kingston and St. Andrew, *contd.*	Ins.	Ins.			Ins.
Hope Farm	3.05	1.25	18	6	2.67
Hope Laboratory	2.01	.65	15	6	..
Hope Waterworks	2.44	.92	17	6	..
Irish Town	.69	.50	8	3	2.14
Iver	.84	.38	8	7	..
King's House Gardens	1.00	.37	8	6	2.49
Lawrence Tavern	2.02	.50	16	6	5.13
Mavis Bank	1.78	.68	6	4	4.16
Mt. Airy	.55	.55	26	1	..
Mt. Cressy	3.02	1.00	8	9	..
Red Hills	.65	.28	22	4	5.50
Rose Hill	2.54	1.23	6	9	5.75
Salisbury Plain A.C.	.94	.48	17	2	..
Sea View F.P.	1.54	.50	22	7	..
Shortwood College	.96	.50	25	5	..
Stony Hill	1.71	.62	17	6	4.96
Twickenham Park	.51	.26	8	4	..
Up Park Camp	.72	.23	8	4	..
Kingston					
Kingston P.W.O.	.67	.38	6	3	1.34
Palisadoes	.28	.15	5	3	..
Parade Gardens	1.03	.56	6	4	..
Plumb Pt. Lighthouse	.24	.14	6	2	1.88
St. George's College	N.A.	..	..	..	..
Upper Kingston	.83	.38	6	4	2.26
St. Catherine					
Above Rocks	2.05	.59	15	9	..
Bellas Gate	.55	.35	9	2	3.04
Bog Walk	2.65	1.60	15	3	6.18
Browns Hall	1.27	.50	10	5	5.20
Carew Castle	3.03	.85	15	8	6.45
Ewarton	1.89	1.13	28	5	..
Ginger Ridge	.59	.34	9	2	..
Glengoffe	1.75	.74	3	7	..
Grove Farm A.C.	1.34	.30	6	2	..
Guanaboa Vale	2.55	1.20	18	3	4.98
Headworks	1.23	.82	15	3	3.29
Hematine	.20	.18	6	2	1.97
Hog Hole	.38	.21	6	4	2.42
Knollis	2.71	1.30	14	4	6.56
Linstead	4.33	1.73	5	8	5.95
Old Harbour	1.72	1.60	15	2	2.37
Pear Tree Grove	1.22	.50	3	3	4.22
Point Hill	2.36	1.28	9	5	6.68
Quarantine Station	.76	.46	6	2	1.53
Rio Magno	2.34	.75	19	6	6.44
Riversdale	1.55	.60	3	5	9.58
Sligoville	3.75	1.49	15	7	8.39
Spanish Town	.23	.23	8	1	2.17
Troja	.00	..	..	0	5.69
Troja L.S.	2.54	1.07	3	4	..
Tulloch Estate	4.22	1.80	15	5	..
Twickenham A.C.	.21	.21	6	1	..
Worthy Park	.00	..	..	0	4.33
Clarendon					
Amity Hall	.34	.22	3	2	..
Beauchamp	.25	.25	22	1	..
Belle Plain	.78	.22	6	5	6.20

Stations	July, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Clarendon, *contd.*	Ins.	Ins.			Ins.
Bull Head	3.12	1.12	22	4	..
Carlisle	.49	.21	25	4	..
Chapelton	.79	.35	5:18	4	3.51
Colonels Ridge	4.29	1.92	22	7	..
Cottage	.27	.12	15	3	4.17
Crofts Hill	.14	.14	18	1	3.60
Crooked River	5.05	2.65	22	5	5.94
Douce Pennants	2.69	.95	5	6	..
Exeter	.25	.25	2	1	1.51
Frankfield	5.99	1.58	11	7	6.61
Glen Muir	.00	..	..	0	3.85
Hillside	.33	.21	8	2	3.91
James Hill	3.20	.90	17	6	..
Kellitts	.79	.48	11	4	..
May Pen	1.60	1.48	2	2	3.26
Milk River	.08	.08	3	1	2.57
Mocho L.S.	1.01	.67	18	2	..
Mocho P.W.D.	.71	.67	25	2	4.45
Morelands	.36	.30	22	2	2.81
Peckham L.S.	6.29	3.53	11	6	..
Pennants	1.47	1.05	5	3	..
Rock River	.48	.25	18	3	4.80
Salt Savannah	.20	.10	25	3	..
Silent Hill	1.43	1.43	17	1	..
Spaldings	1.24	.50	17	5	5.10
Springfield	.15	.15	17	1	3.21
Suttons J.G.R.	1.13	.73	18	3	6.40
Suttons W.I.S.C.	.36	.12	8:22	4	..
Thompson Town	3.21	1.50	8	6	..
Trout Hall	4.18	2.13	22	4	4.75
Manchester					
Alligator Pond	.00	..	..	0	2.30
Christiana	1.50	.90	17	5	4.35
Chudleigh	.50	.50	26	1	4.23
Cocoawalk L.S.	.00	..	..	0	..
Craig Head	1.66	.77	17	4	..
Garlogie	4.28	1.80	9	5	..
Greenvale	3.54	1.75	9	5	4.75
Grove Place	2.45	1.81	9	6	..
Holmwood	1.56	.95	17	5	..
Kendal	2.38	1.09	14	5	5.41
Mandeville	2.44	1.15	14	5	5.73
Mandeville Man. Hotel	.90	.26	14	7	..
Mile Gully	3.33	1.70	9	5	..
New Forest	.00	..	..	0	..
Newport	6.72	3.36	31	8	3.98
Porus	.56	.32	9	2	..
Retrieve	.00	..	..	0	2.59
Stones Hope	.01	.01	31	1	3.98
Williamsfield J.G.R.	4.86	1.29	9	8	7.56
St. Elizabeth					
Aberdeen	6.76	2.58	26	10	..
Accompong	8.52	1.55	17	10	..
Appleton	6.20	1.56	17	6	..
Balaclava	5.18	.91	21	7	7.19
Bartons	4.75	1.75	17	8	..
Black River	4.85	1.22	22	8	4.49
Braes River	2.98	1.31	17	8	..
Bull Savannah	.00	..	..	0	..

Stations	July, 1946 Total Fall	Greatest fall in 24 hours Amount	Date	Rain Days	Average
St. Elizabeth, *contd.*	Ins.	Ins.			Ins.
Fort Charles	.32	.32	9	1	1.96
Ginger Hill	7.84	1.62	2	15	..
Goshen	1.60	1.00	18	3	..
Holland Estate	4.33	1.55	18	8	..
Hounslow	1.73	.88	22	4	..
Ipswich	8.55	3.10	21	10	..
Lacovia	1.75	.50	22	7	5.02
Maggotty	8.59	1.68	22	15	8.15
Malvern	1.64	.82	22	6	..
Mountainside	N.A.	..	..	..	2.87
Mt. Charles	3.39	.89	18	6	..
Mulgrave	11.69	3.90	21	15	..
Munro	.95	.51	18	3	2.76
Myersville	.30	.30	26	1	..
New Market	4.50	1.00	9	8	..
Pedro Plains	N.A.	..	..	..	1.68
Quickstep	4.15	1.30	19	7	..
Santa Cruz	5.41	1.71	15	8	5.24
Springfield	6.85	1.40	2	13	..
Springvale	4.96	1.40	9	5	..
Torrington	1.67	1.46	22	3	2.45
Treasure Beach	N.A.	..	..	..	..
Wallingford	4.09	.89	2	9	5.50
Warminster	.55	.55	22	1	..
Windsor	1.50	.71	22	6	3.55
Yardley Chase	.00	..	..	0	..
Westmoreland					
Bath Pen L.S.	5.90	1.40	24	13	..
Baulk	4.61	1.84	18	11	..
Belle Isle	7.64	1.83	18	12	9.27
Bethel Town	6.20	2.60	12	7	12.91
Blue Castle	5.86	1.25	16	11	..
Bluefields	5.86	1.85	15	11	9.36

Stations	July, 1946 Total Fall	Greatest fall in 24 hours Amount	Date	Rain Days	Average
Westmoreland, *contd.*	Ins.	Ins.			Ins.
Cornwall	5.65	1.39	18	15	..
Darliston	8.89	1.96	3	14	11.60
Fontabelle	5.27	1.27	18	12	9.34
Friendship	4.50	1.33	18	13	..
Frome	3.56	1.13	18	14	..
Grange Hill	7.76	1.57	3	15	11.33
Kew Park	5.69	1.57	19	8	10.06
Lambs River	10.52	2.86	18	10	..
Little London	3.42	.58	10	12	8.30
Masemure	4.13	1.50	3	13	..
Meylersfield	3.63	1.05	10	12	..
Midgham	6.75	1.68	16	13	..
Mint	10.85	3.38	18	17	..
Mt. Eagle	7.03	2.00	3	15	..
Mt. Edgecombe	2.35	.67	6	13	6.88
Negril Pt. Lighthouse	5.44	1.94	9	10	5.76
New Market	4.50	1.00	9	8	8.48
Paul Island	4.55	1.04	3	11	..
Petersfield	6.93	1.27	26	15	..
Petersville	2.37	.80	15	11	7.71
Prospect	5.65	2.14	18	11	..
Rat Trap	10.75	2.40	28	10	..
Retreat Estate	4.69	1.54	3	12	7.29
Retrieve	3.11	.97	3	12	..
Savanna-la-Mar	5.91	1.18	14	14	6.27
Sheffield	6.55	1.74	4	13	..
Shrewsbury	7.06	1.80	18	15	..
Spring Garden L.S.	4.86	2.30	3	9	..
The Bog	4.90	1.18	9	10	8.94
Waterworks Farm	9.15	1.10	24	16	9.74
Welch Pole	6.80	1.30	18	13	..
Whithorn	6.31	1.34	18	9	10.62
Williamsfield	5.50	2.18	18	7	..

N.A.=Not Available

Raingauge Station Notes:—

The gauge at Trinityville in St. Thomas has been moved to a new position some few miles away and has been renamed "Seaforth".

The Swift River Portland gauge has also been moved to a new site which is only a short distance away and for which therefore the past records may be used without much error. The new name for the station is "Belle Vue".

A new reporting station is Malvern in St. Elizabeth commencing in June of this year.

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each Parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the raingauges in the area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for Parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell.

The total rainfall for the first seven months of 1946 is also compared with the averages.

Comparative Table of Rainfall Means—July, 1946

Parish	Rainfall for July			Rainfall, Jan. to July	
	Actual	20-Yr. Average	Raindays	Actual	20-Yr. Average
Hanover	5.62	8.07	10.2	45.74	43.76
St. James	3.66	4.82	6.8	33.71	32.81
Trelawny	2.57	3.96	4.7	24.60	31.85
St. Ann	1.16	3.01	3.7	20.11	30.96
St. Mary	2.39	3.75	6.4	29.53	39.07
Portland	5.14	8.76	9.3	48.00	65.55
St. Thomas	2.62	6.22	7.4	27.74	34.99
Kingston and St. Andrew	1.21	4.10	4.5	17.72	27.45
Kingston*	.61	2.27	3.2	5.69	11.53
St. Catherine	1.79	4.60	4.2	18.41	29.99
Clarendon	1.71	4.65	3.6	13.58	30.05
Manchester	1.75	5.30	3.7	18.81	34.93
St. Elizabeth	3.65	5.23	6.4	30.34	34.70
Westmoreland	5.85	9.40	11.7	45.08	48.06
The Island	2.99	5.30	6.3	28.38	35.34
		"70-Year" Average 5.22	"45-Year" Average 9.5	..	"70-Year" Average 36.67

Notes—*The monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices and include the City of Kingston the main part of the Harbour and the Airport.

The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944 the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "the Rainfall of Jamaica to 1939—70-Year Period" the Island means now being calculated as the average of the four 'Divisions' into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means but they are considered sufficiently so for practical comparison purposes.

The July Rainfall

The dry conditions continue this month, the average rainfall over the Island showing a deficit of 2.31 inches which is about 44%. Over the whole year from January the fall below normal was almost 7 inches, or roughly 20%. All parishes were well below average many being below half the normal, the worst sufferer being Clarendon as the cumulative figures show, while only Hanover and St. James in the extreme west are able to show a slight surplus. Westmoreland was the month's wettest parish, as on average.

The month's greatest falls were experienced in Westmoreland where the three stations Lamb's River, Mint and Rat Trap all recorded totals of over 10 inches of rain. The heaviest daily falls occurred in Portland where, on the 6th, Mount Pleasant and Darley reported over 5 inches.

Returns of no measurable rain at all were sent in by Cornwall and Spring Estate (St. James); Ocho Rios and Stepney (St. Ann); Llandewey (St. Thomas;) Worthy Park (St. Catherine); Glen Muir (Clarendon); Cocoawalk, New Forest and Retrieve (Manchester); Bull Savannah and Yardley Chase (St. Elizabeth).

Sunshine

The following table shows the duration of sunshine at the four stations where Campbell Stokes continuous recorders are in operation. The figures for each hourly period are the average over the month.

Period	Grove Place	Hope Laboratory	Orange River	Palisadoes
6–7 a.m. ..	.41	.56	.43	.40
7–8 " ..	.73	.83	.74	.80
8–9 " ..	.83	.86	.80	.87
9–10 " ..	.87	.85	.88	.90
10–11 " ..	.91	.85	.89	.92
11–12 noon ..	.84	.86	.93	.87
12–1 p.m. ..	.83	.84	.84	.93
1–2 " ..	.74	.81	.87	.88
2–3 " ..	.57	.77	.85	.88
3–4 " ..	.56	.73	.73	.78
4–5 " ..	.49	.64	.75	.71
5–6 " ..	.35	.45	.58	.40
Total ..	8.12	9.05	9.29	9.34
Percentage ..	62%	69%	71%	71%
No. of days over 10 hours ..	8	12	14	16
Cloudiest day ..	27th (2.5 hrs.)	27th (3.7 hrs.)	16th (1.3 hrs.)	27th (3.7 hrs.)

July continued the trend shown last month in its general decrease of cloudiness, all stations showing more sunshine than the previous month.

Evaporation

Upper Kingston: 10.00 inches, the 20 year average being 7.88".
Negril Point L.H.: 5.52".

Earthquakes in July, 1947

There being now no seismometer or seismograph to which reference can be made, the tabulating of earth tremors has fallen into abeyance. However an attempt is being made to collect information from the Island, and possessors and keepers of raingauges have been circularised with a request to include any such information they care to offer when they return their monthly rainfall cards. There has been a fair response and thanks are due to the enthusiasts who have sent in such information. The July results are tabled below.

Date	Time	Intensity	Where felt etc.
13th	Evening	Slight	Cedar Hurst
24th	2–4 a.m.	Slight	Hill Gardens, Buff Bay, Cedar Hurst, Fellowship, Fruitful Vale, Lennox, Cedar Valley, Coley, Easington.
25th	12.15 p.m.	Slight	Sligoville
28th	Various	Slight	Wey Hill, Cedar Hurst, Coley, Mt. Holstein.

City of Kingston

Apart from the continued drought and the accompanying features of various meteorological elements as described in the last month's issue, the only noteworthy occurrence was a squall which crossed from East to West across the Island on the 6th and passed Kingston between 9 a.m. and 10 a.m. At Palisadoes the Dines Pressure Tube Recording Anemometer was reading a speed of 12 m.p.h. when at 9.30 a.m. the recording pen jumped to show a sustained 40-50 m.p.h. by 9.40 with a gust to 52 m.p.h. It then slackened to 20-25 m.p.h. which is not out of the ordinary for the afternoon at the Airport.

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A.M. Meteorological Officer,
Government Meteorologist

Meteorological Office,
Palisadoes,
Kingston

DEC 8 1947
WEATHER BUREAU

No. 841

JAMAICA
WEATHER REPORT

FOR THE MONTH OF
AUGUST, 1946

MONTHLY CLIMATOLOGICAL MEANS

Notes—The barometric pressures at all the stations except the Hill Gardens are reduced to the standards of Kew, i.e., 32° F., gravity at Lat. 45° and mean sea level.

The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

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

The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus; the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.

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

Sunshine is recorded by Campbell-Stokes Sphere Recorders.

The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Bar Pressure		Temperatures (°F)					Extreme Temperature (°F)					Daily Sunshine (hours)
		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	29.954	29.918	81.6	86.1	87.8	78.0	9.8	90.0	31	71.2	27	18.8	..
Kingston	..	..	..	77.2	86.3	90.4	74.5	15.9	95.2	24	72.0	14	23.2	..
Upper Kingston	110	29.950	29.908	78.2	86.7	90.9	74.0	16.9	95.4	1	70.4	8	25.0	..
Negril Pt. Light House	33	29.949	29.919	76.7	84.1	88.3	72.3	16.0	90.6	26	70.0	23	20.6	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	668	..	..	75.9	85.2	90.8	69.4	21.4	96.3	1	65.2	8	31.1	7.7
Orange River Exp. Station	450	..	..	73.1	82.3	88.9	68.3	20.6	91.2	28	63.4	23	27.8	7.8
Lorrimers (Christiana)	..	..	..	69.3	..	83	..	..	86	9*	60	7	26	..
Hill Gardens	4,900	..	..	62.7	68.4	75.0	59.9	15.1	80.2	26	58.3	11*	21.9	..

Stations	Dew Point and Rel. Humidity				Rainfall (Total)	Wind per diem.	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	in.	Mls.	Dir.	mph.	Dir.	mph	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	77	85	77	75	2.67	267	E	12	E	10	5.5	0.4	1.5	3.9	0.9	2.0
Kingston	69	77	72	63	3.43	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston	70	76	73	65	2.50	158	N	4.1	SE	14.0	..	..	..	..	..	..
Negril Point Light House	73	85	74	73	7.86	98	ENE	2.0	SE	6.0	0.9	0.2	4.6	7.8	0.0	0.6
Castleton Gardens	..	..	..	..	7.94	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	72	86	71	64	2.67	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp. Station	71	93	73	71	4.39	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana)	65	88	..	..	5.51	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	56	81	61	79	3.88	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Expressed in tenths of sky covered.

Note—The temperature and humidity readings from Castleton Gardens are not reliable enough this month for inclusion in the Report.

Rainfall and Temperatures from certain stations are published in the daily Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Stations	August, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	8.51	2.90	29	16	13.30
Blenheim	12.30	2.10	30	15	..
Bluehole	6.79	1.84	12	10	6.45
Cascade	12.88	1.70	8	23	..
Copse	N.A.	..	..	..	10.80
Cousins Cove	11.14	1.82	11	25	7.61
Green Island	11.16	1.66	15	13	9.24
Green River	8.57	1.61	11	18	..
Haughton Court A.C.	7.18	2.24	7	12	6.46
Haughton Grove	11.86	1.51	7	23	11.05
Haughton Hall	8.59	1.25	11	21	7.86
Hopewell	3.93	.52	20	17	..
Kendal	12.45	1.75	7	14	..
King's Vale	5.12	.75	30	17	9.42
Knockalva	5.12	1.04	14	11	..
Lucea	5.51	1.23	2	17	6.15
Retirement F.D.	13.38	1.29	30	23	..
Santoy L. S.	10.31	1.39	16	19	..
Shettlewood	14.12	2.27	29	18	..
St. James					
Adelphi	2.57	1.07	1	9	..
Anchovy	10.42	3.20	6	18	6.39
Cambridge	12.45	1.60	28	21	11.03
Catadupa	12.91	2.11	30	22	13.17
Cinnamon Hill	1.25	.75	20	4	2.37
Cornwall	1.26	.45	20-22	5	..
Friendship	1.65	.71	11	8	6.53
Irwin, A. C.	1.70	.69	11	7	6.61
Kempshot	2.95	.99	4	10	7.76
Lapland	12.20	2.00	30	21	..
Latium L. S.	2.48	.63	1	11	8.42
Maldon School	5.88	1.20	12	12	..
Mocho	13.61	3.40	6	15	14.50
Montego Bay	1.87	1.05	11	4	5.15
Montpelier	15.59	4.13	29	19	6.80
Retirement	2.61	.83	11	7	6.90
Richmond Hill	10.85	2.52	29	19	..
Rose Hall	1.07	.33	20	6	2.29
Rosemount	N.A.	..	..	..	..
Running Gut	1.05	.46	20	6	2.56
Spring Estate	1.66	.78	24	4	2.44
Success	1.01	.45	20	5	2.25
St. James, *contd.*					
Sweetwater	11.12	2.76	6	18	..
Tryall	1.60	.58	24	5	4.57
Vaughansfield	8.20	4.00	14	4	..
Windsor Lodge	2.95	1.30	1	9	..
Trelawny					
Albert Town	8.55	1.50	18	11	9.00
Arcadia	2.40	.75	20	7	3.34
Clarks Town	3.42	.60	11*	14	5.27
Deeside	2.56	.70	22	6	..
Duncans	2.57	.95	20	8	3.67
Falmouth	1.12	.34	20	7	2.46
Garredu	2.20	.65	7	5	..
Harmony Hall	2.52	.98	20	8	2.42
Hyde and Gibraltar	4.53	.75	17	13	..
Lorrimers	5.51	1.30	8	16	..
Reserve Pen L.S.	N.A.	..	..	..	..
Stewart Town	9.65	4.78	29	9	..
Troy	14.38	3.00	4	13	9.90
Troy L.S.	17.25	2.50	4	16	..
Ulster Spring	8.48	2.30	19	15	8.40
Unity L.S.	3.87	.96	22	11	..
Vale Royal	3.28	1.03	22	7	4.55
Wait-a-Bit	11.19	2.21	8	18	..
Wakefield	4.82	1.73	1	9	5.05
Warsop	9.86	1.55	17	15	9.84
St. Ann					
Albion	1.44	.57	19	5	5.97
Alexandria	3.20	1.25	28	6	4.78
Armadale L.S.	3.98	2.60	28	4	..
Averham Park	3.59	2.09	20	6	4.91
Bel-Air	1.45	.85	11	4	3.60
Beverley L. S.	2.33	1.50	11	3	..
Borobridge	3.29	1.12	11	10	..
Brown's Town	1.32	.50	30	6	4.45
Cave Valley	6.45	2.25	6	12	7.25
Claremont	2.44	1.14	20	7	5.09
Eltham L. S.	2.40	.80	21	4	..
Exchange	2.24	1.08	19	4	..
Greenock	6.45	2.25	6	12	..
Home Castle	2.71	1.75	7	3	3.65
Knapdale	1.59	.57	11	7	6.14
Liberty Hill	1.16	.52	11	8	3.11
Moneague	4.23	1.52	3	6	6.51
New Ground A. C.	1.17	1.17	20	1	..
Ocho Rios	2.49	1.20	20	4	3.25
Richmond Estate	2.93	1.52	11	5	3.67
Richmond Pen	5.80	1.22	7	8	4.87
Rio Hoe	3.04	1.39	11	6	6.02
Rockfield	N.A.	..	..	..	4.45
Runaway Bay	1.18	.58	20	3	2.98
Rural Retreat	1.57	.80	11	3	..
St. Ann's Bay	2.75	1.03	11	8	3.40
Stepney	2.32	1.27	23	3	..
Thatchfield L. S.	2.18	.93	11	4	..

N.A. = Not available

Stations	August, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days		
St. Ann, *contd.*	ins.	ins.			ins.
Unity Valley	4.68	1.50	11	13	6.67
Watt Town	1.76	.70	19	7	4.43
Wilton	.85	.40	20	8	..
St. Mary					
Agualta Vale	2.88	.84	24	8	4.37
Albany	N.A.	..	..	..	4.35
Bundo L. S.	3.37	.88	21	9	..
Castleton Gardens	7.94	3.11	11	10	10.71
Dover, A. C.	9.32	1.75	21	13	5.82
Enfield	2.92	1.10	11	4	7.17
Fort Stewart	3.70	.80	20	10	..
Fort Stewart L. S.	7.65	2.10	19	9	..
Gibraltar	4.47	1.05	21	10	..
Golden Grove, East	5.70	1.40	21	11	..
Golden Grove, West	5.50	1.35	21	11	..
Grays Inn Cen. Facty.	3.35	.96	11	8	..
Guy's Hill	1.87	.65	11	7	5.77
Hampstead	2.40	1.10	19	5	4.37
Iter Boreale	5.63	1.10	21	11	..
Jacks River	2.37	.65	19	7	..
Lady Hole	4.45	.71	9	11	..
Lower Esher	2.93	1.01	15	7	..
Lucky Hill	3.77	1.32	21	10	3.38
Lucky Hill Pen	4.09	1.46	7	5	..
Newry	4.63	1.16	11	10	..
Nutfield A. C.	4.78	1.10	19	17	..
Oracabessa	3.39	.78	20	9	6.73
Orange River	4.39	1.26	11	11	..
Platfield L. S.	5.04	1.90	22	8	..
Port Maria	4.14	.97	21	11	5.08
Quebec	N.A.	..	..	..	4.88
Retreat	2.20	1.00	20	4	..
Richmond	3.73	1.20	11	10	5.20
Warwick Castle L.S.	5.91	1.69	11	11	..
Water Valley	4.58	1.05	13	8	4.25
Wentworth	N.A.	..	..	..	..
Western St. Mary L.S.	2.06	1.05	7	4	..
Wey Hill P.W.D.	5.04	1.90	22	8	..
Windsor Castle	2.49	1.37	11	6	7.08
Portland					
Balcarres	2.83	1.46	11	6	7.15
Belle Vue	10.32	2.43	14	10	..
Belvedere	5.63	1.53	20	11	5.72
Boston	6.14	1.93	11	13	7.81
Boundbrook L. S.	9.44	2.28	14	11	..
Buff Bay	8.01	1.41	21	11	6.09
Bybrook	6.19	1.96	20	10	..
Caenwood	12.70	2.95	20	8	..
Cedar Hurst	5.86	1.55	11	17	7.97
Chepstowe	7.09	1.47	11*	11	..
Darley	14.22	3.15	14	18	..
Ecclesdown L. S.	12.64	4.97	11	9	..
Fellowship	10.48	3.50	11	17	14.05
Fruitful Vale	12.46	1.48	20	13	..
Hope Bay	14.07	3.00	20	13	9.37
Lennox	6.05	3.40	20	6	7.76
Manchioneal	4.34	2.30	11	7	7.78
Mill Bank	19.56	6.50	11	15	17.27

Stations	August, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	ins.	ins.			ins.
Moore Town	13.95	5.15	11	13	15.88
Mt. Holstein	3.70	1.25	11	9	7.32
Mt. Pleasant	7.89	..	..	..	..
Passley Garden	10.33	..	..	..	10.97
Plum Valley	7.24	2.49	20	8	..
Port Antonio	10.74	2.08	14	16	11.63
Priestman's River	6.67	1.86	11	16	8.46
Shrewsbury	8.67	2.16	14	12	9.08
Spring Garden	7.46	1.32	11	12	6.60
Titchfield School	10.69	2.14	11	17	..
Windsor A. C.	15.10	3.68	14	16	..
St. Thomas					
Barrett's Gap	7.15	2.04	11	9	10.04
Bath	5.71	2.42	11	10	..
Bowden Pen	12.73	4.00	11	12	..
Buckingham L. S.	N.A.	..	..	..	..
Cedar Valley	10.13	3.10	11	11	9.53
Clifton Hill Est.	5.49	4.25	11	7	..
Coley	6.10	3.70	11	4	9.92
Duckenfield	3.20	1.34	11	13	..
Easington	3.16	2.03	11	8	6.47
East Prospect	7.25	4.49	11	11	6.90
Golden Grove G.G.E.	N.A.	..	..	..	..
Golden Grove J. S. E	3.74	1.50	12	8	..
Llandewey	2.55	1.65	11	4	..
Lloyds	2.86	1.20	12	4	..
Morant Bay	4.52	3.44	11	6	6.53
Morant Pt. Lighthouse	2.67	0.57	20	12	5.12
Pera	N.A.	..	..	..	..
Plantain Garden R.	6.57	2.60	11	11	..
Pleasant Hill	5.21	2.40	11	10	7.13
Rowlandsfield L. S.	7.06	3.30	11	9	..
Seaforth	4.49	2.61	10	10	..
Spanishwood	2.07	.75	20	7	..
Stokes Hall	N.A.	..	..	..	..
Wheelersfield	4.37	1.15	11	10	..
Yallahs	1.06	.47	11	3	5.52
Kingston and St. Andrew					
Bamboo Ave.	2.75	1.00	8	10	..
Brandon Hill	3.93	2.16	28	4	..
Cavaliers	2.29	.78	6	10	..
Clifton Pen	1.16	.65	8	7	4.34
Constant Spring	6.38	2.12	6	15	..
Constant Spring Ch. Rd	4.83	1.70	9	9	..
Dallas Castle	1.56	.52	6	9	8.35
Fort George	7.34	2.32	6	15	..
Golden Spring	10.27	2.50	14	13	..
Gordon Town	2.82	1.55	6	6	5.88
Guava Ridge	1.17	.81	14	2	6.96
Halfway Tree	2.33	.81	8	6	4.03
Harbour Head	2.19	1.36	6	4	..
Hardware Gap F. D.	5.53	1.30	31	12	..
Hardware Gap P.W.D.	4.79	1.15	18	12	8.27
Hermitage	9.17	2.82	6	17	10.22
Hill Gardens	3.88	1.75	11	13	7.77

N.A. = Not available

Stations	August, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Kingston and St. Andrew, *contd.*	ins.	ins.			ins
Hope Farm	3.17	1.25	8	7	6.01
Hope Laboratory	2.67	.92	6	9	..
Hope Water Works	2.93	1.15	8	8	..
Irish Town	6.00	1.90	6	9	6.92
Iver	4.13	1.71	9	12	..
King's House Gardens	4.39	1.85	8	9	4.84
Lawrence Tavern	9.47	2.86	28	11	8.65
Mavis Bank	1.93	.85	11	6	6.96
Mount Airy	5.31	2.00	9	5	..
Mount Cressy	4.58	1.36	11	14	..
Red Hills	4.38	1.18	31	10	7.73
Rose Hill	7.48	1.50	3	16	9.80
Salisbury Plain A. C.	9.78	2.70	28	10	..
Sea View F.P.	8.64	3.30	28	15	..
Shortwood College	4.99	2.62	17	8	..
Stony Hill	10.10	2.47	28	16	9.00
Twickenham Pen	1.35	.71	9	5	..
Up-Park Camp	2.18	.75	6	8	..
Kingston					
Kingston P. W. O.	1.95	1.19	6	6	3.15
Palisadoes	2.40	.94	8	8	..
Parade Garden	2.28	1.46	6	6	..
Plumb Pt. Lighthouse	1.57	.70	8	4	3.78
St. Georges College	3.42	2.52	6	6	..
Upper Kingston	2.50	1.20	6	9	4.86
St. Catherine					
Above Rocks	9.43	1.28	27	14	..
Bellas Gate	2.02	.53	13	5	7.72
Bog Walk	5.75	2.00	31	8	8.28
Brown's Hall	3.04	1.15	14	8	7.88
Carew Castle	9.11	1.48	11	17	9.82
Ewarton	2.94	1.00	11	8	..
Ginger Ridge	2.80	.95	14	9	..
Glengoffe	7.87	1.80	22	14	..
Grove Farm A. C.	.35	.32	2	2	..
Guanaboa Vale	3.50	1.45	14	3	7.23
Headworks	2.50	1.35	2	6	5.87
Hematine	.05	.03	8	3	4.41
Hog Hole	.79	.62	2	6	4.59
Knollis	7.39	1.75	11	13	9.14
Linstead	6.75	1.69	14	10	8.45
Old Harbour	2.17	.70	26	6	5.16
Pear Tree Grove	4.32	1.40	15	7	6.53
Point Hill	5.34	1.60	6	11	10.41
Quarantine Station	.38	.12	20	5	3.07
Rio Magno	6.20	3.10	11	7	8.31
Riversdale	6.56	1.53	11	14	9.91
Sligoville	8.79	1.93	2	17	11.11
Spanish Town	.00	..	..	0	4.19
Troja (Police St.)	3.63	.96	29	8	7.47
Troja L. S.	2.92	1.10	19	5	..
Tulloch Est.	7.69	1.35	10	12	..
Twickenham A. C.	.00	..	..	0	..
Worthy Park	1.27	.45	11*	5	5.72
Clarendon					
Amity Hall	.65	.35	3	2	..
Beauchamp	1.14	.50	2	3	..

Stations	August, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Clarendon, *contd.*	ins.	ins.			ins.
Belle Plain	.91	.69	14	5	6.88
Bull Head	10.63	2.80	18	13	..
Carlisle	.73	.32	11	3	..
Chapelton	2.07	.68	14	9	6.28
Colonel's Ridge	6.57	1.61	18	14	..
Cottage	.48	.30	10	2	4.49
Croft's Hill	1.52	.53	21	5	7.96
Crooked River	11.26	1.67	19	15	7.65
Douce Pennants	10.60	1.85	6	17	..
Exeter	.79	.40	2	4	4.07
Frankfield	5.07	1.04	31	12	8.58
Glen Muir	.00	..	..	0	5.66
Hillside	.60	.37	10	2	4.10
James Hill	5.88	1.00	6	8	..
Kellitts	.79	.48	11	4	..
May Pen	1.93	1.48	2	5	5.35
Milk River	.24	.14	11	3	4.29
Mocho L. S.	1.19	.26	18	4	..
Mocho P.W.D.	N.A.	..	..	..	6.95
Morelands	.84	.34	11	3	5.41
Peckham L. S.	1.82	.68	11	10	..
Pennants	4.01	1.00	8	8	..
Rock River	2.05	1.56	14	7	6.71
Salt Savannah	.38	.18	11	3	..
Silent Hill	5.04	1.90	6	8	..
Spaldings	3.17	1.10	11	11	7.57
Springfield	.50	.30	17	3	4.87
Suttons J. G. R.	2.43	2.09	14	4	6.97
Suttons, W. I. S. C.	1.04	.37	2	4	..
Thompson Town	6.18	1.75	18	9	..
Trout Hall	8.99	1.90	30	10	8.55
Manchester					
Alligator Pond	1.47	.54	2	5	3.94
Christiana	4.39	1.72	9	9	7.05
Chudleigh	4.12	1.60	6	5	8.25
Cocoawalk L. S.	.00	..	..	0	..
Craig Head	17.51	4.05	9	10	..
Garlogie	7.97	2.85	8	9	..
Greenvale	6.15	2.00	6	9	6.88
Grove Place	3.40	.60	17	8	..
Holmwood	4.37	1.32	9	7	..
Kendal	5.50	.95	6	11	8.08
Mandeville	4.21	.94	10	7	8.70
Manchester Hotel	6.24	1.54	13	11	..
Mile Gully	5.58	1.66	9	5	..
New Forest	.00	..	..	0	..
Newport	5.82	2.92	10	8	7.41
Porus	6.20	2.06	10	8	..
Retrieve	.00	..	..	0	4.30
Stone's Hope	1.84	1.03	2	5	6.55
Williamsfield J. G. R.	5.68	2.03	31	8	9.69
St. Elizabeth					
Aberdeen	8.33	2.37	10	15	..
Accompong	10.55	2.25	1	18	..
Appleton	8.08	1.95	12	10	11.15
Balaclava	6.57	2.50	10	11	8.04
Bartons	4.56	1.35	11	14	..
Black River	7.58	1.40	9	10	6.12

Stations	August, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Elizabeth, *contd.*	ins.	ins.			ins.
Braes River	7.42	2.23	9	10	..
Bull Savannah	3.22	1.39	2	7	..
Fort Charles	1.23	.65	10	3	2.72
Ginger Hill	15.19	2.06	10	19	..
Goshen	8.90	3.00	10	10	..
Holland Est.	5.63	1.58	18	10	..
Hounslow	2.03	.88	13	3	..
Ipswich	12.10	1.76	10	15	..
Lacovia	6.75	1.05	18	10	7.80
Maggotty	9.62	2.86	17	13	11.20
Malvern	5.04	2.48	10	6	..
Mountainside	N.A.	..	..	..	5.42
Mt. Charles	6.34	1.84	2	12	..
Mulgrave	10.86	1.76	8	20	..
Munro	3.81	1.01	2	9	4.45
Myersville	6.42	2.76	10	9	..
Pedro Plains	N.A.	..	..	..	3.04
Quickstep	11.30	1.25	10	16	..
Santa Cruz	9.15	3.25	10	9	9.16
Springfield	9.43	1.46	6	11	..
Springvale	7.67	1.40	17*	14	..
Torrington	1.97	.60	10	5	5.46
Treasure Beach	N.A.	..	..	..	..
Wallingford	7.67	3.50	10	16	10.77
Warminster	3.75	1.80	9	6	..
Windsor	4.24	1.32	8	9	6.96
Yardley Chase	2.93	1.82	2	5	..
Westmoreland					
Bath Pen L. S.	10.85	2.20	1	16	..
Baulk	10.89	1.40	12	19	..
Belle Isle	7.62	1.41	19	18	10.26
Bethel Town	11.01	2.80	28	17	12.75
Blue Castle	10.75	2.40	9	19	..

Stations	August, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland, *contd.*	ins.	ins.			ins.
Blue Fields	9.39	2.43	29	17	11.09
Cornwall	6.03	.95	17	15	..
Darliston	16.12	2.49	12	20	15.16
Fontabelle	6.50	1.07	9	20	11.01
Friendship	10.53	1.56	9	18	..
Frome	7.67	1.20	6	20	..
Grange Hill	11.14	2.15	27	21	12.23
Kew Park	11.52	2.75	28	19	11.97
Lamb's River	15.45	2.36	28	21	..
Little London	7.04	1.62	17	15	7.35
Masemure	7.16	1.34	19	18	..
Meylersfield	6.21	1.26	17	15	..
Midgham	9.53	1.76	19	20	..
Mint	14.98	2.20	12	22	..
Mt. Eagle	11.98	2.15	6	19	..
Mt. Edgecombe	7.43	1.61	14	17	8.31
Negril Pt. Light house	7.86	2.40	2	15	6.37
New Market	8.90	1.35	2	18	12.16
Paul Island	5.54	1.06	9	17	..
Petersfield	8.92	1.57	6	15	..
Petersville	6.92	2.12	14	12	10.36
Prospect	11.78	2.00	9	15	..
Rat Trap	14.58	2.30	18	11	..
Retreat Est.	7.62	2.44	17	17	8.26
Retrieve	5.55	1.04	3	17	..
Sav.-la-Mar	5.84	1.11	16*	12	7.67
Sheffield	9.30	1.56	2	19	..
Shrewsbury	6.88	1.22	9	18	..
Spring Garden L. S.	6.71	1.03	17	13	..
The Bog	8.34	1.49	29	15	12.53
Water Works Farm	10.50	2.05	17	18	11.95
Welch Pole	13.61	1.80	7	21	..
Whithorn	8.28	1.34	18	12	11.78
Williamsfield	11.57	3.90	22	9	..

* and on other days. N.A. = Not available

Raingauge Station Notes

The gauge at Trinity Ville, St. Thomas has been moved to a new position some few miles away and has been renamed "Seaforth".

The Swift River (Portland) gauge has also been moved to a new site which is only a short distance away and for which therefore the past records may be used without much error. The new name for the station is "Belle Vue".

A new reporting station at Malvern, St. Elizabeth has commenced in June of this year.

Attempts have been made this year to ascertain the accurate map positions of all gauges throughout the Island and good progress has been made, due to the co-operation of the many public officials and Company and private gauge-owners to whom maps have been sent for marking. *It is unfortunate that no good map of Jamaica is available particularly one giving reliable height contours, but it is hoped that this will soon be remedied.*

Figures have now been received from a gauge at Retirement in Hanover (see also Corrigenda).

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each Parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "Key" station is to find the average of all the Rain gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for Parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell.

The total rainfall for the first eight months of 1946 is also compared with the averages.

Comparative Table of Rainfall Means—August, 1946

Parish	Rainfall for August			Rainfall Jan. to Aug.	
	Actual	Average	Raindays	Actual	Average
Hanover	9.31	8.94	17.3	55.05	52.70
St. James	7.17	6.43	12.7	40.88	39.24
Trelawny	5.99	6.37	10.7	30.59	38.22
St. Ann	2.63	4.90	6.0	22.74	35.86
St. Mary	4.27	6.06	8.8	33.80	45.13
Portland	10.17	9.96	12.5	58.17	75.51
St. Thomas	5.32	8.62	8.3	33.06	43.61
Kingston and St. Andrew	4.06	7.74	8.9	21.78	35.19
Kingston	2.36	4.98	6.5	8.05	16.51
St. Catherine	3.81	7.56	7.7	22.22	37.35
Clarendon	2.88	7.46	6.4	16.46	37.51
Manchester	5.13	8.33	6.9	23.94	43.26
St. Elizabeth	6.67	8.15	10.4	37.01	42.85
Westmoreland	9.53	10.61	16.5	54.61	58.67
The Island	(a)5.83 (b)	7.56 "70-Yr" Av. 7.14	10.2 "45-Yr" Av. 11.5	34.21	42.90 "70-Yr" Av. 43.81

Notes:—The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

The August Rainfall

In accordance with the average trend towards an increase of rainfall at this time of year ,the Island figure is almost double that of last month, but even so was deficient by about 2½ inches or approximately 37%. Over the whole year from January the total fall of 34 inches is well below the long term normal of about 43 inches, but as last month the effect was not felt equally in all parishes, as the comparative table illustrates. Hanover and St. James continue to show a slight surplus while St. Elizabeth and Westmoreland are only a little deficient. The rest of the Island, but more particularly the central parishes, show deficits in varying degrees, the worst sufferer being Clarendon. This parish with only about a third its normal August rain, has now a cumulative total of less than 17 inches, *i.e.*, about 44% of an average year. Portland was the wettest parish, being slightly above normal.

The month's greatest falls were experienced at Millbank (Portland) 19.56 inches, Craig Head (Manchester) 17.51 inches, and Fellowship (Portland) 16.48 inches. The heaviest daily falls occurred in Portland, where a downpour on the 11th produced 5 inches or more at three stations, Millbank, Moore Town and Ecclesdown Land Settlement.

Returns of no measurable rain at all were sent in by Twickenham Agricultural Centre (St. Catherine); Glen Muir (Clarendon); Cocoawalk Land Settlement; New Forest and Retrieve (Manchester).

On the last day of the month a fall of hail during a thunderstorm was reported by Ulster Spring in Trelawny. Hail is not common in Jamaica and its formation is so interesting physically and meteorologically that any similar reports would be welcomed.

Sunshine

The following table shows the duration of sunshine at the four stations where Campbell Stokes continuous recorders are in operation. The fractions for each hourly period are the average over the month.

Period	Grove Place	Hope Laboratory	Orange River	Palisadoes
5–6 a.m.	..	..	..	.01
6–7 "	.34	.59	.35	.58
7–8 "	.89	.84	.68	.86
8–9 "	.94	.94	.90	.96
9–10 "	.94	.94	.89	.96
10–11 "	.90	.89	.90	.96
11–12 noon	.87	.79	.83	.89
12–1 p.m.	.89	.59	.80	.78
1–2 "	.69	.51	.68	.70
2–3 "	.46	.41	.53	.62
3–4 "	.30	.41	.48	.55
4–5 "	.22	.42	.49	.50
5–6 "	.14	.30	.27	.27
Total	7.58	7.62	7.79	8.65
Percentage	60%	60%	61%	68%
No. of days over 10 hours	7	8	9	11
Cloudiest day	20th(2.8 hrs.)	20th(2.2 hrs.)	20th(1.0 hrs.)	20th(1.4 hrs.)

Hope Laboratory shows a rapid increase of cloudiness from 11 a.m. to a cover of over half the sky, whereas Palisadoes gradually increases during the afternoon as cloud drifts over chiefly from the mainland. Orange River begins the first two hours with cloud which forms early to the east on the northern slopes of the Blue Mountains range, while the chief cloudiness of Grove Place is in the late afternoon and evening when the towering cloud in the western half of the Island tends to obscure the sun.

Earthquake in August, 1946

There being now no seismometer or seismograph to which reference can be made, the accurate tabulating and analysis of earth tremors has fallen into abeyance. However an attempt is being made to collect information from about the Island, and owners and keepers of raingauges have been circularised with a request to include any such information they care to offer when they return their monthly rainfall cards. There has been fair response and thanks are due to the enthusiasts who have sent in news of tremors. No reports have been received for August.

Tropical Distrubances

A storm formed in the South Western part of the Gulf of Mexico on the 25th. It moved in a West-north-west direction but did not develop into hurricane strength, and passing inland into Mexico just south of Tampico, dissipated rapidly as it reached the mountains. No loss of life or property damage was reported.

City of Kingston

The August rainfall was well below the average of 4.98 inches, the year's total so far being below 50% of the usual amount. The other climatological elements of temperature, humidity and evaporation were in sympathy with this as indicated in a previous issue of the Weather Report. Perhaps allied to this is the fact that the average pressure, as measured at Upper Kingston, was above normal. There is of course a definite relationship between pressure and weather, cloudiness and rain being associated with lower pressures, though this is not an invariable rule. Low pressure is not itself a cause of poor weather, but the atmospheric conditions and processes which produce the cloud and rain are more likely to be associated with low pressure and are not often found with high pressure.

Solar halos were observed on the 3rd and 19th, while both solar and lunar coronae were seen on the 13th. Coronae are very different from halos, being produced by diffraction rather than refraction. A corona is usually smaller than a halo which subtends an angle of about 22°. However this is not a sure guide, a better distinguishing feature being the sequence of colours. A well-defined halo shows spectrum colours with a very pure red on the inside nearest the sun, followed by orange and yellow. Green and blue are never strong enough and violet is so unrecognisable that the outer edge appears whitish. The corona is more often than not seen as a brownish-red ring which together with the bluish-white inner field which fills the space between the ring and the sun or moon, forms a combination termed the "aureole". If other ring colours are distinguishable they follow the brownish-red of the aureole in the order outwards of violet, blue, green and so on to red, the reverse of the sequence in the halo.

CORRIGENDA

The following amendments or additions should be made to the rainfall Station:

Weather Report	Station	Total Fall	Latest fall in 24 hours		Raindays
			Amount	Date	
		Ins.	Ins.		
Jan., 1946 (No. 834)	Retirement (Hanover)	3.50	0.88	18	8
Feb., 1946 (No. 835)	" "	2.83	1.02	18	5
Mar., 1946 (No. 836)	" "	7.27	2.06	18	15
April, 1946 (No. 837)	" "	13.73	3.07	12	14
May, 1946 (No. 838)	" "	28.50	4.58	14	26
June, 1946 (No. 839)	" "	13.49	2.27	11	18
	Greenock (St. Ann)	6.09	1.10	18*	8
July, 1946 (No. 840)	Retirement (Hanover)	9.41	1.91	10	16

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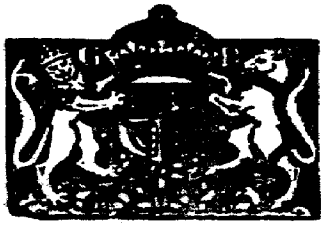

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JAMAICA
WEATHER REPORT
FOR THE MONTH OF
SEPTEMBER, 1946

MONTHLY CLIMATOLOGICAL MEANS.

Notes—The barometric pressures at all the stations are reduced to the standards of Kew, i.e., 32° F, gravity at Lat. 45° and mean sea level.
The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.
The miles of wind per diem are measured by Robinson's Cup Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.
The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus; the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.
The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.
Sunshine is recorded by *Campbell-Stokes Sphere Recorders*.
The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Barometer Pressure		Temperatures (°F)					Extreme Temperatures (°F)					Daily Sunshine (hours)
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°	°	°	°	°	°		°		°	
Morant Point Light House	8	29.901	29.860	81.8	84.5	87.3	77.6	9.7	89.7	1	70.0	15	19.7	..
Kingston	..	..	..	76.4	85.1	89.6	74.1	15.5	92.3	2	69.8	8	22.5	..
Upper Kingston ..	110	29.901	29.855	76.6	85.4	90.3	73.6	16.7	93.2	2	69.6	8	23.6	..
Negril Point Light House	33	29.900	29.869	76.6	85.1	88.6	72.9	15.8	91.0	11	70.6	14	20.4	..
Castleton Gardens ..	496	..	..	71.0	80.7	84.4	68.2	16.2	89.5	15	66.0	29	23.5	..
Hope Laboratory ..	668	..	..	74.4	83.6	89.1	67.4	21.7	95.5	1	66.9	21	28.6	6.3
Orange River Exp. Station	450	..	..	72.0	80.9	87.8	67.2	20.6	91.0	21	64.7	11	26.3	6.5
Lorrimers (Christiana) ..	..	..	..	69.2	..	81.3	64.6	16.7	87	1	61	24	26	..
Hill Gardens ..	4,900	..	..	62.4	67.0	73.5	59.7	13.8	77.4	22	57.5	7	19.9	..

Stations	Dewpoint and Rel. Humidity				Rainfall (Total)	Wind per diem	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	ins.	miles	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	75	83	76	79	11.54	239	E	11	E	10	5	0.4	2.9	4.8	0.5	3.0
Kingston	73	89	74	70	4.54	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston ..	71	81	74	69	4.37	141	N	3.9	SE	11.7	..	..	..	..	..	..
Negril Pt. Light House ..	71	84	74	70	6.59	119	NE	2.9	SE	6.0	0.3	0.4	4.9	7.6	..	1.3
Castleton Gardens ..	69	94	77	87	13.66	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	69	86	73	71	7.94	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp., Station	70	95	73	77	3.89	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana) ..	66	90	..	..	12.43	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	56	81	63	87	10.50	..	..	..	..	..	..	..	..	..	..	..

† expressed in tenths of sky covered.
Note—Rainfall and Temperatures from certain stations are published in the daily Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their raingauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Stations	September, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	20.92	3.20	27	20	11.60
Blenheim	14.74	2.70	26	17	..
Blue Hole	7.07	1.64	14*	15	8.54
Cascade	12.43	2.90	18	25	..
Copse	N.A.	..	..	..	10.54
Cousins Cove	11.07	1.69	20	23	7.78
Green Island	10.79	2.20	29	11	9.54
Green River	8.85	1.80	18	16	..
Haughton Court A.C.	6.60	2.32	7	11	6.92
Haughton Grove	12.37	1.91	20	17	12.12
Haughton Hall	8.47	1.70	29	20	7.96
Hopewell	6.12	1.66	7	11	..
Kendal	9.91	1.60	5	14	..
Kings Vale	4.96	.70	3	14	9.76
Knockalva	5.40	.91	28	19	..
Lucea	5.74	2.17	7	14	7.76
Santoy L.S.	9.09	3.32	18	17	..
Shettlewood	13.45	1.92	14	18	..
St. James					
Adelphi	6.60	1.61	26	10	..
Anchovy	7.04	1.18	4	18	6.89
Cambridge	11.95	2.08	29	20	12.04
Catadupa	23.55	3.39	18	24	13.72
Cinnamon Hill	1.26	.44	26	5	3.67
Cornwall	2.25	.93	26	10	..
Friendship	5.32	1.85	29	11	7.49
Irwin A.C.	4.21	1.68	4	8	6.99
Kempshot	7.75	1.67	29	15	8.96
Lapland	25.62	3.99	18	24	..
Latium L.S.	9.17	4.86	26	15	9.21
Maldon School	12.71	2.12	29	18	..
Mocho	20.50	3.50	17	20	11.83
Montego Bay	4.18	1.06	4	6	6.38
Montpelier	8.81	2.42	18	8	7.21
Retirement	6.78	1.95	29	14	8.46
Richmond Hill	10.26	1.50	18*	18	..
Rose Hall	.77	.24	7	5	3.33
Running Gut	1.06	.35	14	5	3.54
Spring Estate	1.54	.39	4	7	3.58
Success	.95	.42	26	5	3.37
Sweetwater	22.01	3.23	17	22	..
Tryall	1.25	.40	28	7	4.61
Vaughansfield	21.59	3.50	17	20	..
Windsor Lodge	6.54	1.50	27	14	..
Trelawny					
Albert Town	9.35	1.40	6	15	10.26
Arcadia	2.05	1.05	20	5	4.40
Clarks Town	3.93	1.85	26	7	4.27
Dee Side	23.55	3.10	29	19	..
Duncans	1.14	.40	18	4	2.27
Falmouth	1.18	.48	30	5	3.23
Garredu	.00	..	..	0	..
Harmony Hall	2.19	1.07	28	7	3.53
Hyde and Gibraltar	6.10	1.85	26	13	..
Lorrimers	12.43	1.62	29	18	..
Reserve Pen L.S.	N.A.	..	..	..	..
Stewart Town	4.43	1.35	5	13	..
Troy	14.29	3.06	29	14	13.13
Troy L.S.	13.12	2.47	29	15	..
Ulster Spring	10.58	2.30	30	19	9.83
Unity L.S.	8.45	2.00	29	13	..
Vale Royal	2.87	1.67	26	5	4.46
Wait-a-Bit	17.01	4.12	29	22	..
Wakefield	6.31	1.98	30	10	6.45
Warsop	10.99	1.58	1	15	9.59
St. Ann					
Albion	4.68	1.57	28	10	7.26
Alexandria	8.50	1.75	5	13	6.17
Armadale L.S.	10.29	1.60	14*	14	..
Averham Park	6.04	3.87	28	7	5.50
Bel-Air	1.00	.60	26	3	3.79
Beverly L.S.	1.65	.50	24*	4	..
Borobridge	12.78	2.25	18	17	..
Brown's Town	6.55	2.00	5	11	5.43
Cave Valley	11.23	1.93	28	17	7.66
Claremont	4.21	1.05	7	7	6.11
Eltham L.S.	1.74	.70	7	5	..
Exchange	1.99	.93	7	4	..
Greenock	11.24	1.90	28	17	..
Home Castle	7.30	2.45	5	5	5.11
Knapdale	5.52	2.28	26	10	5.04
Liberty Hill	2.34	.93	30	7	3.47
Moneague	6.73	1.14	7	13	7.07
New Ground A.C.	2.80	1.37	30	4	..
Ocho Rios	1.99	.90	6	5	3.59
Richmond Estate	1.54	.65	7	4	3.63
Richmond Pen	9.22	2.07	29	14	5.95
Rio Hoe	7.18	1.50	7*	11	6.09
Rockfield	N.A.	..	..	..	4.59
Runaway Bay	.79	.42	26	2	2.32
Rural Retreat L.S.	3.05	1.00	8	5	..
St. Ann's Bay	1.50	.55	8	4	3.48
Stepney	9.55	1.86	4	9	..
Thatchfield L.S.	N.A.	..	..	..	..

N.A. = Not Available. * and on other days.

Stations	September, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Ann, *contd.*	Ins.	Ins.			Ins.
Unity Valley	7.76	1.51	30	15	7.84
Watt Town	8.66	1.50	28	18	5.74
Wilton	2.25	.73	30	9	..
St. Mary					
Agualta Vale	3.44	.75	8	8	4.71
Albany	N.A.	..	..	..	4.43
Bundo L.S.	2.92	1.27	7	9	..
Castleton Gardens	13.66	2.76	7	15	12.12
Dover A.C.	4.55	1.65	8	7	4.95
Enfield	9.40	2.70	4	5	6.74
Fort Stewart	3.18	1.70	14	10	..
Fort Stewart L.S.	N.A.	..	..	..	..
Gibraltar	2.68	1.50	7	6	..
Golden Grove East	3.15	1.60	14	11	..
Golden Grove, West	2.76	1.65	14	9	..
Grays Inn Central Fact.	4.21	1.70	7	13	..
Guys Hill	5.37	1.72	7	10	7.04
Hampstead	5.95	2.30	30	8	5.82
Iter Boreale	3.20	1.67	7	10	..
Jacks River	3.04	1.35	7	6	..
Lady Hole	3.87	1.65	7	11	..
Lower Esher	2.87	1.78	7	6	..
Lucky Hill	3.24	1.32	7	7	3.65
Lucky Hill Pen	8.12	2.83	30	5	..
Newry	2.70	1.50	7	7	..
Nutfield A.C.	2.37	1.72	8	4	..
Oracabessa	2.91	1.30	7	8	5.75
Orange River	3.89	1.80	7	10	..
Platfield	7.64	2.30	28	17	..
Port Maria	2.99	1.50	7	8	4.29
Quebec	N.A.	..	..	..	4.77
Retreat	3.95	2.10	30	4	..
Richmond	3.83	2.14	7	5	5.91
Warwick Castle L.S.	3.20	1.39	8	9	..
Water Valley	2.42	1.55	7	4	4.66
Wentworth	N.A.	..	..	..	..
Western St. Mary L.S.	4.03	1.25	21	4	..
Wey Hill P.W.D.	N.A.	..	..	..	..
Windsor Castle	4.29	2.01	7	4	5.00
Portland					
Balcarres	8.18	1.80	7	3	7.56
Belle Vue	8.55	2.83	7	9	..
Belvedere	4.21	1.50	7	11	2.98
Boston	17.36	11.80	7	14	9.40
Boundbrook L.S.	14.57	8.18	7	12	..
Buff Bay	4.70	2.82	7	8	5.17
Bybrook	5.33	2.28	8	9	..
Caenwood	8.40	4.70	7	6	..
Cedar Hurst	10.36	2.52	6	18	8.15
Chepstowe	6.44	2.32	7	7	..
Darley	17.33	10.00	8	19	..
Ecclesdown L.S.	23.45	12.50	7	17	..
Fellowship	23.78	16.00	7	13	12.41
Fruitful Vale	12.10	3.65	7	13	..
Hope Bay	11.31	6.60	7	13	7.31
Lennox	8.50	5.00	7	8	6.44
Manchioneal	17.62	6.90	7	14	10.25
Millbank	26.76	16.35	7	15	17.20

Stations	September, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Moore Town	25.29	16.20	7	18	15.02
Mt. Holstein	6.43	1.75	7	9	9.71
Mt. Pleasant L.S.	9.97	7.30	7	6	..
Passley Garden	11.60	..	..	..	9.73
Plum Valley	4.02	2.10	7	9	..
Port Antonio	22.19	13.31	7	18	10.48
Priestmans River	18.93	10.85	7	19	10.40
Shrewsbury	5.50	1.83	7	10	9.44
Spring Garden	4.23	2.50	7	9	5.59
Titchfield Sch.	18.86	7.53	8	19	..
Windsor A.C.	20.81	11.26	7	22	..
St. Thomas					
Barrett Gap	21.94	10.22	7	17	..
Bath	20.27	12.10	7	16	12.45
Bowden Pen	32.02	17.50	7	16	..
Buckingham L.S.	N.A.	..	..	..	..
Cedar Valley	10.66	5.30	7	12	11.85
Clifton Hill Est.	16.23	9.15	7	21	..
Coley	8.36	5.74	7	5	10.79
Duckenfield	11.80	7.64	7	13	..
Easington	7.72	3.50	7	6	8.39
East Prospect	13.01	8.20	7	15	8.85
Golden Grove, G.S.E.	N.A.	..	..	..	..
Golden Grove J.S.E.	10.10	7.45	7	12	..
Llandewey	3.90	3.75	7	2	..
Lloyds	10.24	4.17	8	6	..
Morant Bay	16.05	9.56	7	14	8.12
Morant Pt. Lighthouse	11.54	6.75	7	15	6.85
Pera	N.A.	..	..	..	..
Plantain Garden River	21.50	12.80	7	15	..
Pleasant Hill	14.84	4.86	7	14	8.85
Rowlandsfield L.S.	15.36	5.93	7	13	..
Seaforth	13.73	7.60	7	18	..
Spanish Wood	10.31	6.05	7	14	..
Stokes Hall	N.A.	..	..	..	..
Wheelersfield	16.54	9.43	7	15	..
Yallahs	6.25	3.63	7	7	7.04
Kingston and St. Andrew					
Bamboo Avenue	9.10	3.16	7	10	..
Brandon Hill	10.83	3.15	26	7	..
Cavaliers	4.98	3.54	7	11	..
Clifton Pen	6.06	4.75	7	7	4.49
Constant Spring F.P.	15.55	3.02	7	22	..
Constant Spring Ch. Rd	9.11	2.93	7	13	..
Dallas Castle	5.11	3.90	7	9	10.92
Fort George	19.31	3.02	7	24	..
Golden Spring	16.90	2.80	27	20	..
Gordon Town	15.57	5.60	26	11	8.06
Guava Ridge	5.30	3.18	7	6	7.29
Halfway Tree	6.51	3.06	7	12	4.82
Harbour Head	5.56	5.06	7	4	..
Hardware Gap F.D.	15.25	2.85	7	15	..
Hardware Gap P.W.D.	13.54	3.30	7	12	10.60
Hermitage	18.83	3.83	6	22	9.69
Hill Gardens	10.50	3.25	7	18	9.27

N.A. = Not Available.

Stations	September, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Kingston and St. Andrew, *contd.*	Ins.	Ins.			Ins.
Hope Farm	9.42	3.95	7	11	7.14
Hope Laboratory	7.94	3.16	7	13	..
Hope Waterworks	9.04	3.85	7	12	..
Irish Town	16.22	5.20	26	11	8.55
Iver	14.81	3.27	7	17	..
King's House Gardens	7.21	3.10	7	11	5.44
Lawrence Tavern	10.59	3.14	18	12	9.80
Mavis Bank	6.01	2.55	7	12	7.29
Mt. Airy	18.21	3.97	5	13	..
Mt. Cressy	14.02	3.00	6	14	..
Red Hills	5.56	2.40	7	12	8.14
Rose Hill	14.93	2.85	7	16	12.22
Salisbury Plain A.C.	11.01	3.95	7	11	..
Sea View F.P.	18.11	2.80	7	24	..
Shortwood College	8.61	3.25	7	13	..
Stony Hill	19.71	3.72	7	20	9.93
Twickenham Park	5.17	3.58	7	8	..
Up Park Camp	5.97	4.36	7	6	..
Kingston					
Kingston P.W. O.	3.97	3.93	7	3	3.36
Palisadoes	6.42	3.20	7	5	..
Parade Gardens	3.43	3.32	7	4	..
Plumb Pt. Lighthouse	6.57	5.15	7	2	4.32
St. George's College	4.54	4.06	7	9	..
Upper Kingston	4.37	3.63	7	8	4.53
St. Catherine					
Above Rocks	10.54	2.30	7	16	..
Bellas Gate	6.73	2.30	5	10	5.64
Bog Walk	5.65	1.34	13	8	6.89
Browns Hall	4.11	1.20	7	8	9.81
Carew Castle	16.76	3.79	18	18	10.35
Ewarton	8.43	1.35	9	16	..
Ginger Ridge	4.32	.90	29	10	..
Glengoffe	17.76	2.06	5	20	..
Grove Farm A.C.	2.31	1.20	7	8	..
Guanaboa Vale	2.38	1.70	7	3	5.77
Headworks	5.42	2.08	7	6	6.19
Hematine	1.97	1.40	7	6	4.51
Hog Hole	4.06	1.68	7	10	5.68
Knollis	5.19	1.63	13	7	7.46
Linstead	8.43	1.35	9	16	7.40
Old Harbour	1.80	1.40	7	4	6.01
Pear Tree Grove	3.82	1.82	7	5	5.78
Point Hill	7.61	2.10	7	12	10.65
Quarantine Station	2.15	2.03	7	3	3.25
Rio Magno	8.70	2.50	28	12	5.43
Riversdale	8.55	1.50	6	9	8.08
Sligoville	9.40	1.58	7*	16	9.69
Spanish Town	2.65	2.08	7	4	4.84
Troja	5.38	1.72	7	9	5.97
Troja L.S.	6.79	1.60	7*	9	..
Tulloch Estate	6.14	1.80	13	15	..
Twickenham A.C.	3.18	2.60	7	4	..
Worthy Park	6.85	1.50	7	14	7.50
Clarendon					
Amity Hall	3.66	2.50	7	6	..
Beauchamp	2.72	1.55	7	6	..
Belle Plain	8.84	2.94	25	10	8.12

N.A.—Not Available. *and on other days.

Stations	September, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Clarendon, *contd.*	Ins.	Ins.			Ins.
Bull Head	10.60	2.20	6	15	..
Carlisle	4.24	2.27	7	7	..
Chapelton	12.27	2.16	3	14	7.77
Colonels Ridge	13.97	2.98	29	19	..
Cottage	4.95	2.74	30	3	6.40
Crofts Hill	9.82	3.70	29	10	8.41
Crooked River	9.26	2.33	18	16	7.14
Douce Pennants	10.34	1.92	18	17	..
Exeter	4.28	2.38	7	7	5.15
Frankfield	8.87	1.71	18	19	8.09
Glen Muir	8.40	1.80	3	9	4.92
Hillside	1.28	.75	7	3	5.34
James Hill	11.12	1.36	30	18	..
Kellitts	10.04	2.10	19	15	..
May Pen	8.40	2.06	2	11	6.72
Milk River	4.41	2.24	7	7	6.76
Mocho L.S.	9.29	2.85	29	..	..
Mocho P.W.D.	N.A.	..	..	..	9.18
Morelands	2.61	1.90	7	4	6.12
Peckham L.S.	8.83	1.43	18	21	..
Pennants	9.65	1.58	25	12	..
Rock River	8.77	1.70	18	11	5.90
Salt Savannah	3.71	1.92	7	4	..
Silent Hill	6.61	1.45	3	10	..
Spaldings	12.25	2.20	18	18	7.82
Springfield	4.16	2.15	7	6	5.05
Suttons J.G.R.	15.33	4.05	29	15	7.48
Suttons W.I.S.C.	3.80	2.52	7	7	..
Thompson Town	7.86	1.48	29	15	..
Trout Hall	N.A.	..	..	..	10.47
Manchester					
Alligator Pond	3.76	1.68	7	6	5.34
Christiana	7.96	1.30	7	13	8.70
Chudleigh	7.53	1.50	29	12	9.50
Cocoawalk L.S.	4.35	1.20	7	6	..
Craig Head	13.09	3.00	2	13	..
Garlogie	10.01	1.83	7	14	..
Greenvale	7.53	2.25	3	19	7.81
Grove Place	5.84	1.50	7	15	..
Holmwood	7.45	1.23	7	18	..
Kendal	7.44	1.61	29	16	9.28
Mandeville	7.06	1.87	4	8	9.92
Mandeville Man. Hotel	8.48	1.81	7	12	..
Mile Gully	9.20	3.00	3	13	..
New Forest	3.98	1.26	29	5	..
Newport	7.41	1.52	7	12	8.23
Porus	8.22	1.55	29	12	..
Retrieve	5.80	2.60	24	5	6.43
Stones Hope	6.80	1.94	29	11	8.58
Williamsfield	9.07	2.25	29	13	9.02
St. Elizabeth					
Aberdeen	15.63	3.23	2	19	..
Accompong	9.70	2.80	2	11	..
Appleton	8.28	1.87	3	14	11.74
Balaclava	13.05	2.57	2	12	10.30
Bartons	10.65	2.05	7	15	..
Black River	4.40	1.45	28	8	5.27
Braes River	7.16	2.23	23	12	..
Bull Savannah	6.52	1.54	6	9	..

Stations	September, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth, *contd.*					
Fort Charles	1.96	1.50	5	2	3.53
Ginger Hill	18.01	2.60	27	18	..
Goshen	6.32	1.48	30	9	..
Holland Estate	8.14	1.70	12	17	..
Hounslow	2.84	1.20	3	7	..
Ipswich	13.13	1.85	18	15	..
Lacovia	6.26	1.50	3	13	5.55
Maggotty	9.52	1.76	26	19	11.42
Malvern	4.83	1.72	3	11	..
Mountainside	N.A.	..	..	..	5.13
Mt. Charles	8.89	2.38	27	17	..
Mulgrave	17.79	2.15	2	19	..
Munro	3.19	.80	7	11	5.98
Myersville	5.87	1.45	2	10	..
Pedro Plains	N.A.	..	..	..	4.10
Quickstep	14.11	2.10	27	17	..
Santa Cruz	8.96	2.05	4	10	9.41
Springfield	10.31	1.60	1	17	..
Springvale	11.61	1.62	12	19	..
Torrington	3.56	.70	2*	9	6.45
Treasure Beach	N.A.	..	..	..	..
Wallingford	15.10	4.94	2	21	11.76
Warminster	5.95	2.85	2	7	..
Windsor	5.13	1.28	3	15	7.64
Yardley Chase	4.89	1.70	6	7	..
Westmoreland					
Bath Pen L.S.	8.60	1.30	6	15	..
Baulk	17.79	2.00	2	22	..
Belle Isle	14.26	2.20	4	21	10.45
Bethel Town	15.91	3.18	16	18	14.22
Blue Castle	14.82	1.86	12	22	..
Bluefields	6.54	1.78	12	18	10.52

Stations	September, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland, *contd.*					
Cornwall	12.60	2.85	2	21	..
Darliston	27.47	3.00	13*	22	14.61
Fontabelle	10.36	1.65	4	20	10.58
Friendship	12.37	1.90	4	21	..
Frome	11.70	1.28	12	22	..
Grange Hill	15.34	2.77	12	22	12.02
Kew Park	14.76	3.05	30	17	12.06
Lambs River	23.84	3.10	29	24	..
Little London	9.07	3.39	6	18	9.37
Masemure	9.63	1.96	4	19	..
Meylersfield	6.70	2.35	6	15	..
Midgham	15.63	3.04	4	20	..
Mint	13.99	3.10	28	20	..
Mt. Eagle	14.80	2.08	28	19	..
Mt. Edgecombe	7.19	.91	12*	18	7.99
Negril Pt. Lighthouse	6.59	1.08	6*	18	6.39
New Market	20.31	2.10	29	17	11.50
Paul Island	7.42	1.50	6	20	..
Petersfield	13.95	1.50	2	20	..
Petersville	6.79	1.46	5	18	9.48
Prospect	16.50	1.54	6	23	..
Rat Trap	23.11	3.78	28	15	..
Retreat Estate	7.83	1.44	13	19	7.44
Retrieve	6.87	1.15	12	19	..
Savanna-la-Mar	11.29	3.00	7	16	7.14
Sheffield	10.29	1.95	29	19	..
Shrewsbury	13.55	2.18	2	20	..
Spring Garden L.S.	6.53	.99	13	16	..
The Bog	8.63	1.32	3	18	12.38
Waterworks Farm	12.25	1.70	29	15	11.01
Welch Pole	18.68	2.10	26	21	..
Whithorn	2.33	.87	8	4	11.17
Williamsfield	21.02	3.50	17	23	..

N.A.=Not Available *and on other days.

Raingauge Station Notes:—

The gauge at Trinityville in St. Thomas has been moved to a new position some few miles away and has been renamed "Seaforth".

The Swift River Portland gauge has also been moved to a new site which is only a short distance away and for which therefore the past records may be used without much error. The new name for the station is "Belle Vue".

A new reporting station is Malvern in St. Elizabeth commencing in June of this year.

There is now no Land Settlement Officer at Copse, Hanover, and readings at this Station have now ceased.

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the raingauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first nine months of 1946 is also compared with the averages.

Comparative Table of Rainfall Means—September, 1946

Parish	Rainfall for September			Rainfall Jan. to Sept.	
	Actual	20-Year Average	Raindays	Actual	20-Year Average
Hanover	10.23	8.95	17.0	65.28	61.65
St. James	9.92	6.44	14.4	50.80	45.68
Trelawny	7.48	6.33	11.2	38.07	44.55
St. Ann	5.70	4.86	9.3	28.44	40.72
St. Mary	4.94	5.84	8.2	38.74	50.97
Portland	14.75	13.77	13.1	72.92	89.28
St. Thomas	13.89	9.66	12.4	46.95	53.27
Kingston & St. Andrew	9.51	8.04	11.5	31.29	43.23
Kingston	4.88	3.81	5.2	12.93	20.32
St. Catherine	5.85	6.40	9.9	28.07	43.75
Clarendon	8.09	7.38	11.7	24.55	44.89
Manchester	8.14	8.27	11.8	32.08	51.53
St. Elizabeth	8.50	7.45	12.5	45.51	50.30
Westmoreland	12.79	9.31	18.4	67.40	76.98
The Island	9.16	7.61	12.3	43.37	50.51
		70-Year Average	45-Year Average		70-Year Average
	..	7.80	12.6	..	51.61

Notes—The monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices and include the City of Kingston the main part of the Harbour and the Airport.

The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944 the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "the Rainfall of Jamaica to 1939—70-Year Period" the Island means now being calculated as the average of the four 'Divisions' into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means but they are considered sufficiently so for practical comparison purposes.

The September Rainfall

The most interesting and welcome feature of this month was the widespread breaking of the drought which has gripped much of the Island. The rains began early in the month and gradually increased in intensity, culminating in a down-pour on Saturday 7th. This affected the eastern half of Jamaica as the figures for St. Thomas show but thereafter most of the Parishes received a good supply of rain, although St. Mary, Manchester and St. Catherine were slightly below normal. The surplus over the whole Island was about 1½ inches or 20%, while over the whole of the current year the deficit was reduced to about 15%. The wettest parish was Portland, St. Thomas close behind showing the greatest surplus.

The month's greatest fall was at Bowden Pen (St. Thomas) which had over 32 inches of rain, while Millbank and Mooretown (Portland) and Lapland (St. James) all had over 25 inches. The heaviest daily falls, of over 16 inches, occurred at Fellowship, Millbank and Mooretown (Portland) and Bowden Pen (St. Thomas), while other stations recorded over 10 inches.

The only return of no measurable rain was sent in by Garredu in Trelawny.

Sunshine

The following table shows the duration of sunshine at the four stations where Campbell Stokes continuous recorders are in operation. The figures for each hourly period are the average over the month.

Period	Grove Place	Hope Laboratory	Orange River	Palisadoes
6–7 a.m. ..	.15	.37	.23	.35
7–8 " ..	.80	.81	.73	.77
8–9 " ..	.87	.82	.85	.78
9–10 " ..	.88	.81	.82	.84
10–11 " ..	.85	.76	.80	.84
11–12 noon ..	.83	.68	.79	.87
12–1 p.m. ..	.77	.61	.70	.85
1–2 " ..	.53	.46	.48	.71
2–3 " ..	.34	.40	.39	.53
3–4 " ..	.24	.20	.33	.42
4–5 " ..	.09	.26	.25	.30
5–6 " ..	.02	.10	.12	.12
Total ..	6.36	6.28	6.50	7.39
Percentage ..	52%	51%	53%	61%
No. of days over 10 hours ..	Nil	2	Nil	5
Cloudiest day ..	7/24th (2.9 hrs.)	24th (nil)	7th (2.8 hrs.)	24th (0.1 hrs.)

September was the cloudiest month of the year as might be gathered from the rains, all stations being affected to a marked degree especially in the late afternoon.

Evaporation

Upper Kingston: 6.96 inches, the "20-year" average being 5.31 inches.
Negril Point: 5.65 inches.
Hope Laboratory: 3.90 inches approximately.

Earthquakes

Date	Time	Intensity	Where felt etc.
7th	not given	Slight	Alligator Pond—duration 30 secs.

Tropical Disturbances

During this month only one storm formed and this did not affect Jamaica in any way. A bad weather area reached the Northern Bahamas and pressure fell rapidly on the 12th. A circulation developed and the centre moved off northwards turning later Northeast, with intensification to a full hurricane. Its further motion was wholly over the Atlantic Ocean between Bermuda and the coast of U.S.A., and no land area suffered.

City of Kingston

The City had its share of the long awaited rains, the several gauges all showing around or above normal, though the Airport had more than the City itself. The diversity in the number of raindays in this close network of gauges is of interest. Thunder was heard on 14 occasions. No sky phenomenon was seen.

Meteorological Office,
Palisadoes Airport

J. T. Gilbert, B.Sc., F.R. Met. S.,
A.M. Meteorological Officer,
Government Meteorologist

No. 843

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JAMAICA
WEATHER REPORT

FOR THE MONTH OF OCTOBER, 1946

MONTHLY CLIMATOLOGICAL MEANS

Notes—The barometric pressures at all the stations are reduced to the standards of Kew, i.e., 32°F., gravity at Lat. 45° and mean sea level.

The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

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

The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus; the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.

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

Sunshine is recorded by Campbell-Stokes Sphere Recorders.

The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Bar Pressure		Temperatures (°F)					Extreme Temperature (°F)					Daily Sunshine (hours)
		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	29.868	29.822	80.0	85.0	88.0	75.9	12.1	90.0	29	70.0	4	20.0	..
Kingston	..	..	..	77.0	85.2	90.1	74.4	15.7	92.9	27	71.5	31	21.4	..
Upper Kingston	110	29.870	29.821	76.4	86.0	90.3	74.0	16.3	93.5	20	70.7	31	22.8	..
Negril Pt. Light House	33	29.864	29.818	76.7	86.0	88.3	72.8	15.5	92.3	20	69.2	25	23.1	..
Castleton Gardens	496	..	..	70.5	82.1	85.1	67.5	17.6	87.0	6*	65.5	2	21.5	..
Hope Laboratory	668	..	..	73.6	83.0	89.0	69.4	19.6	91.4	20	67.2	4	24.7	8.1
Orange River Exp. Station	450	..	..	72.4	81.4	87.5	68.1	19.4	92.0	9*	64.7	3	27.3	7.2
Lorrimers (Christiana)	..	..	..	68.0	..	80	64	16	83	12	60	3*	23	..
Hill Gardens	4,900	..	..	61.4	66.4	71.4	59.0	12.4	77.2	9	55.8	1	21.4	..

Stations	Dew Point and Rel. Humidity				Rainfall (Total)	Wind per diem.	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	in.	Mls.	Dir.	mph.	Dir.	mph	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	75	84	77	75	2.11	202	E	8.0	NE	8.0	4.0	0.5	1.6	4.5	0.3	2.4
Kingston	71	81	74	69	2.30	..	..	..	..	..	..	..	..	..	..	..
Upper Kingston	70	83	74	68	1.88	132	N	4.0	SE	10.2	..	..	..	..	..	..
Negril Point Light House	72	84	75	69	3.25	134	NE	3.5	SE	6.6	1.3	0.9	3.3	5.8	0.1	1.4
Castleton Gardens	68	91	77	84	8.54	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	69	87	73	74	1.81	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp. Station	71	95	72	74	4.68	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana)	66	94	..	..	8.03	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	57	84	63	89	7.64	..	..	..	..	..	..	..	..	..	..	..

*and on other days. †Expressed in tenths of sky covered.

Norm—Daily readings from selected stations are published in the Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Stations	October, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	11.58	3.65	6	11	15.46
Blenheim	6.77	2.00	6	11	..
Bluehole	9.38	2.47	18	12	10.63
Cascade	14.51	2.65	19	17	..
Copse	N.A.	..	..	..	10.07
Cousins Cove	6.90	2.16	6	15	10.78
Green Island	5.52	3.12	6	7	8.98
Green River	7.35	1.80	7	11	..
Haughton Court A.C.	8.53	2.00	11	9	7.54
Haughton Grove	7.28	1.66	19	13	11.82
Haughton Hall	4.50	1.32	6	9	8.64
Hopewell	6.30	1.98	19	13	..
Kendal	9.24	4.00	6	11	..
King's Vale	3.05	.55	7	10	8.65
Knockalva	3.48	1.18	7	13	..
Lucea	7.51	1.80	31	9	8.60
Retirement (F.D.)	10.55	2.43	6	13	..
Santoy L. S.	4.60	1.56	7	7	..
Shettlewood	8.54	2.72	18	12	..
St. James					
Adelphi	4.41	1.90	17	11	..
Anchovy	8.92	4.72	19	18	6.94
Cambridge	5.84	1.65	19	11	13.28
Catadupa	4.56	.85	19	19	14.92
Cinnamon Hill	4.00	1.00	31	14	6.81
Cornwall	4.64	.75	17	15	..
Friendship	5.21	.82	19	14	10.24
Irwin, A. C.	4.09	.83	14	8	6.86
Kempshot	5.88	1.73	19	12	9.97
Lapland	5.64	.91	31	15	..
Latium L. S.	5.75	2.58	17	11	8.96
Maldon School	6.89	1.35	29	15	..
Mocho	13.12	2.39	19	13	19.02
Montego Bay	6.10	1.64	31	10	7.68
Montpelier	6.24	1.85	19	9	9.68
Retirement	6.76	1.35	19	17	9.54
Richmond Hill	6.40	1.70	1	13	..
Rose Hall	4.83	.94	31	12	6.71
Running Gut	6.23	1.36	14	10	5.94
Spring Estate	4.75	1.14	12	7	6.33
Success	4.39	1.78	31	13	6.26
Sweetwater	8.75	1.40	26	16	..
St. James, *contd.*					
Tryall	5.60	1.22	5	9	6.36
Vaughansfield	11.47	2.39	19	11	..
Windsor Lodge	6.32	1.85	17	15	..
Trelawny					
Albert Town	5.50	1.40	11	7	11.75
Arcadia	2.95	1.05	5	7	6.45
Clarks Town	2.62	.65	16	9	9.04
Deeside	29.94	5.00	19	13	..
Duncans	2.88	.75	5*	10	6.19
Falmouth	2.79	.70	8	16	5.66
Garredu	2.40	.65	16	5	..
Harmony Hall	2.88	.76	15	13	5.35
Hyde and Gibraltar	2.84	.94	17	6	..
Lorrimers	8.03	3.91	3	9	..
Reserve Pen L.S.	N.A.	..	..	..	..
Stewart Town	3.27	1.81	17	6	..
Troy	6.51	2.32	1	8	15.89
Troy L.S.	4.49	.68	26	13	..
Ulster Spring	4.06	1.59	17	10	11.72
Unity L.S.	N.A.	..	..	..	..
Vale Royal	2.58	.73	5	9	6.62
Wait-a-Bit	7.99	2.19	18	12	..
Wakefield	6.32	1.26	17	11	9.25
Warsop	3.21	.83	18	10	15.43
St. Ann					
Albion	6.51	1.67	18	16	9.05
Alexandria	2.03	1.30	4	5	8.20
Armadale L.S.	6.00	1.47	28	6	..
Averham Park	8.21	1.75	4	16	10.57
Bel-Air	1.90	.65	31	8	7.86
Beverley L. S.	2.02	.60	17	8	..
Borobridge	5.68	1.60	6	10	..
Brown's Town	4.15	2.23	17	14	8.62
Cave Valley	5.11	.82	2	13	9.47
Claremont	7.70	1.63	4	16	8.59
Eltham	3.15	.70	30	8	..
Exchange	3.15	.70	30	8	..
Greenock	5.11	.82	2	13	..
Home Castle	1.27	1.27	17	1	7.18
Knapdale	3.22	1.82	17	12	9.41
Liberty Hill	3.89	.70	16	18	5.95
Moneague	9.93	2.30	4	11	9.32
New Ground A. C.	4.34	.90	16	10	..
Ocho Rios	4.55	1.28	15	10	6.26
Richmond Estate	2.38	.43	18	12	6.81
Richmond Pen	4.21	1.40	17	6	7.43
Rio Hoe	8.51	3.10	2	16	9.15
Rockfield	6.27	1.53	14	17	7.55
Runaway Bay	1.73	.49	17	6	4.13
Rural Retreat	6.33	1.25	14	12	..
St. Ann's Bay	5.97	1.56	16	15	6.94
Stepney	6.28	3.00	4	4	..
Thatchfield L. S.	1.66	.50	16	8	..
Unity Valley	12.97	2.45	4	19	9.64

*And on other days. N.A. = Not available.

Stations	October, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days		
St. Ann, *contd.*	ins.	ins.			ins.
Watt Town	3.06	1.62	16	6	7.29
Wilton	2.05	1.15	17	7	..
St. Mary					
Agualta Vale	2.88	.75	30	10	7.05
Albany	N.A.	..	..	..	8.07
Bundo L. S.	4.82	1.10	22	12	..
Castleton Gardens	8.54	1.28	18	12	15.59
Dover, A. C.	4.30	1.05	21	9	8.25
Enfield	5.56	1.83	18	5	13.69
Fort Stewart	3.33	.90	22	9	..
Fort Stewart L. S.	N.A.	..	..	..	..
Gibraltar	3.18	.75	22	10	..
Golden Grove, East	4.74	1.15	22	11	..
Golden Grove, West	2.68	.50	21	10	..
Grays Inn Cen. Facty.	3.08	.65	7	11	..
Guy's Hill	5.49	1.25	19	14	9.59
Hampstead	1.72	.30	18*	9	8.91
Iter Boreale	4.32	1.02	22	12	..
Jacks River	4.22	.90	24	13	..
Lady Hole	3.51	1.02	22	15	..
Lower Esher	2.83	1.15	22	5	..
Lucky Hill P.W.D.	5.37	2.47	16	13	9.05
Lucky Hill Pen	3.36	.73	19	10	..
Newry ..	2.54	.52	21	12	..
Nutfield A. C.	3.00	.87	22	9	..
Oracabessa	5.05	1.44	28	13	11.01
Orange River	4.68	1.30	19	13	..
Platfield	5.50	1.39	11	13	..
Port Maria	3.76	.83	28	11	8.46
Quebec ..	N.A.	..	..	..	10.09
Retreat	3.81	.90	29	10	..
Richmond	4.72	1.20	19	9	8.45
Warwick Castle L.S.	2.85	.52	28	11	..
Water Valley	2.48	.75	22	8	7.28
Wentworth	N.A.	..	..	..	..
Western St. Mary L.S.	10.13	3.31	31	7	..
Wey Hill P.W.D.	N.A.	..	..	..	..
Windsor Castle	5.27	1.54	10	7	12.76
Portland					
Balcarres	5.00	1.63	23	12	18.53
Belle Vue	6.49	2.14	23	9	..
Belvedere	6.09	1.47	24	15	8.45
Boston	4.95	1.21	10	10	13.48
Boundbrook L. S.	14.57	8.18	7	12	..
Buff Bay	6.27	2.50	24	8	9.62
Bybrook	4.94	1.50	24	10	..
Caenwood	6.92	1.50	24	8	..
Cedar Hurst	7.13	1.78	23	19	19.16
Chepstowe	5.93	1.15	22	10	..
Darley	5.98	1.52	30	13	..
Ecclesdown	8.01	1.62	24	8	..
Fellowship	12.97	2.35	21	13	17.13
Fruitful Vale	10.34	2.20	24	15	..
Hope Bay	6.85	1.32	21	12	14.02
Lennox ..	N.A.	..	..	..	12.28
Manchioneal	5.38	1.44	31	7	17.35
Mill Bank	12.42	2.78	23	16	28.86

Stations	October, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	ins.	ins.			ins.
Moore Town	11.04	2.10	23	16	20.50
Mt. Holstein	9.46	3.05	25	13	13.81
Mt. Pleasant	6.05	1.82	30	6	..
Passley Garden	7.70	..	..	..	16.57
Plum Valley	5.99	1.61	30	12	..
Port Antonio	9.95	2.61	30	14	14.81
Priestman's River	3.63	.72	10	15	15.37
Shrewsbury	8.06	1.20	23	17	12.51
Spring Garden	4.20	1.32	23	10	8.50
Titchfield School P.A.	9.34	1.62	21	14	..
Windsor A. C.	16.31	4.86	21	19	..
St. Thomas					
Barrett's Gap	6.60	1.40	10	11	..
Bath ..	5.61	1.45	31	7	17.82
Bowden Pen	5.52	2.00	10	6	..
Buckingham L. S.	N.A.	..	..	..	..
Cedar Valley	9.57	1.50	30	21	15.49
Clifton Hill	2.44	.53	10	8	..
Coley ..	7.43	2.35	30	11	15.02
Duckenfield	5.95	1.79	15	15	..
Easington	3.37	2.17	30	10	12.17
East Prospect	2.77	1.19	19	9	13.92
Golden Grove J. S. E	5.04	1.30	15	10	..
Llandewey	2.98	1.00	30	6	..
Lloyds	4.25	2.45	31	4	..
Morant Bay	1.60	.57	10	6	13.06
Morant Pt. Lighthouse	2.11	.75	30	11	11.71
Pera ..	N.A.	..	..	..	..
Plantain Garden River	6.20	1.90	10	13	..
Pleasant Hill	4.13	.96	11	11	14.16
Rowlandsfield L. S.	8.54	2.19	12	8	..
Seaforth	4.19	1.50	30	11	..
Spanishwood	4.48	1.08	5	11	..
Stokes Hall	N.A.	..	..	..	..
Wheelersfield	5.80	1.30	30	12	..
Yallahs	2.39	.96	30	5	13.41
Kingston and St. Andrew					
Bamboo Ave.	2.95	.89	15	11	..
Brandon Hill	6.11	1.21	30	9	..
Cavaliers	2.17	.87	30	12	..
Clifton Pen	1.29	.44	30	5	7.39
Constant Spring	6.86	1.89	26	18	..
Constant Spring Ch. Rd.	5.94	1.73	26	10	..
Dallas Castle	5.30	1.25	26	10	16.15
Fort George	11.22	2.26	19	17	..
Golden Spring	11.52	2.15	15	19	..
Gordon Town	5.97	2.90	3	8	13.04
Guava Ridge	2.85	.89	22	5	17.13
Halfway Tree	2.52	.77	30	12	8.33
Harbour Head	1.49	.69	30	8	..
Hardware Gap F. D.	8.60	2.10	18	15	..
Hardware Gap P.W.D.	10.67	3.20	18	12	16.12
Hermitage	6.53	1.72	15	15	15.20
Hill Gardens	7.64	1.92	15	19	16.37

*And on other days. N.A.—Not available.

Stations	October, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Kingston and St. Andrew, *contd.*	ins.	ins.			ins
Hope Farm A.G. Stn.	2.21	.54	15	9	10.00
Hope Laboratory	1.81	.24	7*	15	..
Hope Water Works	1.89	.48	15	12	..
Irish Town	8.41	3.00	3	10	12.13
Iver	3.28	.60	18	14	..
King's House Gardens	3.81	.87	15	10	8.48
Lawrence Tavern	8.35	2.13	3	11	12.18
Mavis Bank	4.70	.70	15	11	17.13
Mount Airy	9.77	1.45	3*	11	..
Mount Cressy	9.80	2.05	24	19	..
Red Hills	8.23	2.35	29	11	13.34
Rose Hill	6.95	2.63	18	15	15.32
Salisbury Plain A. C.	13.80	5.80	19	9	..
Sea View F.P.	6.83	1.86	15	13	..
Shortwood College	7.38	1.74	3	14	..
Stony Hill	11.26	2.37	29	15	14.30
Twickenham Park	1.32	.76	30	4	..
Up-Park Camp	5.19	3.05	30	6	..
Kingston					
Kingston P. W. O.	1.84	.97	6	7	6.19
Palisadoes	1.17	.51	6	5	..
Parade Garden	1.81	.50	15	6	..
Plumb Pt. Lighthouse	.64	.54	6	2	7.29
St. Georges College	2.30	.66	15	8	..
Upper Kingston	1.88	.50	30	9	7.43
St. Catherine					
Above Rocks	13.86	5.95	19	13	..
Bellas Gate	5.48	1.67	15	12	12.95
Bog Walk	4.33	.95	19	9	11.48
Brown's Hall	5.72	1.77	31	10	12.12
Carew Castle	11.04	4.52	19	14	12.37
Ewarton	5.99	1.90	7	10	..
Ginger Ridge	5.80	1.80	29	5	..
Glengoffe	6.43	2.50	19	15	..
Grove Farm A. C.	7.41	2.25	30	11	..
Guanaboa Vale	5.64	1.30	25	10	11.99
Headworks	4.93	1.83	30	10	9.35
Hematine	4.21	1.15	3	11	7.50
Hog Hole	5.45	1.36	15	13	9.34
Knollis	4.07	1.00	20	8	11.41
Linstead	5.89	1.70	20	13	9.67
Old Harbour	6.96	1.70	28	12	9.94
Pear Tree Grove	2.58	.92	19	7	10.95
Point Hill	6.96	1.80	29	10	14.91
Quarantine Station	.94	.44	15	5	6.21
Rio Magno	2.67	1.35	19	9	10.40
Riversdale	4.38	1.25	20	10	10.52
Sligoville	6.24	1.24	20	16	13.40
Spanish Town	5.01	1.00	15	11	8.57
Troja P.W.D.	4.18	1.36	3	11	10.55
Troja L. S.	6.33	1.50	21	6	..
Tulloch Estate	5.23	1.12	19	9	..
Twickenham A. C.	6.92	2.35	16	9	..
Worthy Park	3.99	.88	7	8	9.98
Clarendon					
Amity Hall	2.13	1.81	30	5	..
Beauchamp	.88	.35	30	3	..

Stations	October, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Clarendon, *contd.*	ins.	ins.			ins.
Belle Plain	5.09	1.00	2	10	15.19
Bull Head	4.74	1.50	4	8	..
Carlisle	.86	.76	30	5	..
Chapelton	3.97	1.55	6	9	12.21
Colonel's Ridge	4.42	1.85	6	12	..
Cottage	3.83	1.16	30	9	10.55
Croft's Hill	7.82	3.16	18	13	11.71
Crooked River	4.44	3.35	1	3	11.29
Douce Pennants	3.85	.94	19	9	..
Exeter	1.73	1.20	30	5	7.08
Frankfield	7.10	1.10	6	14	11.83
Glen Muir	4.90	1.00	30	8	10.93
Hillside	4.10	1.50	30	8	10.05
James Hill	4.92	1.44	7	7	..
Kellits	5.42	2.04	18	12	..
May Pen	4.60	1.21	6	10	10.20
Milk River	5.47	2.40	15	6	8.64
Mocho L. S.	4.51	1.00	30	7	..
Mocho P.W.D.	N.A.	..	..	..	1.37
Morelands	3.14	1.50	30	6	9.49
Peckham L. S.	6.40	1.96	7	11	..
Pennants	2.87	.80	6	9	..
Rock River	6.98	1.69	6	10	8.84
Salt Savannah	1.82	1.40	30	4	..
Silent Hill	7.17	1.00	25	14	..
Spaldings	4.52	1.59	6*	12	13.27
Springfield	2.55	1.35	30	6	9.54
Suttons J. G. R.	6.73	2.00	6	9	13.87
Suttons, W. I. S. C.	2.14	1.56	30	9	..
Thompson Town	6.26	1.30	16	9	..
Trout Hall	N.A.	..	..	..	12.30
Manchester					
Alligator Pond	1.69	.60	30	7	7.73
Christiana	5.51	2.05	6	9	11.13
Chudleigh	7.10	2.00	7	9	10.65
Cocoawalk L. S.	2.58	2.23	31	2	..
Craig Head	5.39	2.50	18	6	..
Garlogie	10.04	2.98	7	11	..
Greenvale	5.41	1.00	20	15	10.98
Grove Place	5.37	1.63	16	13	..
Holmwood	5.84	1.65	6	9	..
Kendal	8.24	3.00	6	11	13.27
Mandeville	4.65	1.45	30	6	14.72
Manchester Hotel	4.21	1.34	6	9	..
Mile Gully	7.72	1.45	9	9	..
New Forest	4.92	1.36	19	99	..
Newport	8.33	1.20	16	16	12.14
Porus	5.67	1.76	30	7	..
Retrieve	5.96	1.16	21	8	9.63
Stone's Hope	4.17	.77	30	13	12.37
Williamsfield J. G. R.	9.14	2.40	6	13	13.16
St. Elizabeth					
Aberdeen	5.98	1.84	26	14	..
Accompong	N.A.	..	..	..	..
Appleton	6.07	2.07	25	10	13.59
Balaclava	7.50	2.45	17	12	12.46
Bartons	10.08	2.32	29	21	..
Black River	9.21	3.28	22	14	8.14

*And on other days. N.A.—Not available.

Stations	October, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Elizabeth, *contd.*	ins.	ins.			ins.
Braes River	5.14	.80	12	13	..
Bull Savannah	3.70	1.50	30	6	..
Fort Charles	3.12	1.04	24	7	5.70
Ginger Hill	13.11	2.09	31	17	..
Goshen	6.40	2.00	18	4	..
Holland Estate	7.94	1.65	28	14	..
Hounslow	8.34	1.20	21	14	..
Ipswich	7.29	1.81	31	13	..
Lacovia	8.46	1.50	25	18	10.98
Maggotty	9.36	1.55	31	16	13.88
Malvern	9.67	1.95	30	20	..
Mt. Charles	5.55	.82	19	13	..
Mulgrave	9.30	1.32	26	15	..
Munro	10.64	1.66	30	21	10.25
Myersville	6.42	2.76	10	9	..
Pedro Plains	N.A.	..	..	..	5.82
Quickstep	14.55	1.75	12	13	..
Santa Cruz	6.46	2.18	26	12	12.13
Southfield	3.75	.65	22	11	..
Springfield	7.28	2.18	25	16	..
Springvale	8.93	1.52	27	17	..
Torrington	11.16	1.50	2*	12	10.12
Treasure Beach	N.A.	..	..	..	..
Wallingford	8.10	2.23	17	15	14.23
Warminster	13.17	2.60	30	15	..
Williamsfield	5.96	1.57	22	17	..
Windsor	9.95	1.96	30	21	11.35
Yardley Chase	2.25	.73	30	8	..
Westmoreland					
Bath Pen	6.20	1.20	6	13	..
Baulk	14.56	3.28	6	14	..
Belle Isle	7.93	2.75	6	14	10.82
Bethel Town	8.39	3.50	19	11	15.42
Blue Castle	11.37	2.40	7	14	..

Stations	October, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland, *contd.*	ins.	ins.			ins.
Blue Fields	13.13	3.80	8	14	11.19
Cornwall	7.71	2.10	6	14	..
Darliston	8.11	1.12	15*	14	15.48
Fontabelle	6.97	2.50	6	15	9.99
Friendship	9.24	1.70	10	12	..
Frome	7.73	2.55	6	13	..
Grange Hill	7.32	2.11	6	11	12.97
Kew Park	7.75	2.85	19	9	12.27
Lamb's River	8.30	1.87	19	12	..
Little London	7.47	1.88	6	12	11.12
Masemure	6.68	1.73	6	13	..
Meylersfield	4.44	1.60	6	10	..
Midgham	8.41	2.00	6	14	..
Mint	11.64	1.83	20	18	..
Mt. Eagle	9.86	1.95	28	13	..
Mt. Edgecombe	9.66	1.92	19	14	10.07
Negril Pt. Light house	3.25	1.15	25	15	8.18
New Market	6.36	1.15	31	11	13.84
Paul Island	5.51	1.54	15	13	..
Petersfield	9.70	2.10	6	12	..
Petersville	8.82	2.04	20	15	11.41
Prospect	15.30	3.50	26	15	..
Rat Trap	6.80	2.20	8	6	..
Retreat Estate	8.89	2.31	7	12	9.91
Retrieve	6.65	1.70	6	12	..
Sav.-la-Mar	5.97	2.10	6	10	8.55
Sheffield	11.50	4.60	29	16	..
Shrewsbury	6.60	1.10	10	16	..
Spring Garden L. S.	7.47	1.88	6	12	..
The Bog	10.38	2.52	15	9	14.10
Water Works Farm	9.98	2.05	19	15	11.85
Welch Pole	7.10	1.10	19	15	..
Whithorn	7.20	1.40	19	10	12.99
Williamsfield	11.19	3.50	25	11	..

*And on other days. N.A. = Not available.

Note:—Daily readings from selected Stations are published in the Press in the first available issue.

Raingauge Station Notes

Copse, Reserve Pen and Buckingham—these Land Settlements no longer have an Officer-in-charge and readings are therefore not made.
Gauges are no longer maintained at Albany, Treasure Beach, Pera and Stokes Hall. In some cases stations are awaiting raingauge replacements but these are not yet available, supply being slow.
No figures have been received from Unity and Fort Stewart Land Settlements. The reason has not yet been ascertained.
Quebec—no reports have been received this year.
The Wey Hill gauge maintained by Public Works Departemnt has been stolen and cannot yet be replaced.
The Lennox readings for this month are not to hand.
Mocho School, supervised by the P.W.D., is not being utilised for the time being.
Wentworth—Only spasmodic reports are received from the keeper of this gauge.
Trout Hall—For a short period the readings have ceased owing to the absence of the owner.
Accompong and Pedro Plains—No reports available for some time.
Passley Garden—Bulk reports are received from this station and daily details cannot therefore be given.
No reports having been received from Mountainside, St. Elizabeth, it was ascertained that the gauge had been removed to Williamsfield.
Southfield, St. Elizabeth, sent in its first report.

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean fainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 10 months of 1946 is also compared with the averages.

Comparative Table of Rainfall Means—October, 1946

Parish	Rainfall for October			Rainfall, Jan.–Oct.	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	7.62	10.51	11.3	72.90	72.16
St. James	6.49	9.00	12.8	57.29	54.68
Trelawny	5.59	9.16	9.0	43.66	53.71
St. Ann	5.15	8.26	10.9	33.59	48.98
St. Mary	4.22	9.93	10.4	42.96	60.90
Portland	7.45	15.64	12.2	80.37	104.92
St. Thomas	4.78	15.85	9.9	51.73	69.12
Kingston & St. Andrew	5.50	12.29	10.8	36.79	55.52
*Kingston	1.61	6.76	6.2	14.54	27.08
St. Catherine	5.54	10.66	10.6	33.61	54.41
Clarendon	4.48	12.23	8.6	29.03	57.12
Manchester	5.64	13.05	9.3	37.72	64.58
St. Elizabeth	7.89	11.63	13.6	53.40	61.93
Westmoreland	8.47	13.67	12.7	75.87	81.65
The Island	6.05	11.33 "70-Year"† 10.89	11.0 "45-Year" 14.5	49.42	61.84 "70-Year" 62.50

Notes:— *The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

The October Rainfall

The promise of the September rains was not fulfilled and this month the drought became even more pronounced. The normal rainfall for October, the wettest month of the year, is about 11 inches so that the actual fall was far below this, the deficit being about 45% or nearly half. This was spread about the whole Island so that only Hanover and St. James maintained the cumulative total above average. The Eastern and Southern parts of the Island suffered most and it will be seen that Clarendon has only about half its normal total since January.

Westmoreland was the wettest Parish, followed by St. Elizabeth and Hanover, while St. Thomas, which is normally in the lead, was very dry. The month's greatest fall was experienced at Dee Side in Trelawny which had 29.94 inches. Falls over 14 inches were recorded at Cascade (Hanover), Boundbrook and Windsor A.C. (Portland) Quickstep (St. Elizabeth), Baulk and Prospect (Westmoreland), while 27 other stations had over 10 inches. The heaviest daily fall was at Boundbrook L.S. where 8.18 inches fell on the 7th. Eight other stations had 4 inches or over in one day.

No returns were received from any stations giving a "nil" rainfall.

Sunshine

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.05	.35	.20	.41
7–8 "	.80	.89	.80	.89
8–9 "	.88	.93	.84	.95
9–10 "	.90	.92	.83	.93
10–11 "	.89	.87	.82	.98
11–12 noon	.86	.85	.82	.95
12–1 p.m.	.75	.83	.75	.94
1–2 "	.61	.70	.68	.93
2–3 "	.36	.57	.56	.70
3–4 "	.22	.53	.47	.59
4–5 "	.24	.45	.35	.49
5–6 "	.07	.09	.10	.16
Total	6.65	7.97	7.22	8.92
Percentage	57%	68%	61%	76%
No. of days over 10 hrs.	2	5	4	12
Cloudiest day	7th(1.6 hrs.)	22nd(2.8 hrs.)	22nd(1.4 hrs.)	22nd(4.1 hrs.)

A feature this month is the persistence of over 90% of sunshine at the Airport until 2 p.m. while Hope Laboratory a few miles away on the mainland has increasing cloud after noon. Large cloud banks build up over the Island in the afternoon, by which time there are so many strong ascending currents over the land that the compensating descent of air tends to take place at the coastline and a short distance out to sea. Thus Palisadoes itself may be under air which is descending and in which therefore any clouds will tend to dissolve. It has been noted in fact that there may be more "Trade Wind cumulus" clouds a few miles out over the open sea than there are over the Airport, while huge Cumulonimbus (the shower and thunderstorm clouds) are towering up over the mainland. In late afternoon the tops of these storm clouds spread out in "anvil" or "mushroom" form over St. Catherine and obscure the westering sun.

Evaporation

Upper Kingston ..	.. 7.64 inches	(20 year normal 4.26 inches)
Negril Point Lighthouse	.. 5.21 "	

Earthquakes

Date	Time	Intensity	Where felt etc.
6th	1 p.m.	Slight	Alligator Pond (Manchester)
6th	..	..	New Forest (Manchester)
6th	12.58 p.m.	..	Munro (St. Elizabeth)

Tropical Disturbances

On the 5th a poorly defined circulation passed northwards from Guatemala into the western Caribbean. It developed and swept NNE-wards crossing the western tip of Cuba on the night of the 6th with hurricane force. Thence it passed to western Florida and degenerated, winds and tides however causing much citrus and property damage. No effect was felt in Jamaica, though strong Southerly winds were experienced in Grand Cayman.

City of Kingston

Rainfall was very low even for this dry area, being well below the average for October. The mean relative humidity was only 79% as compared with the long-term mean of 84%. The average temperature was 81.7°F against a normal of 79.4°F. Rain was observed around on 16 days, with 9 days of thunder. A lunar halo was noted on the 8th and a solar corona on the 24th.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF NOVEMBER, 1946

MONTHLY CLIMATOLOGICAL MEANS.

Notes—The barometric pressures at all the stations are reduced to the standards of Kew, i.e., 32° F, gravity at Lat. 45° and mean sea level.
The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.
The miles of wind per diem are measured by Robinson's Cup Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.
The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus; the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.
The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.
Sunshine is recorded by Campbell-Stokes Sphere Recorders.
The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Barometer Pressure		Temperatures (°F)					Extreme Temperatures (°F)					Daily Sunshine (hours)
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°	°	°	°	°	°		°		°	
Morant Point Light House	8	29.888	29.843	79.2	82.7	85.3	76.0	9.3	88.9	16	65.0	14	23.9	..
Kingston	..	..	..	73.7	84.1	87.4	72.1	15.3	90.6	3	69.2	15*	21.4	..
Grove Place ..	..	..	..	66.7	77.2	82.3	62.9	..	87.0	9	57.3	15	29.7	6.9
Negril Point Light House	33	29.894	29.842	74.3	84.4	87.1	71.2	15.9	90.6	9	66.4	17	24.2	..
Castleton Gardens ..	496	..	..	68.4	80.4	83.8	65.9	17.9	89.5	3	62.8	15	26.7	..
Hope Laboratory ..	668	..	..	70.5	82.6	87.6	67.1	20.5	91.2	3	63.1	14	28.1	6.9
Orange River Exp. Station	450	..	..	70.8	79.2	83.3	66.6	16.7	88.4	3	61.4	15	27.0	..
Lorrimers (Christiana) ..	..	..	..	65.6	..	76.9	62.6	14.3	72	2*	60	6*	12	..
Hill Gardens ..	4,900	..	..	59.6	65.2	70.2	57.3	12.9	75.2	9	51.7	13	23.5	..

Stations	Dewpoint and Rel. Humidity				Rainfall (Total)	Wind per diem	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	ins.	miles	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	74	84	75	77	7.53	270	NE	12	NE	11	5.6	0.7	0.9	4.6	1.0	1.2
Kingston	68	83	72	67	4.05	..	..	..	..	..	..	..	..	..	..	..
Grove Place ..	65	95	68	74	5.72	..	..	..	..	..	..	..	..	..	..	..
Negril Pt. Light House ..	64	82	71	68	4.74	127	NE	3	SE	7	1.1	1.0	3.9	5.6	0.0	0.6
Castleton Gardens ..	66	94	74	83	6.99	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	67	89	72	71	3.78	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp., Station	69	95	70	75	7.60	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana) ..	64	95	..	..	7.61	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	55	86	61	87	7.31	..	..	..	..	..	..	..	..	..	..	..

*And on other days. †Expressed in tenths of sky covered.
NOTES—Rainfall and Temperatures from certain stations are published in the daily Press in the first available issue.
The Upper Kingston Station ceased this month. A new station is Grove Place, maintained by the Department of Agriculture.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their raingauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Stations	November, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish ..	3.51	.80	23	11	6.79
Blenheim ..	2.26	.66	22	10	..
Blue Hole ..	1.59	1.27	1	2	8.86
Cascade ..	5.44	1.65	8	11	..
Copse ..	1.61	.52	5	6	5.17
Cousins Cove ..	1.12	.21	1	18	7.10
Green Island ..	1.07	.40	24	4	5.35
Green River ..	2.10	.95	28	5	..
Haughton Court A.C. ..	.27	.27	1	1	4.72
Haughton Grove ..	5.40	1.48	8	11	5.34
Haughton Hall ..	1.44	.54	24	7	4.56
Hopewell ..	1.58	.82	1	9	..
Kendal ..	3.14	1.20	27	5	..
Kings Vale ..	2.84	.55	7	9	4.86
Knockalva ..	3.56	1.12	28	10	..
Lucea ..	1.54	1.30	1	4	6.14
Retirement (F.D.) ..	2.99	.47	8	12	..
Santoy L.S. ..	3.10	.90	8	11	..
Shettlewood ..	2.90	.96	30	7	..
St. James					
Adelphi ..	1.05	.75	2	3	..
Anchovy ..	1.79	.67	14	8	3.76
Cambridge ..	2.29	.77	1	7	5.86
Catadupa ..	4.53	1.14	1	11	7.77
Cinnamon Hill ..	1.23	.81	1	3	6.12
Cornwall ..	1.44	.82	1	4	..
Friendship ..	1.64	.85	1	5	8.64
Irwin A.C. ..	2.73	1.80	1	3	5.32
Kempshot ..	2.41	.80	2	6	7.30
Lapland ..	5.48	1.25	1	9	..
Latium L.S. ..	1.80	1.27	1	4	7.72
Maldon School ..	1.87	.80	1	5	..
Mocho ..	5.52	1.25	1	10	10.55
Montego Bay ..	1.72	.50	2	5	5.94
Montpelier ..	2.37	1.02	30	7	5.08
Retirement ..	1.15	.88	12	3	8.27
Richmond Hill ..	1.25	.65	1	3	..
Rose Hall ..	1.64	1.10	1	5	6.20
Running Gut ..	1.86	.96	1	5	5.67
Spring Estate ..	2.19	1.30	1	4	5.74
Success ..	2.19	1.28	1	6	5.74
Sweetwater ..	7.91	1.58	1	12	..
Tryall ..	1.32	.80	1	4	5.30
Vaughansfield ..	2.81	1.17	15	5	..
Windsor Lodge ..	1.34	.78	1	7	..
Thelawny					
Albert Town ..	.37	.37	26	1	8.11
Arcadia ..	2.95	1.15	1	6	8.16
Clarks Town ..	2.56	1.06	1	7	10.61
Dee Side ..	8.33	3.50	16	8	..
Duncans ..	1.39	1.02	1	5	8.09
Falmouth ..	1.30	.87	1	4	5.35
Garredu ..	.00	..	..	0	..
Harmony Hall ..	1.71	.92	1	7	6.15
Hyde and Gibraltar ..	2.58	1.12	1	8	..
Lorrimers ..	7.61	2.30	1	12	..
Reserve Pen L.S. ..	N.A.	..	..	..	..
Stewart Town ..	3.35	2.11	1	12	..
Troy ..	7.43	2.00	1	9	7.41
Troy L.S. ..	6.81	2.05	1	15	..
Ulster Spring ..	2.45	1.85	1	7	7.67
Unity L.S. ..	2.01	1.09	1	5	..
Vale Royal ..	3.07	1.20	17	6	8.14
Wait-a-Bit ..	5.83	2.44	1	18	..
Wakefield ..	1.08	.88	2	1	8.40
Warsop ..	7.70	2.90	1	12	9.62
St. Ann					
Albion ..	5.93	3.23	1	6	10.96
Alexandria ..	3.05	2.10	1	4	6.41
Armadale L.S. ..	N.A.	..	..	..	..
Averham Park ..	9.43	3.92	1	15	13.64
Bel-Air ..	4.95	1.75	26	8	10.56
Beverly L.S. ..	4.91	1.42	26	9	..
Borobridge ..	4.83	2.16	1	7	..
Brown's Town ..	2.21	1.31	1	2	11.72
Cave Valley ..	3.43	1.62	1	7	5.29
Claremont ..	7.38	4.55	1	7	12.17
Eltham L.S. ..	4.65	2.10	1	7	..
Exchange ..	4.60	2.10	1	7	..
Greenock ..	3.43	1.62	1	7	..
Home Castle ..	5.72	1.80	3	5	9.13
Knapdale ..	5.56	1.97	26	9	15.69
Liberty Hill ..	4.05	1.99	1	10	9.92
Moneague ..	6.01	4.53	1	5	11.68
New Ground A.C. ..	5.92	2.36	1	7	..
Ocho Rios ..	9.09	3.18	1	10	9.91
Richmond Estate ..	5.15	2.28	1	9	9.23
Richmond Pen ..	1.73	1.46	2	2	5.96
Rio Hoe ..	7.40	5.40	1	7	11.04
Rockfield ..	7.62	2.66	1	21	14.86
Runaway Bay ..	4.43	1.20	1	8	5.18
Rural Retreat L.S. ..	6.54	3.65	1	7	..
St. Ann's Bay ..	4.73	2.04	2	11	9.80
Stepney ..	1.27	1.00	17	3	..
Thatchfield L.S. ..	7.45	3.11	26	8	..

N.A. = Not Available.

Stations	November, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Ann, *contd.*	Ins.	Ins.			Ins.
Unity Valley	6.42	1.81	1	10	10.85
Watt Town	2.99	1.64	1	4	5.57
Wilton	2.51	.71	17	4	..
St. Mary					
Agualta Vale	8.31	2.75	1	9	12.85
Albany	N.A.	..	..	..	11.77
Bundo L.S.	12.46	4.30	1	17	..
Castleton Gardens	6.99	4.63	2	7	18.60
Dover A.C.	11.47	3.00	24	9	17.09
Enfield	8.95	1.95	15	11	27.01
Fort Stewart	7.80	2.00	1	11	..
Fort Stewart L.S.	N.A.	..	..	..	..
Gibraltar	8.19	2.00	1	12	..
Golden Grove East	7.39	1.85	1	14	..
Golden Grove, West	6.65	1.80	1	14	..
Grays Inn Central Fact.	7.82	2.41	1	13	..
Guys Hill	7.79	4.86	1	11	13.39
Hampstead	10.85	5.20	1	8	16.22
Iter Boreale	7.34	1.93	1	13	..
Jacks River	11.01	4.60	1	15	..
Lady Hole	7.31	1.85	1	13	..
Lower Esher	4.79	2.30	1	8	..
Lucky Hill	8.51	4.96	1	11	15.14
Lucky Hill Pen	8.98	5.46	1	8	..
Newry	6.34	2.35	1	13	..
Nutfield A.C.	8.21	2.40	1	6	..
Oracabessa	7.90	2.14	1	14	13.99
Orange River	7.60	3.93	1	13	..
Platfield	6.16	4.76	1	10	..
Port Maria	12.15	3.30	17	16	11.39
Quebec	N.A.	..	..	..	10.99
Retreat	5.16	2.40	1	10	..
Richmond	7.10	3.84	1	10	12.45
Warwick Castle L.S.	11.12	4.80	1	11	..
Water Valley	7.47	2.60	1	8	11.35
Wentworth	N.A.	..	..	..	..
Western St. Mary L.S.	3.56	..	..	6	..
Windsor Castle	9.34	5.59	1	6	17.30
Portland					
Balcarres	11.57	2.17	16	12	42.43
Belle Vue	15.29	4.35	23	9	..
Belvedere	11.40	2.50	23	13	18.75
Boston	12.34	7.30	1	15	12.50
Boundbrook L.S.	11.85	2.70	1	20	..
Buff Bay	12.75	3.20	24	12	16.52
Bybrook	14.76	2.55	2	12	..
Caenwood	13.80	6.30	24	8	..
Cedar Hurst	5.62	2.60	1	18	29.36
Chepstowe	16.30	3.30	23	13	..
Darley	17.33	3.59	23	17	..
Ecclesdown L.S.	24.42	10.50	1	15	..
Fellowship	15.70	4.00	1	12	26.70
Fruitful Vale	21.15	3.08	23	19	..
Hope Bay	16.48	4.40	24	15	24.38
Lennox	12.88	7.75	1	16	22.34
Manchioneal	12.27	3.92	1	11	15.47
Millbank	21.41	7.80	1	16	47.98

Stations	November, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Moore Town	17.18	4.76	1	16	35.81
Mt. Holstein	7.92	2.25	1	10	31.81
Mt. Pleasant L.S.	17.90	5.03	24	11	..
Passley Garden	8.20	..	..	..	20.79
Plum Valley	13.31	2.60	1	11	..
Port Antonio	12.43	3.28	1	20	17.85
Priestmans River	12.34	7.30	1	15	14.83
Shrewsbury	12.16	2.16	15	14	29.72
Spring Garden	12.48	2.25	24	13	16.75
Titchfield Sch. P. A.	..	..	..	..	..
Windsor A.C.	17.48	4.50	24	15	..
St. Thomas					
Barrett Gap	14.93	5.10	1	9	..
Bath	11.24	4.73	1	9	15.26
Bowden Pen	26.01	10.50	1	17	..
Buckingham L.S.	N.A.	..	..	..	..
Cedar Valley	7.95	4.00	1	8	12.96
Clifton Hill Est.	9.66	3.40	1	9	..
Coley	8.69	6.00	1	6	9.69
Duckenfield	11.43	3.30	27	12	..
Easington	6.10	2.57	1	7	6.08
East Prospect	14.31	4.76	1	10	10.23
Golden Grove, J.S.E.	11.30	3.40	27	8	..
Llandewey	2.00	1.25	2	4	..
Lloyds	10.08	7.30	2	4	..
Morant Bay	11.16	6.00	1	8	7.75
Morant Pt. Lighthouse	7.53	2.10	24	10	8.41
Plantain Garden River	10.65	2.70	1	10	..
Pleasant Hill	11.20	3.10	1	11	10.69
Rowlandsfield L.S.	13.57	3.68	24	8	..
Seaforth	8.36	5.73	1	8	..
Spanish Wood	7.55	2.80	24	10	..
Wheelersfield	14.15	3.70	1	8	..
Yallahs	9.79	7.11	1	3	7.48
Kingston and St. Andrew					
Bamboo Avenue	3.50	2.03	1	14	..
Brandon Hill	6.35	3.13	1	9	..
Cavaliers	3.93	2.64	1	10	..
Clifton Pen	4.41	3.13	1	9	5.40
Constant Spring F.P.	6.27	3.14	1	13	..
Constant Spring Ch. Rd	6.35	3.15	1	12	..
Dallas Castle	4.32	2.44	1	11	10.60
Fort George	6.00	3.36	1	11	..
Golden Spring	5.17	2.68	1	11	..
Gordon Town	6.02	3.20	1	7	9.85
Guava Ridge	5.90	3.38	1	9	14.23
Halfway Tree	4.06	2.78	1	11	4.61
Harbour Head	3.97	2.36	1	5	..
Hardware Gap F.D.	4.45	1.20	30	16	..
Hardware Gap P.W.D	8.65	3.50	1	14	19.39
Hermitage	6.44	3.06	1	13	12.45
Hill Gardens	7.32	3.76	1	18	16.37

N.A. = Not Available.

Stations	November, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Hope Farm Agr. Stn.	4.54	3.15	1	6	6.27
Hope Laboratory	3.78	2.36	1	12	..
Hope Waterworks	3.56	1.75	1	9	..
Irish Town	6.68	3.00	1	8	10.50
Iver	5.91	2.54	1	16	..
King's House Gardens	6.08	3.35	1	10	5.17
Lawrence Tavern	4.01	2.00	1	5	10.04
Mavis Bank	6.80	3.20	1	13	14.23
Mt. Airy	7.83	2.17	3	9	..
Mt. Cressy	6.03	2.14	1	16	..
Red Hills	10.79	3.90	1	10	9.17
Rose Hill	4.88	3.40	1	17	14.93
Salisbury Plain A.C.	6.04	3.87	1	6	..
Sea View F.P.	5.17	3.10	1	14	..
Shortwood College	7.34	3.15	1	14	..
Stony Hill	6.22	3.98	1	11	8.61
Twickenham Park	3.58	2.61	1	9	..
Up Park Camp	3.03	2.30	1	4	..
Kingston					
Kingston P.W. O.	4.05	2.46	1	5	2.57
Palisadoes	3.90	1.22	1	8	..
Parade Gardens	3.94	2.47	1	5	..
Plumb Pt. Lighthouse	3.28	2.50	1	3	2.90
St. George's College	5.00	2.52	1	7	..
Upper Kingston	4.51	2.62	1	9	4.42
St. Catherine					
Above Rocks	6.46	4.27	1	9	..
Bellas Gate	5.15	5.15	1	1	4.88
Bog Walk	8.99	5.32	1	8	5.88
Browns Hall	3.84	2.40	1	7	10.45
Carew Castle	5.69	4.58	1	7	10.54
Ewarton	4.82	4.30	1	3	..
Ginger Ridge	4.70	2.90	28	4	..
Glengoffe	6.08	5.50	1	6	..
Grove Farm A.C.	3.39	2.85	1	6	..
Guanaboa Vale	6.38	3.00	2	9	6.33
Headworks	4.49	1.16	1	12	5.43
Hematine	4.20	3.10	1	8	4.87
Hog Hole	5.70	4.47	1	9	5.30
Knollis	3.84	1.77	1	6	8.11
Linstead	6.48	5.66	1	8	6.68
Old Harbour	3.94	3.00	1	6	5.17
Pear Tree Grove	6.60	4.50	1	4	13.04
Point Hill	9.55	5.90	2	10	9.99
Quarantine Station	3.94	3.46	1	4	3.71
Rio Magno	7.97	7.10	1	3	10.53
Riversdale	1.71	1.00	2	2	9.88
Sligoville	9.54	5.40	1	15	9.31
Spanish Town	5.54	4.02	1	5	4.29
Troja	4.18	1.36	3	11	12.81
Troja L.S.	6.33	5.00	1	4	..
Tulloch Estate	8.17	5.10	1	11	..
Twickenham A.C.	6.36	4.04	1	7	..
Worthy Park	9.02	5.92	1	9	5.44
Clarendon					
Amity Hall	8.85	7.33	1	7	..
Beauchamp	5.00	4.40	1	3	..
Belle Plain	12.63	8.07	1	11	8.93

Stations	November, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Bull Head	6.05	3.70	1	8	..
Carlisle	6.44	4.95	1	7	..
Chapelton	10.70	6.23	1	12	5.22
Colonels Ridge	8.88	4.61	1	13	..
Cottage	6.70	4.30	1	7	6.88
Crofts Hill	9.23	7.00	1	6	7.10
Crooked River	6.80	3.35	1	9	5.65
Douce Pennants	2.82	0.80	4	10	..
Exeter	5.70	5.10	1	5	4.38
Frankfield	5.62	1.97	1	11	6.00
Glen Muir	6.75	5.00	1	6	6.85
Hillside	8.51	6.00	1	8	3.71
James Hill	10.82	0.76	10	16	..
Kellitts	2.97	2.23	1	4	..
May Pen	5.76	4.16	1	6	5.02
Milk River	9.28	6.02	1	6	5.17
Mocho L.S.	7.64	3.11	1	7	..
Mocho P.W.D.	N.A.	..	..	..	6.02
Morelands	5.36	3.30	1	7	6.76
Peckham L.S.	3.69	1.48	1	12	..
Pennants	10.32	5.50	1	12	..
Rock River	9.47	6.50	1	7	7.37
Salt Savannah	3.77	2.40	1	7	..
Silent Hill	10.60	2.90	22	8	..
Spaldings	3.91	2.06	1	9	7.75
Springfield	4.75	3.80	1	4	3.27
Suttons J.G.R.	9.35	6.00	1	9	6.84
Suttons W.I.S.C.	8.77	7.35	1	6	..
Thompson Town	6.76	1.76	1	14	..
Trout Hall	3.05	2.00	5	2	8.17
Manchester					
Alligator Pond	7.28	4.00	1	7	3.83
Christiana	6.13	1.90	1	10	6.77
Chudleigh	N.A.	..	..	..	7.10
Cocoawalk L.S.	7.35	4.50	1	4	..
Craig Head	7.30	3.25	1	8	..
Garlogie	7.63	2.80	1	11	..
Greenvale	7.14	1.50	1	11	8.11
Grove Place	5.72	1.73	22	9	..
Holmwood	5.41	1.96	1	10	..
Kendal	3.97	1.50	1	9	6.64
Mandeville	5.96	1.57	1	11	7.41
Mandeville Man. Hotel	6.68	2.18	1	11	..
Mile Gully	6.74	1.50	2	8	..
New Forest	3.94	1.76	1	7	..
Newport	7.63	5.08	10	8	6.99
Porus	7.22	1.73	1	10	..
Retrieve	5.96	4.70	1	4	4.96
Stones Hope	6.24	3.93	1	9	6.00
Williamsfield	4.36	1.73	1	5	8.19
St. Elizabeth					
Aberdeen	9.54	2.04	1	15	..
Accompong	N.A.	..	..	..	..
Appleton	6.07	1.71	24	10	6.58
Balaclava	9.17	2.64	1	10	5.97
Bartons	8.33	1.95	18	13	..
Black River	9.37	2.95	1	10	4.37
Braes River	7.47	2.00	1	9	..
Bull Savannah	6.04	2.92	1	8	..

Stations	November, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth, *contd.*					
Fort Charles	7.32	6.10	1	2	3.97
Ginger Hill	10.37	2.52	1	10	..
Goshen	7.75	3.22	1	3	..
Holland Estate	9.08	2.90	1	10	..
Hounslow	7.28	5.55	1	6	..
Ipswich	6.94	1.80	1	12	..
Lacovia	8.11	4.41	21	12	5.21
Maggotty	11.42	2.55	1	14	6.91
Malvern	9.96	5.23	1	12	..
Mt. Charles	6.80	2.18	1	13	..
Mulgrave	7.71	1.65	1	14	..
Munro	7.74	4.64	1	11	5.67
Myersville	7.70	1.38	30	12	..
Pedro Plains	7.00	5.04	1	7	4.21
Quickstep	7.24	1.65	28	10	..
Santa Cruz	7.36	3.24	1	7	6.18
Springfield	8.46	3.38	1	12	..
Springvale	10.32	2.60	1	14	..
Torrington	7.13	5.00	1	4	6.67
Treasure Beach	N.A.	..	..	..	..
Wallingford	9.04	1.98	1	18	7.14
Warminster	9.80	4.25	1	6	..
Williamsfield	6.79	5.50	1	7	..
Windsor	9.88	5.35	1	2	7.76
Yardley Chase	5.35	1.90	1	7	..
Westmoreland					
Bath Pen L.S.	2.80	1.20	1	6	..
Baulk	6.96	1.16	22	15	..
Belle Isle	8.79	1.85	23	11	4.51
Bethel Town	3.15	1.00	1	7	7.56
Blue Castle	6.97	1.30	27	13	..
Bluefields	9.55	4.40	1	11	6.59

Stations	November, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland, *contd.*					
Cornwall	4.06	1.22	1	9	..
Darliston	13.57	2.08	23	12	7.55
Fontabelle	6.67	1.38	22*	14	3.49
Friendship	5.38	.85	28	12	..
Frome	9.05	2.44	23	14	..
Grange Hill	14.37	2.91	23	14	5.74
Kew Park	5.98	2.96	27	10	5.78
Lambs River	8.62	1.76	27	14	..
Little London	8.27	4.29	1	12	4.58
Masemure	6.93	2.30	1	13	..
Meylersfield	5.47	2.52	1	9	..
Midgham	8.58	2.59	1	11	..
Mint	6.09	1.52	29	15	..
Mt. Eagle	8.06	1.60	28	15	..
Mt. Edgecombe	8.69	4.58	1	15	5.11
Negril Pt. Lighthouse	4.74	1.35	1	12	3.90
New Market	13.12	3.27	9	12	6.91
Paul Island	6.56	2.04	1	13	..
Petersfield	6.19	1.50	1	10	..
Petersville	9.50	3.15	10	12	6.42
Prospect	6.39	1.31	22	12	..
Rat Trap	10.00	2.40	26	10	..
Retreat Estate	7.24	3.74	1	9	4.61
Retrieve	6.67	2.50	1	11	..
Savanna-la-Mar	2.55	2.00	1	2	3.89
Sheffield	8.07	1.94	1	14	..
Shrewsbury	5.69	1.08	4	12	..
Spring Garden L.S.	8.27	4.29	1	12	..
The Bog	10.64	3.81	10	11	6.47
Waterworks Farm	5.87	1.60	1	9	5.06
Welch Pole	8.30	2.50	27	12	..
Whithorn	6.40	1.50	4	6	5.66
Williamsfield	6.14	1.00	24	14	..

*And on other days. N.A. = Not Available

Raingauge Station Notes

A welcome return is that of Copse Land Settlement in Hanover, whose readings have not been available for a long time due to the absence of a responsible officer-in-charge. Reserve Pen and Buckingham are however still not available.

Gauges are no longer maintained at Albany, Treasure Beach, Pera and Stokes Hall.

No figures have been received from Fort Stewart Land Settlement, Armadale, Quebec, Chudleigh and Accompong. Pedro Plains however becomes available once more after a long absence.

The Wey Hill, St. Mary, gauge maintained by the Public Works Department has been stolen and cannot yet be replaced.

Mocho School in Clarendon, also supervised by Public Works Department is not being utilised at present.

Readings are made at Wentworth, St. Mary, but cannot be obtained except spasmodically.

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each Parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "Key" station is to find the average of all the Rain gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for Parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell.

The total rainfall for the first eleven months of 1946 is also compared with the averages.

Comparative Table of Rainfall Means—November, 1946

Parish	Rainfall for November			Rainfall Jan. to Nov.	
	Actual	Average	Raindays	Actual	Average
Hanover	2.58	6.41	8.0	75.48	78.57
St. James	2.39	7.34	6.0	59.68	62.02
Trelawny	3.43	7.68	7.2	47.09	61.29
St. Ann	5.23	9.48	7.6	38.82	58.46
St. Mary	8.44	13.93	10.5	51.40	74.83
Portland	14.64	24.77	14.2	95.01	129.69
St. Thomas	10.80	9.48	9.1	62.53	78.60
Kingston and St. Andrew	5.73	9.98	10.3	42.52	65.50
Kingston	4.11	3.80	6.2	18.65	30.88
St. Catherine	5.86	6.98	7.2	39.47	61.39
Clarendon	7.38	5.50	8.8	36.41	62.62
Manchester	6.69	6.30	9.0	44.41	70.88
St. Elizabeth	8.17	5.85	9.5	61.57	67.78
Westmoreland	7.48	5.39	11.2	83.35	86.04
The Island	6.91	8.78 "70 Yr." Av. 9.31	9.0 "45 Yr." Av. 11.9	56.33	70.62 "70 Yr." Av. 71.81

Notes:—The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

The figures given for the average rainfal over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

The November Rainfall

The rainfall this month is normally quite heavy at the beginning, gradually decreasing towards the end of the month, the month's total being the second highest in the year on the average. The deficit this year was over 20%, as was the cumulative total for the year. The northern half of the Island was very dry for the time of year, the southern parishes totalling around normal.

Portland was the wettest parish, with St. Thomas next. The month's greatest fall was experienced at Bowden Pen in St. Thomas with 26.01 inches, while three stations in Portland had over 20 inches. The highest day's fall was recorded by Ecclesdown (Portland) and Bowden Pen, both of whom had 10.50 inches on the 1st.

The driest parish was St. James, with only a third of its normal amount. Garredu in Trelawny was the only station sending in a return of no rain at all.

Sunshine

The following table shows the duration of sunshine at the four stations where Campbell Stokes continuous recorders are in operation. The fractions for each hourly period are the average over the month.

Period	Grove Place	Hope Laboratory	Orange River	Palisadoes
5–6 a.m.	..	..	..	..
6–7 "	.05	.18	.08	.23
7–8 "	.69	.77	.61	.83
8–9 "	.84	.74	.75	.81
9–10 "	.87	.78	.76	.80
10–11 "	.82	.79	.82	.81
11–12 noon	.81	.74	.84	.85
12–1 p.m.	.74	.74	.80	.82
1–2 "	.67	.68	.80	.78
2–3 "	.56	.59	.72	.77
3–4 "	.48	.51	.67	.71
4–5 "	.37	.35	.55	.70
5–6 "	.06	..	.10	.19
Total	6.94	6.89	7.49	8.30
Percentage	61%	61%	67%	74%
No. of days over 10 hours	1	..	3	11
Cloudliest day	26th(0.1 hrs.)	25th(0.5 hrs.)	25th(0.3 hrs.)	25th(0.3 hrs.)

At this time of year the recorder at Hope Laboratory is affected by a line of trees bordering the Hope Road which runs East—West close by. These trees mask the setting sun for the period in the evening after about 4.15 p.m. and the total is thus a little below true. There is unfortunately no better site at this station from the exposure and accessibility point of view. In other respects the table is normal.

Earthquakes

No reports have been received for November.

Tropical Disturbances

The hurricane season usually ends this month, and no tropical storms were noted in the Caribbean or neighbour areas.

Evaporation

Hope Laboratory	2.40 inches
Negril Point Lighthouse	4.82 inches

City of Kingston

Kingston temperatures this month were very much as normal, the tendency being a fraction of a degree higher. The rainfall was above average like much of the south part of the Island, though it is to be noted that St. Andrew particularly the northern half, was deficient in rain. A lunar halo was seen on the 8th and a solar corona on the 24th. No other phenomenon of note was reported.

The Upper Kingston Meteorological Station maintained so long at 148½, East Street, by Mr. J. F. Brennan, who was head of the Jamaica Weather Service prior to the war, has now ceased to send in readings. Thanks are due to Mr. Brennan for his continued interest and for his figures which have also been used to check those at Winchester Park which is now the official Kingston temperature station.

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A.M. Meteorological Officer,
Government Meteorologist

Meteorological Office,
Palisadoes,
Kingston

Weather Bureau L

No. 845

JAMAICA

WEATHER REPORT

FOR THE MONTH OF DECEMBER, 1946

APR 7 1948 WEATHER BUREAU

MONTHLY CLIMATOLOGICAL MEANS.

Notes —The barometric pressures at all the stations are reduced to the standards of Kew, i.e., 32° F. gravity at Lat. 45° and mean sea level.
The Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.
The miles of wind per diem are measured by Robinson's Cup Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.
The amount of cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part Stratocumulus and Cumulus, the Middle (M) clouds Altocumulus and the Upper (U) clouds Cirrus and Cirrostratus.
The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.
Sunshine is recorded by Campbell-Stokes Sphere Recorders.
The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

Stations	Elevation	Barometer Pressure		Temperatures (°F)					Extreme Temperatures (°F)					Daily Sunshine (hours)
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°	°	°	°	°	°		°		°	
Morant Point Light House	8	29.914	29.873	78.8	81.9	83.8	76.5	7.3	87.5	7	71.0	16	16.5	..
Kingston	..	..	..	73.2	82.9	86.1	72.3	13.8	88.5	4	66.7	7	21.8	..
Grove Place ..	..	..	..	67.0	77.1	80.2	64.1	16.1	85.0	4	55.8	25	29.2	6.5
Negril Point Light House	33	29.976	29.933	73.6	83.6	85.6	70.7	14.9	89.0	27	66.5	27	22.5	..
Castleton Gardens ..	496	..	..	69.2	78.8	81.8	66.0	15.8	88.8	17	60.2	25	28.6	..
Hope Laboratory ..	668	..	..	68.8	83.4	86.3	66.1	20.2	90.2	27	61.2	7	29.0	6.6
Orange River Exp. Station	450	..	..	70.3	78.3	81.7	67.0	14.7	86.2	16	61.4	20*	24.8	6.7
Lorrimers (Christiana) ..	..	..	..	63.9	..	75	62.0	13	80	1	58	17*	22	..
Hill Gardens ..	4,900	..	..	58.2	64.4	68.2	56.1	12.1	73.0	27	53.5	9	19.5	..

Stations	Dewpoint and Rel. Humidity				Rainfall (Total)	Wind per diem	Wind: direction from and speed (m.p.h.)				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.		
	°F	%	°F	%	in.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	75	86	75	80	2.48	297	NE	14	NE	12	6.0	1.3	0.3	4.7	1.1	0.6
Kingston	68	85	71	68	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place ..	64	90	68	74	3.25	..	..	..	..	..	..	..	..	..	..	..
Negril Pt. Light House ..	68	81	72	66	0.97	157	NE	5	N	7	2.0	1.1	0.6	4.6	0.8	0.5
Castleton Gardens ..	67	93	73	82	7.10	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	66	91	69	64	1.26	..	..	..	..	..	..	..	..	..	..	..
Orange River Exp., Station	68	93	71	77	5.52	..	..	..	..	..	..	..	..	..	..	..
Lorrimers (Christiana) ..	63	97	..	..	7.00	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	56	93	62	93	6.48	..	..	..	..	..	..	..	..	..	..	..

*And on other days. †Expressed in tenths of sky covered.
NOTES—Rainfall and Temperatures from certain stations are published in the daily Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their raingauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Stations	December, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	.67	.47	12	2	..
Blenheim	.58	.58	12	1	..
Blue Hole	.78	.47	12	3	..
Cascade	.63	.61	12	2	..
Copse	.88	.52	12	3	..
Cousins Cove	.57	.50	12	5	..
Green Island	.59	.54	12	2	..
Green River	1.15	.75	12	3	..
Haughton Court A.C.	.42	.42	12	1	..
Haughton Grove	1.24	.72	12	4	..
Haughton Hall	.96	.68	12	7	..
Hopewell	.74	.43	12	5	..
Kendal	.50	.30	28	2	..
Kings Vale	.09	.08	12	2	..
Knockalva	.84	.80	8	2	..
Lucea	.35	.11	20	5	..
Retirement (F.D.)	.77	.69	13	3	..
Santoy L.S.	1.34	1.07	12	3	..
Shettlewood	1.24	.70	12	3	..
St. James					
Adelphi	2.49	1.23	7	5	..
Anchovy	1.17	.43	4	6	..
Cambridge	.84	.70	12	3	..
Catadupa	1.58	.96	12	5	..
Cinnamon Hill	2.82	1.30	15	5	..
Cornwall Works	3.01	1.17	15	6	..
Friendship	1.62	.50	7	9	..
Irwin A.C.	1.57	.46	7	6	..
Kempshot	1.15	.54	25	6	..
Lapland	1.57	1.06	12	4	..
Latium L.S.	3.98	1.74	13	4	..
Maldon School	1.62	.75	12	6	..
Mocho	1.22	.92	13	2	..
Montego Bay	1.81	.56	8	6	..
Montpelier	.95	.44	12	4	..
Retirement	1.60	.52	12	6	..
Richmond Hill	1.90	1.30	11	2	..
Rose Hall	3.80	1.92	15	6	..
Running Gut	3.27	1.30	15	6	..
Spring Estate	2.56	1.06	15	5	..
Success	3.86	1.97	15	5	..
St. James, *contd.*					
Sweetwater	1.64	.98	12	7	..
Tryall	2.59	1.20	15	6	..
Vaughansfield	3.95	1.41	6	6	..
Windsor Lodge	3.21	1.05	7	7	..
Trelawny					
Albert Town	2.30	1.40	4	2	..
Arcadia	3.95	1.25	7	9	..
Clarks Town	4.01	1.75	5	8	..
Dee Side	2.01	.98	7	4	..
Duncans	4.59	1.41	7	9	..
Falmouth	2.07	.76	8	7	..
Garredu	1.50	.50	26	4	..
Harmony Hall	5.69	1.82	5	11	..
Hyde and Gibraltar	2.36	.52	5	10	..
Lichfield	N.A.				
Lorrimers	7.00	2.73	1	9	..
Reserve Pen L.S.	N.A.				
Stewart Town	4.08	1.27	5	12	..
Troy	3.17	1.00	1	6	..
Troy L.S.	3.72	1.45	1	8	..
Ulster Spring	2.86	1.26	4	6	..
Unity L.S.	N.A.				
Vale Royal	3.70	.96	7	10	..
Wait-a-Bit	7.75	2.16	4	17	..
Wakefield	2.01	.98	4	7	..
Warsop	3.08	.86	4	7	..
St. Ann					
Albion	3.59	1.16	5	9	..
Alexandria	3.07	.90	5	9	..
Armadale	N.A.				
Averham Park	11.45	3.20	7	18	..
Bel-Air	6.45	1.10	5	11	..
Beverly L.S.	7.17	1.40	25	9	..
Borobridge	4.47	1.40	2	6	..
Brown's Town	7.71	2.26	4	16	..
Cave Valley	4.22	1.70	2	8	..
Claremont	5.57	1.15	22	12	..
Eltham	7.87	1.73	12	10	..
Exchange	2.59	.80	5	5	..
Greenock	4.22	1.70	2	8	..
Home Castle	6.53	3.00	5	7	..
Knapdale	9.59	2.70	5	16	..
Liberty Hill	5.98	2.19	5	15	..
Moneague	2.96	.72	12	12	..
New Ground A.C.	7.98	3.25	5	7	..
Ocho Rios	8.34	2.15	11	10	..
Richmond Estate	8.72	2.00	5	14	..
Richmond Pen	5.98	2.48	5	9	..
Rio Hoe	2.97	.84	23	10	..
Rockfield	12.39	4.23	7	19	..
Runaway Bay	4.93	1.05	5	9	..
Rural Retreat	4.47	1.10	5	7	..
St. Ann's Bay	6.91	2.20	5	12	..
Stepney	1.07	1.05	30	3	..
Thatchfield L.S.	16.60	2.80	7	13	..

N.A. = Not Available.

Stations	December, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Ann, *contd.*	Ins.	Ins.			Ins.
Unity Valley	3.22	.61	14	18	..
Watt Town	3.68	1.50	5	5	..
Wilton	3.27	1.60	5	10	..
St. Mary					
Agualta Vale	12.61	4.50	12	10	..
Albany	N.A.				
Bundo L.S.	8.47	2.13	12	14	..
Castleton Gardens	7.10	2.49	4	13	..
Dover A.C.	14.92	4.20	11	11	..
Enfield	18.37	3.46	4	13	..
Fort Stewart	10.96	2.58	12	10	..
Fort Stewart L.S.	N.A.				
Gibraltar	11.27	3.20	11	12	..
Golden Grove East	12.32	2.83	11	11	..
Golden Grove, West	11.37	2.75	12	9	..
Grays Inn Central Fact.	13.77	3.00	11	20	..
Guys Hill	6.76	1.50	4	15	..
Hampstead	11.10	2.50	11	12	..
Iter Boreale	13.22	3.05	12	11	..
Jacks River	10.97	3.75	12	12	..
Lady Hole	12.81	3.25	11	12	..
Lower Esher	7.64	1.75	11	13	..
Lucky Hill	5.38	1.22	11	12	..
Lucky Hill Pen	5.18	.87	13	10	..
Newry	9.33	2.70	12	11	..
Nutfield A.C.	11.83	5.60	11	11	..
Oracabessa	9.77	2.88	11	13	..
Orange River	5.52	1.27	12	17	..
Platfield	4.36	.74	4	15	..
Port Maria	9.81	3.23	11	11	..
Quebec	N.A.				
Retreat	8.85	2.00	12	10	..
Richmond	4.78	1.33	11	12	..
Warwick Castle L.S.	7.77	2.03	12	15	..
Water Valley	12.98	4.40	11	8	..
Wentworth	N.A.				
Western St. Mary L.S.	7.25	1.55	5	16	..
Wey Hill P.W.D.	N.A.				
Windsor Castle	5.29	1.35	6	6	..
Portland					
Balcarres	23.91	7.42	7	17	..
Belle Vue	23.05	3.96	11	14	..
Belvedere	19.86	4.36	4	23	..
Boston	6.87	2.50	5	17	..
Boundbrook L.S.	9.22	3.05	12	21	..
Buff Bay	17.79	4.25	12	8	..
Bybrook	18.44	4.43	12	18	..
Caenwood	17.80	5.80	11	11	..
Cedar Hurst	8.38	1.50	9	23	..
Chepstowe	21.30	3.25	7	18	..
Darley	17.86	5.21	4	22	..
Ecclesdown	11.07	2.14	5	24	..
Fellowship	15.51	4.04	12	13	..
Fruitful Vale	21.00	3.50	7	16	..
Hope Bay	15.63	5.92	12	12	..
Lennox	19.40	8.10	12	19	..
Manchioneal	6.47	3.00	5	9	..
Millbank	26.37	8.63	3	17	..

Stations	December, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Moore Town	23.54	6.04	7	20	..
Mt. Holstein	13.71	3.35	9	10	..
Mt. Pleasant	23.13	7.00	4	12	..
Passley Garden	12.25	..	..	..	..
Plum Valley	21.60	6.42	4	15	..
Port Antonio	9.22	3.05	12	21	..
Priestmans River	6.46	2.75	5	16	..
Shrewsbury	18.93	2.76	11	17	..
Spring Garden	N.A.				
Titchfield Sch. P. A.	N.A.				
Windsor A.C.	21.01	4.36	7	20	..
St. Thomas					
Barrett's Gap	12.38	3.10	7	11	..
Bath	6.98	2.04	7	9	..
Bowden Pen	31.00	12.18	7	16	..
Buckingham L.S.	N.A.				
Cedar Valley	6.80	2.20	12	9	..
Clifton Hill	2.66	1.05	12	11	..
Coley	3.48	1.38	12	6	..
Duckenfield	2.35	1.26	11	10	..
Easington	3.46	2.40	12	8	..
East Prospect	3.17	1.21	12	10	..
Golden Grove, J.S.E.	3.05	1.30	13	6	..
Llandewey	5.73	1.50	11	4	..
Lloyds	N.A.				
Morant Bay	2.07	1.22	12	5	..
Morant Pt. Lighthouse	2.48	.58	5	15	..
Plantain Garden River	3.50	1.05	12	13	..
Pleasant Hill	2.73	1.20	12	7	..
Rowlandsfield L.S.	6.38	1.33	1	16	..
Seaforth	3.39	1.75	12	9	..
Spanish Wood	3.16	1.05	12	15	..
Wheelersfield	4.01	1.06	11	13	..
Yallahs	2.09	1.19	12	4	..
Kingston and St. Andrew					
Bamboo Avenue	1.10	.43	2	4	..
Brandon Hill	6.13	1.16	15	10	..
Cavaliers	.66	.56	2	4	..
Clifton Pen	.69	.46	12	4	..
Constant Spring	1.71	.57	4	7	..
Constant Spring Ch. Rd	1.13	.59	2	4	..
Dallas Castle	2.38	.90	5	9	..
Fort George	1.75	.46	2	5	..
Golden Spring	1.64	.94	1	4	..
Gordon Town	2.42	1.10	12	4	..
Guava Ridge	2.24	1.15	12	5	..
Halfway Tree	1.01	.53	2	4	..
Harbour Head	.14	.10	11	2	..
Hardware Gap F.D.	5.60	1.20	12	13	..
Hardware Gap P.W.D.	7.45	1.30	9	14	..
Hermitage	3.82	1.38	4	8	..
Hill Gardens	6.48	1.40	12	22	..

N.A. = Not Available.

Stations	December, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Hope Farm Agr. Stn.	1.37	.43	13	4	..
Hope Laboratory	1.26	.48	2	5	..
Hope Waterworks	1.28	.49	12	6	..
Irish Town	2.98	1.59	13	5	..
Iver	1.09	.51	12	7	..
King's House Gardens	1.46	.93	2	5	..
Lawrence Tavern	1.70	.75	4	4	..
Mavis Bank	4.90	1.00	1	14	..
Mt. Airy	4.66	1.43	8	6	..
Mt. Cressy	10.94	2.15	9	22	..
Red Hills	1.19	.53	12	4	..
Rose Hill	.70	.13	1*	11	..
Salisbury Plain A.C.	3.14	1.89	4	5	..
Sea View F.P.	3.10	1.15	4	7	..
Shortwood College	1.35	.73	2	4	..
Stony Hill	2.38	.72	1	5	..
Twickenham Park	.69	.38	12	3	..
Up Park Camp	2.25	1.95	11	2	..
Kingston					
Kingston P.W.O.	.66	.36	12	4	..
Palisadoes	.94	.47	4	7	..
Parade Gardens	.51	.43	13	2	..
Plumb Pt. Lighthouse	.79	.79	12	1	..
St. George's College	N.A.				
Upper Kingston	.64	.38	12	4	..
St. Catherine					
Above Rocks	4.30	1.73	4	6	..
Bellas Gate	4.26	1.04	4	8	..
Bog Walk	2.55	1.15	2	5	..
Browns Hall	2.00	1.60	14	2	..
Carew Castle	1.32	.48	12	6	..
Ewarton	2.30	.57	27	8	..
Ginger Ridge	4.00	1.07	15	7	..
Glengoffe	1.87	.42	12	9	..
Grove Farm A.C.	1.36	.66	12	4	..
Guanaboa Vale	1.88	.70	4	3	..
Headworks	.88	.34	12	3	..
Hematine	1.15	.78	4	3	..
Hog Hole	.92	.40	12	3	..
Knollis	1.85	1.20	2	3	..
Linstead	2.29	.95	1	8	..
Old Harbour	1.99	1.31	12	5	..
Pear Tree Grove	3.00	1.00	31	7	..
Point Hill	2.23	.61	12	7	..
Quarantine Station	1.53	.80	4	3	..
Rio Magno	4.60	1.00	31	8	..
Riversdale	1.44	.50	11	6	..
Sligoville	1.39	.58	2	9	..
Spanish Town	1.73	1.31	4	2	..
Troja	5.33	1.05	25	11	..
Troja L.S.	4.04	1.44	4	6	..
Tulloch Estate	2.32	1.86	2	6	..
Twickenham A.C.	.35	.25	12	2	..
Worthy Park	2.37	1.33	2	4	..
Clarendon					
Amity Hall	2.09	.80	12	4	..
Beauchamp	2.65	.80	15	5	..
Belle Plain	2.95	1.73	12	8	..

Stations	December, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Bull Head	4.85	1.40	5	9	..
Carlisle	1.41	.60	12	5	..
Chapelton	1.67	.62	12	10	..
Colonels Ridge	5.28	2.30	4	8	..
Cottage	2.04	.96	12	5	..
Crofts Hill	5.91	2.70	4	7	..
Crooked River	3.14	1.60	4	7	..
Douce Pennants	2.73	2.05	4	5	..
Exeter	2.11	.80	12	5	..
Frankfield	2.00	.75	12	6	..
Glen Muir	2.50	1.50	13	3	..
Hillside	2.40	1.30	12	5	..
James Hill	1.58	.80	12	4	..
Kellitts	1.58	.45	12	9	..
May Pen	2.55	1.29	12	6	..
Milk River	3.97	2.08	5	5	..
Mocho L.S.	3.03	1.00	12*	5	..
Mocho P.W.D.	N.A.				
Morelands	2.31	1.10	12	5	..
Peckham L.S.	3.52	2.35	2	7	..
Pennants	2.08	.60	12	9	..
Rock River	1.77	.67	12	6	..
Salt Savannah	1.51	.48	12	6	..
Silent Hill	3.43	1.22	6	5	..
Spaldings	4.68	1.90	4	8	..
Springfield	2.55	1.00	15	5	..
Suttons J.G.R.	2.85	.97	2	8	..
Suttons W.I.S.C.	2.20	.96	5	6	..
Thompson Town	3.95	1.25	12	8	..
Trout Hall	3.06	2.56	4	2	..
Manchester					
Alligator Pond	2.86	1.35	2	6	..
Christiana	3.89	1.80	12	5	..
Chudleigh	2.90	1.00	9	6	..
Cocoawalk L.S.	1.40	.40	13	2	..
Craig Head	3.79	1.63	12	4	..
Garlogie	7.67	..	..	7	..
Greenvale	3.07	.90	12	7	..
Grove Place	3.25	1.00	12	7	..
Holmwood	3.09	1.22	12	8	..
Kendal	5.10	1.62	12	6	..
Mandeville	7.58	3.75	12	7	..
Mandeville (Man. Hotel)	8.27	..	..	8	..
Mile Gully	4.04	1.60	13	4	..
New Forest	1.97	.80	14	5	..
Newport	4.68	1.78	2	7	..
Porus	2.78	.95	13	6	..
Retrieve	5.34	2.70	12	5	..
Stones Hope	5.07	2.64	2	7	..
Williamsfield	4.76	1.76	12	6	..
St. Elizabeth					
Aberdeen	1.55	.60	12	4	..
Accompong	N.A.				
Appleton	4.42	2.67	4	4	..
Balaclava	4.52	2.50	4	5	..
Bartons	2.91	.97	4	6	..
Black River	1.30	1.30	14	1	..
Braes River	1.54	.80	12	2	..
Bull Savannah	2.52	1.09	2	3	..

*And on other days. N.A. = Not available.

Stations	December, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth, *contd.*					
Fort Charles	1.38	.84	7	2	..
Ginger Hill	1.54	1.26	11	4	..
Goshen	N.A.				
Holland Estate	2.95	.81	5	5	..
Hounslow	1.76	.55	1*	4	..
Ipswich	1.17	1.07	12	3	..
Lacovia	4.60	1.55	10	6	..
Maggotty	3.16	1.47	12	6	..
Malvern	1.62	.61	12	6	..
Mt. Charles	2.72	.97	12	7	..
Mulgrave	2.07	1.52	11	3	..
Munro	3.66	2.10	2	10	..
Myersville	.40	.40	3	1	..
Pedro Plains	3.02	1.33	14	5	..
Quickstep	1.60	1.00	10	3	..
Santa Cruz	1.09	.34	13	5	..
Southfield	3.46	1.20	2	6	..
Springfield	1.82	1.05	11	4	..
Springvale	2.38	.58	4	6	..
Torrington	2.86	1.60	2	3	..
Treasure Beach	N.A.				
Wallingford	3.03	1.72	4	8	..
Warminster	1.68	.53	15	4	..
Williamsfield	2.53	1.03	2	5	..
Windsor	1.66	.50	12	6	..
Yardley Chase	2.28	.96	14	5	..
Westmoreland					
Bath Pen	1.20	.60	2	3	..
Baulk	.63	.41	12	2	..
Belle Isle	1.46	.90	12	5	..
Bethel Town	2.32	1.42	2	2	..
Blue Castle	.62	.57	12	2	..
Bluefields	.73	.43	2	2	..

Stations	December, 1946				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland, *contd.*					
Cornwall	.43	.36	12	3	..
Darliston	1.35	.75	12	4	..
Fontabelle	1.01	.45	4	4	..
Friendship	.45	.40	12	2	..
Frome	1.34	.72	4	4	..
Grange Hill	.68	.60	12	2	..
Kew Park	2.27	.96	12	4	..
Lambs River	2.06	.100	8	6	..
Little London	.78	.45	12	5	..
Masemure	.82	.68	12	4	..
Meylersfield	.70	.60	12	3	..
Midgham	1.03	.84	12	3	..
Mint	.97	.75	12	5	..
Mt. Eagle	1.45	1.05	12	7	..
Mt. Edgecombe	.91	.38	12	9	..
Negril Pt. Lighthouse	.97	.78	12	4	..
New Market	4.80	1.75	14	7	..
Paul Island	1.20	.71	12	4	..
Petersfield	.40	.40	1	1	..
Petersville	N.A.				
Prospect	1.35	.94	4	2	..
Rat Trap	1.80	1.30	2	2	..
Retreat Estate	1.18	.48	2*	4	..
Retrieve	.61	.44	12	3	..
Savanna-la-Mar	..	..	..	..	..
Sheffield	1.27	1.07	12	3	..
Shrewsbury	1.06	.48	2	4	..
Spring Garden L.S.	1.77	.89	8	4	..
The Bog	1.40	.74	13	2	..
Waterworks Farm	2.00	1.25	2	3	..
Welch Pole	2.02	.90	12	5	..
Whithorn	.87	.62	12	2	..
Williamsfield	.12	.10	5	2	..

*And on other days. N.A.=Not Available

Raingauge Station Notes

A welcome return is that of Copse Land Settlement in Hanover. Reserve Pen and Buckingham Land Settlements are however still without responsible officers-in charge, as also in Petersville Land Settlement this month. Gauges are no longer maintained at Treasure Beach, Pera and Stokes Hall. Albany's gauge is broken and cannot yet be replaced.

No figures have been received from Fort Stewart Land Settlement, Accompong. No records have been made at Armadale and Goshen this month.

No monthly details are at hand for Quebec in St. Mary, while the reading at St. George's College, Winchester Park, Kingston were not continued during the whole month.

No readings have been received from Unity and Spring Gardens Land Settlements, or from Lloyds in St. Thomas, where the official-in charge will not make any further readings.

Public Works Department gauges at Mocho School and Wey Hill are not in use, the latter being stolen.

The measure at Titchfield School, Port Antonio is broken.

Readings are probably made at Wentworth, St. Mary but cannot be obtained except spasmodically.

The Island Rainfall

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each Parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representatives of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "Key" station is to find the average of all the Rain gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for Parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell.

The total rainfall for the first eight months of 1946 is also compared with the averages.

Comparative Table of Rainfall Means—December, 1946

Parish	Rainfall for December			Rainfall Year 1946	
	Actual	Average	Raindays	Actual	Average
Hanover	0.75	2.62	3.0	76.23	81.19
St. James	1.96	2.99	5.6	61.64	65.01
Trelawny	3.15	3.86	7.6	50.24	65.15
St. Ann	5.92	6.08	10.6	44.74	64.54
St. Mary	9.32	9.44	12.0	60.72	84.27
Portland	16.30	15.71	16.2	111.31	145.40
St. Thomas	6.12	5.09	9.5	68.65	83.69
Kingston and St. Andrew	2.62	3.60	7.3	45.14	69.10
Kingston	.71	.98	3.6	19.36	31.86
St. Catherine	2.17	3.48	5.4	41.64	64.87
Clarendon	3.06	1.88	6.2	39.17	64.50
Manchester	3.94	2.14	5.8	48.35	73.02
St. Elizzbeth	2.18	2.13	4.4	63.75	69.91
Westmoreland	1.31	2.38	3.5	84.56	88.42
The Island	4.52 (b)	4.46 "70-Yr." Av. 5.31	7.5 "45-Yr." Av. 8.8	60.85	75.07 "70-Yr." Av. 77.12

Notes:—The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

The December Rainfall

On the average, the rainfall this month falls off rapidly from November's high amount, and this year the Island fall was little different from the long term mean.

Portland was by far the wettest parish, followed by St. Mary. This is normal for the time of the year. The month's greatest fall was experienced at Bowden Pen in St. Thomas with 31.00 inches. In Portland, Balcarres, Bellevue, Chepstowe, Fruitful Vale, Millbank, Moore Town, Mt. Pleasant, Plum Valley and Windsor all had over 20 inches, while eleven other stations in the North eastern parishes had over 15 inches. The heaviest daily fall was also at Bowden Pen with 12.18 inches on the 7th. One St. Mary and nine Portland stations reported a day's fall of over 5 inches.

The driest parishes were Hanover and Westmoreland in the extreme west. A return of no measurable rain was sent by Sav.-la-mar, and ten other stations had a fall of less than half an inch.

A summary of the year's rainfall is appended on page 8. The year's deficit was of the order of 20%, but it will be seen from the figures above that the effect was felt chiefly in the central Parishes, as has been indicated in previous Reports.

Sunshine

The following table shows the duration of sunshine at the four stations where Campbell Stokes continuous recorders are in operation. The fraction for each hourly period are the average over the month.

Period	Grove Place	Hope Laboratory	Orange River	Palisadoes
5–6 a.m.	..	..	..	..
6–7 "	.00	.03	.01	.14
7–8 "	.57	.60	.42	.68
8–9 "	.69	.74	.66	.74
9–10 "	.76	.83	.75	.86
10–11 "	.75	.74	.80	.84
11–12 noon	.72	.71	.70	.84
12–1 p.m.	.75	.64	.64	.82
1–2 "	.69	.60	.70	.77
2–3 "	.67	.69	.65	.74
3–4 "	.52	.63	.54	.72
4–5 "	.37	.43	.48	.59
5–6 "	.03	..	.01	.15
Total	6.53	6.63	6.37	7.89
percentage	59%	60%	57%	71%
No. of days over 10 hours	1	Nil	1	9
Cloudiest day	11th, 12th (nil)	11th, 12th (nil)	10th, 12th (nil)	12th (nil)

At this time of year the recorder at Hope Laboratory is screened from the setting sun by a line of trees and therefore shows a total slightly below true.

Earthquakes

No earth tremor was reported this month.

Northers

The movement of a "Cold Front" southwards from the North American continent brought a strong burst of cold air into the Caribbean early in the month. Moderate northers were reported from the 5th to the 7th.

City of Kingston

A partial lunar halo was seen on the 5th, and a solar halo on the 15th. Little else of note occurred.

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SUMMARY OF MONTHLY PARISH RAINFALL AND RAINDAYS 1946

	Rainfall													Raindays											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Hanover	2.10	1.22	3.75	9.25	15.92	7.88	5.62	9.31	10.23	7.62	2.58	.75	76.23	7.1	3.7	9.6	12.9	21.9	13.6	10.2	17.3	17.0	11.3	8.0	3.0	135.6
St. James	1.81	1.91	2.04	5.82	11.14	7.33	3.66	7.17	9.92	6.49	2.39	1.96	61.64	6.3	4.9	7.3	8.8	16.3	10.5	6.8	12.7	14.4	12.8	6.0	5.6	112.4
Trelawny	2.17	2.26	.68	4.31	7.48	5.13	2.57	5.99	7.48	5.59	3.43	3.15	50.24	6.6	6.2	3.9	7.7	11.3	6.9	4.7	10.7	11.2	9.0	7.2	7.6	93.0
St. Ann	4.30	1.94	2.36	2.83	4.47	3.05	1.16	2.63	5.70	5.15	5.23	5.92	44.74	10.9	7.2	8.6	6.4	8.4	5.7	3.7	6.0	9.3	10.9	7.6	10.6	95.3
St. Mary	8.18	4.70	4.07	4.07	4.27	1.85	2.39	4.27	4.94	4.22	8.44	9.32	60.72	15.2	10.4	9.3	7.6	6.9	4.0	6.4	8.8	8.2	10.4	10.5	12.0	109.7
Portland	9.62	5.76	4.59	5.81	5.20	11.88	5.14	10.17	14.75	7.45	14.64	16.30	111.31	16.1	11.4	9.3	9.7	10.1	8.7	9.3	12.5	13.1	12.2	14.2	16.2	129.8
St. Thomas	3.60	3.63	3.13	4.19	6.78	3.79	2.62	5.32	13.89	4.78	10.80	6.12	68.65	9.6	8.6	6.5	7.7	12.2	6.9	7.4	8.3	12.4	9.9	9.1	9.5	108.1
Kingston and St. Andrew	1.67	3.03	2.82	4.02	3.74	1.23	1.21	4.06	9.51	5.50	5.73	2.62	45.14	6.1	6.9	6.9	8.5	8.8	3.8	4.5	8.9	11.5	10.8	10.3	3.6	90.6
Kingston	.10	.98	.77	2.40	.43	.40	.61	2.36	4.88	1.61	4.11	.71	19.36	2.0	2.4	3.5	7.7	2.3	1.7	3.2	6.5	5.2	6.2	6.2	3.6	50.5
St. Catherine	1.95	2.71	1.98	4.25	3.82	1.91	1.79	3.81	5.85	5.54	5.86	2.17	41.64	5.1	6.6	5.6	7.0	7.2	4.8	4.2	7.7	9.9	10.6	7.2	5.4	81.3
Clarendon	1.62	1.27	1.59	3.35	2.08	1.66	1.71	2.88	8.09	4.48	7.38	3.06	39.17	4.9	4.6	4.4	7.0	5.4	3.9	3.6	6.4	11.7	8.6	8.8	6.2	75.5
Manchester	1.68	2.50	1.73	6.32	3.45	1.38	1.75	5.13	8.14	5.64	6.69	3.94	48.35	4.5	5.0	4.3	11.4	5.7	3.5	3.7	6.9	11.8	9.3	9.0	5.8	80.9
St. Elizabeth	2.55	1.84	1.79	10.79	6.51	3.21	3.65	6.67	8.50	7.89	8.17	2.18	63.75	5.5	4.9	4.8	13.7	8.3	5.5	6.4	10.4	12.5	13.6	9.5	4.4	99.5
Westmoreland	2.42	1.93	2.43	9.86	12.77	9.72	5.85	9.53	12.79	8.47	7.48	1.31	84.56	6.6	4.8	7.3	16.4	17.2	13.1	11.7	16.5	18.4	12.7	11.2	3.5	139.4
The Island	3.48	2.69	2.52	5.66	6.51	4.53	2.99	5.83	9.16	6.05	6.91	4.52	60.85	6.7	6.6	6.8	9.5	10.5	6.9	6.3	10.2	12.3	11.0	9.0	7.5	103.3
Mean—"20 Year"	3.34	3.13	3.10	5.46	8.43	6.58	5.30	7.56	7.61	11.33	8.78	4.46	75.07	..	..	..	..	..	..	..	..	..	..	..	..	..
Mean—"70 Year"	4.00	3.21	3.33	5.11	8.89	6.91	5.22	7.14	7.80	10.89	9.31	5.31	77.12	8.2	7.1	7.5	8.7	12.0	10.5	9.5	11.5	12.6	14.5	11.9	8.8	122.8

STATION NOTES

The climatological readings for Kingston are made from several stations. Temperatures and humidity are measured in a Stevenson Screen situated in Winchester Park and supervised by the Society of Jesuits. The exposure is good and the readings are considered representative of the area. Rainfall is measured at the Public Works Office but there are several other gauges within a two mile radius with which to compare. This is necessary with the capricious nature of Jamaica rain. Cloud weather and wind are recorded at Palisadoes Airport situated on the seaward side of Kingston Bay. This is a full time synoptic and climatological meteorological station, first class, maintained by Air Ministry staff, and is the forecast centre for the western Caribbean. Here the exposure is excellent but the cloud amount tends to be less than over the City. Showers are also less frequent. The day sea breeze sets in earlier at the Airport and apparently is stronger, while the night land breeze which cools the urban area does not appreciably affect the Airport till dawn. Wind is recorded by Dines Pressure Tube Recording Anemometer.

Both Morant Point and Negril Point Light house are full synoptic reporting stations with a good complement of instruments including Cup Anemometers. Exposures are open and very good, the sites at the extreme east and west extremities of the Island being excellent for their main purpose of weather reporting for immediate international use.

KINGSTON, JAMAICA.—Mean Meteorological Results for the Year 1946, Longitude 76°48′West Latitude 17°58′ North...

Month	Mean Pressure	Air Temperatures Fah.								Dew Point			Relative Humidity			Amount of Cloud Tenths			Rainfall Inches			Weather No. of days of					Wind No. of Observations of								
		7 a.m.	3 p.m.	Mean	Means of		Absolute Max. and Min.			7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	Total	Max.	Date	Rain	Thunder Storm	Clear Sky	Overcast	Gales	N.	NE.	E.	S.E.	S.	SW.	W.	NW.	Calm
					Min.	Max.	Min.	Date	Max.	Date																										
Jan.	29.983	69.0	84.1	76.5	67.9	87.0	65.2	27	90.1	23	64	70	66	84	63	77	3.3	4.0	3.6	0.00	..	..	..	..	14	1	..	10	..	4	18	2	4	2	6	16
Feb.	.979	68.4	83.7	76.0	67.4	86.4	62.2	25	85.0	2	62	69	65	80	62	74	3.0	4.1	3.5	1.36	1.17	24	2	..	9	..	..	6	..	3	21	4	..	..	8	11
Mar.	.947	71.5	82.5	76.9	69.5	86.0	64.7	10	90.8	27	66	72	68	83	70	79	2.9	3.9	3.4	0.84	0.47	21	3	..	16	..	..	11	1	6	23	6	3	1	1	10
April	.950	73.8	83.6	78.2	70.2	87.1	67.6	2	89.8	14	67	71	69	78	67	74	3.1	4.7	3.9	3.69	1.14	29	7	..	16	2	..	11	4	4	23	3	..	1	8	6
May	.927	77.3	84.7	80.5	73.4	88.5	70.7	9	91.8	5	70	73	71	77	68	74	6.1	6.6	6.3	0.87	0.87	6	1	3	13	3	..	5	1	11	39	1	..	..	2	3
June	.968	78.6	87.2	82.5	75.0	91.0	72.5	6	93.6	23	70	73	71	74	62	71	3.4	5.0	4.2	0.14	0.14	8	1	3	13	3	..	3	3	8	29	..	..	..	2	15
July	.967	77.7	87.5	82.2	74.9	90.6	73.2	8	92.3	4	72	74	73	81	64	75	2.2	5.1	3.6	0.67	0.38	6	3	4	16	3	..	8	1	6	31	..	..	..	3	13
Aug.	.941	77.2	86.3	81.6	74.5	90.4	72.0	14	95.2	24	69	72	70	77	63	72	2.3	5.6	3.9	1.95	1.19	6	6	10	11	4	..	5	5	9	25	..	..	..	8	10
Sept.	.889	76.4	85.1	80.8	74.1	89.6	69.8	8	92.3	2	70	74	72	81	70	77	3.0	6.1	4.5	3.97	3.93	7	3	14	5	5	..	7	5	8	27	1	..	..	4	8
Oct.	.858	77.0	85.2	81.2	74.4	90.1	71.5	31	92.9	27	71	74	72	81	69	77	2.2	6.0	4.1	1.84	0.97	6	7	10	10	1	..	8	4	6	20	4	1	1	9	9
Nov.	.886	73.7	84.1	78.8	72.1	87.4	69.2	15*	90.6	3	68	72	70	83	67	78	2.7	5.5	4.1	4.05	2.46	1	5	2	10	..	..	9	3	9	19	2	4	..	10	4
Dec.	.912	73.2	82.9	77.6	72.3	86.1	66.7	7	88.5	4	68	71	69	85	68	79	2.7	4.9	3.8	0.66	0.36	12	4	1	9	3	..	10	2	4	25	3	5	..	8	5
Year	29.934	74.5	84.7	79.4	72.1	88.4	68.8	..	91.1	..	68	72	70	80	66	75	3.1	5.1	4.1	20.04	..	..	42	47	142	25	..	93	29	78	300	26	17	5	69	110

* And any other days.

Temperatures measured at Winchester Park.

Rainfall measured at Public Works Office. Cloud, weather and wind recorded at Palisadoes Airport.

NEGRIL POINT LIGHTHOUSE, JAMAICA.—Mean Meteorological Results for the Year 1946. Longitude 78° 23′ West. Latitude 18° 15′ North.

Month	Mean Pressure	Air Temperatures Fah.								Dew Point			Relative Humidity			Amount of CMoud Tenths			Rainfall Inches			Weather No. of days of					Wind No. of Obeervations of								
		7 a.m.	3 p.m.	Mean	Means of		Absolute Max. and Min.			7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	Total	Max.	Date	Rain	Thunder Storm	Clear Sky	Overcast	Gales	N.	NE.	E.	S.E	S.	SW.	W.	NW	Calm
					Min.	Max.	Min.	Date	Max.	Date																										
Jan.	29.990	70.8	82.3	76.2	68.3	85.3	63.5	27	88.5	28	64	68	66	84	64	78	2.5	6.0	4.2	1.48	0.48	2	11	1	14	5	..	8	8	4	8	8	2	..	4	..
Feb.	.986	71.2	82.7	76.4	68.5	85.3	65.3	17	88.5	1	65	69	67	81	61	75	3.0	5.6	4.3	1.63	0.57	19	7	..	10	7	..	8	16	5	15	2	1	2	5	2
Mar.	.959	71.5	82.2	76.3	68.4	85.0	63.0	10	89.8	24	64	68	66	78	64	74	2.4	7.1	4.7	2.59	1.05	5	10	1	9	6	..	10	20	6	11	6	..	1	7	1
April	.958	73.8	83.1	77.7	69.7	86.3	66.2	2	89.4	29	69	70	69	84	67	80	3.0	7.4	5.2	3.47	0.83	30	14	2	4	9	..	11	20	4	16	..	..	..	5	4
May	.932	78.2	83.4	79.6	71.8	86.9	68.9	1	88.9	30	70	72	71	76	70	74	4.5	8.3	6.4	1.61	0.63	20	11	6	1	13	..	3	9	17	27	1	..	..	3	2
June	.978	78.7	84.8	80.8	73.1	88.5	70.5	21	92.5	6	71	74	72	76	69	73	4.8	7.4	6.1	7.73	1.43	19	13	18	3	13	..	7	20	7	22	..	..	1	2	1
July	.975	77.8	85.7	80.8	72.9	88.9	71.0	21	91.6	24	71	75	73	80	68	76	5.1	8.4	6.7	5.44	1.94	9	10	18	2	13	..	5	21	6	19	4	2	2	1	2
Aug.	941	76.7	84.1	79.9	72.3	88.3	70.0	23	90.6	26	73	74	73	85	73	81	5.7	8.4	7.0	7.86	2.40	2	15	16	1	18	..	8	14	8	21	1	2	2	3	3
Sept.	.896	76.6	85.1	80.3	72.9	88.6	70.6	14	91.0	11	71	74	72	84	70	79	5.6	8.0	7.2	6.59	1.08	6*	18	22	8	0	..	4	16	9	25	1	2	1	2	..
Oct.	.853	76.7	86.0	80.5	72.8	88.3	69.2	25	92.3	20	72	75	73	84	69	79	5.5	7.3	6.4	3.25	1.15	25	15	6	4	7	..	14	14	4	17	4	..	..	5	
Nov.	.880	74.3	84.4	78.8	71.2	87.1	66.4	17	90.6	9	64	71	67	82	68	77	6.0	6.2	6.1	4.74	1.35	1	12	7	3	9	..	10	22	2	12	5	..	2	4	
Dec.	.918	73.6	83.6	77.9	70.7	85.6	66.5	27	89.0	27	68	72	69	81	66	76	3.7	5.9	4.8	0.97	0.78	12	4	..	10	12	..	9	25	6	12	3	3	..	3	1
Year	29.939	75.0	83.9	78.8	71.1	87.0	67.6	..	90.2	..	69	72	70	81	67	77	4.3	7.2	5.7	47.36	..	..	140	97	69	121	..	97	205	78	205	35	12	11	44	23

MORANT POINT LIGHTHOUSE, JAMAICA.—Mean Meteorological Results for the Year 1946. Longitude 76° 12′ West. Latitude 17° 56′ North.

Month	Mean Pressure	Air Temperatures Fah.								Dew Point			Relative Humidity			Amount of Cloud Tenths			Rainfall Inches			Weather No. of day of					Wind No. of Obeservations of								
		7 a.m.	3 p.m.	Mean	Means of		Absolute Max. and Min.																												
					Min.	Max.	Min.	Date	Max.	Date	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Mean	Total	Max.	Date	Rain	Thunder Storm	Clear Sky	Overcast	Calms	N.	NE.	E	SE.	S.	S.W	W.	NW	Calm
Jan.	29.993	77.2	81.0	78.4	83.2	74.1	63.4	18	85.0	24	75	77	76	94	87	92	7.2	6.2	6.7	2.61	0.65	2	16	..	9	10	..	9	20	30	1	..	1	..	..	1
Feb.	.990	76.0	80.9	77.9	82.9	73.9	62.2	25	85.0	2	73	76	74	92	84	89	6.8	6.5	6.7	3.44	1.65	24	9	..	5	8	..	..	25	25	4	..	1	1	..	..
Mar.	.960	76.2	81.4	78.0	83.3	73.1	64.2	31	85.0	29	70	74	72	83	74	80	7.2	5.8	6.5	3.99	1.50	4	11	..	6	5	..	8	16	35	..	..	1	2	..	..
April	.956	78.8	83.5	80.3	86.3	75.7	68.0	19	87.2	27	75	75	75	86	77	83	7.4	6.0	6.7	0.92	0.38	1	6	..	7	9	..	..	27	30	..	..	1	1	..	1
May	.935	80.4	83.8	81.3	85.9	77.3	71.7	10	87.6	20	76	77	76	89	81	86	8.7	8.1	8.4	4.19	2.20	24	11	1	1	18	..	..	5	54	3	..	..	..	..	..
June	.990	81.3	84.6	82.3	86.2	79.0	73.4	19	87.8	7	76	77	76	85	76	82	7.7	6.3	7.0	1.63	0.89	18	6	1	7	13	..	1	..	59	..	..	..	..	..	..
July	.978	81.6	85.9	82.9	87.3	78.7	73.2	8	89.2	29	78	78	78	87	78	84	8.0	6.2	7.1	1.24	0.38	15	11	1	8	13	..	2	5	52	1	..	..	1	1	..
Aug.	.948	81.6	86.1	82.9	87.8	78.0	71.2	27	90.0	31	77	77	77	85	75	82	7.4	6.8	7.1	2.67	0.57	20	12	2	9	10	..	2	8	50	1	..	..	1	..	..
Sept.	.891	81.8	84.5	82.3	87.3	77.6	70.0	15	89.7	1	75	76	75	83	79	82	8.3	8.3	8.3	11.54	6.75	7	15	2	1	15	..	2	8	45	2	..	..	2	..	1
Oct.	.857	80.0	85.0	81.7	88.0	75.9	70.0	4	90.0	29	75	77	76	84	75	81	6.1	7.2	6.6	2.11	0.75	30	11	..	9	9	..	11	12	18	12	1	..	5	..	3
Nov.	.878	79.2	82.7	80.3	85.3	76.0	65.0	14	88.9	16	74	75	74	84	77	82	7.2	6.8	7.0	7.53	2.10	24	10	..	11	11	..	10	22	18	4	1	..	1	4	..
Dec.	.908	78.8	81.9	79.7	83.8	76.5	71.0	16	87.5	7	75	75	75	86	80	84	7.6	6.4	7.0	2.48	0.58	5	15	..	11	17	..	12	29	17	4	..	..	..	..	..
Year	29.940	79.4	83.4	80.7	85.5	76.3	68.6	..	87.7	..	75	76	75	86	79	84	7.5	6.7	7.1	44.35	..	..	133	7	84	138	..	57	177	433	32	2	4	14	5	6

THE WEATHER OF 1946

The outstanding feature of the weather this year was the lack of rain. For the first six months of the year the mean rainfall over the whole island fell 15-20% below normal but the main effect was in the Central parts where by June the drought was very keenly felt, the May rains being very feeble. The extreme western parishes had slightly more than normal rainfall and the extreme east about normal but later in the year even these began to suffer, particularly the East. A comparison of the actual rainfall given for the three stations Kingston, Negril Point and Morant Point with their long term averages of 30.56, 54.00, and 67.00 inches, respectively will illustrate this, the whole island showing a deficit approaching 20%. Corresponding deviations show in the temperature, Kingston averaging above the normal of 78.7°F, with cloudiness below normal, and raindays—42 against an average of 79. No other outstanding deviations were noted.

Extremes—In Kingston, the March temperatures gave a wide range of 26.1°F between maximum and minimum readings, July being the most equable month. The range over the whole year was 33.0°F. Neither Negril nor Morant Points approach this, the year's range being 29.5°F at Negril and 27.8°F at Morant, though Negril shows a monthly range in March of 26.8°F.

Northers—Northers were experienced during the period March 21st–22nd when a wave of cold air from the U.S.A. succeeded in penetrating into the Caribbean sea to south of Jamaica. A stronger burst of cold air occurred in December, moderate northers being reported December 5th–7th.

Tropical Storms—While six tropical disturbances formed during the season only two passed within range, both in October. A storm forming about 450 miles to the west of Jamaica moved NNE and developing to hurricane strength, crossed the western tip of Cuba and moved on to Florida where it degenerated. Strong south winds were experienced in the Cayman Islands. A weak circulation formed at the end of the month north of Haiti and moved northwestwards near Turks Island and, still weak, passed on to Florida.