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JAMAICA
WEATHER REPORT

FOR THE MONTH OF
JANUARY, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 3-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day, do so at 7 a.m. and 3 p.m.

Stations	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	Hrs.
Castleton Gardens	496	..	..	64.7	79.5	..	82.5	60.9	21.6	86.0	7	59.8	15	26.2	..
Grove Place A.C.	1460	..	..	66.6	77.2	..	81.5	61.2	20.3	85.3	15	52.0	2	33.3	7.72
Hill Gardens	4900	..	..	55.3	63.3	..	67.2	53.2	14.0	72.0	24	51.3	*11	20.7	..
Hope Laboratory	668	..	..	65.6	83.8	..	87.2	62.8	24.4	91.2	29	58.3	15	32.9	6.49
Kingston	80	..	..	69.2	84.6	..	84.8	67.0	17.8	91.4	3	64.6	19	26.8	..
Lorrimers	2700	..	..	62.9	..	..	73.9	59.8	14.1	80.0	15	52.0	30	28.0	..
Morant Pt. Light Hs.	8	30.017	30.016	76.5	79.9	77.3	81.5	73.8	7.7	84.0	31	67.0	21	17.0	..
Negril Pt. Light Hs.	33	30.005	29.995	71.2	83.2	75.4	85.4	66.5	18.9	89.0	29	63.0	*15	26.0	..
Orange River Ex. St.	450	..	..	67.7	76.8	..	80.1	66.2	13.9	83.5	4	58.9	15	24.6	6.98
Palisadoes Airport	19	30.011	30.005	73.0	83.5	78.6	85.4	72.0	13.4	88.0	18	70.0	*18	18.0	8.64

Stations	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m. †		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	62	90	73	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	62	86	62	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	53	88	58	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	63	92	66	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	65	88	70	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	61	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	69	79	70	73	69	78	NE	13	NE	11	NE	15	5.1	5.3	4.4	4.8	3.4	3.5
Negril Pt. Light H.	65	83	66	57	65	71	NE	6	NE	8	NE	6	3.0	3.5	3.4	3.6	2.6	2.8
Orange River Ex. St.	66	88	68	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	69	81	68	59	67	66	N	4	S	9	SW	8	1.5	2.7	3.0	8.0	1.2	1.9

*And on other days †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

National Oceanic and Atmospheric Administration

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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.

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

Stations	January, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	0.55	.55	12	1	2.90
Blenheim	1.38	.64	10	7	..
Blue Hole	1.09	.42	25	4	2.69
Cascade	0.91	.46	12	3	..
Copse	0.08	.04	12	3	2.53
Cousin's Cove	1.02	.22	10	16	2.30
Green Island	0.83	.32	10	7	2.41
Green River	0.20	.20	30	1	..
Haughton Court A. C.	1.08	.50	10	6	2.54
Haughton Grove	0.80	.80	20	1	2.84
Haughton Hall	0.76	.26	10	7	2.10
Hopewell	0.50	.14	*18	6	..
Kendal	0.00	..	..	0	..
Kingsvale	0.24	.21	10	3	2.74
Lucea	1.39	.66	11	3	3.06
Retirement	1.00	.85	2	2	..
Santoy L. S.	1.12	.61	10	3	..
Shettlewood	0.72	.27	19	4	..
St. James					
Adelphi	2.67	.61	19	12	..
Anchovy	1.60	.35	19	7	2.45
Cambridge	0.57	.32	20	2	2.08
Catadupa	0.74	.30	4	5	2.11
Cinnamon Hill	2.52	.95	21	9	3.17
Cornwall Works	3.75	.74	19	8	..
Friendship	2.12	.74	19	8	3.12
Irwin A. C.	2.58	.42	*20	16	3.98
John's Hall	2.83	.93	23	6	..
Kempshot	1.44	.22	18	14	3.51
Lapland	0.66	.23	4	6	..
Latium L. S.	3.01	.76	20	14	4.41
Maldon	0.88	.50	19	3	..
Mocho	0.78	.45	26	3	2.88
Montego Bay	2.06	.44	20	11	2.65
Montpelier	0.74	.28	20	6	1.61
Retirement	1.80	.40	20	9	2.98
Richmond Hill	1.06	.41	19	6	..
Rose Hall	2.84	1.16	21	12	3.15
Running Gut	2.66	.80	21	11	3.24
Spring Estate	2.13	.51	21	9	3.83
Success	3.12	1.27	21	12	2.08
Sweetwater	0.93	.20	4	6	..
Tryall	2.99	.74	21	11	2.03
Vaughansfield	0.00	..	..	0	..
Windsor Lodge	3.09	.90	*19	11	..

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

Stations	January, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Trelawny					
Albert Town	1.51	.50	19	5	2.79
Arcadia	4.35	.80	21	13	4.65
Clark's Town	2.94	.59	19	14	3.18
Duncans	5.32	1.20	19	9	2.64
Falmouth	3.42	1.20	21	14	3.13
Harmony Hall	4.88	1.08	21	17	3.80
Hyde and Gibraltar	2.55	1.20	26	5	..
Lichfield	2.30	.45	19	8	..
Lorrimers	1.57	.40	19	8	..
Reserve Pen, L.S.	1.70	.60	19	4	..
Stewart Town	2.85	.55	19	12	..
Troy	1.23	1.23	19	1	2.00
Troy Land Settlement	0.35	.13	26	3	..
Ulster Spring	1.53	.54	19	7	3.26
Vale Royal	3.80	.80	21	13	4.85
Wait-a-bit	2.08	.41	19	8	..
Wakefield	1.96	.42	20	10	2.12
Warsop	1.05	.53	20	4	2.24
St. Ann					
Alexandria	1.82	.57	19	5	2.65
Armadale	1.39	.50	19	6	..
Averham Park	7.63	1.37	18	24	6.93
Bel-Air	4.30	.85	3	13	4.68
Beverley L. S.	3.84	1.09	3	11	..
Brown's Town	5.46	.90	19	19	5.95
Cave Valley	0.98	.20	18	7	2.11
Chippenham Park	9.95	2.19	21	23	..
Claremont	4.22	1.36	19	14	5.80
Cuffie Ridge	1.30	.20	21	12	..
Eltham	3.95	.75	19	10	..
Exchange	4.45	1.10	19	7	..
Greenock	1.08	.25	26	7	..
Home Castle	7.49	1.45	19	10	5.74
Knapdale	8.82	1.40	21	18	7.55
Liberty Hill	3.36	.63	3	22	6.10
Moneague	3.54	.55	20	15	4.79
New Ground A. C.	6.62	1.51	21	13	..
Ocho Rios	6.30	1.38	4	14	4.78
Queen Hythe L.S.	7.49	1.45	19	10	..
Richmond Estate	4.19	1.17	3	15	5.44
Richmond Pen, L.S.	1.67	.50	20	8	..
Rio Hoe	5.34	.94	19	18	5.72
Rockfield	7.39	1.45	21	23	7.63
Runaway Bay	2.62	.58	3	12	2.66
Rural Retreat	4.33	1.20	21	10	..
St. Ann's Bay	4.38	1.22	3	13	5.15
Stepney	1.48	0.65	19	6	..
Thatchfield L. S.	13.88	2.37	21	21	..
Unity	3.66	.67	21	17	4.95
Watt Town	0.80	.30	19	4	2.53
Wilton	3.65	.45	20	18	..
St. Mary					
Agualta Vale	5.54	1.53	3	13	6.94
Castleton Gardens	7.79	1.50	19	20	9.30
Devon Pen, L.S.	9.61	2.10	25	14	..
Dover L.S.	6.48	1.15	3	16	6.95
Dover G.I,C.F.	6.65	1.14	3	18	..
Enfield	12.74	2.40	19	20	13.20
Fort Stewart	7.71	1.07	21	19	..

Stations	January, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Fort Stewart, L.S.	22.75	3.06	20	30	..
Gibraltar	3.90	1.00	3	11	..
Golden Grove, East	2.91	.57	1	14	..
Gray's Inn Cntl. Facty.	5.43	1.33	3	21	..
Guy's Hill	6.48	1.12	19	30	6.28
Hampstead	10.38	2.00	21	16	9.41
Highgate	9.95	2.84	22	25	..
Iter Boreale	5.73	1.10	3	14	..
Jack's River	5.27	1.20	2	11	..
Lady Hole	6.37	1.31	5	15	..
Lower Esher	6.26	1.32	3	17	..
Lucky Hill	6.73	1.25	19	13	7.17
Lucky Hill Pen	6.35	.75	*18	15	..
Newry	5.22	1.75	3	13	..
Nutfield A. C.	5.85	2.00	3	14	..
Oracabessa	2.47	.65	2	9	6.50
Orange River	6.58	1.25	19	20	..
Platfield	3.67	.80	23	16	..
Port Maria	4.21	1.18	3	13	5.91
Prospect	3.53	.94	3	8	..
Quebec	4.74	2.00	2	6	6.38
Retreat	4.43	1.00	3	12	..
Richmond	7.04	1.52	19	21	7.00
Warwick	8.55	2.00	19	13	..
Water Valley	4.30	1.10	2	11	7.51
Western St. Mary	9.96	2.01	19	16	..
Windsor Castle	8.84	1.12	19	36	8.21
Portland					
Balcarres	14.14	2.40	19	23	13.58
Belle Vue	14.01	1.83	26	18	..
Belvedere	11.81	2.05	21	11	10.62
Boundbrook, L.S.	4.75	1.00	1	13	..
Bruton Hall	17.56	2.50	6	21	..
Buff Bay	6.63	1.00	3	14	8.97
Bybrook	14.84	2.10	19	25	..
Caenwood	5.24	.66	26	26	..
Castle Comfort	3.06	1.00	2	12	..
Cedar Hurst	7.12	1.20	19	20	7.30
Chepstowe	14.33	2.30	25	27	..
Darley	4.71	.41	1	26	..
Ecclesdown	15.19	2.16	1	24	..
Fellowship	8.45	.85	3	21	12.16
Fruitful Vale	10.97	1.80	20	21	..
Hope Bay	4.53	.60	*18	16	8.30
Hopewell	5.23	.79	4	18	..
Lennox	6.03	.80	8	26	9.22
Manchioneal	2.79	.96	2	8	5.58
Mill Bank	16.45	3.50	3	17	19.14
Moore Town	16.10	2.35	19	23	16.83
Mount Holstein	12.58	2.70	19	17	14.65
Mount Pleasant	5.60	.75	7	14	..
Passley Gardens	3.30	..	..	..	6.74
Plum Valley	10.61	2.09	29	16	..
Port Antonio	4.14	1.00	1	12	8.63
Priestman's River	0.92	.21	5	10	5.43
Shrewsbury	21.11	1.72	29	29	15.95
Spring Garden	6.63	1.00	3	14	8.11
Tom's Hope	7.13	1.40	27	22	..
Windsor A. C.	12.41	1.44	20	25	..

*And on other days.

Stations	January, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	1.87	1.08	25	15	..
Bath	6.12	1.10	4	20	6.15
Bowden Pen	17.69	2.00	3	21	..
Cedar Valley	1.23	.25	10	11	3.64
Citron Valley L.S.	1.43	.50	20	4	..
Clifton Hill	2.67	.30	26	15	..
Coley	1.00	.48	30	4	3.24
Duckenfield	2.74	.67	1	14	..
Easington	0.86	.48	30	7	1.60
East Prospect	1.56	.32	21	8	3.92
Golden Grove J. S. E.	3.84	.95	1	14	..
Llandewey	0.00	..	..	0	..
Lloyds	1.14	.62	30	6	..
Lyssons L.S.	4.16	.72	14	16	..
Morant Bay	0.87	.36	4	5	2.82
Morant Pt. Lighthouse	3.53	1.58	1	17	4.05
Mount Mansfield	6.60	1.30	4	15	..
Norris	0.85	.53	30	3	..
Plantain Garden River	6.27	1.21	4	18	..
Pleasant Hill	2.99	1.20	4	15	4.73
Rowlandsfield L. S.	6.95	2.20	4	18	..
Seaforth	1.65	.53	30	10	..
Spanishwood	2.48	.67	1	12	..
Sunning Hill L.S.	5.76	1.33	4	16	..
Wheelerfield	4.93	1.14	4	13	..
Yallahs	0.20	.20	5	1	1.44
Kingston and St. Andrew					
Bamboo Avenue	0.27	.10	7	3	..
Brandon Hill	6.28	.95	7	12	..
Cavaliers	0.06	.03	20	4	..
Clifton Pen	0.00	..	..	0	0.70
Constant Spring F. P.	0.17	.07	21	3	..
Constant Spring Ch. R.	0.38	.23	21	3	..
Dallas Castle	0.00	..	..	0	1.15
Fort George	0.50	.16	10	11	..
Golden Spring	0.99	.22	6	12	..
Gordon Town	0.67	.23	2	5	2.90
Grey Weathers	0.44	.13	10	10	..
Guava Ridge	0.02	.02	7	1	2.05
Halfway Tree	0.00	..	..	0	0.95
Harbour Head	0.10	.10	30	1	..
Hardware Gap P.W.D.	2.90	.45	25	12	5.58
Hermitage	1.24	.47	10	10	1.94
Hill Gardens	5.53	.82	10	21	6.78
Hope Farm Agr. Stn.	0.06	.06	21	1	1.70
Hope Laboratory	0.21	.09	21	4	..
Hope Water Works	0.14	.05	5	5	..
Irish Town	1.80	.32	12	9	2.13
Iver	0.33	.15	13	5	..
King's House Gardens	0.09	.06	7	2	1.32
Langley	6.12	.76	26	23	2.60
Lawrence Tavern	0.41	.21	21	2	2.05
Mavis Bank	1.26	.77	1	9	..
Mount Airy	2.22	.46	25	11	..
Mount Cressy	10.57	1.52	19	24	..
Mount Salus	0.00	..	..	0	..
Newcastle	3.05	.44	8	15	..
Penfield Water Works	0.71	.24	1	5	..
Red Hills	0.00	..	..	0	1.84

Stations	January, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Rose Hill	1.87	.63	10	10	3.60
Seaview Filter Plant	0.84	.24	11	7	..
Shortwood College	0.40	.39	21	2	..
Stony Hill	0.65	.23	10	4	2.78
Twickenham Pen	0.00	..	..	0	..
Up Park Camp	0.25	.20	30	2	
Kingston					
Kingston P. W. O.	0.00	..	..	0	0.75
Palisadoes	0.30	.22	30	4	..
Parade Gardens	0.00	..	..	0	..
Plumb Pt. Lighthouse	0.26	.26	30	1	0.74
St. George's College	0.05	.05	30	1	..
Upper Kingston	0.04	.03	30	2	0.66
St. Catherine					
Above Rocks	0.43	.25	10	2	..
Barry and Lloyds L.S.	1.04	.79	5	2	..
Bellas Gate	0.14	.14	25	1	1.60
Bodles A.C.	0.42	.32	5	2	..
Bog Walk	0.15	.10	4	2	2.19
Brown's Hall	0.57	.15	28	6	2.25
Carew Castle	0.97	.31	30	6	2.49
Ewarton	1.87	.86	5	5	..
Ginger Ridge	0.60	.15	30	6	..
Glengoffe	1.39	.45	20	6	..
Grove Farm A. C.	0.51	.33	25	2	..
Guanaboa Vale	N/A	..	..	..	2.27
Headworks	0.61	.39	21	4	1.66
Hematine	0.07	.06	1	2	1.04
Hog Hole	0.53	.25	1	5	1.50
Knollis	0.59	.35	10	3	1.54
Linstead	0.38	.25	25	2	2.23
Old Harbour	0.56	.30	5	5	1.96
Pear Tree Grove	4.30	1.40	19	11	4.96
Point Hill	0.53	.40	25	2	3.33
Quarantine Station	0.27	.12	30	3	0.63
Rio Magno	5.01	1.28	26	11	5.03
Riversdale	1.45	.50	19	4	2.28
Sligoville	0.50	.15	19	10	2.60
Spanish Town	0.16	.16	1	1	1.27
Troja	3.35	1.30	20	7	5.01
Troja, L. S.	5.89	1.36	*3	5	..
Tulloch Estate	0.00	..	..	0	..
Twickenham A. C.	0.00	..	..	0	
Worthy Park	1.88	.59	19	5	2.13
Clarendon					
Amity Hall	0.65	.65	28	1	..
Beauchamp	0.12	.12	26	1	..
Belle Plain	0.24	.11	5	3	2.21
Bog	0.55	.55	28	1	..
Brixton Hill	N/A	..	..	..	..
Bull Head	N/A	..	..	..	..
Carlisle	0.33	.27	28	2	..
Chapelton	0.33	.23	25	3	1.97

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

Stations	January, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Clarendon Park J.G.R.	0.00	..	..	0	..
Colonel's Ridge	0.76	.26	19	5	..
Cottage	0.60	.60	28	1	1.27
Cotton Tree Gully	0.20	.20	28	1	..
Croft's Hill	1.32	.82	19	4	2.11
Crooked River	0.56	.21	25	5	1.70
DaCosta	0.48	.48	28	1	..
Douce Pennants	0.55	.21	19	3	..
Exeter	0.12	.12	28	1	1.81
Experiment	0.00	..	..	0	..
Frankfield	0.49	.22	21	3	1.92
Gibbons	0.38	.38	28	1	..
Glen Muir	0.56	.30	5	4	1.70
Grimmetts	0.64	.44	25	3	..
Hillside	0.65	.65	28	1	1.92
James Hill	1.00	.38	18	4	..
Kellits	0.95	.24	19	9	..
Knights	0.75	.75	28	1	..
May Pen	0.33	.12	5	3	1.45
Milk River	0.32	.14	25	3	1.73
Morelands	0.45	.45	28	1	2.03
Mumby	0.30	.30	28	1	..
Peckham, L. S.	0.72	.39	18	8	..
Pennants	0.71	.22	4	7	..
Pusey Hall	0.50	.50	28	1	..
Rock River	0.00	..	..	0	1.48
Salt Savannah	0.45	.45	28	1	..
Silent Hill	1.16	.68	8	3	..
Spaldings	1.52	.40	*18	7	2.71
Springfield	0.17	.17	25	1	2.20
Suttons, J. G. R.	N/A	..	..	..	1.93
Suttons, W. I. S. Coy.	0.39	.39	28	1	..
Teak Pen L. S.	0.00	..	..	0	..
Thompson Town	1.26	.44	19	5	..
Trout Hall	0.27	.21	20	4	1.52
Tweedside	1.12	.62	20	5	..
Manchester					
Alligator Pond	0.14	.14	27	1	1.39
Christiana	1.89	.50	18	6	2.31
Chudleigh	1.77	1.00	20	4	2.39
Cocoawalk L. S.	0.00	..	..	0	..
Craig Head	2.17	1.17	19	2	..
Dunkeld	0.30	.14	19	4	..
Garlogie	1.15	.75	26	4	..
Greenvale	0.35	.20	19	4	1.89
Grove Place	0.57	.17	19	9	..
Holmwood	1.68	.50	18	5	..
Hope, Spur Tree	0.16	.08	25	4	..
Kendal	0.12	.10	20	2	2.27
Mandeville	0.70	.33	21	3	3.08
Mandeville, (Manchester Hotel)	0.80	.23	25	10	..
Mile Gully	0.31	.20	19	4	..
New Forest, L. S.	0.00	..	..	0	..
Newport	0.00	..	..	0	2.71
Porus	0.00	..	..	0	..
Ramble L.S.	0.25	.25	27	1	..
Retrieve	0.60	.50	24	2	1.51
Stones Hope	0.75	.30	5	4	2.48
Williamsfield	0.30	.20	25	2	2.70

Stations	January, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Elizabeth					
Aberdeen	0.12	.06	19	3	..
Accompong	0.16	.16	21	1	..
Appleton	0.00	..	..	0	2.56
Balaclava	0.14	.14	20	1	1.82
Bartons	0.10	.10	12	1	..
Black River	0.10	.10	30	1	1.69
Braes River	0.00	..	..	0	..
Bull Savannah	0.13	.13	27	1	..
Elderslie	N/A	..	..	..	..
Fort Charles	0.00	..	..	0	1.47
Ginger Hill	0.16	.10	20	2	..
Gutters	0.00	..	..	0	..
Hodges Estate	0.47	.25	30	3	..
Holland Estate	0.42	.30	30	2	..
Hounslow	0.15	.15	29	1	..
Ipswich	0.22	.20	30	2	..
Lacovia	0.00	..	..	0	1.97
Lititz	0.00	..	..	0	..
Maggotty	0.19	.10	30	2	2.73
Malvern	0.15	.11	5	2	..
Middle Quarters	0.69	.50	30	4	..
Mount Charles	0.65	.40	30	3	..
Mulgrave	0.15	.10	19	2	..
Munro	0.52	.41	5	6	2.23
Myersville	0.00	..	..	0	..
Oxford L.S.	0.12	.05	20	3	..
Pedro Plains	0.17	.10	27	2	1.64
Quickstep	0.50	.25	8	3	..
Santa Cruz	0.00	..	..	0	2.48
Southfield	0.35	.20	29	2	..
Springfield	0.29	.12	19	3	..
Springvale	0.39	.21	30	4	..
Torrington	0.00	..	..	0	2.44
Treasure Beach	0.19	.19	7	1	..
Williamsfield	0.00	..	..	0	..
Windsor	0.40	.11	5	10	2.93
Yardley Chase	0.00	..	..	0	..
Westmoreland					
Albany	0.28	.16	30	3	..
Barham	0.32	.17	4	4	..

Stations	January, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Westmoreland, *contd.*					
Bath Pen	0.04	.04	19	1	..
Baulk	0.08	.08	20	1	..
Belle Isle	0.35	.21	4	4	1.91
Bethel Town	0.81	.35	20	3	2.95
Blue Castle	0.17	.10	19	4	..
Blue Fields	1.08	.61	30	3	2.92
Cornwall	0.12	.12	30	1	..
Darliston	0.24	.15	19	2	3.09
Fontabelle	0.42	.35	4	3	2.11
Friendship	0.18	.13	19	2	..
Frome	0.32	.28	4	3	..
Grange Hill	N/A	..	..	..	2.65
Kew Park	0.60	.40	4	4	2.22
Lamb's River	0.90	.40	2	4	..
Little London	0.43	.34	30	3	1.94
Masemure	0.18	.08	30	5	..
Meyersfield	0.30	.28	30	2	..
Midgham	0.38	.20	30	4	..
Mint	0.57	.26	30	6	..
Mount Eagle W.I.S.Co.	1.24	.57	30	7	..
Mount Eagle (P.W.D.)	1.02	.48	28	4	..
Mount Edgecombe	1.08	.92	30	4	2.18
Negril Pt. Lighthouse	1.56	1.38	30	6	1.78
New Market	3.21	2.26	30	6	2.71
Paul Island	0.06	.06	19	1	..
Petersfield	0.29	.11	20	3	..
Petersville	0.99	.70	30	4	2.54
Prospect	0.45	.30	31	2	..
Rat Trap	0.00	..	..	0	..
Retreat Estate	1.48	1.42	30	4	1.89
Retrieve	0.25	.20	30	3	..
Sav.-la-Mar	0.56	.56	30	1	1.72
Sheffield	1.33	.82	30	5	..
Shrewsbury	0.28	.10	29	4	..
St. Leonards	0.00	..	..	0	..
The Bog	N A	..	..	..	2.92
Water Works Farm	0.64	.27	29	5	2.47
Welch Pole	0.96	.30	6	4	..
Whithorn	0.00	..	..	0	2.65
Williamsfield	0.70	.30	2	3	..

N.A.—Not available.

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

The Island Rainfall

As outlined in the January 1946 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. Rainguages 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 gorund. 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 rainguages in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will b ecalled 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 th rainfall for Parishes and Island, cpmpared with the long term averages, and also gives the mean number of rain days on which measurable rain fall.

Comparative Table of Rainfall Means—January, 1949

Parish	Rainfall for January, 1949			Total Rainfall, 1948	
	Actual	Average	Raindays	Actual	Average
Hanover	0.76	2.96	4.3	75.17	81.19
St. James	1.91	2.39	8.4	66.55	65.01
Trelawny	2.52	2.94	8.6	54.15	65.15
St. Ann	4.61	4.40	13.3	45.96	64.54
St. Mary	6.89	6.17	16.3	46.34	84.27
Portland	9.30	10.26	18.9	96.54	145.40
St. Thomas	3.44	3.56	11.5	70.35	83.69
Kingston and St. Andrew	1.17	2.12	5.8	51.23	69.10
St. Catherine	1.18	2.36	4.1	47.94	64.87
Clarendon	0.53	1.88	2.7	48.05	64.50
Manchester	0.67	2.48	3.4	54.54	73.02
St. Elizabeth	0.19	2.06	1.8	68.60	69.91
Westmoreland	0.60	2.46	3.2	81.13	88.42
The Island	(a) 2.58 (b)	3.34 "70-Yr." Av. 3.87	7.7 "45-Yr." Av. 8.2	62.11	75.07 "70-Yr." Av. 77.12

Note:—
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 menas 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 January Rainfall

The mean Parish rainfall of 2.58 inches was 77% of the average January rainfall over the past 20 years. The wettest Parishes extended from St. James to Portland and St. Thomas, the average of these Parishes being about 5% below normal. The remaining Parishes had only 31% of the normal rainfall, the driest Parish being St. Elizabeth with less than a tenth of the normal.

Although Portland was the wettest Parish on average, the Station with the highest monthly total was Fort Stewart Land Settlement in St. Mary with 22.75 inches but this was closely followed by Shrewsbury in Portland with 21.11 inches. Fort Stewart reported only one day without rain and Shrewsbury two days without rain during the month.

The highest daily total was experienced at Mill Bank in the Parish of Portland on the 3rd when 3.50 inches fell. The next highest was 3.06 inches on 20th at Fort Stewart Land Settlenent

Northers

Between the evening of the 18th and the morning of the 19th a slight norther set in across the Island and during the next few days most of the exposed stations recorded moderate falls of rain.

Earthquakes

Date	Time	Intensity	Where felt
15th	1.35 p.m.	Slight	Munro College, St. Elizabeth
20th	7.25 p.m.	"	Mount Cressy St. Andrew
	8.00 p.m.	"	Hill Gardens, Cinchona, St. Andrew

City of Kingston

The mean temperature for the month was 75.6°F., which was 0.2°F. below the 33-year average. The norther which set in on the 19th and continued for a few days did not lower the temperatures appreciably.

The month was exceptionally dry with only 17% of the normal rainfall for the time of the year. Central Kingston reported no measurable rain for the whole month.

There was a complete absence of thundery activity during the month.

Lunar coronae were observed at Palisadoes on two occasions.

British Carribbean Meteorological Service,
Palisadoes,
Kingston, Jamaica, B.W.I.
16th January, 1953.

c.2

MAR 17 1949

No. 873

JAMAICA
WEATHER REPORT

FOR THE MONTH OF
FEBRUARY, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs.
Castleton Gardens ..	496	..	..	65.6	80.1	..	82.5	61.8	20.7	85.3	11	59.9	*7	25.4	..
Grove Place A.C. ..	1460	..	..	64.8	77.6	..	81.8	58.7	23.1	86.1	26	53.1	10	33.0	7.07
Hill Gardens ..	4900	..	..	55.1	64.3	..	68.6	53.0	15.6	71.0	*18	51.3	*25	19.7	..
Hope Laboratory ..	668	..	..	65.6	85.1	..	88.8	62.8	26.0	91.2	2	58.5	25	32.7	7.03
Kingston ..	80	..	..	69.7	85.4	..	87.5	67.4	20.1	90.3	17	65.0	17	25.3	..
Lorrimers ..	2700	..	..	62.8	..	..	76.5	58.3	18.2	82.0	10	53.0	*26	29.0	..
Morant Pt. Light Hs. ..	8	30.033	30.036	76.1	81.0	76.9	83.2	73.8	9.4	88.0	21	63.0	28	25.0	..
Negril Pt. Light Hs. ..	33	30.018	30.009	69.3	85.4	76.3	85.3	65.9	19.4	87.0	*1	62.0	10	25.0	..
Orange River Ex. St.	450	..	..	67.2	77.9	..	81.4	63.5	17.9	84.8	9	57.4	6	27.4	7.23
Palisadoes Airport ..	19	30.032	30.020	72.8	83.3	78.9	84.9	71.6	13.3	89.0	8	70.0	*10	19.0	8.97

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.†		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	63	88	74	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	61	87	63	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	57	85	51	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	63	91	65	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	67	91	69	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers ..	61	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	69	81	76	86	72	84	NE	11	NE	10	NE	13	4.6	4.7	4.4	4.4	3.0	3.0
Negril Pt. Light Hs.	65	87	68	61	68	77	E	3	S	10	NE	5	1.3	1.8	3.2	3.3	4.1	4.4
Orange River Ex. St.	65	93	68	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	66	80	68	60	67	67	N	5	SE	13	E	11	1.9	2.4	2.1	2.8	1.5	1.8

*And on other days. †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

The Rainfall is measured at 7 a.m and recorded, by convention, as having fallen on the previous day.

Stations	February, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish	2.76	1.80	7	3	3.20
Blenheim	0.82	.41	7	4	..
Blue Hole	0.06	.06	7	1	2.97
Cascade	1.20	.80	20	2	..
Copse	0.00	..	..	0	2.18
Cousin's Cove	0.86	.35	20	8	2.42
Green Island	1.30	.65	20	4	2.24
Green River	0.90	.70	7	2	..
Haughton Court, A.C.	0.40	.30	7	2	2.10
Haughton Grove	0.41	.25	7	2	3.02
Haughton Hall	1.03	.53	7	6	2.17
Hopewell	0.15	.11	12	2	..
Kendal	1.68	1.00	20	3	..
Kingsvale	0.90	.49	20	3	2.49
Lucea	0.39	.39	7	1	2.22
Retirement	2.80	1.40	7	3	..
Santoy, L.S.	1.21	.58	7	3	..
Shettlewood	0.05	.05	18	1	..
St. James					
Adelphi	0.68	.50	13	2	..
Anchovy	0.00	..	..	0	1.37
Cambridge	0.58	.43	20	2	2.98
Catadupa	1.17	.36	20	5	3.23
Cinnamon Hill	0.23	.15	16	2	3.27
Cornwall Works	0.15	.15	16	1	..
Friendship	0.76	.35	12	4	2.52
Irwin, A.C.	0.85	.35	13	5	1.45
John's Hall	0.59	.59	14	1	..
Kempshot	0.71	.45	12	6	2.75
Lapland	1.24	.38	20	5	..
Latium, L.S.	0.80	.56	12	2	2.43
Maldon	0.21	.13	13	2	..
Mocho	0.93	.32	18	4	3.34
Montego Bay	0.29	.29	12	1	1.82
Montpelier	0.41	.27	18	5	1.95
Retirement	0.40	.30	14	2	2.19
Richmond Hill	0.45	.35	17	2	..
Rose Hall	0.37	.25	16	2	2.26
Running Gut	0.26	.26	16	1	2.07
Spring Estate	0.20	.20	16	1	2.41
Success	0.14	.14	16	1	2.13
Sweetwater	0.96	.45	7	4	..
Tryall	0.17	.17	16	1	1.57
Vaughansfield	1.16	.62	21	3	..
Windsor Lodge	0.95	.50	12	2	..

Stations	February, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Trelawny	Ins.	Ins.			Ins.
Albert Town	0.00	..	..	0	2.92
Arcadia	1.05	.40	21	5	2.51
Clark's Town	1.84	.63	12	6	2.41
Duncans	0.12	.12	16	1	1.66
Falmouth	0.37	.20	20	5	1.85
Harmony Hall	0.42	.18	20	4	2.30
Hyde and Gibraltar	1.38	.97	9	2	..
Litchfield	0.22	.11	12	3	..
Lorrimers	0.26	.15	18	4	..
Reserve Pen, L.S.	0.50	.40	9	2	..
Stewart Town	1.03	.46	11	4	..
Troy	0.57	.57	4	1	3.22
Troy, L.S.	0.28	.28	4	1	..
Ulster Spring	0.00	..	..	0	3.31
Vale Royal	0.78	.30	11	3	2.50
Wait-a-bit	0.16	.10	12	2	..
Wakefield	0.85	.55	12	2	2.25
Warsop	0.00	..	..	0	3.09
St. Ann					
Alexandria	0.50	.30	16	2	2.38
Armadale	0.00	..	..	0	..
Averham Park	2.15	.70	13	9	4.43
Bel-Air	0.85	.45	2	5	2.79
Beverley, L.S.	0.98	.25	12	9	..
Brown's Town	2.61	.91	11	6	4.13
Cave Valley	0.18	.13	12	2	2.05
Chippenham Park	4.17	.88	11	14	..
Claremont	0.31	.14	7	4	4.01
Cuffie Ridge	0.45	.26	16	2	..
Eltham	0.84	.47	3	3	..
Exchange	1.38	.91	3	3	..
Greenock	0.20	.14	12	2	..
Home Castle	2.24	1.67	13	2	3.19
Knapdale	3.39	.96	11	8	4.57
Liberty Hill	1.02	.52	2	10	4.07
Moneague	1.24	.47	16	5	3.89
New Ground A.C.	1.64	.75	3	6	..
Ocho Rios	0.91	.41	22	4	3.55
Richmond Estate	0.93	.53	2	4	3.80
Richmond Pen, L.S.	0.30	.15	16	3	..
Rio Hoe	1.94	.40	12	12	3.87
Rockfield	2.80	.86	2	13	5.06
Runaway Bay	0.39	.11	20	4	2.03
Rural Retreat	0.85	.20	*12	6	..
St. Ann's Bay	0.77	.41	2	4	4.40
Stepney	0.00	..	..	0	..
Thatchfield, L.S.	3.02	.61	20	9	..
Unity	1.03	.32	21	8	3.56
Watt Town	0.00	..	..	0	2.18
Wilton	0.94	.30	12	6	..

Stations	February, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Mary	Ins.	Ins.			Ins.
Agualta Vale	1.90	1.16	2	8	5.09
Castleton Gardens	8.47	3.10	12	13	5.49
Devon Pen, L.S.	8.17	2.35	3	10	..
Dover, G.I.C.F	3.08	1.38	2	12	..
Dover, L.S.	3.59	.43	*17	16	5.30
Enfield	10.81	2.69	3	10	7.80
Fort Stewart	4.55	2.00	2	11	..
Fort Stewart, L.S.	8.56	3.27	2	15	..
Gibraltar	1.66	.80	2	6	..
Golden Grove, East	2.08	1.20	2	12	..
Gray's Inn Cen. Fact.	2.95	1.31	2	13	..
Guy's Hill	3.80	.75	21	17	4.42
Hampstead	5.27	2.50	2	12	6.15
Highgate	7.46	2.80	3	15	..
Iter Boreale	2.00	.90	2	6	..
Jack's River	1.20	.40	15	6	..
Lady Hole	3.00	1.20	2	7	..
Lower Esher	4.60	3.00	2	7	..
Lucky Hill	4.71	1.25	3	13	4.98
Lucky Hill Pen	3.20	.77	2	7	..
Newry	1.86	1.05	2	9	..
Nutfield, A.C.	3.00	2.00	2	7	..
Oracabessa	1.10	.52	18	5	4.38
Orange River	4.27	1.74	3	10	..
Platfield	2.37	.80	4	8	..
Port Maria	0.28	.12	14	4	4.81
Prospect Estate	0.71	.29	14	3	..
Quebec	2.28	.52	22	8	4.33
Retreat	1.12	.30	4	10	..
Richmond	4.15	1.50	2	11	4.59
Warwick	5.03	1.65	3	10	..
Water Valley	3.32	1.75	2	8	4.93
Western St. Mary	6.49	2.60	2	12	..
Windsor Castle	5.75	1.48	3	19	5.87
Portland					
Balcarres	12.31	2.40	12	14	10.40
Belle Vue	8.62	3.65	3	12	..
Belvedere	6.51	2.72	2	10	8.39
Boundbrook, L.S.	1.85	.95	12	6	..
Bruton Hall	7.81	2.00	12	11	..
Buff Bay	2.49	1.06	2	12	7.13
Bybrook	9.80	2.00	2	11	..
Caenwood,	2.03	.52	2	14	..
Castle Comfort	1.26	.20	17	11	..
Cedar Hurst	3.12	1.16	13	14	5.91
Chepstowe	12.67	3.00	2	15	..
Darley	1.41	.26	14	17	..
Ecclesdown	2.07	1.35	1	8	..
Fellowship	3.59	.69	13	14	9.46
Fruitful Vale	9.96	1.73	12	12	..
Hope Bay	1.88	.55	2	8	5.40
Hopewell	2.49	.80	2	11	..
Lennox	2.04	.30	1	11	6.88
Manchioneal	0.71	.39	7	3	4.83
Mill Bank	9.43	1.44	12	13	2.23
Moore Town	5.52	.98	22	15	12.65
Mt. Holstein	6.22	3.96	13	10	8.49
Mt. Pleasant	1.04	.39	7	4	..
Passley Garden	2.45	..	..	..	4.90
Plum Valley	5.29	2.74	2	14	..

Stations	February, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Port Antonio	1.13	.20	13	9	5.80
Priestman's River	2.43	.37	14	12	4.19
Shrewsbury	12.47	1.67	14	25	10.42
Spring Garden	2.49	1.06	2	12	5.73
Tom's Hope	3.04	.80	1	16	..
Windsor, A.C.	3.85	1.00	7	16	..
St. Thomas					
Barrett's Gap	1.63	.45	4	8	..
Bath	2.36	.58	14	8	4.38
Bowden Pen	7.13	1.08	2	14	..
Cedar Valley	0.70	.15	7	7	2.58
Citron Valley, L.S.	0.62	.52	14	2	..
Clifton Hill	1.30	.40	14	5	..
Coley	0.47	.37	15	2	2.33
Duckenfield	1.21	.24	7	11	..
Easington	0.84	.18	19	8	1.28
East Prospect	N/A	..	..	..	2.29
Golden Grove, J.S.E.	1.45	.41	1	8	..
Llandewey	0.19	.10	4	2	..
Lloyds	0.06	.04	12	2	..
Lyssons, L.S.	0.54	.25	12	3	..
Morant Bay	1.64	.65	1	6	1.82
Morant Point Light Hs.	1.42	.38	14	8	2.74
Mt. Mansfield	2.97	.75	20	9	..
Norris	0.84	.18	19	8	..
Plantain Garden River	2.50	.60	1	13	..
Pleasant Hill	1.90	.40	*7	10	2.60
Rowlandsfield, L.S.	2.81	.55	4	13	..
Seaforth	1.18	.45	19	8	..
Spanishwood	1.31	.35	6	9	..
Sunning Hill, L.S.	2.56	.67	19	10	..
Wheelerfield	1.97	.50	1	12	..
Yallahs	1.27	.36	4	6	1.21
Kingston and St. Andrew					
Bamboo Avenue	0.00	..	..	0	..
Brandon Hill	2.05	1.05	12	3	..
Cavaliers	0.07	.07	14	1	..
Clifton Pen	0.00	..	..	0	0.79
Constant Spring, F.P.	0.16	.06	12	4	..
Constant Spring, Ch. Rd.	0.17	.09	7	2	..
Dallas Castle	0.00	..	..	0	2.27
Fort George	0.20	.10	12	5	..
Golden Spring	0.47	.35	12	2	..
Gordon Town	0.11	.08	13	2	1.83
Grey Weathers	0.21	.14	12	3	..
Guava Ridge	0.19	.10	10	3	2.11
Halfway Tree	0.00	..	..	0	0.96
Harbour Head	0.00	..	..	0	..
Hardware Gap, P.W.D.	1.94	.65	12	5	4.23
Hermitage	0.25	.13	12	4	2.82
Hill Gardens	2.19	.75	12	15	4.22
Hope Farm Ag. Stn.	0.00	..	..	0	1.30
Hope Laboratory	0.00	..	..	0	..
Hope Waterworks	0.04	.04	14	1	..
Irish Town	0.21	.16	13	2	1.83
Iver	0.12	.07	16	2	..
King's House Gardens	0.13	.05	13	3	1.25

*And on other days.

Stations	February, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Langley	2.56	1.09	12	5	..
Lawrence Tavern	0.74	.31	11	3	2.48
Mavis Bank	0.19	.08	12	3	2.11
Mount Airy	2.77	1.29	12	3	..
Mount Cressy	8.68	3.30	12	14	..
Mount Salus	0.00	..	..	0	..
Newcastle	0.75	.71	14	2	..
Penfield Water Works	0.10	.10	13	1	..
Red Hills	0.00	..	..	0	2.19
Rose Hill	0.56	.22	12	5	3.97
Sea View F.P.	0.17	.09	13	2	..
Shortwood College	0.08	.05	4	4	..
Stony Hill	0.16	.16	12	1	2.30
Twickenham Pen	0.00	..	..	0	..
Up Park Camp	0.12	.12	14	1	..
Kingston					
Kingston P.W.O.	0.00	..	..	0	0.53
Palisadoes	0.02	.02	1	1	..
Parade Gardens	0.00	..	..	0	..
Plumb Pt. Lighthouse	0.00	..	..	0	0.62
St. George's College	0.00	..	..	0	..
Upper Kingston	0.02	.02	14	1	0.83
St. Catherine					
Above Rocks	0.94	.45	7	4	..
Barry & Lloyds, L.S.	2.60	1.60	3	4	..
Bellas Gate	1.36	.45	20	4	1.70
Bodles	1.55	.93	3	3	..
Bog Walk	1.05	.75	4	3	1.68
Brown's Hall	1.75	.44	19	9	2.18
Carew Castle	0.97	.43	13	3	2.14
Ewarton	0.20	.20	19	1	..
Ginger Ridge	0.79	.17	20	9	..
Glengoffe	1.81	.60	12	5	..
Grove Farm, A.C.	1.04	.50	13	3	..
Guanaboa Vale	N/A	..	..	..	2.42
Headworks	0.28	.11	20	3	1.62
Hematine	0.05	.05	14	1	1.46
Hog Hole	0.51	.39	14	2	1.80
Knollis	0.99	.71	6	3	1.67
Linstead	0.53	.28	16	3	2.16
Old Harbour	1.78	.92	3	6	1.93
Pear Tree Grove	1.22	.60	21	3	3.94
Point Hill	1.86	.55	12	8	3.20
Quarantine Station	0.01	.01	20	1	0.53
Rio Magno	1.18	.62	17	3	3.05
Riversdale	0.85	.35	12	3	2.18
Sligoville	2.25	1.47	4	9	2.53
Spanish Town	0.05	.05	14	1	1.36
Troja	1.65	.60	23	4	4.05
Troja, L.S.	2.09	.90	13	5	..
Tulloch Estate	1.77	1.35	4	3	..
Twickenham, A.C.	0.00	..	..	0	..
Worthy Park	1.14	.34	13	5	1.89
Clarendon					
Amity Hall	1.52	.67	13	4	..
Beauchamp	0.66	.35	13	3	..
Belle Plain	1.38	.70	7	4	2.57
Bog	0.67	.37	1	2	..
Brixton Hill	N/A	..	..	..	..

Stations	February, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Bull Head	N/A	..	..	..	..
Carlisle	1.36	.48	13	6	..
Chapelton	0.00	..	..	0	1.68
Clarendon Park, J.G.R	0.77	.25	20	3	..
Colonel's Ridge	1.03	.50	4	5	..
Cottage	1.80	.45	13	6	1.97
Cotton Tree Gully	0.43	.35	1	2	..
Croft's Hill	0.69	.38	16	3	1.92
Crooked River	0.74	.39	18	4	2.18
DaCosta	1.49	.85	13	3	..
Douce Pennants	0.74	.56	18	3	..
Exeter	0.43	.18	13	3	1.13
Experiment	1.13	.45	13	5	..
Frankfield	0.59	.24	16	4	2.56
Gibbons	0.60	.40	1	2	..
Glen Muir	1.00	.30	14	5	1.34
Grimmetts	0.23	.23	13	1	..
Hillside	1.45	.44	1	5	1.72
James Hill	0.70	.25	17	4	..
Kellits	0.71	.32	16	5	..
Knights	0.42	.21	1	4	..
May Pen	1.47	.56	3	6	1.80
Milk River	0.26	.15	3	2	1.39
Morelands	2.35	.75	21	4	1.82
Mumby	0.88	.36	1	4	..
Peckham, L.S.	0.43	.18	18	4	..
Pennants	0.43	.25	18	4	..
Pusey Hall	1.95	.75	13	4	..
Rock River	0.00	..	..	0	1.69
Salt Savannah	1.56	.80	13	5	..
Silent Hill	0.00	..	..	0	..
Spaldings	0.91	.43	12	5	3.39
Springfield	0.20	.20	13	1	1.53
Suttons, J.G.R.	0.00	..	..	0	2.73
Suttons, W.I.S.C	0.99	.42	13	4	..
Teak Pen, L.S.	0.73	.39	20	5	..
Thompson Town	0.33	.28	11	2	..
Trout Hall	0.33	.22	18	3	1.70
Tweedside	0.37	.13	*18	3	..
Manchester					
Alligator Pond	0.12	.12	14	1	1.40
Christiana	1.14	.57	12	3	2.80
Chudleigh	1.05	.55	12	3	3.10
Cocoawalk, L.S.	0.00	..	..	0	..
Craig Head	0.00	..	..	0	..
Dunkeld	0.44	.20	12	3	..
Garlogie	0.91	.40	12	5	..
Greenvale	0.14	.08	13	2	3.26
Grove Place	0.52	.29	12	4	..
Holmwood	0.88	.42	12	3	..
Hope, (Spur Tree)	0.67	.21	12	6	..
Kendal	0.28	.11	12	3	2.78
Mandeville	0.59	.30	28	3	2.82
Mandeville (Manch. Hot)	0.60	.20	28	10	..
Mile Gully	0.15	.15	12	1	..
New Forest, L.S.	0.10	.05	*12	2	..
Newport	0.69	.27	11	4	2.71
Porus	0.00	..	..	0	..
Ramble	0.80	.40	14	3	..
Retrieve	1.10	.50	14	3	1.74
Stones Hope	1.03	.40	13	5	2.32
Williamsfield	0.25	.10	*7	3	3.84

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

Stations	February, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	0.66	.47	4	4	..
Accompong ..	1.22	.64	5	3	..
Appleton	0.56	.43	4	3	2.77
Balaclava	0.10	.10	28	1	2.86
Bartons	1.22	1.10	6	2	..
Black River ..	0.92	.92	4	1	1.73
Braes River ..	0.60	.60	3	1	..
Bull Savannah ..	0.00	..	..	0	..
Fort Charles ..	0.00	..	..	0	1.69
Ginger Hill ..	0.49	.19	18	4	..
Gutters	0.00	..	..	0	..
Hodges Estate ..	1.06	.70	4	5	..
Holland Estate ..	1.50	1.05	3	2	..
Hounslow	0.27	.15	21	2	..
Ipswich	0.38	.16	18	3	..
Lacovia	1.36	1.36	4	1	3.91
Lititz	0.00	0	..	0	..
Maggotty	0.89	.40	4	4	3.55
Malvern	0.28	.14	20	3	..
Middle Quarters ..	1.45	1.02	3	3	..
Mount Charles ..	1.43	1.03	4	2	..
Mulgrave	0.62	.35	5	4	..
Munro	0.96	.55	3	10	2.12
Myersville	0.00	..	..	0	..
Oxford L. S. ..	0.21	.21	28	1	..
Pedro Plains ..	0.22	.22	22	1	1.38
Quickstep	0.60	.25	16	3	..
Santa Cruz ..	1.35	1.27	3	2	2.77
Southfield	0.47	.25	14	3	..
Springfield	1.52	.65	3	4	..
Springvale	3.01	1.68	4	5	..
Torrington ..	0.10	.10	10	1	2.46
Treasure Beach ..	0.53	.34	13	2	..
Williamsfield ..	0.00	..	..	0	..
Windsor	0.28	.06	12	5	3.39
Yardley Chase ..	0.40	.40	23	1	..

Stations	February, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland	Ins.	Ins.			Ins.
Albany	3.66	1.40	18	6	..
Barham	1.87	.86	16	6	..
Bath Pen	0.00	..	..	0	..
Baulk	1.37	.75	5	4	..
Belle Isle	2.30	1.02	4	8	2.37
Bethel Town ..	0.20	.20	7	1	3.90
Blue Castle ..	0.50	.16	14	6	..
Bluefields	0.84	.68	3	3	3.59
Cornwall	0.21	.11	18	2	..
Darliston	0.42	.30	7	2	3.80
Fontabelle	1.00	.43	4	7	2.55
Friendship	1.67	.87	4	6	..
Frome	1.01	.41	4	7	..
Kew Park	0.88	.55	7	5	2.86
Lamb's River ..	1.02	.75	7	4	..
Little London ..	2.83	.85	18	5	2.81
Masemure	1.94	.70	18	8	..
Meyersfield ..	3.18	1.68	18	6	..
Midgham	1.68	.38	4	8	..
Mint	2.06	1.12	4	6	..
Mount Eagle ..	1.51	.34	4	8	..
Mount Eagle (P.W.D.)	1.71	.50	4	7	..
Mount Edgecombe ..	0.93	.82	3	4	2.47
Negril Point L.H. ..	2.27	1.38	18	8	1.77
New Market ..	1.36	1.16	28	3	3.84
Paul Island ..	2.65	1.15	4	6	..
Petersfield	0.53	.36	7	4	2.99
Petersville	2.45	2.10	4	4	..
Prospect	0.16	.08	8	3	..
Rat Trap	0.00	..	..	0	..
Retreat Estate ..	2.06	.16	18	7	2.51
Retrieve	2.44	.98	18	8	..
Sav.-la-Mar ..	0.00	..	..	0	2.15
Sheffield	2.43	.73	15	7	..
Shrewsbury ..	0.81	.45	7	6	..
St. Leonard's ..	0.00	..	..	0	..
The Bog	N/A	..	..	..	4.05
Water Works Farm ..	1.26	.75	3	4	3.23
Welch Pole ..	0.80	.60	7	2	..
Whithorn	0.00	..	..	0	2.95
Williamsfield ..	1.10	.60	3	4	..

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

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

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 rainfalling 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 given the mean number of rain days on which measurable rain fell. The total rainfall for the first 2 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—February, 1949

Parish	Rainfall for February			Rainfall, Jan.–Feb.	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	0.94	2.29	2.8	1.70	5.24
St. James	0.56	2.36	2.5	2.47	4.75
Trelawny	0.55	2.79	2.5	3.07	5.73
St. Ann	1.23	3.57	5.3	5.84	7.97
St. Mary	3.91	4.73	10.0	10.80	10.90
Portland	4.77	8.14	12.0	14.07	18.40
St. Thomas	1.63	2.67	7.7	5.07	6.23
Kingston and St. Andrew ..	0.58	2.71	2.4	1.75	4.83
St. Catherine	1.11	2.42	3.8	2.29	4.78
Clarendon	0.80	2.37	3.4	1.33	4.25
Manchester	0.48	3.08	3.0	1.15	5.56
St. Elizabeth	0.68	3.03	2.4	0.87	5.09
Westmoreland	1.33	2.92	4.6	1.93	5.38
The Island	1.47	3.13 "70-Year"† 3.21	4.8 "45-Year"	4.05	6.47 "70-Year" 7.21

†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 February Rainfall

The wettest Parishes were located in the extreme east of the Island, but the average for these was only two-thirds of the 20-year average. The remaining Parishes were very dry, five of them receiving less than 25% of the normal rainfall. The Island mean was 47% of the normal for the time of the year.

The Island aggregate for January and February was well below normal with a figure of 63%. St. Mary was the only Parish to approach the normal although Portland had by far the greatest rainfall since the beginning of the year.

The greatest total rainfall for the month was recorded at Chepstowe in the Parish of Portland with 12.67 inches. Balcarres in the same Parish was close behind with 12.31 inches.

The greatest daily falls also occurred in the Parish of Portland with Mount Holstein recording 3.96 inches and Belle Vue 3.65 inches.

Earthquakes

Date	Time	Intensity	Where felt etc.
16th	11.25 p.m.	Slight	Mount Cressy, St. Andrew.

City of Kingston

The mean temperature for the month was 77.0° F. compared with the average of 76.8° F., the days being slightly warmer than usual and the nights somewhat cooler. The highest maximum and the lowest minimum for the month showed very little departure from the values to be expected during February.

Apart from light showers on the 1st and 14th no appreciable rain fell within the City boundaries during the month.

At Palisadoes thunder was heard on the 10th.

Lunar coronae were observed on 3 occasions.

NORTHERS

NH

British Caribbean Meteorological Service
Palisadoes,
Kingston, Jamaica, B.W.I.
16th January, 1953.

c.3

MAR 17 1950
WEATHER BUREAU

No. 874

JAMAICA
WEATHER REPORT

FOR THE MONTH OF
MARCH, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures						Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	Hrs.
Castleton Gardens	496	..	..	64.6	79.6	..	83.0	61.0	22.0	85.5	*9	57.5	11	28.0	..
Grove Place A.C.	1460	..	..	60.9	77.0	..	82.9	57.4	25.5	85.7	2	51.0	11	34.7	6.97
Hill Gardens	4900	..	..	56.2	63.0	..	68.0	53.9	14.1	72.0	*16	49.3	9	22.7	..
Hope Laboratory	668	..	..	66.5	84.1	..	88.8	63.5	25.3	92.3	18	58.0	8	34.3	7.43
Kingston	80	..	..	71.1	83.8	..	87.3	69.1	18.2	91.0	18	65.0	11	26.0	..
Lorrimers	2700	..	..	63.3	..	..	79.7	57.7	22.0	82.0	*9	51.0	10	31.0	..
Morant Pt. Light Hs.	8	29.966	29.971	74.5	82.0	77.4	84.1	71.3	12.8	86.0	15	59.0	11	27.0	..
Negril Pt. Light Hs.	33	29.953	29.949	70.9	83.6	76.6	85.3	66.8	18.5	88.0	*15	60.0	9	28.0	..
Orange River Ex. St.	450	..	..	65.2	78.9	..	82.6	62.4	20.2	84.0	*2	52.9	10	31.1	8.50
Palisadoes Airport	19	29.967	29.961	73.8	83.1	79.3	84.5	72.5	12.0	86.0	*13	69.0	11	17.0	9.02

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m. †		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	62	89	74	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	60	97	64	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	50	83	59	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	64	90	66	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	65	80	69	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	61	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	69	83	72	71	70	80	NE	9	NE	10	NE	12	3.9	4.4	2.9	3.5	2.5	2.9
Negril Pt. Light H.	66	86	68	59	69	77	NE	3	N	11	NE	6	1.2	2.2	2.3	2.6	3.0	4.0
Orange River Ex. St.	64	96	69	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	67	78	69	62	68	69	N	4	S	11	SE	10	1.1	1.6	1.9	2.7	1.4	2.3

*And on other days

†Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

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

Stations	March, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	4.03	1.83	18	5	3.98
Blenheim	0.85	.36	24	5	..
Blue Hole	1.37	1.00	18	4	2.59
Cascade	4.27	1.32	18	9	..
Copse	4.34	3.07	18	7	3.16
Cousin's Cove	0.48	0.21	24	4	3.32
Green Island	2.26	0.43	26	8	3.39
Green River	3.47	1.17	26	8	..
Haughton Court A. C.	1.91	1.07	24	4	2.30
Haughton Grove	4.45	1.35	24	9	6.30
Haughton Hall	1.95	1.04	24	5	2.70
Hopewell	3.33	2.30	18	5	..
Kendal	2.83	0.68	26	7	..
Kingsvale	0.93	0.48	26	5	3.64
Lucea	1.68	0.86	18	4	2.42
Retirement	3.09	.65	26	7	..
Santoy L. S.	3.61	1.60	24	5	..
Shettlewood	3.77	1.50	18	10	..
St. James					
Adelphi	0.75	.65	27	2	..
Anchovy	1.61	.68	18	4	2.01
Cambridge	6.70	1.75	18	12	4.39
Catadupa	6.94	1.25	1	16	3.96
Cinnamon Hill	1.33	0.72	22	3	1.34
Cornwall Works	0.84	0.41	17	4	..
Friendship	0.13	0.08	27	2	2.26
Irwin A. C.	0.45	.24	27	3	2.10
John's Hall	0.41	.41	16	1	..
Kempshot	0.32	0.13	24	6	3.02
Lapland	8.03	1.40	1	15	..
Latium L. S.	0.51	.24	24	3	2.83
Maldon	6.24	2.09	23	4	..
Mocho	4.67	1.48	22	9	5.22
Montego Bay	1.19	0.64	21	4	1.67
Montpelier	5.89	4.61	18	7	2.55
Retirement	0.25	.20	18	2	2.89
Richmond Hill	3.57	1.60	18	6	..
Rose Hall	1.51	0.56	17	5	1.73
Running Gut	0.65	0.32	17	3	1.64
Spring Estate	0.34	0.34	17	1	1.52
Success	1.15	.50	22	4	1.81
Sweetwater	4.04	.95	22	13	..
Tryall	0.97	.72	17	2	1.67
Vaughansfield	4.57	1.26	23	8	..
Windsor Lodge	0.57	.26	24	3	..

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

Stations	March, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Trelawny					
Albert Town	7.30	2.20	23	9	3.82
Arcadia	1.25	.50	22	4	2.15
Clark's Town	0.50	.34	23	3	2.37
Duncans	1.42	.90	22	6	2.40
Falmouth	0.46	.30	22	4	1.77
Harmony Hall	0.61	.22	22	6	2.17
Hyde and Gibraltar	0.49	.43	22	2	..
Lichfield	6.83	1.70	31	11	..
Lorrimers	6.12	1.88	3	12	..
Reserve Pen, L.S.	0.00	..	..	0	..
Stewart Town	2.28	.87	22	7	..
Troy	10.57	1.78	2	14	5.47
Troy Land Settlement	9.97	1.84	2	16	..
Ulster Spring	4.90	1.85	31	9	3.96
Vale Royal	0.39	.25	23	2	2.33
Wait-a-bit	6.32	1.51	31	14	..
Wakefield	2.00	1.00	24	6	2.18
Warsop	7.19	2.37	23	13	2.64
St. Ann					
Alexandria	3.87	1.45	31	5	2.22
Armadale	4.21	1.61	31	6	..
Averham Park	1.44	.81	22	6	3.57
Bel-Air	0.90	.35	17	5	4.20
Beverley L. S.	1.93	.46	17	7	..
Brown's Town	1.99	1.03	22	8	3.01
Cave Valley	2.78	1.13	22	5	2.57
Chippenham Park	0.93	.35	19	9	..
Claremont	0.90	.43	22	4	3.16
Cuffie Ridge	4.36	1.19	22	6	..
Eltham	1.20	.50	19	4	..
Exchange	0.00	..	..	0	..
Greenock	2.39	.79	22	6	..
Home Castle	0.98	.65	20	3	2.67
Knapdale	1.45	.55	19	6	3.63
Liberty Hill	0.75	.28	17	6	2.47
Moneague	0.63	.52	24	2	3.35
New Ground A. C.	0.74	.22	19	5	..
Ocho Rios	1.61	.40	19	7	2.79
Richmond Estate	1.01	.43	26	7	2.70
Richmond Pen, L.S.	2.50	1.04	31	5	..
Rio Hoe	1.05	.55	24	3	3.56
Rockfield	1.28	.30	19	7	3.40
Runaway Bay	0.47	.20	17	3	1.79
Rural Retreat	0.91	.32	19	5	..
St. Ann's Bay	0.98	.39	26	5	3.05
Stepney	0.00	..	..	0	..
Thatchfield L. S.	0.76	.60	22	3	..
Unity	0.61	.20	23	5	3.68
Watt Town	3.61	2.00	31	7	2.13
Wilton	0.42	.17	20	4	..
St. Mary					
Agualta Vale	2.25	1.43	16	9	4.23
Castleton Gardens	4.48	2.00	22	6	4.81
Devon Pen, L.S.	3.60	1.48	17	7	4.72
Dover G.I,C.F.	2.84	1.20	17	9	7.98
Dover L.S.	3.14	.94	20	7	..
Enfield	4.28	2.75	17	5	..
Fort Stewart	4.18	3.15	17	8	..

Stations	March, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Fort Stewart, L.S.	1.93	1.14	14	5	..
Gibraltar	0.66	.51	17	2	..
Golden Grove, East	1.40	0.75	17	4	..
Gray's Inn Cntl. Facty.	1.87	1.09	17	7	..
Guy's Hill	2.31	1.30	24	10	3.64
Hampstead	3.40	2.50	17	5	4.89
Highgate	2.33	1.53	18	7	..
Iter Boreale	1.82	1.27	17	5	..
Jack's River	1.38	0.33	16	8	..
Lady Hole	3.36	2.92	17	4	..
Lower Esher	2.63	2.00	18	9	..
Lucky Hill	1.48	1.15	17	4	3.29
Lucky Hill Pen	1.85	1.05	17	3	..
Newry	2.09	.99	17	9	..
Nutfield A. C.	1.80	1.00	17	4	..
Oracabessa	1.39	.43	18	6	4.01
Orange River	1.90	1.00	17	5	..
Platfield	1.83	.79	23	5	..
Port Maria	1.37	0.45	18	6	3.28
Prospect	0.66	.20	*20	4	..
Quebec	0.35	.20	21	3	3.40
Retreat	0.85	0.59	23	3	..
Richmond	1.53	0.71	24	6	3.92
Warwick	3.95	1.25	18	4	..
Water Valley	2.27	1.20	17	7	4.13
Western St. Mary	4.39	1.40	24	8	..
Windsor Castle	2.34	1.20	24	9	5.06
Portland					
Balcarres	6.67	3.60	17	9	6.06
Belle Vue	3.86	.82	19	7	..
Belvedere	3.64	2.39	16	5	6.53
Boundbrook, L.S.	3.31	1.34	23	10	..
Bruton Hall	5.51	1.25	19	10	..
Buff Bay	2.50	.86	21	6	4.94
Bybrook	5.15	1.52	18	10	..
Caenwood	4.14	1.72	21	12	..
Castle Comfort	3.67	1.30	19	8	..
Cedar Hurst	5.44	2.66	23	11	3.49
Chepstowe	4.57	1.15	17	12	..
Darley	3.91	.87	20	13	..
Ecclesdown	0.13	.13	23	1	..
Fellowship	5.06	1.10	23	12	6.72
Fruitful Vale	2.61	1.05	17	3	..
Hope Bay	2.60	.78	23	6	3.84
Hopewell	3.00	.75	23	9	..
Lennox	4.46	1.69	21	6	3.91
Manchioneal	1.32	.40	20	5	3.58
Mill Bank	7.85	2.28	23	12	10.33
Moore Town	7.23	2.00	23	11	10.13
Mount Holstein	5.70	2.30	23	7	6.68
Mount Pleasant	3.66	1.28	20	4	..
Passley Gardens	4.44	..	..	..	4.03
Plum Valley	5.07	1.53	22	10	..
Port Antonio	3.09	1.30	23	7	4.59
Priestman's River	2.68	.35	19	15	3.45
Shrewsbury	5.09	.97	21	11	8.23
Spring Garden	2.50	.86	21	6	4.58
Tom's Hope	2.52	.75	28	9	..
Windsor A. C.	6.34	1.50	23	13	..

*And on other days.

N.A. = Not available.

Stations	March, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	3.74	1.75	25	6	..
Bath	2.87	1.15	24	8	4.04
Bowden Pen	9.38	1.55	19	14	..
Cedar Valley	2.57	.75	24	9	2.71
Citron Valley L.S.	0.00	..	..	0	..
Clifton Hill	1.75	.55	24	9	..
Coley	1.60	.91	24	5	2.51
Duckenfield	1.41	.51	24	8	..
Easington	0.94	0.46	24	5	1.33
East Prospect	N/A	..	..	..	2.59
Golden Grove J. S. E.	1.32	.37	24	9	..
Llandewey	0.90	.30	22	5	..
Lloyds	1.30	.85	24	2	..
Lyssons L.S.	1.51	.59	24	5	..
Morant Bay	1.45	.60	24	4	1.80
Morant Pt. Lighthouse	1.77	.70	28	10	2.11
Mount Mansfield	3.56	.90	29	10	..
Norris	1.32	.96	24	5	..
Plantain Garden River	2.02	.62	24	11	2.78
Pleasant Hill	1.35	.40	24	8	..
Rowlandsfield L. S.	2.46	1.19	2	11	..
Seaforth	2.00	1.24	21	3	..
Spanishwood	1.50	.57	24	10	..
Sunning Hill L.S.	4.01	1.36	25	10	..
Wheelerfield	1.35	.29	2	10	..
Yallahs	0.51	.26	24	2	0.98
Kingston and St. Andrew					
Bamboo Avenue	1.55	.53	7	9	..
Brandon Hill	3.29	1.55	1	7	..
Cavaliers	0.76	.42	25	6	..
Clifton Pen	0.23	.08	19	4	1.02
Constant Spring F. P.	2.03	1.24	23	9	..
Constant Spring Ch. R.	3.12	1.20	30	8	..
Dallas Castle	2.32	2.32	27	1	1.64
Fort George	2.17	.77	23	9	..
Golden Spring	2.58	1.12	23	8	..
Gordon Town	3.51	1.26	25	12	1.65
Grey Weathers	2.28	.73	23	10	..
Guava Ridge	2.08	.58	27	7	1.71
Halfway Tree	0.00	..	..	0	0.93
Harbour Head	0.05	.05	29	1	..
Hardware Gap P.W.D.	3.58	1.45	23	8	4.08
Hermitage	2.85	.92	27	10	2.10
Hill Gardens	2.07	.47	22	14	4.32
Hope Farm Agr. Stn.	2.26	.84	5	8	1.96
Hope Laboratory	0.82	.27	25	9	..
Hope Water Works	1.69	.75	25	10	..
Irish Town	2.95	.95	28	7	1.94
Iver	2.91	1.13	22	6	..
King's House Gardens	1.56	.48	8	8	1.47
Langley	4.46	1.60	23	6	..
Lawrence Tavern	4.30	1.60	2	8	2.53
Mavis Bank	2.29	.53	3	10	1.71
Mount Airy	3.25	1.54	23	4	..
Mount Cressy	6.84	3.30	23	13	..
Mount Salus	1.90	1.30	23	3	..
Newcastle	2.47	.75	23	9	..
Penfield Water Works	2.83	.55	3	13	..
Red Hills	2.34	.65	30	10	2.31

Stations	March, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Rose Hill	2.79	.90	23	9	3.84
Seaview Filter Plant	2.71	1.13	27	10	..
Shortwood College	2.47	1.54	23	11	..
Stony Hill	2.21	.85	27	7	2.84
Twickenham Pen	0.14	.06	30	3	..
Up Park Camp	0.94	72	25	4	..
Kingston					
Kingston P. W. O.	0.42	.42	26	1	0.81
Palisadoes	0.29	.20	27	5	..
Parade Gardens	0.44	.37	25	4	..
Plumb Pt. Lighthouse	0.00	..	..	0	0.81
St. George's College	0.68	.42	25	5	..
Upper Kingston	0.94	.62	25	6	0.90
St. Catherine					
Above Rocks	4.18	.92	28	8	..
Barry and Lloyds L.S.	0.84	.55	28	2	..
Bellas Gate	5.87	2.95	27	8	2.25
Bodles A.C.	1.30	.61	5	6	..
Bog Walk	1.95	1.50	29	3	2.14
Brown's Hall	2.79	.95	22	9	4.35
Carew Castle	3.88	1.35	25	9	2.81
Ewarton	0.70	.70	21	1	..
Ginger Ridge	4.11	2.04	22	7	..
Glengoffe	3.73	1.47	25	6	..
Grove Farm A. C.	0.84	.57	23	2	..
Guanaboa Vale	N/A	..	..	..	3.01
Headworks	1.09	.42	29	7	2.76
Hematine	1.86	.57	16	10	1.54
Hog Hole	1.67	.47	25	7	2.16
Knollis	3.31	1.75	28	4	2.97
Linstead	2.24	1.62	28	2	3.00
Old Harbour	1.24	.56	5	6	2.36
Pear Tree Grove	1.01	1.01	24	1	3.80
Point Hill	1.65	.85	26	5	4.56
Quarantine Station	0.67	.52	29	3	0.62
Rio Magno	.74	.50	24	2	4.06
Riversdale	1.55	.80	28	5	2.80
Sligoville	4.50	1.50	29	10	3.49
Spanish Town	1.43	.43	25	10	1.92
Troja	1.55	.80	28	5	2.83
Troja, L. S.	0.00	..	..	0	..
Tulloch Estate	3.85	1.30	28	8	..
Twickenham A. C.	0.95	.55	20	2	..
Worthy Park	0.41	.27	22	3	2.85
Clarendon					
Amity Hall	0.61	.35	23	3	..
Beauchamp	0.28	.28	23	1	..
Belle Plain	2.65	.97	20	9	2.64
Bog	0.61	.34	23	3	..
Brixton Hill	N/A	..	..	..	..
Carlisle	0.92	.71	23	5	..
Chapelton	1.75	.59	29	6	2.65

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

Stations	March, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Clarendon Park J.G.R.	3.06	.80	21	8	..
Colonel's Ridge	1.67	.45	27	8	..
Cottage	1.16	.54	5	4	0.86
Cotton Tree Gully	0.65	.40	3	3	2.97
Croft's Hill	1.34	.50	22	4	2.13
Crooked River	1.91	.45	29	9	..
DaCosta	0.92	.50	5	2	..
Douce Pennants	1.99	.49	29	6	..
Exeter	0.64	.30	5	3	1.38
Experiment	0.26	.26	23	1	..
Frankfield	3.76	.90	3	9	2.30
Gibbons	0.42	.22	3	2	..
Glen Muir	2.07	.65	3	9	1.58
Grimmetts	0.75	.40	5	2	..
Hillside	1.01	.32	5	4	1.41
James Hill	2.12	.60	6	9	..
Kellits	3.47	1.84	3	8	..
Knights	0.49	0.41	23	3	..
May Pen	0.33	.13	*24	3	2.45
Milk River	1.09	.62	5	3	1.47
Morelands	0.25	.25	23	1	1.50
Mumby	0.65	.28	23	3	..
Peckham, L. S.	4.76	1.35	3	9	..
Pennants	1.69	.55	29	6	..
Pusey Hall	0.85	.40	*5	3	..
Rock River	1.51	.45	22	6	1.41
Salt Savannah	1.25	.95	23	2	..
Silent Hill	5.10	2.30	3	8	..
Spaldings	5.30	1.54	3	10	2.68
Springfield	0.54	.22	5	3	1.71
Suttons, J. G. R.	0.75	.38	21	2	2.74
Suttons, W. I. S. Coy.	0.41	.25	23	2	..
Teak Pen L. S.	2.27	.72	28	7	..
Thompson Town	5.73	1.25	20	12	..
Trout Hall	1.63	1.00	22	7	3.24
Tweedside	6.25	1.80	3	10	..
Manchester					
Alligator Pond	2.73	.84	20	7	1.67
Christiana	4.58	1.13	6	9	4.00
Chudleigh	2.06	.94	5	7	3.76
Cocoawalk L. S.	1.84	1.00	5	3	..
Craig Head	3.51	1.25	29	7	..
Dunkeld	6.01	1.80	5	12	..
Garlogie	12.97	3.23	5	11	..
Greenvale	5.21	1.86	3	8	3.43
Grove Place	6.01	1.80	5	11	..
Holmwood	5.83	1.48	5	10	..
Hope, Spur Tree	7.87	2.19	5	11	..
Kendal	4.28	1.85	5	10	3.24
Mandeville	6.20	1.73	5	11	3.89
Mandeville, (Manchester Hotel)	5.77	1.29	5	14	..
Mile Gully	5.35	2.00	3	7	..
New Forest, L. S.	3.53	1.04	5	7	..
Newport	3.50	.70	5	11	2.94
Porus	6.55	2.01	5	10	..
Ramble	5.81	1.40	5	8	..
Retrieve	4.13	2.50	5	4	1.97
Stones Hope	3.39	.94	6	7	2.64
Williamsfield	5.61	1.75	5	14	2.77

Stations	March, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Elizabeth					
Aberdeen	10.66	1.93	23	18	..
Accompong	9.18	1.39	25	14	..
Appleton	6.35	1.64	27	13	5.24
Balaclava	7.52	2.00	28	8	4.56
Bartons	7.29	2.57	27	13	..
Black River	4.20	1.30	15	9	2.58
Braes River	7.93	1.86	23	8	..
Bull Savannah	3.67	1.25	3	7	..
Fort Charles	3.00	1.58	29	4	1.84
Ginger Hill	8.08	1.85	25	15	..
Gutters	5.41	2.27	3	6	..
Hodges Estate	4.50	1.21	5	8	..
Holland Estate	4.95	2.82	27	7	..
Hounslow	2.88	0.88	29	6	..
Ipswich	12.80	2.44	3	14	..
Lacovia	5.54	1.50	27	6	4.41
Lititz	4.68	2.21	5	6	..
Maggotty	6.63	1.90	29	10	5.99
Malvern	5.25	1.84	29	7	..
Middle Quarters	4.54	1.98	27	8	..
Mount Charles	3.69	1.31	27	8	..
Mulgrave	13.20	2.60	3	13	..
Munro	3.76	1.17	29	10	3.27
Myersville	2.45	1.35	3	3	..
Oxford	9.91	2.13	27	14	..
Pedro Plains	3.98	2.04	29	6	1.80
Quickstep	10.07	1.80	28	12	..
Santa Cruz	6.67	3.43	3	8	4.59
Southfield	5.88	2.40	5	5	..
Springfield	8.57	2.12	25	16	..
Springvale	7.40	1.47	25	10	..
Torrington	3.47	1.12	29	6	3.06
Treasure Beach	6.56	5.58	29	5	..
Williamsfield	2.67	1.65	29	4	..
Windsor	4.54	1.62	29	7	3.17
Yardley Chase	2.70	.70	3	5	..
Westmoreland					
Albany	12.67	4.50	28	13	..
Barham	7.98	2.92	28	13	..

Stations	March, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Westmoreland, *contd.*					
Bath Pen	6.97	2.40	26	7	..
Baulk	6.94	1.87	28	12	..
Belle Isle	11.73	2.76	27	15	4.01
Bethel Town	6.13	2.20	3	9	4.80
Blue Castle	6.35	1.40	27	13	..
Bluefields	4.99	1.77	26	7	6.27
Cornwall	6.83	1.40	24	10	..
Darliston	9.07	1.70	17	12	6.15
Fontabelle	8.47	1.74	28	15	4.54
Friendship	9.29	1.95	17	11	..
Frome	8.46	1.82	19	13	..
Kew Park	5.77	1.10	17	12	4.32
Lamb's River	10.20	2.36	17	13	..
Little London	10.56	2.76	26	11	4.00
Masemure	11.34	3.83	28	15	..
Meyersfield	9.00	2.00	28	12	..
Midgham	15.62	2.75	28	15	..
Mint	7.15	1.55	27	13	..
Mount Eagle	9.98	1.95	27	12	..
Mount Eagle (P.W.D.)	10.84	2.30	27	10	..
Mount Edgecombe	4.34	1.32	26	7	4.01
Negril Pt. Lighthouse	4.32	1.37	26	9	2.87
New Market	14.17	2.95	29	11	5.35
Paul Island	10.12	2.50	28	13	..
Petersfield	6.85	1.00	24	11	..
Petersville	6.84	1.96	25	10	5.25
Prospect	6.01	1.57	28	12	..
Rat Trap	7.30	1.41	18	9	..
Retreat Estate	8.70	2.28	26	12	3.68
Retrieve	9.57	3.28	28	13	..
Sav.-la-Mar	4.97	1.25	26	9	3.03
Sheffield	7.62	2.19	27	8	..
Shrewsbury	7.96	1.58	27	12	..
St. Leonards	7.25	1.50	17	11	..
Water Works Farm	7.05	2.05	24	12	4.87
Welch Pole	8.30	2.40	17	13	..
Whithorn	2.88	1.18	24	4	4.81
Williamsfield	8.16	1.40	16	14	..

N.A. = Not available.

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

The Island Rainfall

As outlined in the January, 1946, 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 3 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—March, 1949

Parish	Rainfall for March			Rainfall, Jan.–March	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	2.70	3.09	6.2	4.40	8.33
St. James	2.45	2.65	5.5	4.92	7.40
Trelawny	3.81	3.14	7.7	6.88	8.87
St. Ann	1.51	3.14	5.0	7.35	11.11
St. Mary	2.29	4.51	6.0	13.09	15.41
Portland	4.12	6.38	8.7	18.19	24.78
St. Thomas	2.10	2.07	7.2	7.17	8.30
Kingston and St. Andrew	2.08	1.95	7.1	3.83	6.78
St. Catherine	2.06	2.46	5.2	4.35	7.24
Clarendon	1.78	2.26	5.2	3.11	6.51
Manchester	5.12	3.13	9.0	6.17	8.69
St. Elizabeth	6.13	3.72	8.9	7.00	8.81
Westmoreland	8.22	4.30	11.3	10.15	9.68
The Island	3.47	3.10 "70-Year"† 3.33	7.2 "45-Year" 7.5	7.52	9.57 "70-Year" 10.54

Note:—
†*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 menas 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 March Rainfall

The main point of interest in the March rainfall was the abnormal distribution. The heaviest falls were confined to the south-west of the Island, where values were 2-4 inches in excess of the normal. In the north-east, however, there was a deficiency of 1.5-2.0 inches. In the remaining parishes the rainfall was around the normal.

The mean value for the whole Island was 12% in excess of the 20-year average.

The aggregate rainfall for the first three months of the year showed that Westmoreland was the only Parish with a value near the normal, all the other Parishes being about 25% below the mean value.

The highest monthly total during March was 15.62 inches at Midgham in Westmoreland closely followed by Newmarket in the same Parish with 14.17 inches.

The heaviest daily fall was reported by Treasure Beach in the Parish of St. Elizabeth with 5.58 inches on the 29th March, whilst Montpelier in St. James reported 4.61 inches on the 18th.

Northers

No Northers were experienced during the month.

Earthquakes

No Earthquakes were reported during the month.

City of Kingston

All temperature values were very near the short-term average, the mean temperature of 77.3° F. being 0.5° F lower than the normal. The highest temperatures during the month were 91.0° F. in the City on the 18th and 92.3° F. at Hope Gardens on the same date. The coolest night in the City was the 11th when the temperature fell to 65.0° F. whereas at Hope Gardens the lowest night temperature was 58.0° F. on the 8th.

The rainfall in the City was 0.62 inches, being very slightly higher than the average. Most of the rain fell on the 25th of the month.

At Palisadoes there were showers on 5 days during the month but on 12 other days light showers were observed over the mountains to the north of Kingston.

Lightning was observed on 2 nights and luna coronae on 4 occasions.

British Caribbean Meteorological Service,
Palisadoes,
Kingston, Jamaica, B.W.I.
10th February, 1953

c.2

No. 875

JAMAICA
WEATHER REPORT
FOR THE MONTH OF
APRIL, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs.
Castleton Gardens ..	496	..	..	67.2	81.9	..	84.9	62.5	22.4	88.3	15	60.8	3	27.5	..
Grove Place A.C. ..	1460	..	..	66.9	79.2	..	83.7	62.1	21.6	87.1	26	56.4	15	30.7	8.09
Hill Gardens ..	4900	..	..	58.9	65.9	..	69.7	55.9	13.8	74.0	*5	53.3	*3	20.7	..
Hope Laboratory ..	668	..	..	71.9	85.4	..	90.3	66.1	24.2	95.2	26	62.9	5	32.3	8.46
Kingston ..	80	..	..	76.7	85.4	..	88.2	72.0	16.2	93.7	26	67.3	1	26.4	..
Lorrimers ..	2700	..	..	65.4	..	..	79.8	62.5	17.3	83.0	15	59.0	14	24.0	..
Morant Pt. Light Hs. ..	8	29.988	29.985	87.0	83.6	78.7	85.1	75.0	10.1	86.0	*5	67.0	1	19.0	..
Negril Pt. Light Hs. ..	33	29.961	29.953	73.9	84.1	78.4	85.8	72.7	13.1	88.0	*7	69.0	*1	19.0	..
Orange River Ex. St.	450	..	..	68.1	81.5	..	86.0	64.0	22.0	90.5	*6	57.9	14	32.6	8.58
Palisadoes Airport ..	19	29.985	29.970	77.5	84.0	80.8	85.3	75.0	10.3	89.0	26	73.0	*3	16.0	9.67

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.†		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	63	86	74	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	65	95	68	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	53	82	62	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	66	81	68	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	68	73	70	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers ..	63	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	73	84	75	73	73	83	SE	11	SE	10	SE	12	4.3	5.0	3.8	4.9	2.3	2.6
Negril Pt. Light Hs.	69	86	71	65	71	79	SE	2	SE	13	SE	6	0.9	2.8	2.1	2.9	6.8	5.2
Orange River Ex. St.	66	94	69	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	69	77	72	67	71	72	E	6	SE	16	SE	14	1.1	2.4	1.1	3.0	1.3	2.5

*And on other days. †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

The Rainfall is measured at 7 a.m and recorded, by convention, *as having fallen on the previous day.*

Stations	April, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish	8.66	3.30	30	9	8.65
Blenheim	3.58	1.09	29	10	..
Blue Hole	1.30	.73	4	2	4.01
Cascade	3.67	.84	19	9	..
Copse	2.66	1.27	20	6	5.91
Cousin's Cove	2.93	.98	29	13	6.45
Green Island	3.39	.96	29	9	5.51
Green River	7.48	3.85	30	12	..
Haughton Court, A.C.	1.40	.90	19	5	3.55
Haughton Grove	5.02	1.54	28	8	7.49
Haughton Hall	4.17	1.17	30	11	5.42
Hopewell	0.70	.20	*17	6	..
Kendal	5.02	1.25	11	9	..
Kingsvale	2.06	.72	29	11	5.62
Lucea	1.85	1.42	19	2	3.63
Retirement	7.69	1.45	30	11	..
Santoy, L.S.	5.25	2.28	30	8	..
Shettlewood	4.98	2.10	20	8	..
St. James					
Adelphi	0.37	.37	6	1	..
Anchovy	1.26	.52	8	8	3.23
Cambridge	4.14	2.15	20	6	7.34
Catadupa	7.02	1.33	18	12	8.32
Cinnamon Hill	0.25	.15	25	2	2.01
Cornwall Works	0.18	.12	6	2	..
Friendship	0.69	.25	30	5	3.87
Irwin, A.C.	0.82	.31	18	6	2.81
John's Hall	2.87	1.29	30	3	..
Kempshot	3.92	2.45	17	8	5.16
Lapland	7.06	1.38	21	12	..
Latium, L.S.	1.02	.50	8	3	3.96
Maldon	0.00	..	..	0	..
Mocho	8.63	2.20	8	8	10.89
Montego Bay	0.75	.32	16	4	3.20
Montpelier	2.90	1.27	20	10	4.04
Retirement	2.96	1.40	30	7	4.74
Richmond Hill	4.14	1.18	20	7	..
Rose Hall	0.20	.15	25	2	1.94
Running Gut	0.37	.37	25	1	1.88
Spring Estate	0.20	.15	29	2	1.67
Success	0.22	.12	6	2	1.95
Sweetwater	6.83	1.90	21	11	..
Tryall	0.47	.17	29	3	2.69
Vaughansfield	3.10	2.14	23	3	..
Windsor Lodge	1.03	.51	7	3	..

*And on other days.

Stations	April, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Trelawny	Ins.	Ins.			Ins.
Albert Town	5.14	1.44	28	7	6.68
Arcadia	0.00	..	..	0	2.73
Clark's Town	0.20	.14	23	2	4.02
Duncans	0.11	.09	25	2	3.20
Falmouth	1.08	.83	6	4	2.20
Harmony Hall	0.06	.06	25	1	2.24
Hyde and Gibraltar	0.28	.18	22	2	..
Litchfield	1.63	1.18	28	3	..
Lorrimers	2.24	.76	7	7	..
Reserve Pen, L.S.	0.00	..	..	0	..
Stewart Town	0.82	.39	20	3	..
Troy	5.81	1.90	21	7	8.57
Troy, L.S.	7.08	1.85	28	10	..
Ulster Spring	6.57	2.65	8	8	6.85
Vale Royal	0.10	.10	23	1	2.98
Wait-a-bit	2.49	1.35	28	8	..
Wakefield	0.15	.15	7	1	5.07
Warsop	5.55	2.76	27	9	8.64
St. Ann					
Alexandria	2.52	1.07	28	4	3.88
Armadale	2.27	.71	21	6	..
Averham Park	1.40	.57	28	5	4.91
Bel-Air	0.15	.15	20	1	4.15
Beverley, L.S.	0.00	..	..	0	..
Brown's Town	0.53	.42	20	2	3.98
Cave Valley	1.50	.42	30	6	4.83
Chippenham Park	0.54	.19	28	6	..
Claremont	1.73	1.40	21	3	4.53
Cuffie Ridge	2.94	1.59	30	4	..
Eltham	0.16	.16	28	1	..
Exchange	0.44	.19	27	3	..
Greenock	1.69	.53	30	6	..
Home Castle	0.00	..	..	0	3.51
Knapdale	0.39	.23	28	4	5.80
Liberty Hill	0.21	.11	25	2	4.00
Moneague	0.50	.40	28	2	4.99
New Ground A.C.	0.46	.33	20	3	..
Ocho Rios	1.07	1.07	28	1	3.51
Richmond Estate	0.08	.08	28	1	3.55
Richmond Pen, L.S.	3.53	2.16	20	5	3.66
Rio Hoe	0.96	.58	28	3	4.95
Rockfield	0.77	.29	20	7	5.08
Runaway Bay	0.00	..	..	0	1.96
Rural Retreat	1.55	1.55	20	1	..
St. Ann's Bay	0.24	.16	28	2	3.87
Stepney	0.31	.31	1	1	..
Thatchfield, L.S.	0.40	.26	28	2	..
Unity	0.64	.56	28	3	4.42
Watt Town	4.06	2.32	20	5	4.08
Wilton	0.00	..	..	0	..

Stations	April, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Mary	Ins.	Ins.			Ins.
Agualta Vale	0.68	.22	19	4	4.96
Castleton Gardens	2.45	.87	27	5	6.93
Devon Pen, A.C.	3.14	2.12	20	3	..
Dover, Grays Inn	0.38	.18	21	4	6.05
Dover, L.S.	0.41	.25	28	3	..
Enfield	1.75	1.00	27	5	9.41
Fort Stewart	0.66	.31	1	3	..
Fort Stewart, L.S.	0.33	.28	11	2	..
Gibraltar	0.15	.15	21	1	..
Golden Grove, East	0.05	.05	21	1	..
Golden Grove, West	N/A.				
Gray's Inn Cen. Fact.	0.30	.20	21	2	..
Guy's Hill	0.89	.28	28	7	5.45
Hampstead	0.90	.50	28	4	5.66
Highgate	0.48	.18	20	7	..
Iter Boreale	0.35	.20	21	2	..
Jack's River	0.20	.20	12	1	..
Lady Hole	0.15	.15	21	1	..
Lower Esher	0.44	.12	*20	5	..
Lucky Hill	1.33	.92	28	4	4.95
Lucky Hill Pen	0.92	.85	28	2	..
Newry	0.31	.10	21	4	..
Nutfield, A.C.	0.10	.05	*1	2	..
Oracabessa	0.00	..	..	0	4.72
Orange River	0.41	.17	20	4	..
Platfield	2.13	..	..	..	..
Port Maria	0.53	.30	11	3	4.13
Prospect Estate	0.17	.17	28	1	..
Quebec	0.00	..	..	0	4.04
Retreat	0.37	.37	28	1	..
Richmond	0.29	.18	20	4	4.77
Warwick	2.60	2.40	28	3	..
Water Valley	0.12	.08	21	2	4.84
Western St. Mary	2.25	2.00	28	3	..
Windsor Castle	1.09	.45	28	6	6.89
Portland					
Balcarres	3.09	1.62	27	4	7.22
Belle Vue	0.80	.30	19	4	..
Belvedere	1.10	0.50	27	4	7.02
Boundbrook, L.S.	1.29	.62	1	4	..
Bruton Hall	1.80	.95	28	4	..
Buff Bay	1.02	.57	1	6	6.50
Bybrook	2.31	.75	*21	6	..
Caenwood,	2.24	1.16	21	7	..
Castle Comfort	1.80	.69	21	4	..
Cedar Hurst	4.32	2.80	20	9	7.22
Chepstowe	3.16	.70	1	9	..
Darley	1.51	.61	21	6	..
Ecclesdown	1.84	1.30	29	2	..
Fellowship	1.80	.45	*21	5	9.53
Fruitful Vale	1.30	.65	1	4	..
Hope Bay	1.56	1.05	21	4	8.07
Hopewell	2.43	.47	21	12	..
Lennox	.36	.26	1	2	7.77
Manchioneal	1.49	.50	1	5	7.04
Mill Bank	4.51	2.40	26	6	13.96
Moore Town	3.53	1.13	27	8	11.58
Mt. Holstein	4.97	1.60	26	9	7.26
Mt. Pleasant	2.11	.60	3	8	..
Passley Gardens	0.86	..	..	..	7.14
Plum Valley	1.98	.70	1	5	..

Stations	April, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Port Antonio	1.52	.77	1	6	6.85
Priestman's River	2.19	.89	21	11	5.53
Shrewsbury	2.65	.97	28	5	9.98
Spring Garden	0.17	.12	13	2	5.64
Tom's Hope	1.02	.25	21	10	..
Windsor, A.C.	3.57	1.20	26	11	..
St. Thomas					
Barrett's Gap	2.18	1.26	1	5	..
Bath	2.40	.97	1	7	6.45
Bowden Pen	6.57	1.40	26	8	..
Cedar Valley	0.25	.10	*4	3	3.91
Citron Valley, L.S.	0.00	..	..	0	..
Clifton Hill	0.82	.48	23	4	..
Coley	0.43	0.35	1	2	4.10
Duckenfield	0.71	.36	1	5	..
Easington	0.53	.27	2	3	1.95
East Prospect	N/A	..	..	..	4.56
Golden Grove, J.S.E.	0.63	.36	1	4	..
Llandewey	0.00	..	..	0	..
Lloyds	0.41	.25	2	2	..
Lyssons, L.S.	1.83	.40	31	10	..
Morant Bay	0.52	.17	25	4	3.08
Morant Point Light Hs.	0.74	.35	1	9	3.52
Mt. Mansfield	1.95	.85	17	5	..
Norris	0.58	.26	1	3	..
Plantain Garden River	2.09	1.31	1	6	..
Pleasant Hill	1.31	.41	1	8	3.92
Rowlandsfield, L.S.	2.27	1.02	1	6	..
Seaforth	0.98	.68	1	8	..
Spanishwood	1.06	.48	30	5	..
Sunning Hill, L.S.	1.80	.35	2	8	..
Wheelerfield	1.75	1.25	1	6	..
Yallahs	0.00	..	..	0	1.60
Kingston and St. Andrew					
Bamboo Avenue	0.02	.01	*15	2	..
Brandon Hill	2.75	1.12	28	5	..
Cavaliers	0.24	0.07	30	6	..
Clifton Pen	0.88	0.53	27	5	1.71
Constant Spring, F.P.	0.45	.13	*21	8	..
Constant Spring, Ch. Rd.	0.24	.20	21	2	..
Dallas Castle	0.23	.13	27	3	3.03
Fort George	1.15	.46	21	5	..
Golden Spring	3.28	1.48	28	6	..
Gordon Town	0.80	.17	21	6	3.37
Grey Weathers	0.87	.36	21	5	..
Guava Ridge	0.93	.60	27	4	2.93
Halfway Tree	0.38	.23	21	2	1.90
Harbour Head	0.02	.02	15	1	..
Hardware Gap, P.W.D.	6.29	3.40	20	6	6.51
Hermitage	3.08	1.31	28	6	4.36
Hill Gardens	0.71	.39	27	4	5.60
Hope Farm Ag. Stn.	0.42	.12	22	5	2.93
Hope Laboratory	0.13	.07	1	3	..
Hope Waterworks	0.31	.08	27	7	..
Irish Town	1.29	.30	*1	7	3.94
Iver	0.47	.22	23	5	..
King's House Gardens	0.36	.18	21	3	2.50

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

Stations	April, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Langley	3.95	2.01	20	4	..
Lawrence Tavern	1.31	.50	*23	4	4.80
Mayis Bank	0.77	.41	27	5	2.93
Mount Airy	1.95	1.12	28	4	..
Mount Cressy	7.09	3.12	27	10	..
Mount Salus	1.80	1.60	21	2	..
Newcastle	2.57	1.45	21	6	..
Penfield Water Works	1.01	.24	22	7	..
Red Hills	1.15	.61	8	4	4.16
Rose Hill	4.06	2.04	20	8	6.81
Sea View F.P.	1.97	1.02	28	5	..
Shortwood College	0.17	.08	20	4	..
Stony Hill	1.13	.42	20	4	5.22
Twickenham Pen	0.46	.14	30	6	..
Up Park Camp	0.28	.20	27	3	..
Kingston					
Kingston P.W.O.	0.15	.15	16	1	1.01
Palisadoes	0.29	.21	2	2	..
Parade Gardens	0.05	.05	16	1	..
Plumb Pt. Lighthouse	0.00	..	..	0	1.13
St. George's College	0.33	.13	24	3	..
Upper Kingston	0.29	.09	*2	5	1.07
St. Catherine					
Above Rocks	3.70	1.50	28	5	..
Barry & Lloyds, L.S.	1.70	1.70	21	1	..
Bellas Gate	1.28	.47	28	3	3.13
Bodles	0.48	.27	2	3	..
Bog Walk	2.16	.55	26	6	4.51
Brown's Hall	0.28	.16	25	4	4.17
Carew Castle	2.50	.70	23	8	5.16
Ewarton	0.97	.40	28	3	..
Ginger Ridge	0.48	.22	25	5	..
Glengoffe	1.69	.70	21	4	..
Grove Farm, A.C.	1.31	1.05	26	2	..
Guanaboa Vale	N/A	..	..	..	4.68
Headworks	0.18	.11	2	2	3.59
Hematine	2.11	2.08	27	2	2.47
Hog Hole	0.02	.02	1	1	3.18
Knollis	2.77	.94	26	6	5.25
Linstead	1.16	.55	21	3	1.10
Old Harbour	1.67	1.05	26	5	3.14
Pear Tree Grove	0.88	.88	27	1	5.48
Point Hill	2.39	.73	28	7	5.52
Quarantine Station	0.18	.18	15	1	1.33
Rio Magno	1.47	.59	18	3	5.61
Riversdale	0.97	.40	22	4	5.79
Sligoville	1.41	.54	23	6	5.91
Spanish Town	2.16	2.14	27	2	2.34
Troja	0.53	.35	17	2	6.71
Troja, L.S.	0.00	..	..	0	..
Tulloch Estate	3.54	1.86	21	5	..
Twickenham, A.C.	2.15	2.15	27	1	..
Worthy Park	0.59	.45	2	4	3.75
Clarendon					
Amity Hall	0.34	.34	27	1	..
Beauchamp	0.60	.60	27	1	..
Belle Plain	0.00	..	..	0	4.86
Bog	3.15	3.10	27	2	..

Stations	April, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Carlisle	2.20	2.20	27	1	..
Chapelton	0.10	.06	1	2	3.85
Clarendon Park, J.G.R	0.62	.30	2	4	..
Colonel's Ridge	0.86	.47	21	5	..
Cottage	2.92	2.68	27	3	3.46
Cotton Tree Gully	2.50	2.50	27	1	..
Croft's Hill	0.48	.48	30	1	4.44
Crooked River	1.47	.92	30	4	5.61
DaCosta	1.43	1.43	27	1	..
Douce Pennants	1.69	1.24	30	3	..
Exeter	1.40	1.40	27	1	2.59
Experiment	2.60	2.30	27	2	..
Frankfield	1.97	1.30	30	3	4.58
Gibbons	3.40	3.40	27	1	..
Glen Muir	0.72	.62	21	3	3.70
Grimmetts	0.60	0.45	27	2	..
Hillside	3.30	3.30	27	1	2.20
James Hill	1.65	.80	30	6	..
Kellits	0.67	.27	23	3	..
Knights	1.39	1.39	27	1	..
May Pen	1.07	1.07	21	1	3.14
Milk River	0.41	.30	28	2	2.45
Morelands	2.05	2.05	27	1	1.57
Mumby	2.12	1.97	27	3	..
Peckham, L.S.	4.26	2.45	30	6	..
Pennants	0.94	.61	28	4	..
Pusey Hall	2.10	2.10	27	1	..
Rock River	0.62	.47	28	3	3.63
Salt Savannah	1.37	1.37	27	1	..
Silent Hill	1.97	.62	*20	4	..
Spaldings	1.27	.38	20	4	5.03
Springfield	0.50	.40	27	2	3.27
Suttons, J.G.R.	0.30	.30	28	1	4.37
Suttons, W.I.S.C	2.16	2.16	27	1	..
Teak Pen, L.S.	0.92	.38	28	4	..
Thompson Town	0.32	.18	12	3	..
Trout Hall	2.23	1.43	30	4	4.96
Tweedside	4.12	2.40	30	3	..
Manchester					
Alligator Pond	0.32	.32	27	1	3.07
Christiana	1.10	.60	1	3	6.59
Chudleigh	1.10	.80	2	3	6.28
Cocoawalk, L.S.	0.25	.25	28	1	..
Craig Head	8.36	3.80	28	5	..
Dunkeld	0.22	.18	3	2	..
Garlogie	0.67	0.20	2	5	..
Greenvale	0.88	.60	7	6	6.63
Grove Place	0.37	.14	21	4	..
Holmwood	1.23	.82	2	3	..
Hope, (Spur Tree)	0.00	..	..	0	..
Kendal	0.97	.60	2	3	6.23
Mandeville	0.37	.21	1	2	6.01
Mandeville (Manch. Hot)	1.46	.85	2	6	..
Mile Gully	.23	.23	8	1	..
New Forest, L.S.	0.00	..	..	0	..
Newport	3.30	1.65	30	4	4.78
Porus	0.51	.11	28	5	..
Ramble	1.19	.72	21	3	..
Retrieve	0.83	.33	2	3	3.37
Stones Hope	0.58	.36	28	4	4.30
Williamsfield	1.32	.70	2	5	5.32

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

Stations	April, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	5.46	1.33	22	10	..
Accompong	6.62	1.51	20	8	..
Appleton	6.36	2.47	21	13	9.65
Balaclava	4.03	1.00	21	7	9.03
Bartons	6.15	1.70	27	9	..
Black River	3.43	.80	20	9	3.92
Braes River	9.37	2.10	28	9	..
Bull Savannah	1.13	11.3	27	1	..
Fort Charles	2.82	1.07	29	3	2.46
Ginger Hill	7.31	2.27	28	9	..
Gutters	1.35	.70	27	3	..
Hodges Estate	4.28	1.25	21	9	..
Holland Estate	8.97	1.65	21	9	..
Hounslow	3.44	2.61	27	3	..
Ipswich	7.84	1.93	28	11	..
Lacovia	7.50	2.35	20	8	7.84
Lititz	0.77	0.45	28	3	4.34
Maggotty	7.96	2.27	20	9	9.97
Malvern	5.09	2.64	27	7	..
Middle Quarters	5.56	1.55	20	8	..
Mount Charles	5.29	1.76	20	10	..
Mulgrave	12.72	3.42	28	8	..
Munro	5.02	3.13	27	7	4.36
Myersville	2.19	1.50	27	3	..
Oxford L. S.	3.05	.96	20	8	..
Pedro Plains	7.28	2.79	27	5	2.76
Quickstep	1.45	.40	27	6	..
Santa Cruz	9.65	2.30	27	10	8.67
Southfield	4.42	3.30	27	6	3.98
Springfield	10.29	1.78	21	11	..
Springvale	8.39	2.64	27	11	..
Torrington	4.56	3.40	27	4	4.80
Treasure Beach	4.77	4.48	27	3	..
Williamsfield	2.31	2.06	27	3	..
Windsor	5.80	3.18	27	11	5.05
Yardley Chase	2.15	2.15	8	1	..

Stations	April, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average*
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland					
Albany	8.23	3.44	28	14	..
Barham	7.26	2.20	28	11	..
Bath Pen	5.48	1.95	28	9	..
Baulk	8.99	2.25	30	13	..
Belle Isle	8.81	2.14	28	12	6.80
Bethel Town	7.80	3.00	20	9	9.57
Blue Castle	5.83	2.42	28	11	..
Bluefields	6.43	2.68	20	12	7.78
Cornwall	6.06	2.20	28	8	..
Darliston	10.66	2.70	21	9	11.26
Fontabelle	5.53	1.50	28	12	5.64
Friendship	8.24	1.85	30	11	..
Frome	6.12	1.51	28	12	..
Kew Park	7.85	2.82	20	8	8.23
Lamb's River	7.17	1.55	20	11	..
Little London	2.75	1.03	19	7	5.99
Masemure	7.45	3.00	28	14	..
Meyersfield	3.80	1.00	20	11	..
Midgham	10.78	3.35	28	13	..
Mint	9.15	1.71	16	13	..
Mount Eagle	10.98	2.45	20	13	..
Mount Eagle (P.W.D.)	8.89	1.56	19	12	..
Mount Edgecombe	6.64	3.42	20	10	5.51
Negril Point L.H.	3.05	.56	*16	12	3.25
New Market	19.58	4.46	28	14	9.94
Paul Island	5.86	1.45	28	10	..
Petersfield	8.39	2.67	28	11	..
Petersville	7.15	2.14	21	11	7.19
Prospect	11.59	2.65	30	10	..
Rat Trap	3.07	1.50	24	5	..
Retreat Estate	5.74	1.51	20	10	4.99
Retrieve	6.40	2.60	28	13	..
Sav.-la-Mar	3.07	.75	28	7	4.98
Sheffield	10.04	1.80	20	12	..
Shrewsbury	10.56	2.89	20	7	..
St. Leonard's	7.62	2.50	22	7	..
Water Works Farm	10.48	3.10	28	10	8.05
Welch Pole	8.30	1.85	21	8	..
Whithorn	10.08	3.10	20	7	7.64
Williamsfield	8.20	2.00	23	8	..

*And on other days.

The Island Rainfall

As outlined in the January, 1946, 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. Rain-gauges 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. Everyone 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 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 gives the mean number of rain days on which measurable rain fell. The total rainfall for the first 4 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—April, 1949

Parish	Rainfall for April			Rainfall, Jan.–April	
	Actual Inches	20-Year Average Inches †	Raindays No.	Actual Inches	Average Inches †
Hanover	3.99	6.76	8.2	8.39	15.09
St. James	2.36	5.36	5.0	7.28	12.76
Trelawny	2.18	5.38	4.2	9.06	14.25
St. Ann	1.00	5.02	2.9	8.35	16.13
St. Mary	0.77	6.05	3.0	13.86	21.46
Portland	2.07	9.81	6.1	20.26	34.59
St. Thomas	1.27	3.87	4.8	8.44	12.17
Kingston and St. Andrew	1.27	4.05	4.4	5.10	10.83
St. Catherine	1.40	4.36	3.4	5.75	11.60
Clarendon	1.54	4.45	2.4	4.65	11.96
Manchester	1.15	5.76	3.1	7.32	14.45
St. Elizabeth	5.41	6.75	7.1	12.41	15.56
Westmoreland	7.77	7.93	10.4	17.92	17.61
The Island	2.57	5.46 "70-Year" 5.11	5.0 "45-Year" 8.7	10.09	15.03 "70-Year" 15.65

Note:— †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 April Rainfall

During the month the greater part of the Island suffered from a severe drought, which was more keenly felt than during the same period of 1947.

The mean Island rainfall of 2.57 inches was slightly less than half the normal amount expected. Only two Parishes, Westmoreland and St. Elizabeth, received their normal quota of rain while most of the other Parishes, especially those in the eastern half of the Island received less than one-third of the normal. Portland, usually the wettest Parish in the Island, showed a deficiency of 7.74 inches.

This unusual departure from the normal rainfall trend was due to the failure of any well defined encroachment of cold air from the American Continent. The few feeble surges of cold air aloft which did affect the Island became stationary over the extreme south-west Parishes before receding northwards again. This accounted for the near-normal rainfall experienced in Westmoreland and St. Elizabeth.

The highest monthly totals were reported from New Market in Westmoreland (19.58 inches) and Mulgrave in St. Elizabeth (12.72 inches).

The greatest daily fall was 4.48 inches at Treasure Beach in St. Elizabeth closely followed by New Market in Westmoreland with 4.46 inches.

Earthquakes

Date	Time	Intensity	Where felt
27th	6.45 a.m.	Slight	Mocho, St. James.
	7.00 a.m.	Slight	Haughton Hall, Hanover.

City of Kingston

The mean temperature during the month was 80.1 °F compared with the average of 79.7 °F., all values being about 1 °F. higher than is usual during April. The maximum temperature reached in the City was 93.7 °F on the 26th, nearly 3 °F higher than the average and 95.2 °F was recorded at Hope Gardens on the same date. The lowest night temperature was 67.3 °F on the 1st while 62.9 °F was recorded at Hope Gardens on the 5th.

At Palisadoes there were only two days on which measurable rain fell but on six other days showers were observed over the mountains to the north-east of the City. Thunder was heard on one day.

Solar halos were seen on five days and a lunar corona on one occasion.

British Caribbean Meteorological Service,
Palisadoes,
Kingston, Jamaica, B.W.I.
10th February, 1953

No. 876

JAMAICA
WEATHER REPORT

FOR THE MONTH OF
MAY, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	Hrs.
Castleton Gardens ..	496	..	..	67.4	80.7	..	83.8	62.2	21.6	86.3	*3	57.6	27	28.7	..
Grove Place A.C. ..	1460	..	..	68.3	77.9	..	82.9	63.6	19.3	86.9	4	59.1	2	26.8	6.27
Hill Gardens ..	4900	..	..	60.5	65.5	..	70.3	57.9	12.4	76.0	23	55.3	16	20.7	..
Hope Laboratory ..	668	..	..	74.1	84.7	..	89.6	68.2	21.4	92.4	29	66.1	29	26.3	6.27
Kingston ..	80	..	..	76.9	84.3	..	87.7	72.9	14.8	89.2	13	70.0	17	19.2	..
Lorrimers ..	2700	..	..	65.8	..	..	78.9	62.7	16.2	82.0	*7	58.0	19	24.0	..
Morant Pt. Light Hs.	8	29.937	29.941	78.4	82.8	78.3	84.2	75.2	9.0	87.0	14	69.0	*20	18.0	..
Negril Pt. Light Hs. ..	33	29.945	29.920	75.9	84.6	77.7	86.0	71.4	14.6	90.0	29	69.0	*4	21.0	..
Orange River Ex. St.	450	..	..	70.9	79.8	..	85.0	66.5	18.5	88.5	12	60.9	8	27.6	5.77
Palisadoes Airport ..	19	29.938	29.929	78.4	84.6	80.1	85.7	75.6	10.1	87.0	*2	71.0	*16	16.0	7.85

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m. †		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	62	86	74	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	66	96	68	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	56	85	63	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	68	81	71	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	70	80	73	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers ..	61	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	74	86	76	79	74	86	SE	8	SE	8	SE	9	4.0	5.8	3.9	6.2	4.1	5.5
Negril Pt. Light H.	72	85	73	67	73	85	E	3	NE	6	SE	4	1.4	4.3	2.9	4.6	5.5	5.9
Orange River Ex. St.	69	95	73	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	71	77	73	69	72	77	NW	4	SE	16	SE	13	1.4	3.4	1.4	4.1	1.8	4.9

*And on other days †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

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

Stations	May, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	19.50	2.50	31	22	14.23
Blenheim	11.62	1.58	15	18	..
Blue Hole	11.18	1.80	11	18	10.56
Cascade	18.29	2.83	31	19	..
Copse	17.76	3.28	3	15	12.49
Cousin's Cove	8.26	1.82	6	23	9.12
Green Island	11.30	2.55	6	16	8.80
Green River	11.24	1.12	21	27	..
Haughton Court A. C.	9.80	1.30	*3	14	8.97
Haughton Grove	23.51	3.50	5	21	14.47
Haughton Hall	8.51	2.12	6	22	7.67
Hopewell	7.14	2.33	3	18	..
Kendal	11.05	1.54	11	23	..
Kingsvale	5.12	.72	6	16	10.66
Lucea	8.01	1.52	30	15	8.32
Retirement	15.37	1.62	21	24	..
Santoy L. S.	12.41	2.00	4	17	..
Shettlewood	22.54	3.02	6	23	..
St. James					
Adelphi	11.99	3.66	20	13	..
Anchovy	7.90	1.18	6	16	7.46
Cambridge	13.29	1.80	20	20	13.60
Catadupa	11.70	1.36	20	23	16.10
Cinnamon Hill	7.37	2.66	5	11	4.97
Cornwall Works	10.25	2.89	5	11	..
Friendship	10.49	2.35	7	16	8.04
Irwin A. C.	8.05	1.14	6	20	8.30
John's Hall	14.51	2.26	7	15	..
Kempshot	9.70	1.77	5	21	10.37
Lapland	14.73	1.36	20	25	..
Latium L. S.	10.91	1.35	31	19	9.98
Maldon	9.09	1.92	4	11	..
Mocho	22.32	4.00	20	19	18.60
Montego Bay	5.65	1.10	5	12	7.18
Montpelier	14.91	1.88	30	24	10.59
Retirement	10.45	1.90	6	22	8.71
Richmond Hill	15.84	3.26	20	20	..
Rose Hall	7.18	2.85	5	11	4.60
Running Gut	6.72	1.54	11	11	4.96
Spring Estate	6.00	1.00	29	10	4.28
Success	7.71	3.36	5	10	4.48
Sweetwater	14.83	3.35	20	21	..
Tryall	6.12	1.40	11	11	6.07
Vaughansfield	16.90	2.21	*17	16	..
Windsor Lodge	8.88	2.02	14	20	..

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

Stations	May, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Trelawny					
Albert Town	14.11	2.15	6	15	11.09
Arcadia	3.91	.75	20	12	5.11
Clark's Town	8.44	1.40	14	14	7.30
Duncans	3.61	.99	15	9	4.82
Falmouth	5.18	1.30	11	12	4.40
Harmony Hall	3.69	0.93	20	10	4.50
Hyde and Gibraltar	10.40	2.32	15	14	..
Lichfield	10.84	1.73	20	12	..
Lorrimers	11.43	2.78	20	16	..
Reserve Pen, L.S.	4.20	..	..	..	..
Stewart Town	11.67	2.64	30	17	..
Troy	19.21	1.92	3	18	15.03
Troy Land Settlement	20.35	2.43	7	24	..
Ulster Spring	11.41	1.88	20	17	11.93
Vale Royal	4.35	.83	10	10	5.90
Wait-a-bit	10.43	1.73	20	17	..
Wakefield	11.08	1.45	12	18	9.92
Warsop	20.34	2.67	19	20	14.72
St. Ann					
Alexandria	16.32	3.10	20	14	7.14
Armadale	13.24	1.95	20	16	..
Averham Park	14.01	3.33	20	18	7.26
Bel-Air	5.35	1.55	20	12	6.54
Beverley L. S.	7.23	2.00	10	11	..
Brown's Town	7.07	1.31	20	16	8.76
Cave Valley	17.39	3.20	8	14	9.36
Chippenham Park	8.37	1.87	20	22	..
Claremont	13.91	3.40	20	20	7.32
Cuffie Ridge	11.83	1.93	20	16	..
Discovery Bay	4.06	1.50	20	6	..
Eltham	6.31	1.60	11	8	..
Exchange	2.89	1.12	8	6	..
Greenock	17.45	3.82	8	16	..
Home Castle	7.55	2.10	22	9	6.08
Knapdale	8.08	2.00	7	14	8.86
Liberty Hill	5.45	1.75	15	13	4.97
Moneague	13.73	2.91	9	17	8.55
New Ground A. C.	6.72	1.20	15	13	..
Ocho Rios	9.17	1.73	14	10	5.69
Richmond Estate	7.92	2.82	10	9	5.94
Richmond Pen, L.S.	11.74	1.90	6	16	7.16
Rio Hoe	16.91	1.95	19	17	7.98
Rockfield	7.77	1.24	15	17	6.34
Runaway Bay	3.75	1.02	10	9	3.17
Rural Retreat	12.66	1.95	9	15	..
St. Ann's Bay	6.32	2.00	10	12	5.65
Stepney	30.87	6.08	5	19	..
Thatchfield L. S.	6.92	1.36	22	13	..
Unity	19.04	4.03	20	19	8.35
Watt Town	12.14	2.30	20	13	7.47
St. Mary					
Agualta Vale	5.35	1.44	16	12	6.04
Bundo L.S.	N/A	..	..	..	..
Castleton Gardens	17.46	2.85	16	17	12.67
Devon Pen, L.S.	11.66	2.80	19	14	..
Dover L.S.	12.74	3.24	10	14	6.55
Dover G.I.C.F.	9.04	2.27	10	13	..
Enfield	10.09	1.56	10	13	10.90

Stations	May, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
	ins.	ins.			ins.
St. Mary, *contd.*					
Fort Stewart	7.37	2.10	16	13	..
Fort Stewart, L.S.	12.20	2.83	16	16	..
Gibraltar	4.01	1.75	16	7	..
Golden Grove, East	6.92	1.55	16	10	..
Gray's Inn Cntl. Facty.	5.07	1.80	16	11	..
Guy's Hill	15.45	2.50	7	15	7.84
Hampstead	10.85	3.60	19	13	7.32
Highgate	12.11	3.77	16	15	..
Iter Boreale	4.96	1.55	16	10	..
Jack's River	5.99	1.41	20	11	..
Lady Hole	5.36	1.82	16	8	..
Lower Esher	7.25	2.40	19	11	..
Lucky Hill	13.09	3.95	21	12	8.15
Lucky Hill Pen	8.50	1.90	21	9	..
Newry	3.66	1.25	16	13	..
Nutfield A. C.	4.21	1.30	16	6	..
Oracabessa	5.39	1.36	14	13	8.48
Orange River	6.51	1.57	16	12	..
Platfield	5.54	..	..	..	..
Port Maria	4.86	1.50	10	13	6.33
Prospect Estate	7.32	1.59	18	10	..
Quebec	8.22	1.72	10	10	6.47
Retreat	8.92	2.32	21	9	..
Richmond	6.96	1.66	16	13	7.69
Warwick	11.49	3.40	22	6	..
Water Valley	5.56	1.50	16	12	6.99
Western St. Mary	13.96	4.18	21	12	..
Windsor Castle	17.70	3.80	19	17	8.66
Portland					
Balcarres	13.20	2.73	5	15	12.01
Belle Vue	7.05	1.50	*10	8	..
Belvedere	11.96	1.99	19	13	7.36
Boundbrook, L.S.	21.70	6.10	31	16	..
Bruton Hall	11.36	2.50	31	10	..
Buff Bay	10.84	4.03	10	12	8.09
Bybrook	9.17	1.77	16	14	..
Caenwood	11.98	2.87	18	16	..
Castle Comfort	24.02	5.50	16	16	..
Cedar Hurst	7.65	1.93	19	20	9.08
Chepstowe	10.53	1.70	20	13	..
Darley	12.64	3.15	31	17	..
Ecclesdown	24.45	3.36	18	19	..
Fellowship	20.87	5.30	31	13	15.65
Fruitful Vale	10.16	2.10	16	16	..
Hope Bay	10.35	3.00	18	13	9.94
Hopewell	9.14	2.05	11	13	..
Lennox	7.29	1.70	18	10	10.26
Manchioneal	24.67	5.64	31	17	12.33
Mill Bank	18.37	3.80	16	12	16.29
Moore Town	22.53	5.33	31	16	16.54
Mount Holstein	12.96	2.15	2	12	10.34
Mount Pleasant	N/A	..	..	..	..
Passley Gardens	10.11	..	..	..	9.70
Plum Valley	6.05	1.55	16	13	..
Port Antonio	22.38	8.35	31	18	13.24
Priestman's River	24.74	6.62	31	20	9.34
Shrewsbury	N/A	..	..	..	13.52
Spring Garden	10.19	2.95	31	9	..
Tom's Hope	13.55	2.50	31	13	..
Windsor A. C.	16.33	5.72	31	15	..

Stations	May, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	22.31	9.20	19	13	..
Bath	16.25	5.20	19	13	12.00
Bowden Pen	23.12	4.82	19	13	..
Cedar Valley	11.14	3.90	19	11	8.60
Citron Valley L.S.	8.10	2.20	20	7	..
Clifton Hill	18.67	6.02	19	12	..
Coley	12.77	5.50	19	8	8.91
Duckenfield	17.60	5.64	19	17	..
Easington	6.78	3.24	19	10	5.73
East Prospect	N/A	..	..	..	8.39
Golden Grove J. S. E.	21.54	7.20	19	18	..
Llandewey	4.68	1.95	19	7	..
Lloyds	8.47	3.65	19	8	..
Lyssons L.S.	14.00	3.10	31	18	..
Morant Bay	16.74	5.73	19	13	7.30
Morant Pt. Lighthouse	16.20	4.32	19	18	8.22
Mount Mansfield	14.72	7.50	19	8	..
Norris	6.88	3.05	19	8	..
Plantain Garden River	23.38	7.79	19	14	..
Pleasant Hill	20.52	6.83	19	16	7.31
Rowlandsfield L. S.	22.12	6.31	31	19	..
Seaforth	16.64	7.60	19	10	..
Spanishwood	16.18	4.20	19	15	..
Sunning Hill L.S.	13.06	2.22	16	13	..
Wheelerfield	22.89	6.35	19	14	..
Yallahs	7.46	2.50	19	8	3.06
Kingston and St. Andrew					
Bamboo Avenue	3.41	1.20	19	11	..
Brandon Hill	13.06	1.91	15	14	..
Cavaliers	4.46	0.98	19	11	..
Clifton Pen	6.97	1.11	16	12	4.00
Constant Spring F. P.	6.55	1.64	19	16	..
Constant Spring Ch. R.	5.18	1.70	19	12	..
Dallas Castle	4.23	1.79	19	6	4.20
Fort George	7.32	1.35	16	18	..
Golden Spring	8.15	2.08	15	15	..
Gordon Town	4.20	2.02	19	12	7.05
Grey Weathers	7.19	1.25	19	18	..
Guava Ridge	4.53	2.04	19	7	5.64
Halfway Tree	4.04	1.29	19	9	4.44
Harbour Head	4.71	1.84	19	5	..
Hardware Gap P.W.D.	9.21	2.30	19	14	11.82
Hermitage	8.80	1.88	19	20	11.69
Hill Gardens	5.98	1.65	19	12	9.40
Hope Farm Agr. Stn.	3.57	1.22	19	10	6.10
Hope Laboratory	3.19	1.17	19	12	..
Hope Water Works	3.16	1.04	19	13	..
Irish Town	7.56	2.80	19	10	7.33
Iver	4.76	1.82	18	16	..
King's House Gardens	4.07	1.57	19	12	5.61
Langley	14.66	2.03	16	16	..
Lawrence Tavern	12.08	3.72	19	13	9.83
Mavis Bank	4.74	2.31	19	7	5.64
Mount Airy	17.32	2.15	4	16	..
Mount Cressy	17.45	2.50	10	23	..
Mount Salus	7.02	1.70	19	12	..
Newcastle	9.69	2.20	20	14	..
Penfield Water Works	3.55	1.32	19	10	..
Red Hills	7.78	2.54	19	14	7.76

*And on other days.

N.A. = Not available.

Stations	May, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Rose Hill	9.10	1.81	7	19	12.37
Seaview Filter Plant	8.02	1.49	19	17	..
Shortwood College	5.38	1.81	19	16	..
Stony Hill	9.52	1.98	6	16	8.46
Twickenham Pen	4.98	1.32	16	8	..
Up Park Camp	3.69	1.46	19	10	..
Kingston					
Kingston P. W. O.	3.10	1.20	31	5	3.48
Palisadoes	2.61	.88	19	6	..
Parade Gardens	2.91	0.86	31	9	..
Plumb Pt. Lighthouse	2.36	.89	19	4	4.37
St. George's College	3.58	.98	19	9	..
Upper Kingston	3.79	.91	19	10	3.05
St. Catherine					
Above Rocks	17.27	3.65	19	16	..
Barry and Lloyds L.S.	8.34	1.44	24	11	..
Bellas Gate	6.01	2.35	20	10	6.77
Bodles A.C.	4.65	1.11	15	9	..
Bog Walk	12.41	4.65	19	16	9.20
Brown's Hall	7.36	1.80	20	12	8.38
Carew Castle	11.29	3.93	19	14	10.67
Ewarton	13.48	5.66	20	13	..
Ginger Ridge	9.73	5.01	20	16	..
Glengoffe	16.86	4.00	19	19	..
Grove Farm A. C.	5.42	1.78	16	7	..
Guanaboa Vale	N/A	..	..	..	6.59
Headworks	5.95	1.73	16	15	7.16
Hematine	12.32	6.15	16	10	5.33
Hog Hole	4.27	1.10	16	13	6.52
Knollis	11.83	4.40	19	15	9.77
Linstead	8.93	2.36	20	10	9.37
Old Harbour	4.79	1.23	16	12	5.70
Pear Tree Grove	13.78	2.75	19	16	8.07
Point Hill	12.58	5.05	20	14	11.32
Quarantine Station	3.79	2.29	19	8	2.82
Rio Magno	16.22	3.00	16	20	8.39
Riversdale	17.24	3.75	4	17	8.78
Sligoville	12.24	2.22	19	19	10.21
Spanish Town	3.00	1.30	19	11	5.60
Troja	20.46	2.60	*16	20	10.67
Troja, L. S.	17.10	2.80	19	18	..
Tulloch Estate	12.41	4.25	19	16	..
Twickenham A. C.	2.76	1.58	19	4	..
Worthy Park	11.92	6.15	20	12	7.67
Clarendon					
Amity Hall	2.45	1.25	16	9	..
Beauchamp	2.69	1.14	16	8	..
Belle Plain	10.01	4.50	19	11	7.40
Bog	3.40	1.64	16	10	..
Carlisle	2.77	1.31	16	12	..
Chapelton	9.35	1.90	19	15	8.77
Clarendon Park J.G.R.	5.68	1.91	19	12	..

Stations	May, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
	ins.	ins.			ins.
Clarendon, *contd.*					
Colonel's Ridge	14.97	3.57	20	15	..
Cottage	4.59	1.55	16	9	4.49
Cotton Tree Gully	2.10	1.10	16	6	..
Croft's Hill	11.74	4.41	20	10	8.55
Crooked River	13.33	2.20	16	19	8.58
DaCosta	4.10	1.35	16	9	..
Douce Pennants	13.96	2.42	16	15	..
Exeter.	4.24	1.40	16	11	4.72
Experiment	3.04	1.12	16	7	..
Frankfield	13.33	2.00	*16	16	9.27
Gibbons	2.06	1.42	16	7	..
Glen Muir	7.40	1.68	*19	10	5.84
Grimmetts	4.28	1.19	16	8	..
Hillside	5.11	1.95	7	8	5.94
James Hill	17.32	4.00	16	16	..
Kellits	10.51	3.79	20	18	..
Knights	2.90	1.54	16	7	..
May Pen	5.75	1.42	16	11	6.36
Milk River	4.15	1.04	20	8	5.70
Morelands	5.42	1.55	7	9	6.57
Mumby	2.78	1.32	16	8	..
Peckham, L. S.	13.63	2.10	19	14	..
Pennants	13.39	4.25	19	13	..
Pusey Hall	3.42	1.60	16	8	..
Rock River	8.04	2.26	20	9	8.51
Salt Savannah	3.55	1.30	16	9	..
Silent Hill	13.75	3.43	20	11	..
Spaldings	15.45	3.47	20	16	8.71
Springfield	3.45	1.00	16	10	6.31
Suttons, J. G. R.	9.28	1.91	15	14	10.19
Suttons, W. I. S. Coy.	2.98	1.32	16	9	..
Teak Pen L. S.	13.12	4.17	19	12	..
Thompson Town	19.55	3.54	2	18	..
Trout Hall	12.26	2.01	15	21	9.55
Tweedside	9.34	1.65	7	9	..
Manchester					
Alligator Pond	5.58	1.50	16	8	4.92
Christiana	14.86	2.71	20	14	10.56
Chudleigh	18.26	3.80	10	17	10.25
Cocoawalk L. S.	9.71	3.00	16	8	..
Craig Head	12.44	2.55	8	9	..
Downs	..	..	..	..	..
Dunkeld	10.19	1.94	15	16	..
Garlogie	21.24	5.40	20	16	..
Greenvale	14.55	2.40	20	14	9.53
Grove Place	12.81	1.95	7	14	..
Holmwood	15.37	2.67	20	17	..
Hope, Spur Tree	6.63	1.40	19	15	..
Kendal	13.73	3.02	19	15	10.06
Mandeville	12.61	2.41	19	16	9.97
Mandeville, (Manchester Hotel)	11.77	2.25	7	18	..
Mile Gully	14.38	2.48	7	11	..
New Forest, L. S.	5.93	1.65	17	10	..
Newport	7.87	1.87	20	14	8.07
Porus	11.93	2.70	20	17	..
Ramble	3.22	2.22	20	2	..
Retrieve	5.41	2.24	20	6	4.83
Stones Hope	9.89	2.35	19	14	8.55
Williamsfield	13.63	1.92	19	17	9.76

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

Stations	May, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Elizabeth					
Aberdeen	21.29	2.15	15	22	..
Accompong	20.19	2.87	15	19	..
Appleton	18.87	3.53	15	21	13.35
Balaclava	15.10	2.65	19	14	12.59
Bartons	13.89	2.50	20	16	..
Black River	4.75	1.40	16	8	6.62
Braes River	13.51	2.80	6	14	..
Bull Savannah	4.53	1.59	17	6	..
Fort Charles	3.11	1.80	16	4	4.30
Ginger Hill	24.02	2.85	15	23	..
Gutters	5.35	2.65	20	6	..
Hodges Estate	7.96	2.92	19	13	..
Holland Estate	20.72	4.35	20	17	..
Hounslow	3.68	1.50	2	5	..
Ipswich	17.84	2.30	15	25	..
Lacovia	6.30	1.38	20	11	11.26
Lititz	6.55	1.27	16	8	..
Maggotty	23.32	5.40	20	17	13.43
Malvern	6.72	1.48	2	14	..
Middle Quarters	12.25	3.82	20	18	..
Mount Charles	14.38	4.05	20	21	..
Mulgrave	24.79	2.95	10	24	..
Munro	6.83	2.10	19	16	6.14
Myersville	5.08	1.40	2	9	..
Oxford	14.90	3.68	7	10	..
Pedro Plains	2.62	1.08	2	6	3.56
Quickstep	23.65	2.00	22	21	..
Santa Cruz	9.12	2.23	19	10	11.27
Southfield	8.51	1.00	*30	11	..
Springfield	19.19	4.02	18	24	..
Springvale	20.65	3.20	20	18	..
Torrington	6.40	1.40	15	8	6.45
Treasure Beach	4.39	1.68	16	9	..
Williamsfield	4.56	1.60	18	5	..
Windsor	6.55	1.37	9	16	8.24
Yardley Chase	4.50	1.80	16	6	..
Westmoreland					
Albany	15.22	3.03	11	19	..
Barham	14.86	1.80	1	24	..

Stations	May, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Westmoreland, *contd.*					
Bath Pen	11.83	2.05	16	13	..
Baulk	17.91	2.81	21	22	..
Belle Isle	20.88	3.90	1	23	12.21
Bethel Town	13.82	2.00	6	18	17.36
Blue Castle	13.97	1.80	3	23	..
Bluefields	13.06	2.27	1	20	11.65
Cornwall	14.82	2.73	18	22	..
Darliston	25.24	2.96	15	23	16.77
Fontabelle	14.21	2.37	11	22	11.62
Friendship	17.01	2.25	1	24	..
Frome	14.70	2.14	11	22	..
Grange Hill	N/A	..	..	..	13.16
Kew Park	17.98	2.71	6	24	13.47
Lamb's River	18.81	2.50	15	23	..
Little London	11.13	2.05	11	17	10.51
Masemure	17.00	3.35	11	24	..
Meyersfield	13.51	2.00	11	20	..
Midgham	24.62	4.40	11	23	..
Mint	19.84	4.01	11	24	..
Mount Eagle	17.38	3.51	11	23	..
Mount Eagle (P.W.D.)	15.08	2.20	17	26	..
Mount Edgecombe	6.65	1.13	2	16	8.18
Negril Pt. Lighthouse	8.87	1.40	1	18	6.22
New Market	43.38	4.65	15	23	13.50
Paul Island	16.57	3.45	11	22	..
Petersfield	9.26	2.30	18	24	..
Petersville	9.67	1.12	23	24	11.18
Prospect	20.27	1.91	15	26	..
Rat Trap	16.17	1.90	17	17	..
Retreat Estate	14.00	3.41	11	20	8.95
Retrieve	14.54	2.50	11	22	..
Sav.-la-Mar	9.80	1.60	1	15	8.49
Sheffield	20.61	3.74	17	19	..
Shrewsbury	12.75	2.38	1	21	..
St. Leonards	12.64	1.62	10	19	..
Water Works Farm	14.63	2.30	15	24	12.23
Welch Pole	19.47	2.20	15	23	..
Whithorn	10.20	1.70	15	13	13.74
Williamsfield	22.80	2.30	15	29	..

N.A.=Not available.

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

The Island Rainfall

As outlined in the January, 1946, 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 5 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—May, 1949

Parish	Rainfall for May			Rainfall, Jan.–May	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	12.92	10.10	19.5	21.31	25.19
St. James	10.90	8.36	16.6	18.18	21.12
Trelawny	10.26	8.56	15.0	19.32	22.81
St. Ann	10.71	7.64	13.9	19.06	23.77
St. Mary	8.70	9.01	11.8	22.56	30.47
Portland	14.35	13.14	14.2	34.61	47.73
St. Thomas	15.29	6.75	12.4	23.73	18.92
Kingston and St. Andrew ..	6.54	7.18	12.2	11.64	18.01
St. Catherine	10.40	7.81	13.5	16.15	19.41
Clarendon	7.87	8.49	11.4	12.52	19.45
Manchester	11.45	8.46	13.1	18.77	22.91
St. Elizabeth	11.84	8.87	13.7	24.25	24.43
Westmoreland	16.13	11.16	21.3	34.05	28.77
The Island	11.09	8.43 "70-Year"† 8.89	14.3 "45-Year" 12.0	21.18	23.46 "70-Year" 24.54

Note:—
†*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 May Rainfall

The May rains were even heavier than usual and the drought which had persisted since early in the year was completely broken. Most parishes received 2-3 inches in excess of the normal rainfall and 36 stations reported monthly totals exceeding 20 inches.

The mean for the Island of 11.09 inches was 23% above the normal and the rainfall was well distributed except in Clarendon, St. Mary and St. Andrew where the rainfall was slightly less than normal. Westmoreland was the wettest parish with 16.13 inches but St. Thomas, which is relatively dry at this time of the year, had the greatest excess over normal with 8.54 inches more than the 20-year average.

The highest monthly total was reported by New Market in Westmoreland with 43.38 inches.

The greatest daily fall occurred at Barrett's Gap in St. Thomas where 9.20 inches were recorded on the 19th. Port Antonio in Portland, recorded the next highest with 8.35 inches on the 31st.

The City of Kingston

Temperatures in Kingston were slightly lower than normal for the time of the year with a mean temperature of 80.0°F. The highest temperature in the City was 89.2°F on the 13th and 92.4°F was recorded at Hope Laboratory on the 29th.

Moderate thunderstorms were experienced at Palisadoes on 19th and 31st whilst thunder was heard on a further two occasions. Showers were observed over the mountains of St. Thomas and St. Andrew on 15 days and lightning was seen on 15 nights.

Solar halos were observed on 11 occasions and a lunar corona once.

Earthquakes

May, 1949

Date	Time	Intensity	Where felt
12th	No details		Hill Gardens, Cinchona
18th	1.30 a.m.	Slight	Cænwood, Portland
	1.34 a.m.	Slight	Mount Cressy, St. Andrew
31st	10.55 a.m.	Slight	Sligoville, St. Catherine
	11.10 a.m.	Slight	Buff Bay, Portland

British Caribbean Meteorological Service,
Palisadoes,
Kingston, Jamaica, B.W.I.
9th March, 1953.

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JAMAICA
WEATHER REPORT
FOR THE MONTH OF
JUNE, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs.
Castleton Gardens ..	496	..	..	68.6	81.6	..	84.5	63.2	21.3	89.1	29	60.4	4	28.7	..
Grove Place A.C. ..	1460	..	..	69.6	76.9	..	82.1	64.4	17.7	85.0	26	59.8	12	25.2	6.66
Hill Gardens ..	4900	..	..	60.9	67.6	..	72.3	58.7	13.6	78.0	22	56.5	8	21.5	..
Hope Laboratory ..	668	..	..	74.8	85.4	..	89.9	68.6	21.3	94.5	11	66.4	14	28.1	..
Kingston ..	80	..	..	77.9	85.0	..	88.8	74.3	14.5	93.5	25	71.3	14	22.2	..
Lorrimers ..	2700	..	..	67.0	..	..	79.1	63.7	15.4	83.0	*9	60.0	24	23.0	..
Morant Pt. Light Hs. ..	8	29.968	29.976	80.0	83.4	80.1	84.9	76.5	8.4	88.0	22	71.0	1	17.0	..
Negril Pt. Light Hs. ..	33	29.944	29.952	76.7	85.0	80.3	87.5	72.1	15.4	90.0	*10	70.0	*3	20.0	..
Orange River Ex. St.	450	..	..	73.4	81.6	..	85.9	68.0	17.9	89.0	14	64.4	9	24.6	7.41
Palisadoes Airport ..	19	29.967	29.961	79.6	85.4	81.9	86.9	76.9	10.0	90.0	22	74.0	1	16.0	7.45

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.†		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	64	86	76	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	68	96	69	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	56	83	61	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	69	81	69	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	71	77	73	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	65	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	75	85	76	79	75	85	SE	14	SE	12	SE	12	3.7	6.2	3.3	5.9	3.4	5.2
Negril Pt. Light Hs.	72	84	73	67	74	81	E	2	SE	10	SE	5	0.5	3.7	2.1	4.8	2.9	4.7
Orange River Ex. St.	71	92	73	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	72	76	75	70	73	74	E	8	SE	17	E	14	1.2	4.0	1.2	4.3	1.4	4.7

*And on other days. †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

The Rainfall is measured at 7 a.m. and recorded, by convention, having fallen on the previous day.

Stations	June, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish	17.93	2.95	14	20	15.49
Blenheim	10.91	1.46	23	21	..
Blue Hole	5.39	1.30	28	13	10.74
Cascade	15.02	2.70	2	18	..
Copse	6.34	.94	2	15	9.06
Cousin's Cove	11.03	1.75	16	27	10.77
Green Island	5.23	.89	15	17	11.23
Green River	9.79	1.94	27	16	..
Haughton Court, A.C.	10.96	1.65	6	18	8.25
Haughton Grove	10.50	2.55	6	16	9.28
Haughton Hall	6.44	.93	26	17	9.72
Hopewell	5.00	1.51	20	11	..
Kendal	9.52	1.29	28	18	..
Kingsvale	2.26	.54	27	15	10.98*
Lucea	7.59	1.56	2	14	7.90
Middlesex	13.12	2.08	28	18	..
Retirement	9.97	1.50	27	19	..
Santoy, L.S.	7.56	1.49	26	13	..
Shettlewood	6.72	1.35	12	17	..
St. James					
Adelphi	5.53	2.43	3	7	..
Anchovy	7.65	1.80	2	20	6.58
Cambridge	10.00	3.32	28	15	10.70
Catadupa	10.73	2.21	10	17	10.41
Cinnamon Hill	2.67	1.64	14	5	3.00
Cornwall Works	2.15	.91	11	5	..
Friendship	5.55	2.56	20	9	7.46
Irwin, A.C.	8.95	3.34	20	15	5.88
John's Hall	8.36	2.06	3	9	..
Kempshot	9.66	1.95	3	18	8.65
Lapland	9.56	1.75	10	17	..
Latium, L.S.	5.32	1.35	3	10	8.10
Maldon	N/A	..	..	..	..
Montego Bay	4.53	2.15	20	8	6.22
Montpelier	6.63	.79	29	22	7.40
Retirement	7.90	2.58	20	11	7.66
Richmond Hill	7.03	.83	13	17	..
Rose Hall	2.40	1.32	14	7	2.96
Running Gut	2.72	1.11	14	6	3.02
Spring Estate	2.82	.85	16	5	2.63
Success	1.79	.95	14	6	2.52
Sweetwater	11.67	2.22	1	13	..
Tryall	2.16	.80	14	3	4.84
Vaughansfield	13.13	3.19	1	11	..
Windsor Lodge	4.96	1.50	3	12	..

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

Stations	June, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Trelawny	Ins.	Ins.			Ins.
Albert Town	4.27	1.15	13	7	5.57
Arcadia	2.95	1.80	17	5	3.90
Clark's Town	2.10	.76	3	9	5.02
Duncans	0.65	.27	20	4	3.96
Falmouth	0.69	.25	27	4	2.68
Harmony Hall	1.16	0.35	20	7	2.86
Hyde and Gibraltar	1.73	.96	3	3	..
Litchfield	5.34	1.48	18	7	..
Lorrimers	8.76	3.75	18	12	..
Reserve Pen, L.S.	4.55	1.50	14	7	..
Stewart Town	2.36	1.10	17	7	..
Troy	6.08	1.50	12	10	8.13
Troy, L.S.	4.51	1.05	12	11	..
Ulster Spring	5.40	1.60	1	10	6.57
Vale Royal	2.10	.90	17	5	4.09
Wait-a-bit	5.67	1.65	18	10	..
Wakefield	3.93	.70	3	11	6.83
Warsop	4.08	1.13	22	10	6.35
St. Ann					
Alexandria	2.00	1.10	28	3	4.09
Armadale	3.71	.70	13	9	..
Averham Park	3.40	1.64	20	8	4.86
Bel-Air	2.00	.90	20	4	4.04
Beverley, L.S.	1.78	.72	27	4	..
Brown's Town	1.62	.28	15	6	3.91
Cave Valley	4.82	1.51	2	15	7.15
Chippenham Park	2.78	1.37	20	11	..
Claremont	3.12	.98	1	10	5.07
Cuffie Ridge	4.96	1.89	2	12	..
Discovery Bay	1.39	.55	20	5	..
Eltham	0.67	.31	19	4	..
Exchange	0.25	.14	10	2	..
Greenock	4.62	1.70	2	18	..
Home Castle	7.71	3.00	14	6	3.84
Knapdale	2.60	1.03	13	5	4.94
Liberty Hill	1.94	.63	14	9	3.31
Moneague	4.13	1.40	17	9	7.19
New Ground A.C.	2.90	1.20	14	6	..
Ocho Rios	1.98	.78	27	6	3.45
Richmond Estate	3.12	1.07	20	6	3.94
Richmond Pen, L.S.	5.88	1.65	21	9	4.55
Rio Hoe	4.15	1.95	17	11	7.21
Rockfield	2.75	.94	20	14	3.32
Runaway Bay	1.22	.60	20	3	2.05
Rural Retreat	3.33	.90	1	6	..
St. Ann's Bay	3.28	.84	14	8	3.72
Stepney	5.00	1.20	14	11	..
Thatchfield, L.S.	2.95	..	..	..	..
Unity	4.73	1.45	13	13	7.68
Watt Town	2.82	.90	20	6	4.01

Stations	June, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
St. Mary	Ins.	Ins.			Ins.
Agualta Vale	0.89	.40	16	6	3.58
†Carron Hall	1.66	.51	20	9	..
Castleton Gardens	5.53	3.43	14	9	9.18
Devon Pen, L.S.	3.27	1.08	16	7	..
Dover, Grays Inn	1.04	.58	27	6	4.75
Dover, L.S.	1.32	.40	27	7	..
Enfield	0.70	.24	27	4	4.82
Fort Stewart	.92	.43	14	5	..
Fort Stewart, L.S.	1.64	.75	27	5	..
Gibraltar	0.50	.33	26	2	..
Golden Grove, East	0.80	.60	27	3	..
Golden Grove, West	N/A	..	..	..	..
Gray's Inn Cen. Fact.	0.78	.42	14	3	..
Guy's Hill	7.07	3.05	20	8	5.81
Hampstead	0.54	.20	3	4	3.90
†Highgate	0.37	.27	2	2	..
Iter Boreale	0.65	.45	28	2	..
Jack's River	1.26	.50	27	5	..
Lady Hole	0.41	.21	27	2	..
Lower Esher	1.05	.36	15	4	..
Lucky Hill	2.98	1.05	14	8	4.70
Lucky Hill Pen	4.65	1.15	*13	9	..
Newry	0.35	.24	27	4	..
Nutfield, A.C.	0.85	.70	27	4	..
Oracabessa	1.13	.32	27	6	5.30
Orange River	2.04	.90	15	8	..
Platfield	2.59	.60	17	12	..
Port Maria	1.20	.62	27	5	4.69
Prospect Estate	1.53	.70	20	5	..
Quebec	1.70	.85	27	4	4.28
Retreat	1.42	.75	15	3	..
Richmond Farm Prison	2.83	1.45	15	11	..
Richmond P.W.D.	2.46	1.24	15	9	5.03
Warwick	N/A	..	..	..	..
Water Valley	0.67	.30	27	3	4.04
Western St. Mary	2.71	1.20	14	5	..
Windsor Castle	2.92	1.00	20	9	5.81
Portland					
Balcarres	5.02	2.50	2	6	2.49
Belle Vue	1.80	.70	2	4	..
Belvedere	2.40	1.80	14	2	2.81
Boundbrook, L.S.	10.11	3.57	15	13	..
Bruton Hall	4.61	1.41	2	7	..
Buff Bay	2.00	.60	15	7	6.26
Bybrook	2.37	.91	12	9	..
Caenwood,	4.41	1.76	15	13	..
Castle Comfort	8.80	3.26	2	10	..
Cedar Hurst	4.71	1.19	13	16	6.14
Chepstowe	1.95	.70	2	7	..
Darley	5.89	3.06	15	14	..
Ecclesdown	25.35	4.23	3	16	..
Fellowship	11.56	3.36	15	18	16.86
Fruitful Vale	3.38	.91	14	7	..
Hope Bay	5.14	2.40	15	9	8.33
Hopewell	2.26	1.01	27	9	..
Lennox	3.78	1.14	15	7	6.23
Manchioneal	7.71	2.90	2	17	8.30
Mill Bank	12.55	2.67	2	11	20.91
Moore Town	12.49	3.86	16	14	18.70
Mt. Holstein	4.55	2.05	13	8	5.73
Mt. Pleasant	7.58	4.04	15	9	..
Passley Gardens	21.67	..	..	..	13.34

Stations	June, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
Portland, *contd.*	Ins.	Ins.			Ins.
Plum Valley	3.69	1.68	14	9	..
Port Antonio	9.09	1.95	15	13	14.38
Priestman's River	6.71	3.00	2	16	9.20
Spring Gardens	2.37	.84	16	3	4.32
Tom's Hope	11.80	2.68	15	17	..
Windsor, A.C.	10.74	4.50	15	15	..
St. Thomas					
Barrett's Gap	12.87	6.37	2	9	..
Bath	13.02	6.10	2	13	11.60
Bowden Pen	11.92	4.92	2	10	..
Cedar Valley	10.08	1.75	2	19	11.38
Clifton Hill	8.49	3.97	2	12	..
Coley	7.95	2.59	2	10	11.96
Duckenfield	5.93	1.75	2	12	..
Easington	5.57	1.18	2	15	7.57
Golden Grove, J.S.E.	7.77	2.90	2	9	..
Llandewey	4.57	.95	15	8	..
Lloyds	7.08	1.85	15	8	..
Lyssons, L.S.	7.79	1.20	19	19	..
Morant Bay	8.22	3.50	2	9	7.99
Morant Point Light Hs.	6.47	3.23	2	11	5.70
Mt. Mansfield	8.34	..	..	..	..
Norris	5.48	1.25	2	10	..
Plantain Garden River	11.31	4.32	2	17	..
Pleasant Hill	10.46	5.21	2	15	6.99
Rowlandsfield, L.S.	11.33	3.84	2	19	..
Seaforth	10.16	2.15	15	16	..
Spanishwood	5.95	1.85	2	13	..
Sunning Hill, L.S.	8.37	1.00	2*	13	..
Wheelerfield	9.33	3.10	2	15	..
Yallahs	5.59	1.41	19	10	8.21
Kingston and St. Andrew					
Bamboo Avenue	3.33	1.91	13	10	..
Brandon Hill	6.22	2.80	14	8	..
Cavaliers	1.36	.68	19	10	..
Clifton Pen	1.21	.50	19	5	3.75
Constant Spring, F.P.	3.26	1.58	13	13	..
Constant Spring, Ch. Rd.	3.84	2.68	13	5	..
Dallas Castle	1.60	.66	2	11	6.67
Fort George	3.19	.94	13	18	..
Golden Spring	5.30	1.25	17	15	..
Gordon Town	1.73	.48	2	8	4.80
Grey Weathers	2.70	.65	13	18	..
Guava Ridge	0.98	.58	23	4	6.55
Halfway Tree	1.67	.45	13	5	3.46
Harbour Head	0.81	.34	22	6	..
Hardware Gap, P.W.D.	3.48	1.34	13	8	7.17
Hermitage	4.85	.89	13	17	6.74
Hill Gardens	3.64	1.29	2	12	6.69
Hope Farm Ag. Stn.	2.04	1.15	13	4	4.71
Hope Laboratory	2.90	1.78	13	10	..
Hope Waterworks	2.45	1.40	13	8	..
Irish Town	2.77	1.00	2	5	4.48
Iver	4.39	1.55	12	12	..
King's House Gardens	3.28	1.34	12	7	3.85

†Gauge transferred from Highgate to Carron Hall, 13/6/49 *And on other days.

Stations	June, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Langley	7.63	2.18	19	9	..
Lawrence Tavern	5.34	1.37	28	7	6.61
Mavis Bank	1.99	.62	23	10	6.55
Mount Airy	7.62	2.20	13	8	..
Mount Cressy	6.38	2.47	13	17	..
Mount Salus	4.25	1.60	13	5	..
Newcastle	2.71	.83	14	12	..
Penfield Water Works	1.54	.50	19	8	..
Red Hills	1.78	.48	19	8	5.55
Rose Hill	4.21	1.07	13	13	6.17
Sea View F.P.	3.41	1.26	13	10	..
Shortwood College	4.48	2.99	13	7	..
Stony Hill	4.99	1.15	13	11	6.52
Twickenham Pen	0.91	.31	2	5	..
Up Park Camp	1.65	.80	19	4	..
Kingston					
Kingston P.W.O.	0.35	.35	3	1	3.08
Palisadoes	0.66	.32	2	9	..
Parade Gardens	0.82	.50	19	3	..
Plumb Pt. Lighthouse	0.46	.29	2	2	4.04
St. George's College	1.19	.65	19	5	..
Upper Kingston	1.15	.58	19	7	2.78
St. Catherine					
Above Rocks	3.73	1.55	19	7	..
Barry & Lloyds, L.S.	4.93	2.80	2	5	..
Bellas Gate	4.61	1.74	2	8	4.59
Bodles	2.52	1.08	2	7	..
Bog Walk	6.30	1.55	*2	9	7.37
Brown's Hall	4.42	2.00	2	7	9.18
Carew Castle	5.89	1.50	19	10	8.27
Ewarton	2.83	1.10	19	5	..
Ginger Ridge	6.21	2.15	2	12	..
Glengoffe	7.37	2.62	13	8	..
Grove Farm, A.C.	3.51	2.70	2	5	..
Headworks	2.04	.90	29	8	4.61
Hematine	1.55	1.03	2	8	2.97
Hog Hole	2.59	1.60	2	8	4.46
Knollis	9.02	2.11	19	9	8.69
Linstead	6.89	1.80	2	10	7.36
Old Harbour	3.13	1.63	2	7	5.37
Pear Tree Grove	5.34	1.90	14	9	6.59
Point Hill	5.63	1.55	2	9	8.46
Quarantine Station	0.98	.57	2	7	2.88
Rio Magno	8.10	3.32	20	9	6.59
Riversdale	5.96	1.50	20	8	10.25
Sligoville	6.87	1.95	29	12	8.01
Spanish Town	1.91	1.09	3	6	5.68
Troja	3.64	1.55	17	4	8.41
Troja, L.S.	3.70	.95	14	8	..
Tulloch Estate	6.08	1.45	2	8	..
Twickenham, A.C.	0.80	.80	19	1	..
Worthy Park	3.86	1.35	2	11	6.77
Clarendon					
Amity Hall	5.15	2.18	2	8	..
Beauchamp	6.30	1.30	14	11	..
Belle Plain	5.94	2.89	2	8	7.50
Bog	5.09	2.40	2	9	..

Stations	June, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Carlisle	7.52	1.77	2	14	..
Chapelton	2.16	.77	29	7	6.22
Clarendon Park, J.G.R	4.87	3.00	3	7	..
Colonel's Ridge	4.23	1.66	2	8	..
Cottage	5.22	2.31	2	9	6.23
Cotton Tree Gully	5.00	2.45	2	9	..
Croft's Hill	2.32	1.80	2	4	5.03
Crooked River	5.42	3.02	2	9	7.27
DaCosta	4.51	1.52	2	8	..
Douce Pennants	7.06	3.43	2	8	..
Exeter	5.63	2.46	2	8	7.72
Experiment	5.07	2.08	2	8	..
Frankfield	3.80	1.68	2	8	6.78
Gibbons	4.35	1.95	2	9	..
Glen Muir	2.83	.85	27	7	4.74
Grimmetts	5.27	2.15	2	8	..
Hillside	4.68	2.05	2	7	8.76
James Hill	9.23	2.45	2	9	..
Kellits	2.94	1.20	18	8	..
Knights	5.74	2.09	2	10	..
May Pen	1.69	.88	27	5	5.28
Milk River	4.60	2.33	2	7	5.43
Morelands	5.08	2.30	2	7	3.25
Mumby	5.58	2.15	2	11	..
Peckham, L.S.	3.99	1.85	2	5	..
Pennants	4.28	2.25	1	9	..
Pusey Hall	5.55	1.40	2	10	..
Rock River	4.67	1.75	2	9	6.14
Salt Savannah	5.55	1.15	27	9	..
Silent Hill	3.38	1.10	2	6	..
Spaldings	5.22	2.48	2	11	6.08
Springfield	4.14	1.32	2	9	8.60
Suttons, J.G.R.	3.37	1.20	2	6	6.58
Suttons, W.I.S.C	5.09	2.05	2	7	..
Teak Pen, L.S.	3.99	1.56	2	12	..
Thompson Town	6.69	2.40	2	12	..
Trout Hall	4.14	2.59	2	8	5.62
Tweedside	2.50	1.02	1	8	..
Manchester					
Alligator Pond	4.50	1.00	23	10	4.02
Christiana	3.68	.95	2	12	6.23
Chudleigh	4.53	1.50	2	8	4.92
Cocoawalk, L.S.	7.23	1.85	15	7	..
Craig Head	4.86	2.10	18	4	..
Dunkeld	7.02	1.45	22	12	..
Garlogie	11.14	5.44	2	11	..
Greenvale	3.73	1.64	28	11	6.54
Grove Place	5.20	1.25	28	14	..
Holmwood	4.25	1.72	2	13	..
Hope, (Spur Tree)	4.98	1.55	2	13	..
Kendal	7.62	2.82	3	10	7.49
Mandeville	6.16	2.25	2	9	8.45
Mandeville (Manch. Hot)	6.50	2.20	2	10	..
Mile Gully	4.30	2.15	28	8	..
New Forest, L.S.	3.21	1.10	23	7	..
Newport	6.64	1.82	2	11	7.50
Porus	7.40	4.07	2	11	..
Ramble	4.42	2.42	20	2	..
Retrieve	6.48	3.84	2	4	4.12
Stones Hope	6.58	1.35	2	12	7.70
Williamsfield	7.07	3.05	2	10	10.39

*And on other days.

Stations	June, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	7.56	4.40	18	14	..
Accompong ..	N/A	..	..	..	..
Appleton	8.10	3.98	18	16	6.90
Balaclava	2.97	1.10	18	6	4.89
Bartons	2.85	1.22	18	6	..
Black River ..	6.14	1.40	29	12	3.73
Braes River ..	7.40	1.75	18	10	..
Bull Savannah ..	3.68	1.19	18	7	..
Fort Charles ..	0.00	..	..	0	2.85
Ginger Hill ..	5.13	1.65	18	8	..
Gutters	1.30	.50	*18	4	..
Hodges Estate ..	3.56	.74	28	9	..
Holland Estate ..	5.12	1.68	28	11	..
Hounslow	1.97	1.00	18	4	..
Ipswich	5.45	1.62	18	13	..
Lacovia	6.52	2.57	18	8	6.75
Lititz	7.28	1.82	18	7	..
Maggotty	6.06	1.70	18	13	6.91
Malvern	3.63	1.44	18	7	..
Middle Quarters ..	2.51	1.03	28	13	..
Mount Charles ..	4.42	1.07	28	14	..
Mulgrave	5.44	1.80	18	8	..
Munro	5.58	2.98	18	12	6.11
Myersville	2.32	1.24	18	5	..
Oxford	3.35	1.13	18	13	..
Pedro Plains ..	2.57	1.11	18	6	2.59
Quickstep	6.95	1.80	18	9	..
Santa Cruz ..	6.88	1.85	29	9	5.25
Southfield	7.29	1.50	23	8	..
Springfield	5.56	1.77	19	10	..
Springvale	7.05	1.67	28	11	..
Torrington ..	3.92	1.70	18	4	3.62
Treasure Beach ..	3.10	.80	23	6	..
Williamsfield ..	1.43	.74	18	3	..
Windsor	3.73	1.40	18	12	5.84
Yardley Chase ..	2.30	1.10	18	4	..

Stations	June, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland	Ins.	Ins.			Ins.
Albany	6.63	1.20	19	11	..
Barham	4.81	1.35	18	12	..
Bath Pen	2.86	.72	19	5	..
Baulk	5.47	1.35	19	12	..
Belle Isle	8.42	2.37	18	12	9.51
Bethel Town ..	6.57	1.30	14	15	11.76
Blue Castle ..	5.49	1.55	18	14	..
Bluefields	5.57	1.71	28	9	9.28
Cornwall	3.99	1.33	19	15	..
Darliston	6.13	1.07	13	15	10.82
Fontabelle	7.31	2.35	18	14	10.09
Friendship	5.29	1.75	18	14	..
Frome	6.92	1.22	26	11	..
Grange Hill ..	N/A	..	..	..	11.25
Kew Park	7.75	1.62	14	16	9.36
Lamb's River ..	6.35	2.10	7	8	..
Little London ..	4.56	1.26	2	8	9.08
Masemure	7.58	1.81	19	14	..
Meyersfield ..	7.27	1.75	18	9	..
Midgham	8.35	2.05	19	10	..
Mint	7.71	2.08	26	15	..
Mount Eagle ..	7.14	1.35	26	12	..
Mount Eagle (P.W.D.)	6.81	1.50	26	12	..
Mount Edgecombe ..	4.95	.98	19	12	6.37
Negril Point L.H. ..	4.59	1.30	27	11	5.60
New Market ..	12.68	2.50	13	15	8.61
Paul Island ..	9.00	2.35	18	11	..
Petersfield	3.00	.48	27	16	..
Petersville	4.02	1.10	19	9	7.62
Prospect	8.69	2.00	18	18	..
Rat Trap	6.80	1.40	10	14	..
Retreat Estate ..	3.47	0.89	2	9	7.38
Retrieve	4.62	1.05	19	12	..
Sav.-la-Mar ..	5.20	1.66	28	9	6.53
Sheffield	9.08	2.75	3	10	..
Shrewsbury ..	6.00	1.20	18	16	..
St. Leonard's ..	N/A	..	..	..	..
Water Works Farm ..	3.91	1.40	18	13	9.23
Welch Pole ..	7.45	1.80	14	13	..
Whithorn	6.68	2.00	18	9	10.63
Williamsfield ..	7.90	1.65	18	16	..

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

The Island Rainfall

As outlined in the January 1946 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 6 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—June, 1949

Parish	Rainfall for June			Rainfall, Jan.—June	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches
Hanover	9.01	10.50	17.0	30.32	35.69
St. James	6.41	6.87	11.2	24.59	27.99
Trelawny	3.68	5.08	7.7	23.00	27.89
St. Ann	3.15	4.18	8.0	22.21	27.95
St. Mary	1.84	4.85	5.8	24.40	35.32
Portland	7.22	9.06	10.5	41.83	56.79
St. Thomas	8.50	9.85	12.7	32.23	28.77
Kingston and St. Andrew ..	2.97	5.34	8.6	14.61	23.35
St. Catherine	4.50	5.98	7.8	20.65	25.39
Clarendon	4.76	5.95	8.4	17.28	25.40
Manchester	5.79	6.72	9.5	24.66	29.63
St. Elizabeth	4.55	5.04	8.6	28.80	29.47
Westmoreland	6.33	8.89	12.2	40.38	37.66
The Island	5.03	6.58 "70-Year" 6.91	9.5 "45-Year" 10.5	26.21	30.04 "70-Year" 31.45

NOTE:— †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 mean rainfall for the whole Island was 5.03 inches, showing a deficiency of 23% on the normal rainfall for June. The distribution of rainfall followed the normal trend for the time of year with the highest average falls occurring in Hanover, St. Thomas, Portland and Westmoreland. The driest Parish was St. Mary, which had only 36% of the normal rainfall.

The highest monthly total of 25.35 inches was recorded at Ecclesdown in the Parish of Portland while Passley Gardens in the same Parish had 21.67 inches.

The heaviest daily falls occurred at Barret's Gap (6.37 inches) and Bath (6.10 inches), both in the Parish of St. Thomas.

Earthquakes

None reported this month.

Tropical Disturbances

No disturbances formed this month in the Atlantic, Caribbean or Gulf areas.

City of Kingston

The mean temperature for the month was 81.0°F with all temperatures consistently rather less than 1°F below the normal for June. The range of temperature in the City was only 0.6 F different from the short-term mean, while at Hope Gardens the difference was 0.4°F.

The warmest day in the City was the 25th with a maximum of 93.5°F and the coolest night was on the 14th, then the minimum fell to 71.3°F.

The rainfall over the City was only about a quarter of the amount expected in June.

Rain fell on 9 days at Palisadoes which included slight thunderstorms on 2 days. Thunderstorms were observed over the mountains of St. Andrew and St. Thomas on a further 7 days. Lightning was seen on 9 nights.

Solar halos were seen on 8 occasions and lunar coronæ 5 times.

British Caribbean Meteorological Service,
Palisadoes,
Kingston, Jamaica, B.W.I.
4th May, 1953

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No. 878

JAMAICA
WEATHER REPORT
FOR THE MONTH OF
JULY, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are altocumulus at middle levels i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs.
Castleton Gardens ..	496	..	..	70.5	82.5	..	86.6	64.7	21.9	90.5	23	61.5	16	29.0	..
Grove Place A.C. ..	1460	..	..	70.0	77.5	..	83.1	64.9	18.2	88.3	19	61.1	*1	27.2	6.93
Hill Gardens ..	4900	..	..	61.7	68.7	..	73.7	59.3	14.4	78.0	*18	57.3	5	20.7	..
Hope Laboratory ..	668	..	..	74.2	85.6	..	91.5	69.1	22.4	96.0	2	66.4	6	29.6	..
Kingston ..	80	..	..	77.7	85.1	..	90.1	74.5	15.6	92.9	18	70.7	10	22.2	..
Lorrimers ..	2700	..	..	67.4	..	..	80.8	64.3	16.5	85.0	30	62.0	*10	23.0	..
Morant Pt. Light Hs. ..	8	29.985	29.985	81.0	84.4	81.0	86.4	78.1	8.3	90.0	19	73.0	21	17.0	..
Negril Pt. Light Hs. ..	33	29.962	29.965	76.6	86.4	80.8	88.0	72.4	15.6	90.0	*27	75.0	*4	17.0	..
Orange River Ex. St.	450	..	..	72.7	82.1	..	87.1	67.7	19.4	90.2	23	63.7	4	26.5	7.11
Palisadoes Airport ..	19	29.982	29.973	80.0	86.0	82.7	85.9	77.3	8.6	91.0	27	71.0	*9	20.0	7.94

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.†		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	65	85	77	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	68	95	70	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	59	88	66	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	69	85	72	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston . ..	71	79	70	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers ..	65	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	76	85	77	79	76	86	SE	12	SE	12	SE	10	4.2	6.2	4.1	5.4	2.9	4.2
Negril Pt. Light Hs.	72	85	74	67	75	81	E	3	SE	9	SE	3	0.5	1.8	2.6	4.0	3.2	5.0
Orange River Ex. St.	72	94	73	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	72	76	75	69	74	74	NW	7	SE	18	E	15	1.3	3.8	1.8	4.1	1.6	3.8

*And on other days. †Temperatures are read a p.m. a (non-synoptic reporting stations.

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.

The Rainfall is measured at 7 a.m. and recorded, by convention, as having fallen on the previous day.

Stations	July, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish	14.78	1.73	13	21	10.21
Blenheim	10.54	1.58	15	15	..
Blue Hole	5.28	1.50	25	12	6.02
Cascade	16.11	2.96	19	18	..
Copse	6.99	1.82	30	10	7.54
Cousin's Cove	9.61	1.87	20	23	9.27
Green Island	9.17	1.53	25	18	9.01
Green River	10.49	1.90	13	16	..
Haughton Court, A.C.	9.60	1.71	6	14	4.99
Haughton Grove	12.03	1.86	1	18	8.58
Haughton Hall	8.88	1.48	8	20	8.37
Hopewell	2.75	1.27	25	10	..
Kendal	10.26	2.20	20	15	..
Kingsvale	4.44	1.00	20	13	9.33
Lucea	7.98	2.12	25	12	5.18
Retirement	15.78	2.40	20	20	..
Santoy, L.S.	8.31	1.81	20	9	..
Shettlewood	10.56	2.62	20	17	..
St. James					
Adelphi	4.13	1.17	3	9	..
Anchovy	3.69	1.10	6	10	4.80
Cambridge	12.65	2.43	20	21	9.29
Catadupa	10.65	2.57	20	17	9.28
Cinnamon Hill	0.89	.42	6	4	1.30
Cornwall Works	1.53	.65	6	4	..
Friendship	3.53	.75	3	9	4.14
Irwin, A.C.	3.66	.86	6	13	3.77
John's Hall	4.04	.87	6	7	..
Kempshot	2.73	.79	17	11	5.83
Lapland	12.37	3.15	20	20	..
Latium, L.S.	4.44	1.30	6	10	5.47
†Maldon	4.16	1.00	1	5	..
Mocho	N.A.	..	..	..	11.05
Montego Bay	3.17	.87	21	8	3.34
Montpelier	8.20	1.62	*20	18	6.12
Retirement	3.32	1.11	17	8	4.74
Richmond Hill	11.25	2.20	30	15	..
Rose Hall	0.90	.37	6	4	1.26
Running Gut	1.40	.90	6	4	1.32
Spring Estate	1.05	.53	6	3	1.44
Success	0.52	.24	25	3	1.34
Sweetwater	7.93	2.40	20	16	..
Tryall	1.24	.64	6	4	3.16
Vaughansfield	N.A.	..	..	..	..
Windsor Lodge	4.76	1.25	6	11	..

† 1st to 13 July only. *And on other days. N/A. Not available.

Stations	July, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Trelawny	Ins.	Ins.			Ins.
Albert Town	5.86	1.59	28	9	5.06
Arcadia	1.73	.48	28	7	2.23
Clark's Town	2.69	.64	8	7	4.10
Duncans	1.96	.82	21	6	2.45
Falmouth	1.44	.90	15	4	1.53
Harmony Hall	2.29	1.03	21	7	1.60
Hyde and Gibraltar	2.58	1.10	8	4	..
Lichfield	2.05	.60	27	7	..
Lorrimers	2.75	.56	1	10	..
Reserve Pen, L.S.	2.25	.75	15	6	..
Stewart Town	7.09	4.05	29	11	..
Troy	5.94	1.59	9	11	6.90
Troy, L.S.	7.08	1.46	29	13	..
Ulster Spring	7.36	2.02	28	12	5.41
Vale Royal	1.62	.50	28	9	2.71
Wait-a-bit	4.45	1.30	28	11	..
Wakefield	4.49	1.08	14	12	5.47
Warsop	7.58	3.00	29	6	7.15
St. Ann					
Alexandria	4.40	1.66	22	4	2.76
Armadale	3.09	1.30	15	5	..
Averham Park	3.33	1.33	20	8	3.05
Bel-Air	1.75	.50	21*	7	2.26
Beverley, L.S.	1.65	1.00	17	6	..
Brown's Town	3.26	.79	10	11	2.51
Cave Valley	7.20	1.86	14	15	4.61
Chippenham Park	4.92	1.64	29	17	..
Claremont	2.54	.96	17	5	3.29
Cuffie Ridge	4.58	.97	1	11	..
Discovery Bay	2.58	1.42	15	4	..
Eltham	2.43	1.10	14	5	..
Exchange	0.09	0.09	20	1	..
Greenock	7.39	2.07	14	15	..
Home Castle	2.35	.95	14	3	2.39
Knapdale	2.91	.65	15	14	3.65
Liberty Hill	2.28	1.10	23	5	1.92
Moneague	3.33	1.19	10	4	4.58
New Ground A.C.	3.05	1.20	24	8	..
Ocho Rios	3.70	1.16	23	8	2.36
Richmond Estate	3.44	1.50	28	7	2.14
Richmond Pen, L.S.	4.71	2.16	14	7	2.89
Rio Hoe	2.87	1.40	20	4	4.15
Rockfield	3.75	1.09	21	15	3.03
Runaway Bay	0.99	.80	16	3	1.29
Rural Retreat	3.77	1.65	29	5	..
St. Ann's Bay	2.87	.80	17	6	2.79
Stepney	0.00	..	..	0	..
Thatchfield, L.S.	3.35	.90	21	7	..
Unity	2.54	.87	10	11	5.58
Watt Town	3.95	1.18	14	8	2.82

Stations	July, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
St. Mary	Ins.	Ins.			Ins.
Agualta Vale	2.03	.94	2	8	3.21
Carron Hall	1.85	.90	21	9	..
Castleton Gardens	5.64	2.75	29	9	6.44
Devon Pen, L.S.	8.97	3.50	15	8	..
Dover, Grays Inn	3.43	.82	2	10	..
Dover, L.S.	4.75	.84	6	11	4.85
Enfield	5.52	2.25	15	5	4.40
Fort Stewart	2.64	.82	15	6	..
Fort Stewart, L.S.	2.48	.62	4	5	..
Gibraltar	2.40	.70	3	6	..
Golden Grove	2.64	.85	6	9	..
Gray's Inn Cen. Fact.	3 05	1.01	2	10	..
Guy's Hill	2.95	.94	21	7	4.56
Hampstead	1.75	.50	19	7	2.88
Iter Boreale	2.23	1.00	3	6	..
Jack's River	4.37	1.32	4	10	..
Lady Hole	2.52	.77	2	6	..
Lower Esher	2.04	.96	2	7	..
Lucky Hill	2.11	1.25	19	6	3.29
Lucky Hill Pen	2.35	2.05	19	4	..
Newry	2.71	.68	2	11	..
Nutfield, A.C.	1.55	.65	2	6	..
Oracabessa	3.05	.72	15	10	4.28
Orange River	1.66	.66	15	9	..
Platfield	1.93	.64	13	8	..
Port Maria	3.63	1.00	2	14	3.81
Prospect Estate	2.79	1.80	15	2	..
Quebec	5.33	2.15	15	7	3.57
Retreat	1.93	1.50	15	4	..
Richmond Farm	2.19	.75	15	13	..
Richmond	2.11	.83	15	9	3.32
Warwick	N.A.	..	..	..	..
Water Valley	2.59	1.00	3	9	3.05
Western St. Mary	N.A.	..	..	..	..
Windsor Castle	2.93	.95	22	7	3.89
Portland					
Balcarres	10.55	2.53	14	10	4.14
Belle Vue	5.20	1.10	6	10	..
Belvedere	3.87	1.68	6	7	3.88
Boundbrook, L.S.	20.96	7.85	25	13	..
Bruton Hall	8.74	2.80	25	10	..
Buff Bay	5.32	1.26	3	14	6.36
Bybrook	3.90	1.20	6	8	..
Caenwood,	9.88	2.46	10	17	..
Castle Comfort	9.57	3.00	26	7	..
Cedar Hurst	4.21	1.00	30	15	5.20
Chepstowe	5.44	1.50	6	10	..
Darley	17.19	6.28	25	18	..
Ecclesdown	5.23	2.11	13	8	..
Fellowship	21.17	8.95	25	17	14.17
Fruitful Vale	9.23	1.90	6	13	..
Hope Bay	11.42	2.85	25	12	11.88
Hopewell	7.02	1.68	10	14	..
Lennox	7.34	1.50	10 & 25	10	10.14
Manchioneal	6.91	2.23	10	11	5.84
Mill Bank	17.66	2.84	24	16	21.31
Moore Town	21.12	3.82	25	18	17.38
Mt. Holstein	9.54	3.85	14	13	4.90
Mt. Pleasant	20.42	6.82	25	12	..
Passley Gardens	19.42	..	..	..	12.14

Stations	July, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
Portland, *contd.*	Ins.	Ins.			Ins.
Plum Valley	3.98	1.11	6	10	..
Port Antonio	16.46	6.06	25	15	10.61
Priestman's River	9.09	1.95	24	13	7.27
Spring Gardens	4.94	1.14	3	9	..
Tom's Hope	20.81	9.10	25	18	..
Windsor, A.C.	18.47	5.18	25	15	..
St. Thomas					
Barrett's Gap	6.99	1.89	24	10	..
Bath	5.92	.92	15	12	8.36
Bowden Pen	20.37	3.00	10	13	..
Cedar Valley	9.50	1.90	20	15	4.90
Clifton Hill	6.42	1.20	10*	16	..
Coley	9.28	1.60	15	12	7.27
Duckenfield	4.25	1.04	20	15	..
Easington	4.06	1.00	24	16	5.20
Golden Grove, J.S.E.	5.66	1.20	6	12	..
Llandewey	5.57	1.25	25	10	..
Lloyds	6.12	1.30	24	10	..
Lyssons, L.S.	3.86	1.25	20	10	..
Morant Bay	6.09	1.69	24	9	5.25
Morant Point Light Hs.	3.95	1.38	20	13	3.26
†Mt. Mansfield	8.89	2.56	24	7	..
Norris	3.87	1.06	24	12	..
Plantain Garden River	8.14	1.80	6	17	..
Pleasant Hill	6.23	1.35	20	16	4.63
Rowlandsfield, L.S.	7.06	1.76	6	18	..
Seaforth	6.98	1.37	24	18	..
Spanishwood	4.15	1.38	20	11	..
Sunning Hill, L.S.	9.48	1.85	6	14	..
Wheelerfield	6.05	1.70	6	14	..
Yallahs	3.12	1.02	20	17	5.60
Kingston and St. Andrew					
Bamboo Avenue	2.53	.86	28	8	..
Brandon Hill	6.64	2.25	14	10	..
Cavaliers	3.11	1.45	9	12	..
Clifton Pen	4.38	2.32	9	9	1.75
Constant Spring, Ch. Rd.	3.35	.72	24	11	..
Constant Spring, F.P.	6.57	1.90	14	14	..
Dallas Castle	3.63	2.01	9	12	4.69
Fort George	6.76	2.16	14	15	..
Golden Spring	5.90	2.00	14	11	..
Gordon Town	3.32	.70	6*	9	2.68
Grey Weathers	6.10	1.45	14	15	..
Guava Ridge	3.15	.85	6	6	4.16
Halfway Tree	3.08	.99	9	10	1.87
Harbour Head	1.96	1.13	9	6	..
Hardware Gap, P.W.D.	7.55	1.50	29	13	4.38
Hermitage	7.78	1.45	13	15	6.56
Hill Gardens	4.29	1.14	25	13	3.54
Hope Farm Ag. Stn.	3.23	1.13	9	9	2.67
Hope Laboratory	2.70	.92	9	12	..
Hope Waterworks	2.76	.85	9	13	..
Irish Town	5.30	1.50	15	8	2.14
Iver	4.11	1.12	14	13	..
King's House Gardens	3.25	1.50	28	9	2.49

†Raindays incomplete. *And on other days.

Stations	July, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Langley	5.73	1.09	8	12	..
Lawrence Tavern	4.94	1.50	14	7	5.13
Mavis Bank	3.45	.56	20	10	4.16
Mount Airy	6.90	2.27	14	6	..
Mount Cressy	5.14	.84	10	16	..
Mount Salus	6.00	2.70	9	9	..
Newcastle	4.69	.95	30	13	..
Penfield Water Works	3.27	1.00	6	8	..
Red Hills	7.34	4.00	4	9	5.50
Rose Hill	7.05	1.53	14	12	5.75
Sea View F.P.	7.04	2.10	14	11	..
Shortwood College	4.05	.78	9	11	..
Stony Hill	7.16	2.25	14	9	4.96
Twickenham Pen	3.75	2.50	9	9	..
Up Park Camp	2.93	1.30	9	5	..
Kingston					
Kingston P.W.O.	2.68	.99	9	7	1.34
Palisadoes	2.82	2.12	9	8	..
Parade Gardens	2.60	1.50	10	6	..
Plumb Pt. Lighthouse	1.25	1.00	9	4	1.88
St. George's College	3.36	1.50	9	8	..
Upper Kingston	2.82	1.55	9	12	2.26
St. Catherine					
Above Rocks	12.80	2.35	28	11	..
Barry & Lloyds, L.S.	5.08	2.12	5	6	..
Bellas Gate	5.96	1.20	15	10	3.04
Bodles	3.00	1.51	24	7	..
Bog Walk	5.05	1.95	20	9	6.18
Brown's Hall	3.50	1.02	10	11	5.20
Carew Castle	13.10	2.01	30	12	6.45
Ewarton	4.60	1.80	8	6	..
Ginger Ridge	4.08	.96	15	16	..
Glengoffe	9.17	2.30	4	11	..
Grove Farm, A.C.	1.26	.80	24	3	..
Headworks	3.09	1.32	9	8	3.29
Hematine	0.97	.35	9	9	1.97
Hog Hole	2.10	.90	9	9	2.42
Knollis	5.04	2.45	20	9	6.56
Linstead	6.50	2.31	1	7	5.95
Old Harbour	4.48	2.12	9	8	2.37
Pear Tree Grove	0.61	.61	26	1	4.22
Point Hill	5.59	1.60	20	10	6.68
Quarantine Station	4.42	4.10	9	5	1.53
Rio Magno	2.71	1.10	13	6	6.44
Riversdale	7.52	1.60	20	10	9.58
Sligoville	9.45	2.91	8	15	8.39
Spanish Town	1.56	.77	24	9	2.17
Troja	3.13	1.26	13	5	5.69
Troja, L.S.	4.75	1.90	15	6	..
Tulloch Estate	8.20	2.70	20	14	..
Twickenham, A.C.	2.10	1.05	8*	2	..
Worthy Park	4.70	1.02	3*	11	4.33
Clarendon					
Amity Hall	1.37	1.00	10	3	..
Beauchamp	2.07	1.24	10	5	..
Belle Plain	2.95	.42	15	11	6.20
Bog	1.41	.83	10	6	..

Stations	July, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Carlisle	1.79	1.03	10	6	..
Chapelton	4.03	1.55	20	11	3.51
Clarendon Park, J.G.R.	3.69	1.80	5	7	..
Colonel's Ridge	7.56	2.48	29	13	..
Cottage	1.42	.85	10	4	4.17
Cotton Tree Gully	1.80	1.05	10	5	..
Croft's Hill	6.82	1.30	14	11	3.60
Crooked River	11.32	2.72	14	16	5.94
DaCosta	1.44	.83	10	4	..
Douce Pennants	15.06	4.15	14	15	..
Exeter	1.62	1.02	10	5	1.51
Experiment	1.90	1.11	10	5	..
Frankfield	7.73	3.16	14	4	6.61
Gibbons	1.73	1.02	10	6	..
Glen Muir	1.85	.30	24	10	3.85
Grimmetts	.68	.30	20	3	..
Hillside	1.89	1.10	10	3	3.91
James Hill	11.77	5.10	6	14	..
Kellits	5.20	.97	29	16	..
Knights	1.65	.95	10	4	..
May Pen	1.20	.37	10	6	3.26
Milk River	0.27	.27	24	1	2.57
Morelands	1.29	.95	10	3	2.81
Mumby	1.88	1.15	10	5	..
Peckham, L.S.	9.21	2.32	14	13	..
Pennants	6.14	2.00	20	14	..
Pusey Hall	1.47	1.02	10	4	..
Rock River	4.01	1.35	14	6	4.80
Salt Savannah	1.05	.60	10	4	..
Silent Hill	3.99	1.14	20	6	..
Spaldings	5.57	1.44	20	11	5.10
Springfield	1.40	.70	10	5	3.21
Suttons, J.G.R.	4.33	1.46	20	10	6.40
Suttons, W.I.S.C.	1.50	1.12	10	3	..
Teak Pen, L.S.	3.75	2.10	20	8	..
Thompson Town	11.21	3.02	20	15	..
Trout Hall	13.48	2.53	14	15	4.75
Tweedside	4.86	1.32	20	6	..
Manchester					
Alligator Pond	3.45	2.00	24	6	2.30
Christiana	4.68	1.35	20	13	4.35
Chudleigh	3.89	1.55	20	8	4.23
Cocoawalk, L.S.	N/A.	..	..	..	..
Craig Head	2.80	2.80	11	1	..
Dunkeld	4.33	1.50	20	9	..
Garlogie	14.35	4.30	20	13	..
Greenvale	4.27	1.32	20	10	4.75
Grove Place	5.10	1.55	20	15	..
Holmwood	3.99	1.31	20	10	..
Hope, (Spur Tree)	2.48	.75	20	11	..
Kendal	7.53	1.93	20	15	5.41
Mandeville	7.69	2.48	20	14	5.73
Mandeville (Manch. Hot)	7.81	2.40	21	12	..
Mile Gully	4.63	1.60	20	7	..
New Forest, L.S.	1.05	.47	10	4	..
Newport	5.46	1.30	19	10	3.98
Porus	7.81	2.50	20	12	..
Ramble	7.62	2.50	12	4	..
Retrieve	2.44	.80	7	6	2.59
Stones Hope	3.41	0.81	15	9	3.98
Williamsfield	10.04	2.65	20	15	7.56

*And on other days.

Stations	July, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	7.94	2.06	9	12	..
Appleton	6.25	1.47	28	13	7.19
Balaclava	6.57	2.70	28	8	4.87
Bartons	7.48	1.65	28	9	..
Black River ..	5.91	2.30	5	12	4.49
Braes River ..	7.30	1.90	14	10	..
Bull Savannah ..	N/A.	..	..	..	..
Fort Charles ..	1.06	.78	20	2	1.96
Ginger Hill ..	9.31	1.86	28	14	..
Gutters	2.10	.75	20	6	..
Hodges Estate ..	4.80	.86	2	15	..
Holland Estate ..	6.27	1.12	19	13	..
Hounslow	3.17	1.12	14	6	..
Ipswich	13.03	2.73	28	17	..
Lacovia	8.42	2.73	14	10	5.02
Lititz	2.24	1.21	20	3	..
Maggotty	7.95	2.62	28	11	8.15
Malvern	3.77	.86	20	9	..
Middle Quarters ..	3.86	.90	5	9	..
Mount Charles ..	7.51	1.65	28	13	..
Mulgrave	14.62	2.80	20	10	..
Munro	1.95	.96	20	11	2.76
Myersville	2.20	1.64	20	5	..
Oxford ..	5.37	2.40	28	12	..
Pedro Plains ..	0.62	.26	20	4	1.68
Quickstep	9.20	1.40	15	11	..
Santa Cruz ..	7.88	2.72	14	8	5.24
Southfield	1.94	.80	6	4	..
Springfield	7.59	1.85	29	8	..
Springvale	9.70	2.60	28	14	..
Torrington ..	1.90	.74	21	4	2.45
Treasure Beach ..	1.13	.39	14	7	..
Williamsfield ..	1.88	.95	14	3	..
Windsor	3.86	.90	20	13	3.55
Yardley Chase ..	0.00	..	..	0	..

Stations	July, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland					
Albany	3.75	1.26	20	9	..
Barham	9.88	2.10	3	19	..
Bath Pen	5.20	2.37	9	6	..
Baulk	10.14	1.71	28	18	..
Belle Isle	4.80	.76	20	16	9.27
Bethel Town ..	7.83	2.28	20	12	12.91
Blue Castle ..	5.93	1.00	4	18	..
Bluefields	8.46	3.15	20	18	9.36
Cornwall	6.51	1.16	7	18	..
Darliston	13.36	1.77	20	22	11.60
Fontabelle	4.09	.80	8	14	9.34
Friendship	9.56	1.58	3	20	..
Frome	4.30	.77	20	15	..
Grange Hill ..	N/A.	..	..	..	11.33
Kew Park	10.94	1.90	31	19	10.06
Lamb's River ..	13.67	2.80	20	16	..
Little London ..	3.46	1.76	20	8	8.30
Masemure	6.40	2.28	4	14	4.14
Meyersfield ..	2.92	1.45	20	11	..
Midgham	7.59	2.60	4	14	..
Mint	6.41	1.34	5	19	..
Mount Eagle, W.I.S.C.	5.41	1.03	4	16	..
Mount Eagle (P.W.D.)	5.58	.94	13	16	..
Mount Edgecombe ..	7.75	1.64	16	17	6.88
Negril Point L.H. ..	3.59	.87	13	10	5.76
New Market ..	17.46	4.25	12	11	8.48
Paul Island ..	3.68	.75	9	11	..
Petersfield	5.36	1.40	9	19	..
Petersville	7.60	1.47	29	13	7.71
Prospect	11.95	1.82	28	23	..
Rat Trap	4.55	1.50	28	10	..
Retreat Estate ..	2.64	1.02	5	6	7.29
Retrieve	4.32	1.75	4	14	..
Sav.-la-Mar ..	4.52	2.10	9	8	6.27
Sheffield	5.93	1.50	4	10	..
Shrewsbury ..	11.05	1.74	20	19	..
St. Leonard's ..	15.36	3.50	28	13	..
Water Works Farm ..	8.39	1.40	16	16	9.74
Welch Pole ..	10.45	1.55	28	16	..
Whithorn	7.42	1.35	14	10	10.62
Williamsfield ..	9.50	1.20	19	19	..

* 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

Stations are asked to make sure that the reading made at 7 a.m. is recorded for the previous day, not for the day of reading. This is a convention which however must be used since most of Jamaica rain falls in the afternoon and is not measured till the following day.

A number of cards are received with no headings of Parish or Station Name, and so cause much trouble. There are the usual number of tardy or inexplicably missing returns, which are extracted from reluctant gaugekeepers sometimes only after a lapse of six months or so. It is difficult to see why this should be so.

The Island Rainfall

As outlined in the January 1946 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 7 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—July, 1949

Parish	Rainfall for July			Rainfall, Jan.—July	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches
Hanover	9.64	8.07	15.6	39.96	43.76
St. James	4.68	4.82	9.8	29.27	32.81
Trelawny	3.96	3.96	8.4	26.96	31.85
St. Ann	3.20	3.01	7.4	25.41	30.96
St. Mary	3.03	3.75	7.8	27.43	39.07
Portland	11.17	8.76	12.5	53.00	65.55
St. Thomas	6.75	6.22	13.5	38.98	34.99
Kingston and St. Andrew ..	4.47	4.10	10.1	19.08	27.45
St. Catherine	4.95	4.60	8.5	25.60	29.99
Clarendon	4.18	4.65	7.7	21.46	30.05
Manchester	5.47	5.30	9.7	30.13	34.93
St. Elizabeth	5.43	5.23	9.0	34.23	34.70
Westmoreland	7.44	9.40	14.6	47.82	47.06
The Island	5.58 ..	"70 Year"† 5.30 5.22	10.2 "45-Year" 9.5	31.79 ..	35.34 "70-Year" 36.67

NOTE:— †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 or practical comparison purposes.

The July Rainfall

Over most of the Island the rainfall was up to 25% in excess of the seasonal average but in St. Mary, Clarendon and Westmoreland there was a deficiency of about 15%. The Island mean for the month of 5.58 inches was fractionally higher than the normal.

Portland recorded the highest Parish average of 11.17 inches, Hanover being second with 9.61 inches

The highest monthly total was registered at Fellowship with 21.17 inches closely followed by Moore Town with

The highest monthly total was registered at Fellowship with 21.17 inches closely followed by Moore Town with 21.12 inches. Both these Stations are in Portland.

The heaviest daily falls occurred in the parish of Portland on the 25th when Tom's Hope recorded 9.10 inches and Fellowship had 8.95 inches. Five other Stations in Portland had falls in excess of 5 inches on the same date

Hail was reported on 26th at Lapland and Sweetwater in St. James and at Mount Edgecombe in Westmoreland. The hail at Lapland was described as "abundant".

Earthquakes—Nil

City of Kingston

All temperatures were 1–2°F below the normal for the time of the year. The mean daily temperature in the City was 81.4°F compared with the average of 82.3°F.

The highest maximum 92.9° F on the 18th and the lowest minimum 70.7°F on the 10th showed the same trend but readings at Hope Gardens were only fractionally below the average.

The average rainfall in the City was 2.87 inches, which is 0.60 inches in excess of the normal July figure.

Rain fell at Palisadoes on 8 days with thunderstorms on 3 days, the heaviest of which occurred on the 9th. Thunderstorms were observed over the mountains of St. Thomas and St. Andrew on 11 days and lightning was seen on a further 11 occasions.

Solar and lunar halos were seen on 6 occasions and lunar coronae 3 times.

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JAMAICA
WEATHER REPORT

FOR THE MONTH OF
AUGUST, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32°F., gravity at Latitude 45°F and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	Hrs.
Castleton Gardens	496	..	..	71.4	82.9	..	86.4	65.1	21.3	90.5	11	62.9	19	27.6	..
Grove Place A.C.	1460	..	..	68.8	79.6	..	85.2	64.5	20.7	89.6	12	58.7	22	30.9	7.22
Hill Gardens	4900	..	..	62.0	68.1	..	74.3	59.7	14.6	80.0	22	57.3	*9	22.7	..
Hope Laboratory	668	..	..	73.7	85.8	..	91.8	69.0	22.8	96.1	7	65.7	5	30.4	..
Kingston	80	..	..	77.9	85.9	..	90.2	74.5	15.7	94.1	4	72.2	30	21.9	..
Lorrimers	2700	..	..	68.0	..	..	82.1	64.8	17.3	85.0	14	61.0	*20	24.0	..
Morant Pt. Light Hs.	8	29.955	29.956	82.3	84.3	81.6	86.9	77.8	9.1	92.0	23	70.0	*11	22.0	..
Negril Pt. Light Hs.	33	29.939	29.932	76.7	86.8	79.6	88.6	72.9	15.7	93.0	24	71.0	1	22.0	..
Orange River Ex. St.	450	..	..	72.6	84.3	..	89.1	67.7	21.4	92.5	26	61.9	1	30.6	7.26
Palisadoes Airport	19	29.955	29.943	80.0	86.1	83.5	88.1	77.5	10.6	91.0	*4	75.0	*22	16.0	8.33

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m. †		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	65	84	77	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	67	95	71	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	57	83	63	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	69	86	73	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	71	78	75	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	67	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	75	79	77	78	76	83	SE	9	SE	9	SE	9	3.2	5.3	3.4	4.9	3.8	4.3
Negril Pt. Light H.	72	85	75	67	71	74	E	3	W	9	SE	5	0.4	2.9	2.0	3.5	3.0	4.4
Orange River Ex. St.	71	93	71	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	71	74	74	68	74	71	E	5	SE	17	SE	10	1.0	3.3	1.4	3.1	1.9	4.4

*And on other days †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

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

Stations	August, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	21.74	2.45	30	21	13.30
Blenheim	12.05	2.02	30	17	..
Blue Hole	4.59	.80	29	12	6.45
Cascade	24.55	5.06	16	15	..
Copse	7.68	2.00	21	10	10.80
Cousin's Cove	9.95	1.84	29	23	7.61
Green Island	12.02	1.90	29	17	9.24
Green River	18.96	2.80	13	17	..
Haughton Court A. C.	9.89	1.65	13	14	9.46
Haughton Grove	12.00	2.20	30	18	11.05
Haughton Hall	12.13	1.91	27	20	7.86
Hopewell	3.72	1.27	13	9	..
Kendal	16.90	2.06	17	20	..
Kingsvale	4.65	.80	30	18	9.42
Lucea	7.48	1.70	13	12	6.15
Retirement	19.00	2.52	30	23	..
Santoy L. S.	13.01	1.95	29	13	..
Shettlewood	15.18	4.17	21	17	..
St. James					
Adelphi	7.49	3.24	25	8	..
Anchovy	5.25	1.17	14	14	6.39
Cambridge	11.74	1.96	25	18	11.03
Catadupa	17.21	2.54	25	21	13.17
Cinnamon Hill	2.02	.83	8	6	2.37
Cornwall Works	3.75	1.55	25	6	..
Friendship	4.31	1.06	25	11	6.53
Irwin A. C.	4.15	1.66	25	13	6.61
John's Hall	6.52	1.50	25	9	..
Kempshot	4.64	1.36	27	15	7.76
Lapland	15.53	2.06	25	22	..
Latium L. S.	5.79	1.50	25	11	8.42
Maldon	N.A.	..	..	..	..
Mocho	N.A.	..	..	..	14.50
Montego Bay	3.74	1.35	30	9	5.15
Montpelier	10.31	1.53	25	18	6.80
Retirement	4.28	.97	30	12	6.90
Richmond Hill	10.84	1.35	17	17	..
Rose Hall	2.47	1.37	8	7	2.29
Running Gut	3.00	1.71	8	5	2.56
Spring Estate	2.76	1.85	8	4	2.44
Success	2.28	.90	31	6	2.25
Sweetwater	17.88	3.05	21	18	..
Tryall	2.69	1.13	8	6	4.57
Vaughansfield	9.22	5.00	31	4	..
Windsor Lodge	5.73	1.48	25	11	..

N.A.—Not available.

Stations	August, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Trelawny					
Albert Town	8.23	1.62	28	11	9.00
Arcadia	1.40	.75	17	4	3.34
Clark's Town	5.38	1.21	13	9	5.27
Duncans	0.47	.20	24	3	3.67
Falmouth	0.93	.45	8	7	2.46
Harmony Hall	0.82	.40	24	4	2.42
Hyde and Gibraltar	10.96	3.50	25	8	..
Lichfield	4.19	1.05	8	10	..
Lorrimers	6.74	1.32	27	11	..
Reserve Pen, L.S.	2.35	.75	25	6	..
Stewart Town	3.56	1.18	13	11	..
Troy	9.97	1.70	12	14	9.90
Troy Land Settlement	9.53	1.83	12	13	..
Ulster Spring	9.06	2.15	17	15	8.40
Vale Royal	1.81	.65	17	5	4.55
Wait-a-bit	4.19	1.05	8	10	..
Wakefield	3.27	.65	31	13	5.05
Warsop	7.63	2.15	5	14	9.84
St. Ann					
Alexandria	2.36	.90	17	6	4.78
Armadale	2.86	1.02	17	9	..
Averham Park	3.08	2.30	17	3	4.91
Bel-Air	.90	.90	23	1	3.60
Beverley L. S.	2.70	1.10	23	4	..
Brown's Town	3.52	1.00	25	8	4.45
Cave Valley	7.04	1.18	31	12	7.25
Chippenham	2.20	1.39	25	6	..
Claremont	2.39	1.90	17	4	5.09
Cuffie Ridge	8.21	2.71	8	13	..
Discovery Bay	0.85	.50	24	2	..
Eltham	4.12	1.76	6	6	..
Exchange	0.00	..	..	0	..
Greenock	7.19	2.40	17	13	..
Home Castle	4.20	2.05	25	4	3.65
Knapdale	1.37	.49	23	5	6.14
Liberty Hill	1.18	.93	26	2	3.11
Moneague	2.77	1.70	18	4	6.51
New Ground A. C.	2.17	.82	7	6	..
Ocho Rios	4.77	2.97	6	6	3.25
Richmond Estate	1.77	.70	25	4	3.07
Richmond Pen, L.S.	3.37	1.19	25	10	4.87
Rio Hoe	1.14	.37	18	4	6.02
Rockfield	2.44	.90	25	8	4.45
Runaway Bay	0.65	.50	24	2	2.08
Rural Retreat	1.59	1.12	17	3	..
St. Ann's Bay	2.54	1.60	25	5	3.40
Stepney	0.67	.40	30	7	..
Thatchfield L. S.	1.99	.89	24	3	..
Unity	3.60	1.38	18	12	6.67
Watt Town	4.04	1.40	17	11	4.43
Wilton	N.A.	..	..	..	..
St. Mary					
Agualta Vale	0.94	.37	30	6	4.37
Carron Hall	2.02	1.18	30	8	..
Castleton Gardens	4.21	1.80	18	8	10.71
Devon Pen	1.24	.45	6	5	..
Dover L.S.	2.07	.35	23	9	5.82
Dover G.I.	1.69	.40	30	10	..
Enfield	0.60	.20	23	4	7.17

Stations	August, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Fort Stewart	0.88	.33	30	4	..
Fort Stewart, L.S.	0.00	..	..	0	..
Gibraltar	0.75	.20	*.9	5	..
Golden Grove, East	1.80	.45	30	10	..
Gray's Inn Cntl. Facty.	0.51	.19	23	5	..
Guy's Hill	2.03	1.24	29	5	5.77
Hampstead	1.75	1.16	30	3	4.37
Iter Boreale	1.31	.40	25	7	..
Jack's River	2.62	.98	30	7	..
Lady Hole	0.45	.17	24	4	..
Lower Esher	2.07	.86	30	6	..
Lucky Hill	1.96	1.56	6	4	3.38
Lucky Hill Pen	2.25	2.05	6	2	..
Newry	1.01	.40	11	7	..
Nutfield A. C.	0.12	.03	11	6	..
Oracabessa	3.61	1.34	3	8	6.73
Orange River	1.42	.88	30	7	..
Platfield	4.81	2.08	15	12	..
Port Maria	5.03	1.80	2	10	5.08
Prospect Estate	4.22	1.84	6	5	..
Quebec	2.65	1.35	26	6	4.88
Retreat	1.67	.80	31	4	..
Richmond	1.41	.72	30	9	5.20
Richmond Farm	0.53	.22	13	7	..
Warwick	9.00	8.00	6	2	..
Water Valley	1.55	.55	30	8	4.25
Western St. Mary	N.A.	..	..	..	..
Windsor Castle	2.19	.90	29	5	7.08
Portland					
Balcarres	4.20	1.50	24	7	7.15
Belle Vue	2.05	.80	7	5	..
Belvedere	1.57	.50	30	5	5.72
Boundbrook, L.S.	7.86	2.02	30	12	..
Bruton Hall	6.88	2.20	30	9	..
Buff Bay	2.66	.91	30	10	6.09
Bybrook	1.83	.55	30	7	..
Caenwood	2.99	.94	30	11	..
Castle Comfort	3.43	1.43	30	5	..
Cedar Hurst	1.99	0.53	18	9	7.97
Chepstowe	2.70	.85	30	7	..
Darley	6.14	2.48	30	8	..
Ecclesdown	14.92	2.56	8	17	..
Fellowship	8.70	3.15	30	8	14.05
Fruitful Vale	4.83	1.69	9	8	..
Hope Bay	3.19	1.00	30	8	9.37
Hopewell	3.18	.69	31	9	..
Lennox	1.60	1.10	31	3	7.76
Manchioneal	12.47	4.20	30	10	7.78
Mill Bank	16.73	4.24	30	15	17.27
Moore Town	12.01	4.45	30	13	15.88
Mount Holstein	3.47	1.09	24	8	7.32
Mount Pleasant	N.A.	..	..	..	..
Passley Gardens	6.36	..	..	..	10.97
Plum Valley	4.99	1.25	23	8	..
Port Antonio	5.05	1.60	30	11	11.63
Priestman's River	N.A.	..	..	..	8.46
Shrewsbury	N.A.	..	..	..	9.08
Spring Garden	2.33	.83	30	9	6.60
Tom's Hope	7.33	2.30	30	11	..
Windsor A. C.	9.28	2.75	30	8	..

Stations	August, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	13.45	3.55	30	8	10.04
Bath	19.18	4.94	31	15	..
Bowden Pen	20.18	4.00	30	12	..
Cedar Valley	7.48	1.95	30	9	9.53
Citron Valley L.S.	N.A.	..	..	..	..
Clifton Hill	13.49	3.42	30	13	..
Coley	6.19	2.00	30	8	9.92
Duckenfield	10.87	2.70	30	11	..
Easington	3.27	1.21	30	5	6.47
East Prospect	N.A.	..	..	..	6.90
Golden Grove J. S. E.	13.15	3.40	9	11	..
Llandewey	2.50	.65	30	6	..
Lloyds	6.40	2.25	30	4	..
Lyssons L.S.	8.44	2.50	28	14	..
Morant Bay	7.73	3.69	28	6	6.53
Morant Pt. Lighthouse	11.23	2.62	30	16	5.12
Mount Mansfield	13.50	3.50	28	8	..
Norris L.S.	4.33	1.34	30	8	..
Norris, P.W.D.	3.27	1.21	30	5	..
Plantain Garden River	16.91	4.37	30	12	..
Pleasant Hill	13.77	3.51	30	10	7.13
Rowlandsfield L. S.	16.97	5.76	30	15	..
Seaforth	6.53	1.55	30	11	..
Spanishwood	8.93	1.87	30	14	..
Sunning Hill L.S.	7.81	1.84	8	7	..
Wheelerfield	14.97	4.20	30	15	..
Yallahs	5.11	2.07	30	6	5.52
Kingston and St. Andrew					
Bamboo Avenue	1.85	.48	18	10	..
Brandon Hill	2.20	1.00	15	5	..
Cavaliers	2.42	.60	15	11	..
Clifton Pen	2.15	.83	5	9	4.34
Constant Spring F. P.	7.05	2.42	17	16	..
Constant Spring Ch. R.	6.82	3.25	17	10	..
Dallas Castle	3.04	1.43	18	8	8.35
Fort George	5.31	1.26	17	18	..
Golden Spring	7.20	1.40	17	13	..
Gordon Town	2.17	.40	9	10	5.88
Grey Weathers	5.73	1.44	17	15	..
Guava Ridge	2.33	0.71	30	6	6.96
Halfway Tree	2.27	.83	5	10	4.03
Harbour Head	1.82	.65	30	6	..
Hardware Gap P.W.D.	3.61	1.40	9	11	8.27
Hermitage	3.82	1.00	17	16	10.22
Hill Gardens	3.48	.62	18	11	7.77
Hope Farm Agr. Stn.	2.70	1.43	18	6	6.01
Hope Laboratory	1.75	0.46	18	11	..
Hope Water Works	2.33	1.10	18	12	..
Irish Town	3.20	1.00	17	8	6.92
Iver	4.59	1.67	17	10	..
King's House Gardens	2.60	1.25	17	8	4.84
Langley	5.88	2.62	15	11	..
Lawrence Tavern	3.57	1.50	6	5	8.65
Mavis Bank	3.55	.74	30	10	6.96
Mount Airy	4.54	1.77	27	4	..
Mount Cressy	4.02	1.67	15	12	..
Mount Salus	4.56	2.85	15	4	..
Newcastle	3.53	1.35	18	8	..
Penfield Water Works	2.17	.42	30	10	..

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

Stations	August, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Red Hills	4.45	1.28	15	10	7.73
Rose Hill	4.54	1.55	18	13	9.80
Seaview Filter Plant	4.89	1.49	17	12	..
Shortwood College	6.28	2.43	17	7	..
Stony Hill	4.11	1.85	22	7	9.00
Twickenham Pen	2.07	1.02	5	9	..
Up Park Camp	2.89	.72	5	9	..
Kingston					
Kingston P. W. O.	1.29	.30	9	8	3.15
Palisadoes	1.37	.51	31	6	..
Parade Gardens	1.74	.29	9	8	..
Plumb Pt. Lighthouse	0.55	.30	11	2	3.78
St. George's College	2.72	.65	24	9	..
Upper Kingston	2.54	.61	20	10	4.86
St. Catherine					
Above Rocks	8.37	2.30	16	8	..
Barry and Lloyds L.S.	2.05	1.32	12	4	..
Bellas Gate	4.40	.90	27	12	7.72
Bodles A.C.	0.82	.55	24	3	..
Bog Walk	9.40	1.95	3	12	8.28
Brown's Hall	8.57	2.00	25	15	7.88
Carew Castle	4.80	1.93	2	11	9.82
Ewarton	3.39	1.80	27	6	..
Ginger Ridge	7.04	1.70	27	14	..
Glengoffe	5.89	2.35	2	11	..
Grove Farm A. C.	1.26	.71	31	3	..
Guanaboa Vale	N.A.	..	..	..	7.23
Headworks	0.80	.29	25	6	5.87
Hematine	1.26	.46	30	9	4.41
Hog Hole	0.95	.37	12	6	4.59
Knollis	9.17	2.16	1	13	9.14
Linstead	3.51	1.47	2	6	8.45
Old Harbour	1.85	1.06	24	7	5.16
Pear Tree Grove	1.12	.77	17	2	6.53
Point Hill	10.13	2.16	22	15	10.41
Quarantine Station	1.09	.57	30	7	3.07
Rio Magno	3.40	1.60	13	4	8.31
Riversdale	7.17	2.95	17	8	9.91
Sligoville	7.16	1.39	16	15	11.11
Spanish Town	1.32	.37	30	7	4.19
Troja	2.06	.70	17	4	7.47
Troja, L. S.	N.A.	..	..	..	..
Tulloch Estate	9.07	1.80	22	12	..
Twickenham A. C.	1.20	.36	28	5	..
Worthy Park	5.77	1.40	27	13	5.72
Clarendon					
Amity Hall	2.17	.99	28	8	..
Beauchamp	2.28	.80	28	5	..
Belle Plain	4.53	1.50	25	8	6.88
Bog	2.71	.99	30	6	..
Brixton Hill	N.A.	..	..	..	..
Dull Head	N.A.	..	..	..	..
Carlisle	3.23	1.10	28	9	..
Chapelton	3.66	1.98	27	10	6.28
Clarendon Park J.G.R.	1.87	.78	31	5	..

Stations	August, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Colonel's Ridge	6.33	2.40	27	11	..
Cottage	2.49	1.00	30	6	4.49
Cotton Tree Gully	1.26	.66	30	5	..
Croft's Hill	5.78	2.07	27	7	7.96
Crooked River	7.72	1.93	27	15	7.65
DaCosta	3.60	1.03	28	6	..
Douce Pennants	10.44	2.62	27	12	..
Exeter	3.68	.75	25	8	4.07
Experiment	2.72	.71	28	9	..
Frankfield	9.70	1.96	27	11	8.58
Gibbons	1.78	.66	30	6	..
Glen Muir	2.35	.50	25	6	5.66
Grimmetts	5.04	2.30	25	6	..
Hillside	1.66	.72	30	4	4.10
James Hill	5.98	2.00	17	10	..
Kellits	3.72	1.60	27	11	..
Knights	2.56	1.20	28	4	..
May Pen	1.84	.58	30	6	5.35
Milk River	1.76	.76	25	3	4.29
Morelands	2.81	1.12	30	6	5.41
Mumby	2.30	.87	28	6	..
Peckham, L. S.	8.05	2.58	27	11	..
Pennants	4.97	2.70	27	9	..
Pusey Hall	3.10	1.30	28	6	..
Rock River	4.65	2.12	21	5	6.71
Salt Savannah	2.36	.91	28	4	..
Silent Hill	5.37	1.50	27	7	..
Spaldings	6.72	1.70	27	13	7.57
Springfield	2.91	1.10	25	6	4.87
Suttons, J. G. R.	4.54	2.42	27	10	6.97
Suttons, W. I. S. Coy.	2.44	.78	31	4	..
Teak Pen L. S.	2.72	.86	27	13	..
Thompson Town	7.52	1.86	27	11	..
Trout Hall	9.00	2.41	27	14	8.55
Tweedside	8.19	1.29	11	15	..
Manchester					
Alligator Pond	1.44	.69	28	4	3.94
Christiana	6.53	1.51	30	14	7.05
Chudleigh	3.80	1.30	18	11	8.25
Cocoawalk L. S.	N.A.	..	..	..	..
Craig Head	5.21	1.50	27	5	..
Downs	N.A.	..	..	..	..
Dunkeld	4.08	1.20	22	8	..
Garlogie	5.70	1.73	27	10	..
Greenvale	2.41	.46	30	13	6.88
Grove Place	3.17	.97	27	14	..
Holmwood	5.88	1.63	27	10	..
Hope, Spur Tree P.O.	3.93	1.10	30	11	..
Kendal	4.36	.85	22	10	8.08
Mandeville	3.76	1.08	29	11	8.70
Mandeville, (Manchester Hotel)	4.26	.95	31	12	..
Mile Gully	4.36	1.09	28	12	..
New Forest, L. S.	2.62	1.15	28	9	..
Newport	4.19	.90	26	8	7.41
Porus	3.79	.65	24*	12	..
Ramble	1.35	1.17	24	2	..
Retrieve	4.30	1.40	28	6	4.30
Stones Hope	2.36	1.16	8	4	6.55
Williamsfield	3.27	.80	27	11	9.69

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

Stations	August, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Elizabeth					
Aberdeen	5.89	1.58	15	15	..
Accompong	N.A.	..	..	..	..
Appleton	N.A.	..	..	..	11.15
Balaclava	6.10	1.65	5	9	8.04
Bartons	4.02	.87	11	13	..
Black River	1.55	.45	12	4	6.12
Braes River	6.25	1.40	25	8	..
Bull Savannah	N.A.	..	..	..	..
Fort Charles	2.27	.90	24	4	2.72
Ginger Hill	15.50	2.55	23	17	..
Gutters	2.58	.70	24	7	..
Hodges Estate	2.91	1.15	12	10	..
Holland Estate	6.10	1.58	12	13	..
Hounslow	1.83	1.33	24	3	..
Ipswich	12.61	2.01	12	17	..
Lacovia	4.35	1.05	5	8	7.80
Lititz	2.44	.61	30	4	..
Maggotty	8.04	1.76	17	12	11.20
Malvern	4.20	1.62	24	12	..
Middle Quarters	4.50	1.56	12	13	..
Mount Charles	6.11	1.33	18	13	..
Mulgrave	17.89	3.75	12	13	..
Munro	3.20	.63	15	11	4.45
Myersville	1.51	.50	24	4	..
Oxford	6.98	2.39	25	20	..
Pedro Plains	0.91	.34	31	4	3.04
Quickstep	N.A.	..	..	..	..
Santa Cruz	7.91	2.29	12	10	9.16
Southfield	1.80	1.02	31	3	..
Springfield	12.10	1.95	16	12	..
Springvale	10.46	3.68	15	12	..
Torrington	2.48	.90	24	4	5.46
Treasure Beach	0.91	.28	12	4	..
Williamsfield	2.01	0.89	24	4	..
Windsor	4.60	1.78	24	14	6.96
Yardley Chase	1.70	.70	31	3	..
Westmoreland					
Albany	11.89	2.80	13	15	..
Barham	10.26	2.26	28	17	..

Stations	August, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Westmoreland, *contd.*					
Bath Pen	11.90	3.14	13	8	..
Baulk	11.05	1.65	13	16	..
Belle Isle	16.98	4.00	13	16	10.26
Bethel Town	13.95	2.05	30	16	12.75
Blue Castle	9.75	2.50	13	18	..
Bluefields	12.47	2.68	1	17	11.09
Cornwall	12.16	2.95	17	17	..
Darliston	13.79	1.89	28	17	15.16
Fontabelle	11.82	2.70	13	18	11.01
Friendship	11.34	1.75	13	16	..
Frome	11.67	2.80	13	18	..
Kew Park	13.03	2.34	30	18	11.97
Lamb's River	19.86	2.95	30	19	..
Little London	8.56	2.96	13	10	7.35
Masemure	11.21	2.94	13	15	..
Meyersfield	7.42	2.60	13	12	..
Midgham	12.84	4.05	13	16	..
Mint	12.31	2.90	17	19	..
Mount Eagle	10.93	1.60	17	20	..
Mount Eagle (P.W.D.)	11.93	1.64	13	19	..
Mount Edgecombe	6.17	1.46	28	19	8.31
Negril Pt. Lighthouse	7.07	1.40	13	13	6.37
New Market	12.48	2.11	1	16	12.16
Paul Island	11.76	3.09	13	14	..
Petersfield	5.65	1.20	13	17	..
Petersville	5.26	1.17	28	11	10.36
Prospect	16.34	2.32	28	23	..
Rat Trap	6.03	1.25	4	8	..
Retreat Estate	8.05	1.91	13	11	8.26
Retrieve	8.33	2.20	13	14	..
Sav.-la-Mar	7.67	3.25	13	10	7.67
Sheffield	15.91	3.41	13	19	..
Shrewsbury	8.51	2.09	13	18	..
St. Leonards†	9.55	2.00	21	11	..
The Bog	N.A.	..	..	..	12.53
Water Works Farm	13.39	2.62	17	13	11.95
Welch Pole	11.43	2.38	17	18	..
Whithorn	10.02	1.50	15	11	11.78
Williamsfield	16.83	3.00	21	20	..

N.A. = Not available.

†Gauge out of order 1st to 14th.

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

The Island Rainfall

As outlined in the January, 1946, 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 8 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—August, 1949

Parish	Rainfall for August			Rainfall, Jan.–August	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	12.53	8.94	16.4	52.49	52.70
St. James	6.82	6.43	11.3	36.09	39.24
Trelawny	5.03	6.27	9.3	31.99	38.12
St. Ann	2.83	4.90	5.9	28.24	35.86
St. Mary	2.07	6.06	6.1	29.50	45.13
Portland	5.74	9.96	9.0	58.74	75.51
St. Thomas	10.23	8.62	10.0	49.21	43.61
Kingston and St. Andrew ..	3.45	7.74	9.4	22.53	35.19
St. Catherine	4.39	7.36	8.5	29.99	37.35
Clarendon	4.25	7.46	8.0	25.71	37.51
Manchester	3.85	8.33	9.4	33.98	43.26
St. Elizabeth	5.37	8.15	9.4	39.60	42.85
Westmoreland	11.23	10.61	15.7	59.05	57.67
The Island	5.72	7.56 "70-Year"† 7.14	9.7 "45-Year" 11.5	37.51	42.90 "70-Year" 43.81

Note:—

†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

The Island average was about 75% of the normal seasonal rainfall but the distribution was very erratic. Hanover and St. Thomas received 20-30% in excess of the average whereas St. Mary, St. Andrew and Manchester received less than half the normal amounts. Westmoreland, which usually receives the heaviest rainfall in August, recorded slightly more than the normal.

The highest monthly total for August was reported by Cascade in the parish of Hanover with 24.55 inches, the second highest was at Askenish in the same parish with 21.74 inches.

The greatest daily falls were recorded at Warwick in St. Mary (8.00 inches) and at Rowlands Field in St. Thomas (5.76 inches).

Tropical Storms in August, 1949

The first hurricane of the 1949 season was discovered on 21st August about 300 miles north of San Juan, Puerto Rico. The path of this hurricane was completely over the sea and the only land station to report high winds was Cape Hatteras, North Carolina.

The second hurricane formed about 125 miles NE. of St. Martin, Leeward Islands, on 23rd August. It moved WNW. parallel to the line of the Greater Antilles and passed over Florida on 26th-27th August causing much damage to the citrus crop.

The third hurricane of the month was discovered on 30th August about 100 miles ESE. of Barbados. This storm never developed to a full hurricane but caused heavy rains on the Island of Barbados with considerable damage due to flooding. The storm entered the Caribbean on 1st September and dissipated before reaching Puerto Rico.

City of Kingston

The mean temperature in the City was 0.4°F below the average for August, although both the highest maximum and the lowest minimum were slightly above normal.

Thunderstorms, slight in intensity, occurred at Palisadoes on 2 days during the month, while heavy thunderstorms were seen over St. Thomas on 9th, 18th and 26th and over St. Andrew on 28th August.

Thunder was heard on a further 8 days and lightning was seen on 19 nights. Showers were observed falling in the vicinity of Kingston on 13 days and solar halos were seen on 5 occasions.

British Caribbean Meteorological Service,
Palisadoes,
Kingston, Jamaica, B.W.I.
4th May, 1953.

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JAMAICA
WEATHER REPORT

FOR THE MONTH OF
SEPTEMBER, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32°F., gravity at Latitude 45°F and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

Stations	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	Hrs.
Castleton Gardens	496	..	..	69.7	81.9	..	86.6	64.2	22.4	91.4	6	61.5	28	29.9	..
Grove Place A.C.	1460	..	..	70.6	77.4	..	84.0	65.8	18.2	90.1	22	62.1	*8	28.0	5.90
Hill Gardens	4900	..	..	62.0	67.0	..	73.0	59.8	14.2	81.0	7	55.5	27	25.5	..
Hope Laboratory	668	..	..	73.8	85.4	..	90.2	69.9	20.3	96.4	18	68.0	28	28.4	..
Kingston	80	..	..	78.2	87.5	..	89.0	75.0	14.0	93.0	*18	72.2	*24	20.8	..
Lorrimers	2700	..	..	68.1	..	..	81.3	64.4	16.9	85.0	*9	62.0	*9	23.0	..
Morant Pt. Light Hs.	8	29.903	29.901	80.3	84.7	81.6	86.7	74.5	12.2	89.0	*3	71.0	*6	18.0	..
Negril Pt. Light Hs.	33	29.881	29.886	76.7	85.8	79.8	87.5	73.2	14.3	91.0	22	72.0	*1	19.0	..
Orange River Ex. St.	450	..	..	72.3	81.3	..	87.9	68.5	19.4	93.8	6	60.1	26	33.7	5.71
Palisadoes Airport	19	29.911	29.902	80.1	86.0	82.1	87.8	77.4	10.4	91.0	*19	72.0	*24	19.0	6.94

Stations	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m. †		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	65	86	76	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	69	93	71	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	58	87	64	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	70	89	73	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	72	82	75	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	66	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	76	87	78	79	77	86	SE	9	SE	10	SE	12	4.9	5.9	4.8	5.3	3.9	4.5
Negril Pt. Light H.	72	83	74	70	74	83	E	3	SE	10	NE	5	1.4	3.4	2.4	4.1	3.3	4.3
Orange River Ex. St.	70	95	73	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	73	78	75	69	73	76	calm		SE	12	E	9	1.3	4.4	1.4	4.6	1.1	4.6

*And on other days †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

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

Stations	September, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	17.50	2.60	15	14	11.60
Blenheim	15.13	2.56	15	18	..
Blue Hole	8.56	1.62	26	14	8.54
Cascade	17.52	4.10	14	13	..
Copse	10.32	1.64	16	15	10.54
Cousin's Cove	14.44	2.43	14	24	7.78
Green Island	10.17	1.73	14	19	9.54
Green River	9.99	1.55	13	9	..
Haughton Court A. C.	11.42	2.32	16	18	6.92
Haughton Grove	5.89	.90	3	15	12.12
Haughton Hall	8.20	1.86	14	18	7.96
Hopewell	12.53	3.85	16	15	..
Kendal	9.91	1.65	1	15	..
Kingsvale	6.22	.98	13	14	9.76
Lucea	7.18	1.17	27	16	7.76
Retirement	14.33	2.30	13	19	..
Santoy L. S.	11.20	2.20	15	10	..
Shettlewood	10.64	2.50	3	17	..
St. James					
Adelphi	3.93	1.12	16	9	..
Anchovy	7.84	1.32	5	15	6.89
Cambridge	7.36	2.50	3	16	12.04
Catadupa	9.58	2.50	4	15	13.72
Cinnamon Hill	4.12	1.23	22	10	3.67
Cornwall Works	3.85	1.07	26	10	..
Friendship	7.26	3.17	5	13	7.49
Irwin A. C.	6.87	3.04	5	17	6.99
John's Hall	10.45	3.05	5	9	..
Kempshot	6.72	2.50	15	12	8.96
Lapland	9.40	2.05	4	21	..
Latium L. S.	6.67	1.57	20	11	9.21
Maldon	6.81	1.84	14	8	..
Montego Bay	4.07	1.09	5	9	6.38
Montpelier	11.03	2.02	5	21	7.21
Retirement	6.55	2.20	5	14	8.46
Richmond Hill	10.22	3.00	5	13	..
Rose Hall	3.55	1.00	22	11	3.33
Running Gut	4.02	.75	16	12	3.54
Spring Estate	3.94	1.00	26	8	3.58
Success	2.71	.74	26	11	3.37
Sweetwater	10.70	2.60	5	15	..
Tryall	4.32	1.03	22	9	4.61
Vaughansfield	5.89	2.50	1	6	..
Windsor Lodge	8.66	1.57	20	11	..

N.A. = Not available.

Stations	September, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Trelawny					
Albert Town	8.64	2.38	8	13	10.26
Arcadia	3.15	.90	5	8	4.40
Clark's Town	3.75	1.68	14	7	4.27
Duncans	4.67	2.66	6	7	2.27
Falmouth	1.97	.66	5	7	3.23
Harmony Hall	4.94	2.72	5	8	3.53
Hyde and Gibraltar	4.78	1.90	5	8	..
Lichfield	5.81	1.97	8	11	..
Lorrimers	4.30	1.05	1	9	..
Reserve Pen, L.S.	1.55	.50	14	6	..
Stewart Town	4.02	2.68	14	10	..
Troy	11.03	1.78	2	12	13.13
Troy Land Settlement	10.91	1.46	9	17	..
Ulster Spring	6.68	1.85	23	14	9.83
Vale Royal	3.05	1.50	5	5	4.46
Wait-a-bit	4.81	1.29	2	11	..
Wakefield	6.02	.85	15	12	6.45
Warsop	11.36	2.63	8	18	9.59
St. Ann					
Alexandria	2.48	.96	8	7	6.17
Armadale	2.40	.98	9	5	..
Averham Park	5.78	2.57	26	10	5.50
Bel-Air	2.45	1.45	23	8	3.79
Beverley L. S.	1.25	.41	22	4	..
Brown's Town	2.39	1.00	14	10	5.43
Cave Valley	5.10	.85	14	12	7.66
Chippenham	3.12	.62	14	18	..
Claremont	7.26	1.86	25	11	6.11
Cuffie Ridge	5.34	1.21	6	14	..
Discovery Bay	1.82	.60	23	5	..
Eltham	6.09	1.64	16	10	..
Exchange	0.71	.40	26	3	..
Greenock	5.49	.98	14	18	..
Home Castle	3.78	1.80	5	3	5.11
Knapdale	1.78	.57	14	10	5.04
Liberty Hill	2.58	.65	26	10	3.47
Moneague	3.67	1.22	26	8	7.07
New Ground A. C.	2.33	.85	26	8	..
Ocho Rios	6.34	2.00	26	11	3.59
Richmond Estate	1.99	.42	26	8	3.63
Richmond Pen, L.S.	5.61	1.10	22	3	5.95
Rio Hoe	3.04	1.40	26	8	6.09
Rockfield	3.92	1.30	26	15	4.59
Runaway Bay	1.45	1.20	23	13	2.32
Rural Retreat	6.73	1.60	9	9	..
St. Ann's Bay	2.44	.37	*5	14	3.48
Stepney	3.87	2.01	24	6	..
Thatchfield L. S.	2.26	.94	14	3	..
Unity	4.49	.80	26	13	7.84
Watt Town	4.16	1.65	9	9	5.74
St. Mary					
Agualta Vale	3.74	.71	5	12	4.71
Carron Hall	8.33	1.26	14	18	..
Castleton Gardens	10.88	1.36	14	18	12.12
Devon Pen L.S.	9.72	2.48	10	13	..
Dover L.S.	2.82	.87	21	7	4.95
Dover G.I. C.F.	2.30	.49	21	10	..
Enfield	10.56	3.41	21	13	6.74

Stations	September, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Fort Stewart	3.57	1.65	5	8	..
Fort Stewart, L.S.	7.94	1.27	24	18	..
Gibraltar	3.85	2.10	5	7	..
Golden Grove, East	2.54	.52	23	10	..
Gray's Inn Cntl. Facty.	4.72	1.67	5	13	..
Guy's Hill	7.63	1.40	26	14	7.04
Hampstead	5.81	1.46	27	12	5.82
Iter Boreale	2.04	.78	5	8	..
Jack's River	4.54	2.04	28	12	..
Lady Hole	7.52	3.35	5	9	..
Lower Esher	5.04	.96	21	13	..
Lucky Hill	5.25	.98	27	12	3.65
Lucky Hill Pen	5.40	1.85	14	9	..
Newry	3.08	.83	27	11	..
Nutfield A. C.	2.46	1.00	27	12	..
Oracabessa	3.41	1.44	27	12	5.75
Orange River	6.87	1.20	14	15	..
Platfield	5.73	1.03	21	15	..
Prospect Estate	3.35	1.03	12	6	..
Port Maria	2.34	.78	23	11	4.29
Quebec	3.94	.98	*17	8	4.77
Retreat	4.64	2.00	27	9	..
Richmond	8.43	2.10	9	16	5.91
Richmond Farm	6.00	1.16	26	19	..
Warwick	17.00	2.50	*14	8	..
Water Valley	4.09	.85	26	13	4.66
Western St. Mary	6.71	1.05	27	9	..
Windsor Castle	7.27	1.40	26	13	5.00
Portland					
Balcarres	9.91	1.92	8	17	7.56
Belle Vue	5.20	2.40	22	7	..
Belvedere	6.84	2.68	21	8	2.98
Boundbrook, L.S.	9.48	2.01	25	14	..
Bruton Hall	7.53	1.70	21	8	..
Buff Bay	3.48	1.27	21	7	5.17
Bybrook	6.01	1.80	21	11	..
Caenwood	5.34	.92	21	16	..
Castle Comfort	4.72	1.82	15	9	..
Cedar Hurst	6.60	1.86	24	18	8.15
Chepstowe	6.45	2.60	21	11	..
Darley	6.04	1.35	25	18	..
Ecclesdown	25.15	2.97	26	20	..
Fellowship	12.70	2.65	25	16	12.41
Fruitful Vale	5.83	1.35	25	9	..
Hope Bay	6.25	2.60	24	9	7.31
Hopewell	4.46	.95	25	11	..
Lennox	2.55	.80	30	5	6.44
Manchioneal	12.73	5.07	24	19	10.25
Mill Bank	24.93	4.97	21	15	17.20
Moore Town	18.44	3.45	26	18	15.02
Mount Holstein	11.00	1.78	14	18	9.71
Mount Pleasant	6.06	1.14	25	11	..
Passley Gardens	6.15	..	..	..	9.73
Plum Valley	11.43	4.08	21	12	..
Port Antonio	8.64	1.30	23	18	10.48
Spring Garden	2.81	.60	24	8	5.59
Tom's Hope	11.68	2.00	24	19	..
Windsor A. C.	15.40	2.25	26	18	..

Stations	September, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	27.02	6.00	24	18	..
Bath	21.00	5.95	16	17	12.45
Bowden Pen	26.11	4.30	24	17	..
Cedar Valley	21.85	3.90	24	15	11.85
Clifton Hill	15.31	4.38	16	14	..
Coley	18.62	4.07	23	16	10.79
Duckenfield	13.65	6.75	16	13	..
Easington	18.26	6.15	23	15	8.39
Golden Grove J. S. E.	13.35	5.50	16	14	..
Llandewey	14.33	3.83	24	14	..
Lloyds	17.25	5.50	23	11	..
Lyssons L.S.	10.28	2.25	23	12	..
Morant Bay	17.72	5.17	24	13	8.12
Morant Pt. Lighthouse	18.13	8.04	16	20	6.85
Mount Mansfield	21.54	5.00	17	10	..
Norris	18.21	6.15	23	15	..
Plantain Garden River	21.70	7.45	16	17	..
Pleasant Hill	21.27	8.70	16	13	8.85
Rowlandsfield L. S.	17.79	6.43	16	21	..
Seaforth	22.55	6.24	23	20	..
Spanishwood	13.55	5.70	16	14	..
Sunning Hill L.S.	14.94	2.72	24	14	..
Wheelerfield	16.86	6.95	16	15	..
Yallahs	15.60	4.80	24	11	7.04
Kingston and St. Andrew					
Bamboo Avenue	7.67	1.92	23	13	..
Brandon Hill	7.87	1.30	4	13	..
Cavaliers	6.50	1.75	2	13	..
Clifton Pen	6.59	2.60	25	9	4.49
Constant Spring F. P.	4.92	1.03	25	14	..
Constant Spring Ch. Rd.	4.73	1.50	24	11	..
Dallas Castle	8.95	2.94	23	15	10.92
Fort George	6.68	1.25	2	17	..
Golden Spring	6.25	1.23	25	12	..
Gordon Town	7.56	1.84	23	13	8.06
Grey Weathers	5.77	1.05	24	18	..
Guava Ridge	10.78	3.02	24	14	7.29
Halfway Tree	7.62	2.48	2	10	4.82
Harbour Head	13.03	5.85	23	8	..
Hardware Gap P.W.D.	8.03	2.42	23	10	10.60
Hermitage	6.42	1.40	25	17	9.69
Hill Gardens	9.19	2.55	25	17	9.27
Hope Farm Agr. Stn.	7.49	3.00	23	10	7.14
Hope Laboratory	7.16	2.27	23	14	..
Hope Water Works	6.52	2.14	23	15	..
Irish Town	8.14	2.80	24	6	8.55
Iver	4.84	1.80	23	11	..
King's House Gardens	6.70	1.90	24	13	5.44
Langley	7.89	2.02	4	12	..
Lawrence Tavern	8.81	2.03	14	8	9.80
Mavis Bank	9.92	2.96	24	15	7.29
Mount Airy	7.15	2.03	4	10	..
Mount Cressy	6.53	2.05	16	17	..
Mount Salus	N.A.	..	..	..	..
Newcastle	8.51	3.50	24	15	..
Penfield Water Works	7.56	1.84	24	13	..

*And on other days.

N.A. = Not available.

Stations	September, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Red Hills	8.63	3.27	2	9	8.14
Rose Hill	8.26	1.57	3	15	12.22
Seaview Filter Plant	5.34	1.33	25	13	..
Shortwood College	4.32	1.15	23	10	..
Stony Hill	7.04	1.48	15	13	9.93
Twickenham Pen	5.20	1.67	24	10	..
Up Park Camp	6.87	1.92	2	10	..
Kingston					
Kingston P. W. O.	3.76	1.19	23	4	3.36
Palisadoes	9.15	4.45	24	11	..
Parade Gardens	5.75	1.87	24	10	..
Plumb Pt. Lighthouse	8.05	3.38	23	4	4.32
St. George's College	6.70	2.00	24	10	..
Upper Kingston	6.48	1.60	24	12	4.53
St. Catherine					
Above Rocks	14.81	4.87	4	9	..
Barry and Lloyds L.S.	7.88	1.93	7	8	..
Bellas Gate	6.63	1.82	24	10	5.64
Bodles	7.91	2.90	23	6	..
Bog Walk	6.75	.95	20	13	6.89
Brown's Hall	6.04	.90	20	12	9.81
Carew Castle	8.50	1.85	4	13	10.35
Ewarton	3.85	1.12	16	10	..
Ginger Ridge	5.48	1.05	23*	18	..
Glengoffe	8.75	2.00	15	14	..
Grove Farm A. C.	5.82	1.33	12	9	..
Headworks	4.10	1.16	24	10	6.19
Hematine	4.90	2.02	24	12	4.51
Hog Hole	3.11	1.31	24	11	5.68
Knollis	7.28	1.50	19	12	7.46
Linstead	8.76	2.11	16	12	7.40
Old Harbour	7.69	2.50	23	10	6.01
Pear Tree Grove	5.70	.75	10	16	5.78
Point Hill	9.52	2.41	5	14	10.65
Quarantine Station	8.25	2.83	24	10	3.25
Rio Magno	6.19	1.57	3	13	5.43
Riversdale	6.62	1.40	14	10	8.08
Sligoville	6.60	1.16	24	17	9.69
Spanish Town	5.34	2.67	24	12	4.84
Troja	3.67	1.20	21	7	5.97
Tulloch Estate	8.86	1.88	16	12	..
Twickenham A. C.	5.06	2.20	24	8	..
Worthy Park	9.14	2.10	7	15	7.50
Clarendon					
Amity Hall	12.36	3.20	23	11	..
Beauchamp	8.94	4.00	23	7	..
Belle Plain	9.42	2.40	24	12	8.12
Bog	21.66	10.92	23	12	..
Building	14.88	7.06	23	12	..
Carlisle	14.26	6.53	23	12	..
Chapelton	3.86	.95	24	12	7.77
Clarendon Park, J.G.R.	N.A.	..	..	..	..

Stations	September, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Colonel's Ridge	8.11	1.63	24	16	..
Cottage	14.34	5.40	23	11	6.40
Cotton Tree Gully	13.24	5.75	23	13	..
Croft's Hill	9.94	1.55	*7	14	8.41
Crooked River	7.92	1.24	4	18	7.14
DaCosta	14.80	3.20	23	9	..
Douce Pennants	8.97	2.17	4	9	..
Exeter	11.10	3.49	23	9	5.15
Frankfield	8.00	1.38	20	12	8.09
Gibbons	18.70	11.03	23	10	..
Glen Muir	9.65	2.80	24	11	4.92
Grimmetts	11.40	4.05	25	9	..
Hillside	15.31	8.25	23	7	5.34
James Hill	11.75	3.10	20	13	..
Kellits	8.47	1.90	2	17	..
Knights	13.90	6.20	23	9	..
May Pen	7.67	3.50	24	11	6.72
Milk River	12.83	3.97	23	10	6.76
Morelands	18.88	9.84	23	9	6.12
Mumby	11.39	3.32	23	9	..
Peckham, L. S.	5.46	1.05	24	13	..
Pennants	6.42	1.20	2	17	..
Pusey Hall	14.67	5.85	23	9	..
Rock River	6.99	1.90	23	10	5.90
Salt Savannah	10.86	3.20	23	11	..
Silent Hill	6.32	1.00	*24	12	..
Spaldings	9.53	1.66	3	18	7.82
Springfield	9.97	3.12	23	9	5.05
Suttons, J. G. R.	9.95	1.90	24	15	7.48
Suttons, W. I. S. Coy.	15.47	7.22	23	9	..
Teak Pen L. S.	12.15	2.58	23	18	..
Thompson Town	8.47	2.06	25	18	..
Trout Hall	13.30	2.20	25	19	10.47
Tweedside	5.07	1.27	19	9	..
Manchester					
Alligator Pond	6.64	1.50	24	8	5.34
Christiana	8.02	1.50	2	20	8.70
Chudleigh	9.05	1.30	23	16	9.50
Craig Head	6.70	2.02	8	7	..
Dunkeld	10.45	2.46	22	16	..
Garlogie	13.03	2.50	25	16	..
Greenvale	6.78	1.18	22	18	7.81
Grove Place	7.46	2.10	22	18	..
Holmwood	7.29	2.23	2	10	..
Hope, Spur Tree P.O.	10.14	2.04	23	15	..
Kendal	7.94	1.21	25	18	9.28
Mandeville	14.36	1.89	8	18	9.92
Mandeville, (Manchester Hotel)	13.95	1.99	8	17	..
Mile Gully	9.51	1.76	16	11	..
New Forest, L. S.	8.27	1.95	24	15	..
Newport	12.35	2.50	25	18	8.23
Porus	11.60	2.00	25	14	..
Ramble	11.83	2.50	23	8	..
Retrieve	15.28	3.50	24	8	6.43
Stones Hope	13.75	3.15	8	8	8.58
Williamsfield	7.54	1.40	25	16	9.02

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

Stations	September, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Elizabeth					
Aberdeen	11.41	1.81	23	19	..
Appleton	7.03	1.35	15	20	11.74
Balaclava	8.70	2.30	4	11	10.30
Bartons	6.51	2.37	9	11	..
Black River	4.38	1.70	14	11	5.27
Braes River	15.13	3.95	9	19	..
Fort Charles	2.45	1.10	25	4	3.53
Ginger Hill	10.40	2.30	4	18	..
Gutters	10.62	1.86	7	13	..
Hodges Estate	4.07	.98	23	10	..
Holland Estate	8.20	1.71	9	16	..
Hounslow	7.33	1.40	24	12	..
Ipswich	12.15	1.97	2	21	..
Lacovia	5.95	1.50	4	12	5.55
Lititz	8.84	1.35	24	13	..
Maggotty	9.91	2.20	9	16	11.42
Malvern	8.40	1.96	8	12	..
Middle Quarters	4.58	.95	9	13	..
Mount Charles	8.08	1.35	9	15	..
Mulgrave	15.26	4.05	5	16	..
Munro	9.64	1.73	24	19	5.98
Myersville	5.79	1.30	12	7	..
Oxford	7.82	2.23	23	17	..
Pedro Plains	3.04	.93	20	8	4.10
Quickstep	N.A.	..	..	..	..
Santa Cruz	5.06	2.68	4	3	9.41
Southfield	11.04	3.15	25	11	..
Springfield	7.79	1.55	19	13	..
Springvale	6.96	1.25	15	13	..
Torrington	8.37	1.85	2	11	6.45
Treasure Beach	3.91	1.18	29	10	..
Williamsfield	4.87	1.00	*4	8	..
Windsor	8.16	1.90	8	15	7.64
Yardley Chase	6.15	1.00	25	10	..
Westmoreland					
Albany	6.62	1.39	11	15	..
Barham	5.54	1.29	1	16	..
Bath Pen	4.46	.91	14	9	..

Stations	September, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Westmoreland, *contd.*					
Baulk	5.81	1.10	1	18	..
Belle Isle	10.52	2.40	16	17	10.45
Bethel Town	9.36	1.83	23	15	14.22
Blue Castle	5.20	.94	30	17	..
Bluefields	7.31	1.54	24	14	10.52
Cornwall	3.89	.68	1	12	..
Darliston	9.33	1.67	20	17	14.61
Fontabelle	6.13	1.42	30	16	10.58
Friendship	6.56	1.47	1	16	..
Frome	7.22	1.50	30	18	..
Kew Park	8.31	1.86	9	20	12.06
Lamb's River	12.09	2.30	24	18	..
Little London	3.17	.83	16	12	9.37
Masemure	7.17	1.47	17	14	..
Meyersfield	5.36	1.20	16	16	..
Midgham	7.49	2.12	17	15	..
Mint	9.06	1.54	17	19	..
Mount Eagle (W.I.S.C.)	9.49	1.85	11	17	..
Mount Eagle (P.W.D.)	8.86	1.60	17	16	..
Mount Edgecombe	5.65	1.52	14	15	7.99
Negril Pt. Lighthouse	4.23	1.41	23	15	6.39
New Market	24.40	4.35	20	12	11.50
Paul Island	7.03	2.20	16	13	..
Petersfield	2.44	.80	1	13	..
Petersville	5.96	1.87	19	14	9.48
Prospect	8.56	1.57	1	14	..
Rat Trap	7.43	1.34	4	12	..
Retreat Estate	2.44	.64	24	7	7.44
Retrieve	4.73	.90	11	15	..
Sav.-la-Mar	4.85	1.65	17	10	7.14
Sheffield	10.05	1.30	*8	18	..
Shrewsbury	4.26	1.75	1	13	..
St. Leonards	8.04	1.25	23	15	..
Water Works Farm	3.70	.72	2	15	11.01
Welch Pole	7.37	1.15	24	14	..
Whithorn	4.95	1.30	22	8	11.17
Williamsfield	15.20	2.20	1	18	..

N.A. = Not available.

Note—Daily readings from selected stations are published in the Press in the first available ssue.

The Island Rainfall

As outlined in the January, 1946, 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 9 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—September, 1949

Parish	Rainfall for September			Rainfall, Jan.-September	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	11.17	8.95	15.7	63.66	61.65
St. James	6.66	6.44	12.2	42.75	45.68
Trelawny	5.58	6.33	10.2	37.57	44.45
St. Ann	3.62	4.86	9.2	31.86	40.72
St. Mary	5.70	5.84	11.8	35.20	50.97
Portland	9.10	13.77	13.2	67.84	89.28
St. Thomas	18.20	9.66	14.9	67.41	53.27
Kingston and St. Andrew ..	7.25	8.04	11.9	29.78	43.23
St. Catherine	6.90	6.40	11.5	36.89	43.75
Clarendon	11.13	7.38	12.0	36.84	44.93
Manchester	10.09	8.27	14.0	44.07	51.53
St. Elizabeth	7.82	7.45	12.9	47.42	50.30
Westmoreland	7.26	9.31	14.7	66.31	66.98
The Island	8.29	7.61 "70-Year"† 7.80	12.5 "45-Year" 12.6	45.80	50.51 "70-Year" 51.61

Note:—
†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 monthly mean for the whole Island was slightly above the seasonal normal. St. Thomas, Clarendon and Hanover received amounts considerably in excess of the average while Portland, St. Ann and Westmoreland reported 20-40% less than the average. The remaining Parishes values approximating to the September normal.

The two Stations with the highest monthly totals were both in St. Thomas—Barret's Gap with 27.02 inches and Bowden Pen with 26.11 inches.

The heaviest daily falls were recorded at Bog with 10.92 inches on the 23rd and Morelands with 9.84 inches on the same date. Both these Stations are in the parish of Clarendon.

Hail was reported at Kempshot in St. James on the 5th. The shower was only of short duration but it must have been rather heavy as the stones were reported to be "as large as marbles".

A hail shower of 14 minutes' duration was reported at Mandeville on the 7th and also at Troy L.S. on the 19th.

EARTHQUAKES

None reported this Month.

TROPICAL STORMS IN SEPTEMBER, 1949

The first hurricane of the month formed to the north of Puerto Rico on 3rd September and moved in a generally northerly direction, the centre passing 60-70 miles east of Bermuda on 8th September. Bermuda escaped the full force of the hurricane but experienced strong gales.

A tropical storm developed in the Gulf of Mexico on 4th September, moved north and passed inland to the west of New Orleans and dissipated on 5th September.

The third storm of the month was located on 21st September near St. Croix, Virgin Islands. Its course took it south of Puerto Rico and hit the coast of the Dominican Republic near Ciudad Trujillo on the 22nd, and dissipated as it moved inland. Considerable damage was caused in Puerto Rico and 15 lives were lost at sea near the south-east coast of the Dominican Republic.

Two more hurricanes developed late in the month in the Gulf of Mexico but neither of them affected areas in the Caribbean.

CITY OF KINGSTON

The mean temperature for the month of September was 81.9° F or 1.0° F higher than the average for the time of the year. The maximum temperatures showed very little deviation from normal but the night minimum readings were 1.2° F higher than the long-term average.

At Hope Gardens the highest maximum for the month (96.4° F) was the highest temperature recorded since September of last year and the lowest night minimum (68.0° F) was also the highest recorded since August of last year.

The City rainfall of 6.71 inches was nearly 3 inches in excess of the normal.

At Palisadoes 80% of the month's rainfall fell in the period 23-25th September due to heavy thunderstorms. Over the mountains of St. Andrew and western St. Thomas thunderstorms were observed on 13 days, while on a further 12 nights distant lightning was seen.

Solar halos were observed on 2 occasions and lunar coronæ on 2 nights.

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Jamaica Government Meteorologist

Meteorological Office,
Palisadoes,
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JAMAICA
WEATHER REPORT

FOR THE MONTH OF
OCTOBER, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTE:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°F	°F	°F	°F	°F	°F	°F		°F		°F	Hrs.
Castleton Gardens ..	496	..	..	71.0	80.1	..	85.0	64.9	20.1	88.1	21	61.5	13	26.6	..
Grove Place A.C. ..	1460	..	..	68.7	76.5	..	83.8	63.9	19.9	88.1	8	59.1	5	29.0	6.62
Hill Gardens ..	4900	..	..	61.0	66.0	..	71.2	58.9	12.3	77.0	19	55.3	23	21.7	..
Hope Laboratory ..	668	..	..	70.6	83.3	..	88.8	68.9	19.9	93.2	29	65.1	20	28.1	..
Kingston ..	80	..	..	75.9	85.2	..	88.7	73.9	14.8	92.7	29	70.6	24	22.1	..
Lorrimers ..	2700	..	..	67.8	..	..	79.4	63.4	16.0	82.0	*19	56.0	6	26.0	..
Morant Pt. Light Hs. ..	8	29.986	29.874	79.5	84.7	81.1	85.9	74.2	11.7	87.0	*4	67.0	5	20.0	..
Negril Pt. Light Hs. ..	33	29.876	29.861	74.9	87.1	77.5	88.5	72.4	16.1	92.0	19	69.0	23	23.0	..
Orange River Exp. St.	450	..	..	72.6	81.2	..	86.1	68.3	17.8	90.5	16	64.9	* 6	25.6	7.05
Palisadoes Airport ..	19	29.899	29.881	78.4	86.1	82.0	87.3	76.9	10.4	91.0	7	73.0	13	18.0	8.06

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower (L) and Total (T)					
	7 a.m.		1 p.m.†		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	65	83	74	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	67	95	70	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	57	87	64	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	70	91	72	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	72	85	74	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	66	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	75	86	78	79	75	82	NE	8	SE	9	SE	12	3.7	5.4	3.9	5.0	2.7	3.1
Negril Pt. Light Hs.	72	89	74	65	73	87	NE	3	SE	8	NE	4	1.2	2.7	2.2	2.7	2.3	2.9
OrangeRiver Exp.St.	71	94	72	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	71	80	74	67	73	75	CA	LM	SE	9	E	8	1.3	3.7	1.4	3.7	1.3	3.0

*And on other days. †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

The Rainfall is measured at 7 a.m. and recorded, by convention, as having fallen on the previous day.

Stations	October, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish	12.87	2.05	6	13	15.46
Blenheim	8.89	2.12	12	18	..
Blue Hole	5.42	1.64	12	6	10.63
Cascade	13.90	3.50	11	14	..
Copse	5.45	1.21	10	8	10.07
Cousin's Cove	5.92	1.11	6	21	10.78
Green Island	5.35	1.12	6	17	8.98
Green River	6.20	1.13	1	12	..
Haughton Court, A.C.	5.93	1.82	12	9	7.54
Haughton Grove	14.84	2.05	10	18	11.82
Haughton Hall	5.62	.95	13	21	8.64
Hopewell	3.37	1.50	11	5	..
Kendal	7.36	2.08	15	17	..
Kingsvale	4.31	1.22	15	11	8.65
Lucea	4.66	2.50	12	10	8.60
Retirement	11.73	2.80	15	16	..
Santoy, L.S.	7.26	1.20	1	11	..
Shettlewood	13.22	2.89	11	15	..
St. James					
Adelphi	5.38	2.08	24	8	..
Anchovy	4.05	1.50	11	10	6.94
Cambridge	10.30	2.03	6	13	13.28
Catadupa	4.67	2.91	6	17	14.92
Cinnamon Hill	2.41	.93	24	6	6.81
Cornwall Works	3.79	1.29	24	7	..
Friendship	4.85	2.35	11	7	10.24
Irwin, A.C.	5.62	2.01	11	10	6.86
John's Hall	4.77	1.75	24	6	..
Kempshot	7.03	2.05	11	16	9.97
Lapland	12.14	3.12	6	23	..
Latium, L.S.	6.48	1.88	24	9	8.96
Maldon	5.29	1.41	14	8	..
Montego Bay	3.84	1.45	11	9	7.68
Montpelier	9.11	2.62	11	15	9.68
Retirement	5.15	2.15	11	8	9.54
Richmond Hill	7.20	3.05	11	11	..
Rose Hall	2.61	.97	23	8	6.71
Running Gut	2.58	.60	23	8	5.94
Spring Estate	2.44	.44	10	7	6.33
Success	3.07	1.18	23	7	6.26
Sweetwater	15.95	2.01	11	20	..
Tryall	2.66	.70	*15	7	6.36
Vaughansfield	14.25	3.26	8	11	..
Windsor Lodge	N.A.	..	..	..	..

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

Stations	October, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Trelawny	Ins.	Ins.			Ins.
Albert Town	8.13	1.98	14	13	11.75
Arcadia	3.67	1.25	12	8	6.45
Clark's Town	5.00	2.61	12	10	9.04
Duncans	2.23	.87	3	6	6.19
Falmouth	4.93	1.61	3	9	5.66
Harmony Hall	2.92	1.02	14	7	5.35
Hyde and Gibraltar	3.96	1.10	2	5	..
Lichfield	10.30	2.27	4	13	..
Lorrimers	8.06	1.30	11	21	..
Reserve Pen, L.S.	1.20	.50	10	4	..
Stewart Town	4.19	1.00	14	12	..
Troy	16.20	2.32	15	17	15.89
Troy, L.S.	13.95	2.40	19	18	..
Ulster Spring	7.18	1.77	14	11	11.72
Vale Royal	3.78	1.55	12	9	6.62
Wait-a-bit	10.30	2.27	4	13	..
Wakefield	3.43	1.76	16	8	9.25
Warsop	13.42	3.25	6	14	15.43
St. Ann					
Alexandria	4.54	1.68	14	6	8.20
Armadale	7.55	2.55	14	8	..
Averham Park	7.54	1.91	14	10	10.57
Bel-Air	4.15	1.50	3	12	7.86
Beverley, L.S.	5.03	1.13	3	9	..
Brown's Town	3.94	.97	3	10	8.62
Cave Valley	6.30	1.65	21	11	9.47
Chippenham Park	6.11	3.15	14	17	..
Claremont	5.24	1.30	14	13	8.59
Cuffie Ridge	5.59	1.67	14	14	..
Discovery Bay	3.13	1.45	3	7	..
Eltham	5.32	1.09	25	12	..
Exchange	4.83	1.20	17	6	..
Greenock	6.13	1.46	14	18	..
Home Castle	5.33	1.40	12	8	7.18
Knapdale	2.58	.68	11	13	9.41
Liberty Hill	3.12	.95	13	15	5.95
Moneague	4.95	2.40	14	5	9.32
New Ground A.C.	2.87	1.20	12	9	..
Ocho Rios	8.67	2.16	14	17	6.26
Richmond Estate	5.43	1.86	14	13	6.81
Richmond Pen, L.S.	5.94	1.90	5	10	7.43
Rio Hoe	7.46	3.15	14	10	9.15
Rockfield	3.83	1.21	11	18	7.55
Runaway Bay	3.55	1.04	4	10	4.13
Rural Retreat	4.81	1.73	14	7	..
St. Ann's Bay	3.78	1.19	14	10	6.94
Stepney	18.36	2.43	12	17	..
Thatchfield, L.S.	3.15	.98	2	10	..
Unity	5.81	3.18	14	8	9.64
Watt Town	6.23	2.30	5	8	7.29

Stations	October, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Mary	Ins.	Ins.			Ins.
Agualta Vale	9.10	2.83	11	16	7.05
Carron Hall	5.26	1.16	13	22	..
Castleton Gardens	10.93	3.10	13	9	15.59
Devon Pen, L.S.	6.83	1.05	10	14	..
Dover	10.20	1.80	14	19	..
Dover, L.S.	11.65	2.21	25	20	8.25
Enfield	10.30	2.40	14	15	13.69
Fort Stewart	8.91	2.00	14	15	..
Fort Stewart, L.S.	27.50	2.45	30	25	..
Gibraltar	8.75	1.85	14	14	..
Golden Grove	9.45	2.00	14	17	..
Gray's Inn Cen. Fact.	9.90	2.30	11	16	..
Guy's Hill	3.57	.80	11	11	9.59
Hampstead	5.79	1.57	11	8	8.91
Iter Boreale	8.42	1.85	10	16	..
Jack's River	6.37	1.33	9	10	..
Lady Hole	10.09	2.05	14	12	..
Lower Esher	4.97	1.26	11	15	..
Lucky Hill	8.96	4.29	14	13	9.05
Lucky Hill Pen	6.30	2.15	14	7	..
Newry	6.67	1.80	11	16	..
Nutfield, A.C.	5.43	1.40	8	18	..
Oracabessa	7.24	1.40	11	12	11.01
Orange River	4.23	.94	11	17	..
Platfield	4.13	1.82	14	8	..
Port Maria	9.79	1.53	25	14	8.46
Prospect Estate	6.11	1.40	11	11	..
Quebec	8.44	1.87	25	8	10.09
Retreat	6.43	1.00	14	13	..
Richmond Farm	6.76	1.95	14	17	..
Richmond, P.W.D.	5.11	1.18	14	17	8.45
Warwick	23.00	5.50	14	9	..
Water Valley	6.60	1.90	11	14	7.28
Western St. Mary	7.81	3.06	14	5	..
Windsor Castle	6.92	1.80	11	13	12.76
Portland					
Balcarres	9.80	1.40	23	18	18.53
Belle Vue	12.00	2.00	22	13	..
Belvedere	8.78	2.16	11	10	8.45
Boundbrook, L.S.	19.43	2.62	31	17	..
Bruton Hall	17.61	3.74	2	13	..
Buff Bay	10.69	2.10	25	15	9.62
Bybrook	10.59	1.38	7	15	..
Caenwood,	12.27	2.13	25	17	..
Castle Comfort	4.84	.65	11	14	..
Cedar Hurst	11.60	1.70	23	21	19.16
Chepstowe	11.50	3.30	22	17	..
Darley	14.84	2.07	1	18	..
Ecclesdown	28.86	4.92	13	20	..
Fellowship	16.77	2.45	11	15	17.13
Fruitful Vale	12.62	1.95	23	23	..
Hope Bay	11.69	1.94	25	16	14.02
Hopewell	9.82	1.62	11	17	..
Lennox	8.70	1.45	25	15	12.28
Manchioneal	16.91	3.74	13	20	17.35
Mill Bank	23.99	2.80	22	21	28.86
Moore Town	23.22	3.35	25	19	20.50
Mt. Holstein	13.82	2.10	2	18	13.81
Mt. Pleasant	17.07	2.10	2	18	..
Passley Gardens	13.15	..	..	..	16.57

Stations	October, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Plum Valley	7.53	1.43	25	12	..
Port Antonio	19.01	2.96	31	18	14.81
Spring Gardens	9.94	1.90	25	14	8.50
Tom's Hope	14.78	1.90	25	19	..
Windsor, A.C.	18.91	2.68	25	18	..
St. Thomas					
Barrett's Gap	13.92	2.78	11	17	..
Bath	13.24	3.07	11	15	17.82
Bowden Pen	26.04	4.64	13	19	..
Cedar Valley	14.94	2.90	21	19	15.49
Clifton Hill	8.85	2.61	11	17	..
Coley	8.08	1.46	4	16	15.02
Duckenfield	14.59	4.50	11	16	..
Easington	5.80	1.85	21	18	12.17
Golden Grove, J.S.E.	16.05	3.30	11	14	..
Llandewey	4.84	1.50	11	12	..
Lloyds	6.25	1.40	31	9	..
Lyssons, L.S.	5.80	1.85	11	14	..
Morant Bay	5.92	1.94	11	12	13.06
Morant Point Light Hs.	10.91	2.25	11	21	11.71
Mt. Mansfield	16.99	5.14	12	9	..
Norris	5.12	1.20	30	12	..
Plantain Garden River	12.36	2.30	11	16	..
Pleasant Hill	14.44	2.94	11	13	14.16
Rowlandsfield, L.S.	19.37	3.33	13	20	..
Seaforth	8.67	1.53	11	21	..
Spanishwood	11.19	3.05	11	19	..
Sunning Hill, L.S.	9.15	2.30	11	12	..
Wheelerfield	16.36	2.81	31	19	..
Yallahs	4.11	1.12	11	8	13.41
Kingston and St. Andrew					
Bamboo Avenue	8.56	1.79	19	14	..
Brandon Hill	7.95	1.38	11	10	..
Cavaliers	4.06	1.15	11	14	..
Clifton Pen	6.03	1.78	11	14	7.39
Constant Spring, F.P.	11.18	1.82	13	19	..
Constant Spring, Ch. Rd.	9.69	1.62	11	15	..
Dallas Castle	6.37	2.15	21	16	16.15
Fort George	9.53	2.49	10	17	..
Golden Spring	11.66	2.08	26	17	..
Gordon Town	9.79	1.30	11	17	13.04
Grey Weathers	9.17	1.77	11	21	..
Guava Ridge	10.40	2.14	21	20	17.13
Halfway Tree	7.42	1.79	11	12	8.33
Harbour Head	2.49	1.24	11	8	..
Hardware Gap, P.W.D.	13.63	2.45	5	17	16.12
Hermitage	14.60	3.13	21	25	15.20
Hill Gardens	10.03	1.45	23	21	16.37
Hope Farm Ag. Stn.	11.65	2.61	11	16	10.00
Hope Laboratory	6.75	1.54	11	16	..
Hope Waterworks	7.16	1.54	11	16	..
Irish Town	16.75	3.00	10	16	12.13
Iver	9.80	2.52	22	14	..
King's House Gardens	10.26	2.25	13	17	8.48

Stations	October, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Kingston and St. Andrew, *contd.*	Ins.	Ins.			Ins.
Langley	13.70	2.19	26	12	..
Lawrence Tavern	4.40	1.63	14	5	12.18
Mavis Bank	10.60	1.77	21	22	17.13
Mount Airy	12.39	2.10	2	13	..
Mount Cressy	10.93	1.86	14	21	..
Mount Salus	N.A.	..	..	..	..
Newcastle	12.84	2.75	6	17	..
Penfield Water Works	9.17	1.50	6	18	..
Red Hills	7.59	1.72	13	14	13.34
Rose Hill	11.73	1.82	11	23	15.32
Sea View F.P.	13.04	2.14	11	16	..
Shortwood College	8.60	1.84	13	16	..
Stony Hill	11.11	3.95	10	14	14.30
Twickenham Pen	5.69	1.30	13	15	..
Up Park Camp	3.96	1.34	11	8	..
Kingston					
Kingston P.W.O.	1.90	1.29	11	2	6.19
Palisadoes	2.23	.70	11	7	..
Parade Gardens	2.17	1.54	11	6	..
Plumb Pt. Lighthouse	1.13	.72	11	2	7.29
St. George's College	3.68	1.70	11	11	..
Upper Kingston	4.33	1.91	11	13	7.43
St. Catherine					
Above Rocks	6.91	2.34	14	8	..
Barry & Lloyds, L.S.	11.67	2.78	13	13	..
Bellas Gate	5.62	1.00	10	13	12.95
Bodles	5.20	1.35	13	8	..
Bog Walk	3.70	1.85	13	5	11.48
Brown's Hall	5.47	1.12	5	14	12.12
Carew Castle	5.43	2.50	14	9	12.37
Ewarton	5.49	1.95	13	10	..
Ginger Ridge	4.72	1.00	29	16	..
Glengoffe	7.91	3.80	14	9	..
Grove Farm, A.C.	4.78	1.03	1	9	..
Headworks	4.78	.60	13	16	9.35
Hematine	3.36	.72	13	17	7.50
Hog Hole	6.94	1.55	13	21	9.34
Knollis	6.54	3.26	14	6	11.41
Linstead	7.95	2.83	14	11	9.67
Old Harbour	6.49	1.40	1	14	9.94
Pear Tree Grove	3.37	.57	14	9	10.95
Point Hill	9.67	2.63	14	16	14.91
Quarantine Station	2.34	.70	*12	7	6.21
Rio Magno	6.15	1.64	13	8	10.40
Riversdale	4.28	1.65	14	4	10.52
Sligoville	13.24	3.71	9	18	13.40
Spanish Town	5.42	1.50	21	18	8.57
Troja	5.02	1.35	13	7	10.55
Tulloch Estate	6.87	2.96	14	9	..
Twickenham, A.C.	4.64	.90	21	9	..
Worthy Park	7.11	2.52	4	12	9.98
Clarendon					
Amity Hall	3.28	1.40	31	8	..
Beauchamp	2.70	1.90	31	3	..
Belle Plain	5.86	1.85	15	10	15.19
Bog	4.44	1.80	31	9	..

Stations	October, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Clarendon, *contd.*	Ins.	Ins.			Ins.
Building	3.90	1.40	31	6	..
Carlisle	3.41	1.56	31	8	..
Chapelton	5.30	1.18	4	13	12.21
Clarendon Park, J.G.R.	N.A.	..	..	..	..
Colonel's Ridge	5.57	1.27	19	16	..
Cottage	3.52	1.75	31	5	10.55
Cotton Tree Gully	3.80	1.90	31	6	..
Croft's Hill	7.19	1.63	14	11	11.71
Crooked River	6.99	2.02	6	19	11.29
DaCosta	3.39	1.40	31	5	..
Douce Pennants	7.56	2.77	6	13	..
Exeter	2.89	1.58	31	7	7.08
Frankfield	5.71	1.00	9	17	11.83
Gibbons	3.36	1.75	31	8	..
Glen Muir	8.32	2.00	9	12	10.93
Grimmetts	2.55	1.40	31	4	..
Hillside	4.14	2.38	31	6	10.05
James Hill	16.41	2.60	5	14	..
Kellits	8.77	2.47	4	16	..
Knights	3.43	1.82	31	8	..
May Pen	5.16	1.43	10	13	10.20
Milk River	3.62	1.22	21	6	8.64
Morelands	4.22	2.12	31	7	9.49
Mumby	3.34	1.82	31	8	..
New Monymusk	2.83	1.50	31	3	..
Peckham, L.S.	3.49	.68	15	17	..
Pennants	5.56	1.05	10	15	..
Pusey Hall	2.96	1.15	11	5	..
Rock River	5.02	1.20	10	10	13.84
Salt Savannah	3.05	1.35	11	5	..
Silent Hill	11.98	2.48	14	12	..
Spaldings	9.68	2.25	4	15	13.27
Springfield	2.26	1.45	31	3	9.54
Suttons, J.G.R.	4.58	1.36	6	14	13.87
Suttons, W.I.S.C.	3.25	1.45	31	6	..
Teak Pen, L.S.	8.14	2.99	10	18	..
Thompson Town	5.51	1.10	8	16	..
Trout Hall	9.63	1.82	4	22	12.30
Tweedside	3.22	.50	8*	13	..
Manchester					
Alligator Pond	3.19	1.40	10	6	7.73
Christiana	9.03	1.95	14	14	11.13
Chudleigh	11.87	3.25	8	18	10.65
Craig Head	12.60	2.46	5	9	..
Dunkeld	12.55	2.47	14	14	..
Garlogie	10.79	1.73	10	20	..
Greenvale	5.92	1.05	21	17	10.98
Grove Place	10.48	2.45	8	20	..
Holmwood	8.51	2.37	8	9	..
Hope, (Spur Tree)	9.58	1.51	22	17	..
Kendal	9.76	2.73	21	13	13.27
Mandeville	9.29	1.19	10	14	14.72
Mandeville (Manch. Hot)	9.73	1.88	22	15	..
Mile Gully	7.80	1.02	14	14	..
New Forest, L.S.	3.86	1.90	10	7	..
Newport	4.39	.98	10	16	12.14
Porus	8.02	2.34	21	9	..
Ramble	7.30	2.50	10	6	..
Retrieve	2.18	.90	4	8	9.63
Stones Hope	5.75	2.00	*19	4	12.37
Williamsfield	8.85	1.90	21	20	13.16

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

Stations	October, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	13.81	1.76	4	22	..
Accompong	N.A.	..	..	..	..
Appleton	10.53	1.96	4	26	13.59
Balaclava	16.83	2.11	6	20	12.46
Bartons	9.52	1.91	15	26	..
Black River	5.65	1.65	12	10	8.14
Braes River	17.51	2.60	5	19	..
Fort Charles	7.41	1.15	1	10	5.70
Ginger Hill	19.10	2.45	2	24	..
Gutters	8.73	2.35	22	12	..
Hodges Estate	4.42	.97	19	11	..
Holland Estate	9.66	3.95	14	14	..
Hounslow	7.50	1.62	1	13	..
Ipswich	14.88	2.97	27	26	..
Lacovia	6.99	1.95	10	11	10.98
Lititz	11.60	1.80	10	13	..
Maggotty	13.63	1.88	6	23	13.88
Malvern	13.09	2.16	1	21	..
Middle Quarters	6.89	2.53	14	14	..
Mount Charles	6.89	1.20	2	15	..
Mulgrave	17.44	2.60	4	24	..
Munro	9.21	2.52	22	19	10.25
Myersville	2.66	2.20	22	14	..
Oxford	15.72	2.43	8	28	..
Pedro Plains	7.26	2.40	10	10	5.82
Quickstep	N.A.	..	..	..	..
Santa Cruz	16.24	2.42	21	16	12.13
Southfield	9.53	1.30	8	19	..
Springfield	12.24	1.92	8	16	..
Springvale	9.14	1.81	11	15	..
Torrington	7.09	1.70	22	10	10.12
Treasure Beach	3.89	1.30	10	9	..
Williamsfield	8.50	1.95	1	13	..
Windsor	12.64	2.10	1	23	11.35
Yardley Chase	2.40	1.00	11	4	..

Stations	October, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland	Ins.	Ins.			Ins.
Albany	10.18	3.24	11	13	..
Barham	9.04	1.90	13	18	..
Bath Pen	6.76	1.50	2	7	..
Baulk	12.13	1.89	11	20	..
Belle Isle	7.09	1.37	10	16	10.82
Bethel Town	11.57	2.45	10	15	15.42
Blue Castle	8.11	1.75	13	20	..
Bluefields	9.40	1.90	27	15	11.19
Cornwall	10.14	2.29	13	20	..
Darliston	20.81	1.98	5	22	15.48
Fontabelle	5.05	1.08	11	15	9.99
Friendship	12.41	3.30	11	18	..
Frome	7.60	1.72	11	16	..
Kew Park	12.65	3.09	6	17	12.27
Lamb's River	13.51	1.65	11	20	..
Little London	10.33	2.60	11	12	11.12
Masemure	8.37	2.36	11	16	..
Meyersfield	8.83	2.80	11	16	..
Midgham	10.21	2.42	6	16	..
Mint	11.12	2.32	14	16	..
Mount Eagle, (P.W.D.)	11.73	1.57	11	15	..
Mount Eagle, W.I.S.C.	13.40	2.12	7	15	..
Mount Edgecombe	8.84	2.34	27	17	10.07
Negril Point L.H.	6.54	1.50	28	14	8.18
New Market	23.32	3.30	27	20	13.84
Paul Island	8.35	2.50	6	16	..
Petersfield	2.66	.65	9	19	..
Petersville	7.16	1.75	6	14	11.41
Prospect	11.83	3.29	11	21	..
Rat Trap	9.55	1.30	6	12	..
Retreat Estate	11.74	3.13	11	17	..
Retrieve	8.97	3.40	11	16	..
Sav.-la-Mar	6.60	1.75	2	15	8.55
Sheffield	14.11	2.30	28	17	..
Shrewsbury	10.68	1.78	9	19	..
St. Leonard's	12.00	1.50	15	16	..
Water Works Farm	9.82	2.30	2	17	11.85
Welch Pole	12.70	2.50	5	15	..
Whithorn	7.98	1.50	19	15	12.99
Williamsfield	19.82	3.95	11	21	..

N.A. = Not available.

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

The Island Rainfall

As outlined in the January 1946 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 10 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—October, 1949

Parish	Rainfall for October			Rainfall, Jan.—Oct.	
	Actual Inches	20-Year Average Inches	Raindays No.	Actual Inches	Average †Inches
Hanover	7.90	10.51	13.4	71.56	72.16
St. James	6.07	9.00	10.4	48.82	54.68
Trelawny	6.83	9.16	11.0	44.40	53.61
St. Ann	5.52	8.26	11.0	37.38	48.98
St. Mary	8.51	9.93	13.9	43.71	60.90
Portland	14.16	15.64	16.8	82.00	104.92
St. Thomas	11.37	15.85	15.3	78.78	69.12
Kingston and St. Andrew ..	8.53	12.29	14.6	38.31	55.12
St. Catherine	6.11	10.66	11.3	43.00	54.41
Clarendon	5.23	12.23	10.3	42.07	57.12
Manchester	8.16	13.05	12.9	52.23	64.58
St. Elizabeth	10.46	11.63	16.7	57.88	61.93
Westmoreland	10.58	13.67	16.5	76.89	80.65
The Island	8.45 ..	11.33 "70-Year†" 10.89	13.5 "45-Year" 14.5	54.25 ..	61.84 "70-Year" 62.50

Note:— †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 mean rainfall for the whole Island showed a deficit of about 25%. St. Elizabeth with the highest percentage average was still 10% less the normal. The driest Parish was Clarendon with less than a half of the normal seasonal average.

The highest monthly totals were reported at Ecclesdown, Portland with 28.86 inches and Fort Stewart L.S., St. Mary with 27.50 inches.

The greatest daily falls occurred at Mount Mansfield, St. Thomas (5.14 inches on the 12th) and at Ecclesdown, Portland (4.92 inches on the 13th).

Knapdale in the Parish of St. Ann reported only 2.58 inches during the month, the lowest October rainfall since readings commenced in 1930.

Earthquakes

Date	Time	Intensity	Where felt
30th	3.45 to 4 a.m.	Moderate	Many places in the Parishes of Portland, St. Andrew and St. Catherine.

Tropical Storms in October, 1949

The first hurricane of the month formed in the Gulf of Mexico, near the south-west coast of Yucatan and moved northward into the United States crossing the coast near Galveston, Texas. Winds of up to 135 mph and tides 11 feet above normal were experienced.

The second and last storm of the month started as an area of very disturbed conditions near Jamaica on 12th October and moved N.E. across S.E. Cuba into the Atlantic, where it developed into a full hurricane on 14th October. Its course took the hurricane 200 miles west of Bermuda and it finally dissipated near Nova Scotia on the 19th without affecting any land area.

City of Kingston

Temperatures in the City were only fractionally different from the average values for the month—the mean being 80.4 F.

The average rainfall for the City was a little over 3 inches, being less than half the normal for the month of October, which is usually the wettest month of the year.

At Palisadoes there were thunderstorms on two days while thunder was heard on a further thirteen days.

In addition distant lightning was observed on another seven nights.

Nine examples of solar halos and lunar coronas were seen.

British Caribbean Meteorological Service,
Palisadoes,
Kingston, Jamaica, B.W.I.
14th July, 1953

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JAMAICA
WEATHER REPORT

FOR THE MONTH OF
NOVEMBER, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32°F., gravity at Latitude 45°F and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulo-nimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	Hrs.
Castleton Gardens ..	496	..	..	68.7	80.4	..	84.1	62.2	21.9	86.5	11	60.0	17	26.5	..
Grove Place A.C. ..	1460	..	..	68.8	76.5	..	81.9	64.7	17.2	85.5	5	56.1	30	29.4	6.30
Hill Gardens ..	4900	..	..	60.0	64.9	..	70.0	57.6	12.4	73.0	1	52.5	29	20.5	..
Hope Laboratory ..	668	..	..	71.3	83.5	..	87.5	67.8	19.7	91.2	10	60.4	28	30.8	..
Kingston ..	80	..	..	74.4	84.5	..	87.5	72.6	14.9	90.0	11	66.0	29	24.0	..
Lorrimers ..	2700	..	..	66.9	..	..	76.8	64.1	12.7	81.0	*5	58.0	30	23.0	..
Morant Pt. Light Hs.	8	29.907	29.878	78.9	83.0	79.8	84.5	74.6	9.9	86.0	*1	70.0	*6	16.0	..
Negril Pt. Light Hs. ..	33	29.892	29.878	74.4	84.4	76.5	85.6	71.7	13.9	90.0	12	69.0	*28	21.0	..
Orange River Ex. St.	450	..	..	72.0	78.9	..	83.4	67.9	15.5	87.5	6	64.4	30	23.1	5.55
Palisadoes Airport ..	19	29.911	29.887	77.4	85.1	79.7	87.0	75.4	11.6	89.0	*12	71.0	23	18.0	7.76

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m. †		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	63	83	73	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	67	92	69	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	56	89	63	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	68	90	73	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	70	87	73	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers ..	65	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	75	85	76	79	74	84	N	11	N	10	N	10	4.0	4.3	3.9	5.6	3.4	4.0
Negril Pt. Light H.	70	88	72	67	73	86	E	6	N	10	NE	8	1.8	3.7	2.9	4.9	2.7	3.6
Orange River Ex. St.	70	94	74	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	72	83	73	68	74	80	calm		S	9	N	7	1.7	4.1	1.4	4.6	1.5	3.4

*And on other days †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

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

Stations	November, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	13.51	2.50	9	17	6.79
Blenheim	10.93	1.83	6	15	..
Blue Hole	8.18	1.30	10	13	8.86
Cascade	19.82	2.88	8	16	..
Copse	13.54	1.72	1	15	5.17
Cousin's Cove	10.79	2.15	1	20	7.10
Green Island	8.17	1.90	24	16	5.35
Green River	9.82	1.50	14	21	..
Haughton Court A. C.	8.95	1.94	8	14	4.72
Haughton Grove	14.69	2.70	6	19	5.34
Haughton Hall	6.50	1.39	24	17	4.56
Hopewell	10.94	1.50	4	17	..
Kendal	8.40	2.00	1	15	..
Kingsvale	3.61	1.00	1	13	4.86
Lucea	6.62	1.01	1	15	6.14
Retirement	12.88	2.00	1	15	..
Santoy L. S.	7.44	1.60	9	12	..
Shettlewood	13.37	2.60	21	16	..
St. James					
Adelphi	12.53	2.85	6	11	..
Anchovy	12.32	4.85	21	18	3.76
Cambridge	11.73	2.30	24	16	5.86
Catadupa	11.28	2.68	17	19	7.77
Cinnamon Hill	7.72	1.80	22	14	6.12
Cornwall Works	7.61	1.16	24	15	..
Friendship	13.25	2.56	21	17	8.64
Irwin A. C.	12.50	3.96	21	16	5.32
John's Hall	13.87	2.50	6	14	..
Kempshot	13.79	2.35	21	16	7.30
Lapland	12.56	2.57	17	17	..
Latium L. S.	11.50	1.90	6	15	7.72
Maldon	N.A.	..	..	..	10.55
Montego Bay	8.93	1.55	7	15	5.94
Montpelier	12.11	2.33	21	19	5.08
Retirement	15.74	3.35	7	18	8.27
Richmond Hill	16.36	2.35	21	18	..
Rose Hall	9.01	2.88	22	13	6.20
Running Gut	9.29	2.82	22	12	5.67
Spring Estate	8.51	2.30	22	11	5.74
Success	8.98	1.44	6	14	5.74
Sweetwater	12.85	2.63	5	18	..
Tryall	9.21	2.05	22	13	5.30
Vaughansfield	7.74	2.45	1	7	..
Windsor Lodge	11.51	1.90	6	15	..

N.A. = Not available.

Stations	November, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Trelawny					
Albert Town	15.95	2.50	21	16	8.11
Arcadia	11.15	2.10	6	17	8.16
Clark's Town	12.57	2.19	21	17	10.61
Duncans	11.60	2.28	24	16	8.09
Falmouth	15.79	4.68	21	16	5.35
Harmony Hall	11.03	2.36	24	17	6.15
Hyde and Gibraltar	14.65	3.00	22	17	..
Lichfield	14.73	7.46	18	14	..
Lorrimers	11.04	2.11	18	18	..
Reserve Pen, L.S.	11.52	2.63	22	16	..
Stewart Town	11.93	2.73	21	16	..
Troy	N.A.	..	..	..	7.41
Troy Land Settlement	10.60	1.91	18	18	..
Ulster Spring	14.77	2.18	21	17	7.67
Vale Royal	10.58	2.00	6	20	8.14
Wait-a-bit	14.74	7.46	18	14	..
Wakefield	11.98	1.70	19	16	8.40
Warsop	8.16	1.44	21	15	9.62
St. Ann					
Alexandria	8.50	1.80	18	12	6.41
Armadale	5.79	1.71	18	12	..
Averham Park	17.35	2.94	14	20	13.64
Bel-Air	9.85	2.50	21	14	10.56
Beverley L. S.	6.87	1.70	21	12	..
Brown's Town	11.68	2.32	22	15	11.72
Cave Valley	4.55	1.38	8	12	5.29
Chippenham Park	17.58	4.39	21	19	..
Claremont	8.77	1.55	14	16	12.17
Discovery Bay	7.36	1.39	21	11	..
Eltham	7.05	1.54	24	8	..
Exchange	1.96	1.01	16	4	..
Greenock	4.76	1.13	18	16	..
Home Castle	10.54	3.15	20	7	9.13
Knapdale	9.86	1.84	18	14	15.69
Liberty Hill	9.48	3.90	18	15	9.92
Moneague	7.99	1.97	18	15	11.68
New Ground A. C.	9.09	1.92	18	15	..
Ocho Rios	8.00	1.36	18	13	9.91
Richmond Estate	6.55	1.22	22	14	9.23
Richmond Pen, L.S.	13.43	2.70	21	16	5.96
Rio Hoe	9.98	1.94	18	18	11.04
Rockfield	10.23	1.78	18	16	14.86
Runaway Bay	8.54	2.50	21	12	5.18
Rural Retreat	8.79	1.65	6	10	..
St. Ann's Bay	8.88	2.70	18	11	9.80
Stepney	7.61	2.11	24	12	..
Thatchfield L. S.	13.58	2.43	18	12	..
Unity	10.97	2.84	5	18	10.85
Watt Town	12.21	4.56	18	12	5.57
St. Mary					
Agualta Vale	4.30	1.40	23	13	12.85
Carron Hall	5.04	1.24	19	19	..
Castleton Gardens	12.83	2.60	5	14	8.60
Devon Pen L.S.	10.55	2.58	23	16	..
Dover Gray's Inn	6.66	2.14	23	16	..
Dover L.S.	6.59	2.33	23	17	17.09
Enfield	10.49	3.00	23	11	27.01

Stations	November, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
	ins.	ins.			ins.
St. Mary, *contd.*					
Fort Stewart	8.54	1.75	23	13	..
Fort Stewart, L.S.	10.23	1.24	20	23	..
Gibraltar	5.92	1.75	23	11	..
Golden Grove, East	5.87	2.30	23	10	..
Gray's Inn Cntl. Facty.	6.01	1.44	23	16	..
Guy's Hill	4.47	1.59	19	13	13.39
Hampstead	6.26	1.44	23	9	16.22
Iter Boreale	5.68	1.85	15	11	..
Jack's River	6.68	1.73	23	12	..
Lady Hole	9.52	2.39	23	15	..
Lower Esher	5.24	1.65	23	10	..
Lucky Hill	6.95	1.55	22	15	15.14
Lucky Hill Pen	8.95	2.50	23	12	..
Newry	4.86	1.87	23	15	..
Nutfield A. C.	4.80	2.90	23	12	..
Oracabessa	4.45	1.31	18	11	13.99
Orange River	4.98	.85	23	18	..
Platfield	5.81	.83	20	16	..
Port Maria	8.86	4.15	23	14	11.39
Prospect Estate	7.52	1.60	18*	7	..
Quebec	9.47	6.26	23	8	10.99
Retreat	7.56	2.90	18	7	..
Richmond Farm	5.86	1.08	21	18	..
Richmond	5.84	.88	23	15	12.45
Warwick	25.10	4.00	24	11	..
Water Valley	6.34	2.26	23	13	11.35
Western St. Mary	9.46	2.52	18	10	..
Windsor Castle	6.45	1.15	19	16	17.30
Portland					
Balcarres	12.02	3.16	23	15	42.43
Belle Vue	7.40	2.00	15	11	..
Belvedere	9.24	2.72	23	12	18.75
Boundbrook, L.S.	15.53	5.33	9	18	..
Bruton Hall	16.07	3.00	24	14	..
Buff Bay	8.20	2.55	23	15	16.52
Bybrook	10.90	3.42	23	14	..
Caenwood	10.78	1.98	14	21	..
Castle Comfort	7.79	1.78	23	9	..
Cedar Hurst	16.01	3.18	23	21	29.36
Chepstowe	13.38	3.25	23	5	..
Darley	14.07	6.11	9	20	..
Ecclesdown	15.09	2.15	4	18	..
Fellowship	14.18	2.65	9	23	26.70
Fruitful Vale	13.08	3.95	23	16	..
Hope Bay	10.18	3.03	9	14	24.38
Hopewell	8.61	1.84	23	14	..
Lennox	12.30	1.45	20	17	22.34
Manchioneal	13.90	3.45	14	18	15.47
Mill Bank	22.50	4.70	23	15	47.98
Moore Town	27.13	4.51	21	19	35.81
Mount Holstein	14.16	3.49	23	16	31.81
Mount Pleasant	N.A.	..	..	..	..
Passley Gardens	16.21	..	..	..	20.79
Plum Valley	14.89	4.21	23	12	..
Port Antonio	13.12	4.62	9	17	17.85
Spring Garden	8.06	2.15	22	15	16.75
Tom's Hope	15.92	3.75	9	26	..
Windsor A. C.	20.15	5.26	9	23	..

Stations	November, 1949 Total Fall	Greatest fall in 24 hours Amount	Greatest fall in 24 hours Date	Rain Days	Average
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	13.16	3.10	23	14	..
Bath	10.02	1.93	14	16	15.26
Bowden Pen	24.64	6.30	23	18	..
Cedar Valley	15.60	2.85	23	14	12.96
Clifton Hill	8.82	1.75	8	14	..
Coley	10.62	2.32	23	12	9.69
Duckenfield	7.65	1.48	8	17	..
Easington	6.53	1.38	8	14	6.08
Golden Grove J. S. E.	9.15	1.70	8	15	..
Llandewey	5.75	1.28	1	11	..
Lloyds	6.18	1.30	8	8	..
Lyssons L.S.	6.78	1.90	14	9	..
Morant Bay	14.07	7.55	14	9	7.75
Morant Pt. Lighthouse	9.04	2.63	3	19	8.41
Mount Mansfield	18.35	2.48	3	15	..
Norris	5.31	1.47	8	12	..
Plantain Garden River	9.42	1.71	8*	16	10.69
Pleasant Hill	14.38	2.57	8	12	..
Rowlandsfield L. S.	14.22	2.32	23	18	..
Seaforth	9.89	2.40	14	16	..
Spanishwood	8.09	1.38	8	20	..
Sunning Hill L.S.	9.45	2.10	14	10	..
Wheelerfield	9.46	2.00	23	17	..
Yallahs	4.58	1.63	8	8	7.48
Kingston and St. Andrew					
Bamboo Avenue	3.21	1.28	1	14	..
Brandon Hill	8.32	2.50	19	12	..
Cavaliers	2.59	.95	1	11	..
Clifton Pen	2.87	1.23	1	10	5.46
Constant Spring F. P.	9.69	2.27	23	17	..
Constant Spring Ch. Rd.	4.85	1.15	5	11	..
Dallas Castle	4.21	.86	23	11	10.66
Fort George	7.54	1.39	6	19	..
Golden Spring	9.09	2.18	4	18	..
Gordon Town	4.97	1.02	23	14	9.89
Grey Weathers	7.54	1.33	21	16	..
Guava Ridge	5.61	1.75	23	10	14.23
Halfway Tree	4.40	1.55	1	7	4.61
Harbour Head	2.93	.86	1	9	..
Hardware Gap P.W.D.	13.89	2.10	23	10	19.39
Hermitage	10.76	1.75	6	20	12.45
Hill Gardens	15.20	2.88	19	21	16.37
Hope Farm Agr. Stn.	5.43	1.20	1	14	6.27
Hope Laboratory	3.18	1.08	1	13	..
Hope Water Works	3.23	.82	1	13	..
Irish Town	7.47	2.10	21	13	10.50
Iver	4.42	1.20	6	12	..
King's House Gardens	4.05	1.30	1	9	5.17
Langley	22.27	2.84	6	20	..
Lawrence Tavern	5.26	1.55	92	8	10.04
Mavis Bank	5.49	1.30	22	17	14.23
Mount Airy	16.01	5.00	5	14	..
Mount Cressy	12.68	2.20	19	21	..
Mount Salus	3.87	..	..	..	..
Newcastle	12.04	2.50	20	22	..
Penfield Water Works	5.70	1.13	23	16	..

*And on other days.

N.A. = Not available

Stations	November, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Red Hills	3.79	1.14	21	8	9.17
Rose Hill	10.66	1.83	24	16	14.93
Seaview Filter Plant	8.60	2.11	6	16	..
Shortwood College	4.15	.85	6	15	..
Stony Hill	6.26	1.17	24	15	8.61
Twickenham Pen	3.72	1.74	13	8	..
Up Park Camp	2.73	1.20	1	7	..
Kingston					
Kingston P. W. O.	3.21	1.01	2	6	2.57
Palisadoes	2.13	1.10	18	9	..
Parade Gardens	2.81	.81	18	8	..
Plumb Pt. Lighthouse	1.72	.55	18	6	2.90
St. George's College	3.86	1.07	16	11	..
Upper Kingston	3.24	1.00	1	12	4.42
St. Catherine					
Above Rocks	3.28	1.09	19	5	..
Barry and Lloyds L.S.	2.29	.90	1	7	..
Bellas Gate	5.34	1.47	21	7	4.88
Bodles	1.05	1.05	1	1	..
Bog Walk	3.32	2.05	2	4	5.88
Brown's Hall	2.14	.80	1	7	10.45
Carew Castle	5.72	1.77	7	5	10.54
Ewarton	2.93	2.27	5	6	..
Ginger Ridge	3.98	1.50	1	14	..
Glengoffe	9.24	2.45	19	11	..
Grove Farm A. C.	1.23	.68	1	2	..
Headworks	3.43	.80	2	9	5.43
Hematine	2.11	1.51	13	9	4.87
Hog Hole	2.59	1.06	13	11	5.30
Knollis	3.45	2.11	7	5	8.11
Linstead	4.13	1.67	7	6	6.68
Old Harbour	2.40	.80	1	8	5.17
Pear Tree Grove	N.A.	..	..	..	13.04
Point Hill	2.58	.75	1	8	9.99
Quarantine Station	1.73	.37	14	9	3.71
Rio Magno	3.95	1.77	6	7	10.53
Riversdale	4.88	1.50	7	8	9.88
Sligoville	4.25	1.53	2	13	9.31
Spanish Town	2.14	1.07	13	9	4.29
Troja	5.34	.84	2	10	12.81
Tulloch Estate	3.35	1.12	7	17	..
Twickenham A. C.	1.42	.72	13	4	..
Worthy Park	6.56	3.04	21	12	5.44
Clarendon					
Amity Hall	2.99	1.60	1	5	..
Beauchamp	3.61	1.10	7	4	..
Belle Plain	4.00	1.43	1	6	8.93
Bog	4.51	3.10	1	6	..
Building	3.38	2.13	1	6	..
Carlisle	3.35	1.45	1	5	..
Chapelton	3.51	1.05	5	7	5.22
Clarendon Park, J.G.R.	N.A.	..	..	..	..

Stations	November, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Colonel's Ridge	4.41	1.96	21	12	..
Cottage	2.91	1.85	1	5	6.88
Cotton Tree Gully	3.70	2.50	1	4	..
Croft's Hill	6.16	1.58	1	9	7.10
Crooked River	4.67	1.48	21	13	5.65
DaCosta	3.53	2.58	1	4	..
Douce Pennants	6.26	1.52	2	9	..
Exeter	4.03	1.86	1	5	4.38
Frankfield	4.86	1.05	1	12	6.00
Gibbons	4.13	2.87	1	4	..
Glen Muir	3.79	1.26	1	9	6.85
Grimmetts	4.39	2.00	1	5	..
Hillside	3.06	2.50	1	2	3.71
James Hill	6.01	1.50	1	14	..
Kellits	8.52	2.35	1	11	..
Knights	2.72	1.16	1	3	..
May Pen	2.39	1.32	1	6	5.02
Milk River	2.42	1.09	1	4	5.17
Morelands	5.54	2.94	9	5	6.76
Mumby	3.14	1.80	1	3	..
New Monymusk	2.68	2.25	1	2	..
Peckham, L. S.	1.57	.50	9	7	..
Pennants	2.29	.80	1	7	..
Pusey Hall	3.31	2.05	1	4	..
Rock River	4.58	1.84	1	5	7.37
Salt Savannah	3.85	1.90	1	5	..
Silent Hill	6.27	2.04	21	11	..
Spaldings	4.86	1.42	21	8	7.75
Springfield	3.01	1.12	1	4	3.27
Suttons, J. G. R.	N.A.	..	..	..	6.84
Suttons, W. I. S. Coy.	3.26	2.28	1	2	..
Teak Pen L. S.	5.62	1.79	3	10	..
Thompson Town	7.20	1.71	21	13	..
Trout Hall	5.13	1.32	21	11	8.17
Tweedside	4.35	.80	1	12	..
Manchester					
Alligator Pond	4.06	1.64	1	6	3.83
Christiana	8.03	1.98	3	16	6.77
Chudleigh	10.35	3.50	3	13	7.10
Craig Head	13.71	3.20	19	9	..
Dunkeld	3.66	2.12	1	6	..
Garlogie	8.97	2.50	21	13	..
Greenvale	7.00	1.95	21	13	8.11
Grove Place	4.72	2.12	1	11	..
Holmwood	7.97	2.60	3	11	..
Hope, Spur Tree P.O.	3.24	.96	9	9	..
Kendal	4.92	2.34	1	9	6.64
Mandeville	3.86	1.58	1	6	7.41
Mandeville, (Manchester Hotel)	4.34	1.56	5	11	..
Mile Gully	8.54	2.35	9	9	..
New Forest, L. S.	4.84	1.68	18	6	..
Newport	4.91	1.40	9	12	6.99
Porus	3.98	2.37	1	4	..
Ramble	4.75	1.50	1	5	..
Retrieve	7.36	1.70	18	9	4.96
Stones Hope	4.75	2.00	14	3	6.00
Williamsfield	4.04	1.98	1	12	8.19

N.A.—Not available.

Stations	November, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Elizabeth					
Aberdeen	12.28	1.82	18	16	..
Accompong	N.A.	..	..	..	..
Appleton	10.13	2.09	18	17	6.58
Balaclava	10.18	2.51	18	14	5.97
Bartons	8.42	3.10	21	16	..
Black River	3.42	.70	1*	9	4.37
Braes River	14.35	3.90	21	16	..
Fort Charles	4.31	1.40	1	6	3.97
Ginger Hill	10.61	1.74	12	14	..
Gutters	4.16	.90	9	8	..
Hodges Estate	3.68	.89	16	12	..
Holland Estate	6.21	1.20	16	11	..
Hounslow	4.00	1.10	2	7	..
Ipswich	8.65	1.58	7	15	..
Lacovia	3.75	1.68	16	4	5.21
Lititz	3.53	1.84	1	3	..
Maggotty	8.57	1.64	16	14	6.91
Malvern	2.63	.64	1	9	..
Middle Quarters	6.08	1.60	16	12	..
Mount Charles	7.08	2.75	16	10	..
Mulgrave	10.60	1.85	12	16	..
Munro	3.52	1.15	1	14	5.67
Myersville	2.66	1.07	1	6	..
Oxford	12.07	2.95	3	19	..
Pedro Plains	2.30	1.53	2	4	4.21
Quickstep	N.A.	..	..	..	..
Santa Cruz	1.98	1.15	13	5	6.81
Southfield	7.45	1.50	2	10	..
Springfield	7.37	1.60	3	9	..
Springvale	8.66	2.90	21	10	..
Torrington	2.25	.84	5	5	6.67
Treasure Beach	3.23	2.55	1	4	..
Williamsfield	2.70	1.00	1	6	..
Windsor	3.06	.66	1	17	7.76
Yardley Chase	4.60	1.20	14	5	..
Westmoreland					
Albany	6.66	1.45	17	12	..
Barham	9.29	1.77	8	13	..
Bath Pen	3.85	1.11	9	5	..

Stations	November, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Westmoreland, *contd.*					
Baulk	10.12	1.72	8	14	..
Belle Isle	9.31	1.81	17	15	4.51
Bethel Town	11.59	3.20	6	16	7.56
Blue Castle	7.65	1.30	8	18	..
Bluefields	8.61	3.75	3	12	6.59
Cornwall	6.26	1.34	8	15	..
Darliston	13.31	1.89	4	18	7.55
Fontabelle	7.79	1.75	17	14	3.49
Friendship	10.78	2.55	7	14	..
Frome	7.50	1.75	17	14	..
Kew Park	11.90	3.13	6	20	5.78
Lamb's River	14.74	3.40	6	19	..
Little London	6.68	1.83	1	8	4.58
Masemure	6.10	1.21	24	14	..
Meyersfield	5.85	1.50	17	8	..
Midgham	7.89	2.02	6	14	..
Mint	8.98	1.30	5	19	..
Mount Eagle(W.I.S. Co.)	7.95	1.47	18	14	..
Mount Eagle (W.I.S.Co.)	7.32	1.35	9	17	..
Mount Edgecombe	7.64	1.64	16	14	5.11
Negril Pt. Lighthouse	5.86	1.73	1	12	3.90
New Market	28.16	3.50	1	18	6.91
Paul Island	8.43	1.85	17	14	..
Petersfield	4.34	.85	14	16	..
Petersville	8.02	2.10	16	12	6.42
Prospect	12.03	2.30	8	15	..
Rat Trap	4.05	1.40	4	6	..
Retreat Estate	5.44	1.56	9	10	4.61
Retrieve	6.60	1.20	9	14	..
Sav.-la-Mar	3.51	.85	9	11	3.89
Sheffield	14.19	3.07	9	17	..
Shrewsbury	9.10	1.13	8	15	..
St. Leonards	13.81	2.20	5	19	..
Water Works Farm	9.24	1.60	14	13	5.06
Welch Pole	10.81	1.70	14	16	..
Whithorn	10.91	1.47	18	13	5.66
Williamsfield	16.29	1.40	16	19	..

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

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

The Island Rainfall

As outlined in the January, 1946, 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 11 months of 1949 is also compared with the averages.

Comparative Table of Rainfall Means—November, 1949

Parish	Rainfall for November			Rainfall, Jan.–November	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	10.45	6.41	15.9	82.01	78.57
St. James	11.29	7.34	15.0	60.11	62.02
Trelawny	12.51	7.68	16.5	56.91	61.29
St. Ann	9.26	9.48	13.4	46.64	58.46
St. Mary	7.55	13·93	13.3	51.26	74.83
Portland	13.60	24.77	16.2	95.60	129.69
St. Thomas	10.47	9.48	13.9	89.25	78.60
Kingston and St. Andrew	6.50	9.98	13.0	44.81	65.50
St. Catherine	3.51	6.98	7.9	46.51	61.39
Clarendon	4.14	5.50	6.8	46.21	62.62
Manchester	6.09	6.30	9.2	58.32	70.88
St. Elizabeth	6.20	5.85	10.4	64.08	67.78
Westmoreland	9.21	5.39	14.2	86.10	86.04
The Island	8.37	8.78 "70-Year"† 9.31	12.4 "45-Year" 11.9	62.62	70.62 "70-Year" 71.81

Note:—
†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 November Rainfall

The mean for the whole Island was very near the seasonal average but the distribution was again very erratic. The parishes in the extreme west and northwest of the Island received more than 50% in excess of the normal whereas St. Mary, Portland and St. Catherine showed a deficit of about 40%.

The highest monthly total was reported at New Market in Westmoreland with 28.16 inches and Moore Town Portland was a close second with 27.13 inches.

The greatest daily falls occurred at Morant Bay in St. Thomas (7.55 inches on 14th) and at Lichfield in Trelawny (7.46 inches on 18th).

Tropical Storm of 3rd/4th November

This storm started as an area of low pressure in the vicinity of Swan Island, with a well-defined centre about 50 miles in diameter. The highest winds reported were 55–60 m.p.h. and the active part of the circulation extended only to about 4,000 feet. The centre drifted SSW. into the NE. tip of Honduras and dissipated on the 4th. No damage was reported.

City of Kingston

Temperatures in the city followed the normal trend for the time of the year—the average for the month (79.3° F.) being slightly above the normal.

The city rainfall was 2.93 inches which was about 75% of the 20-year average. The number of raindays was 6–8 along the waterfront increasing inland to 11–12 days in Upper Kingston.

At Palisadoes there were three thunderstorms early in the month, mainly of slight intensity, and thunder was heard on a further 3 days. Distant lightning was seen on eight nights, mainly over the sea to the east of the Island. Adjacent showers were reported on four days when rain was not experienced at Palisadoes.

Lunar coronas and solar halos were seen on ten occasions.

Earthquakes

Date	Time	Intensity	Where Felt
23rd	1.10 a.m.	Heavy	Richmond (St. Mary) and Treasure Beach (St. Elizabeth)
23rd	1.10 a.m. to 1.20 a.m.	Slight	Many places in Hanover, St. James, St. Ann, Manchester, St. Elizabeth and Westmoreland.

British Caribbean Meteorological Service,
Palisadoes,
Kingston, Jamaica, B.W.I.
14th July, 1953.

No. 883

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JAMAICA
WEATHER REPORT

FOR THE MONTH OF
DECEMBER, 1949

MONTHLY CLIMATOLOGICAL MEANS

NOTES:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 45° F., and Mean Sea Level.

The thermometers are exposed in the shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in eighths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations, only making two readings a day, do so at 7 a.m. and 3 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.†	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	ins.	ins.	°F	°F	°F	°F	°F	°F	°F		°F		°F	Hrs.
Castleton Gardens ..	496	..	..	69.2	79.3	..	82.9	62.1	20.8	89.1	8	59.9	28	29.2	..
Grove Place A.C. ..	1460	..	..	66.1	76.4	..	81.0	63.3	17.7	84.9	9	53.0	16	31.9	7.41
Hill Gardens ..	4900	..	..	56.6	62.1	..	67.1	54.5	12.6	73.0	11	49.3	*14	23.7	..
Hope Laboratory ..	668	..	..	68.0	82.2	..	86.0	64.7	21.3	89.2	11	60.1	*2	29.1	..
Kingston ..	80	..	..	70.8	81.2	..	86.8	69.5	17.3	90.5	10	65.3	16	25.2	..
Lorrimers ..	2700	..	..	64.9	..	..	73.9	61.0	12.9	80.0	28	53.0	18	27.0	..
Morant Pt. Light Hs. ..	8	29.937	29.912	78.0	80.8	78.6	82.5	74.5	8.0	87.0	26	65.0	24	22.0	..
Negril Pt. Light Hs. ..	33	29.924	29.900	71.5	84.1	75.4	85.6	67.9	17.7	90.0	7	64.0	*16	26.0	..
Orange River Exp. St.	450	..	..	70.2	76.6	..	79.8	66.2	13.6	82.0	*10	60.7	*16	21.3	6.54
Palisadoes Airport ..	19	29.935	29.908	74.0	84.0	78.4	85.9	72.9	13.0	89.0	*10	71.0	*14	18.9	8.40

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower (L) and Total (T)					
	7 a.m.		1 p.m.†		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	63	80	72	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	62	88	63	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	54	90	59	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	66	91	69	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	66	87	71	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers .	63	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	72	82	73	77	72	80	NE	14	N	12	NE	18	4.1	5.0	4.1	4.6	2.2	3.0
Negril Pt. Light Hs.	67	88	68	59	67	77	NE	4	NE	10	NE	7	1.5	2.2	2.3	2.9	1.7	2.6
OrangeRiver Exp.St.	67	90	69	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	69	86	71	65	69	74	CA	LM	S	7	N	7	1.3	3.1	1.5	3.8	1.1	2.4

*And on other days. †Temperatures are read at 3 p.m. at non-synoptic reporting stations.

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.

The Rainfall is measured at 7 a.m. and recorded, by convention, as having fallen on the previous day.

Stations	December, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish	3.61	1.25	24	7	2.60
Blenheim	2.80	.75	24	8	..
Blue Hole	6.36	2.00	23	9	2.88
Cascade	5.45	1.60	23	9	..
Copse	5.18	2.82	7	8	3.72
Cousin's Cove	3.52	1.08	24	17	2.33
Green Island	4.49	1.11	7	11	2.22
Green River	2.70	.78	26	6	..
Haughton Court, A.C.	3.28	.80	24	9	3.12
Haughton Grove	4.66	2.45	24	10	2.82
Haughton Hall	3.60	1.03	25	14	1.30
Hopewell	2.73	.76	6	9	8.18
Kendal	3.78	1.38	28	8	..
Kingsvale	0.53	.25	24	4	2.64
Lucea	3.80	1.95	25	9	3.30
Middlesex	N.A.				
Retirement	3.65	1.00	23	9	..
Santoy, L.S.	2.81	1.70	7	4	..
Shettlewood	3.21	1.60	24	9	..
St. James					
Adelphi	3.61	1.30	6	6	..
Anchovy	3.67	1.46	6	8	2.66
Cambridge	4.92	2.30	25	8	1.95
Catadupa	3.09	1.04	29	7	2.44
Cinnamon Hill	4.50	3.73	6	6	4.33
Cornwall Works	3.80	2.04	6	7	..
Friendship	5.43	2.45	24	11	3.30
Irwin, A.C.	6.33	3.00	24	18	5.81
John's Hall	3.01	1.24	4	4	..
Kempshot	N.A.	..	..	..	4.85
Lapland	3.09	.83	24	9	..
Latium, L.S.	4.27	1.36	6	13	7.12
Maldon	2.60	1.35	14	3	..
Montego Bay	2.58	.58	24	7	4.04
Montpelier	2.93	.96	6	12	1.75
Retirement	5.40	1.89	24	7	3.22
Richmond Hill	4.29	1.30	6	10	..
Rose Hall	6.23	3.85	6	13	4.33
Running Gut	6.95	4.66	6	10	4.45
Spring Estate	5.19	3.50	6	7	4.51
Success	5.08	3.71	6	8	3.71
Sweetwater	3.89	.98	24	8	..
Tryall	4.12	2.33	6	7	3.20
Vaughansfield	N.A.	..	..	..	..
Windsor Lodge	3.12	.90	3	10	..

Stations	December, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Trelawny	Ins.	Ins.			Ins.
Albert Town	5.88	2.00	6	5	3.31
Arcadia	5.50	2.90	6	12	6.32
Clark's Town	7.28	4.85	6	12	4.70
Duncans	4.02	2.31	6	7	2.85
Falmouth	5.20	2.45	6	7	4.24
Harmony Hall	4.82	3.03	6	12	5.55
Hyde and Gibraltar	6.15	2.99	6	7	..
Litchfield	6.05	1.66	29	11	..
Lorrimers	2.47	.90	7	10	..
Reserve Pen, L.S.	3.15	.75	23	8	..
Stewart Town	7.36	3.82	6	11	..
Troy	2.83	1.65	27	5	2.87
Troy, L.S.	2.83	1.65	27	5	..
Ulster Spring	4.84	1.90	6	8	3.89
Vale Royal	5.90	3.20	6	16	7.64
Wait-a-bit	6.05	1.66	28	11	..
Wakefield	3.55	1.70	6	14	3.62
Warsop	5.95	2.56	28	9	2.94
St. Ann					
Alexandria	6.27	2.90	6	4	2.98
Armadale	6.51	3.03	6	9	..
Averham Park	16.40	5.50	6	21	10.26
Bel-Air	7.95	5.00	6	17	6.18
Beverley, L.S.	4.80	1.60	6	12	..
Brown's Town	8.85	4.52	6	10	8.50
Cave Valley	2.93	1.59	6	9	2.77
Chippenham Park	12.58	4.41	6	25	..
Claremont	16.62	6.32	6	20	7.81
Discovery Bay	6.84	4.00	6	11	..
Eltham	5.68	1.10	8	13	..
Exchange	4.69	1.50	21	7	..
Greenock	3.02	1.80	6	9	..
Home Castle	13.92	6.37	6	10	7.67
Knapdale	12.94	5.50	6	18	10.93
Liberty Hill	3.45	.95	6	16	7.27
Moneague	12.69	6.24	6	18	6.90
New Ground, A.C.	6.81	1.80	7	18	..
Ocho Rios	5.43	1.13	8	11	6.41
Richmond Estate	2.80	.47	23	16	7.24
Richmond Pen, L.S.	6.07	3.82	6	9	4.26
Rio Hoe	13.51	6.32	6	20	8.28
Rockfield	8.57	2.69	6	21	9.18
Runaway Bay	4.02	1.75	6	10	3.49
Rural Retreat	10.98	5.93	6	11	..
St. Ann's Bay	2.64	.42	22	13	7.15
Stepney	8.71	2.08	7	10	..
Thatchfield, L.S.	11.46	5.04	6	18	..
Unity Valley	12.63	6.54	6	18	7.10
Watt Town	3.97	2.60	6	5	2.74

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

Stations	December, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Mary	Ins.	Ins.			Ins.
Agualta Vale	11.58	2.65	6	17	9.26
Breezy Hill, Carron Hall	15.68	7.95	6	20	..
Castleton Gardens	33.12	12.00	6	19	13.34
Devon Pen, L.S.	21.94	11.50	6	14	..
Dover A.C.	5.08	.58	6	18	11.56
Dover, L.S.	5.31	.95	11	21	..
Enfield	17.59	6.90	6	16	20.71
Fort Stewart	12.42	5.85	6	15	..
Fort Stewart, L.S.	36.38	5.06	5	27	..
Gibraltar	3.28	1.25	6	10	..
Golden Grove	4.85	1.25	11	14	..
Gray's Inn Cen. Fact.	7.93	3.50	6	14	..
Guy's Hill	9.20	3.11	6	14	7.78
Hampstead	7.34	3.83	6	9	11.60
Iter Boreale	3.02	.75	6	9	..
Jack's River	4.29	1.73	7	10	..
Lady Hole	10.89	5.85	6	19	..
Lower Esher	6.95	3.07	6	10	..
Lucky Hill	11.00	5.20	6	17	9.94
Lucky Hill Pen	12.90	3.75	6	18	..
Newry	3.48	.95	7	13	..
Nutfield, A.C.	1.53	.45	8	10	..
Oracabessa	3.59	.90	22	16	6.64
Orange River	11.56	5.40	6	20	..
Platfield	21.58	14.29	6	13	..
Port Maria	3.37	.89	5	11	6.95
Prospect	5.18	1.20	7	8	..
Quebec	3.71	1.62	22	9	8.68
Retreat	6.08	1.35	7	9	..
Richmond Farm Prison	10.90	5.70	6	25	..
Richmond	10.41	4.15	6	20	9.68
Warwick	19.11	3.00	6	19	..
Water Valley	5.45	1.62	6	16	9.50
Western St. Mary	17.73	6.27	7	14	..
Windsor Castle	12.22	2.86	6	19	10.42
Portland					
Balcarres	43.63	14.63	6	19	32.80
Belle Vue	7.90	1.10	6*	12	..
Belvedere	11.85	3.17	6	9	14.51
Boundbrook, L.S.	7.17	1.22	22	24	..
Bruton Hall	24.03	3.50	5	21	..
Buff Bay	5.36	1.15	22	13	11.66
Bybrook	17.39	2.73	6	19	..
Caenwood	5.63	.81	29	18	..
Castle Comfort	1.64	.50	29	6	..
Cedar Hurst	31.68	8.70	5	24	11.90
Chepstowe	18.40	2.90	6	24	..
Darley	8.78	1.00	30	24	..
Ecclesdown	12.81	2.11	1	17	..
Fellowship	9.63	1.00	20	20	17.73
Fruitful Vale	25.20	3.50	6	28	..
Hope Bay	6.82	1.50	22	16	11.15
Hopewell	4.06	.52	29	17	..
Lennox	4.90	1.80	6	22	15.50
Manchioneal	4.77	.98	7	15	7.10
Mill Bank	30.58	4.53	5	20	26.54
Moore Town	29.95	3.57	5	19	24.15
Mt. Holstein	40.73	9.65	6	20	19.11
Mt. Pleasant	N.A.	..	..	..	..
Passley Gardens	2.91	..	..	..	8.76

Stations	December, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Plum Valley	17.29	4.08	6	22	..
Port Antonio	6.59	1.11	22	23	12.14
Spring Gardens	7.11	1.09	5	20	9.79
Tom's Hope	10.87	1.90	20	26	..
Windsor, A.C.	17.84	2.85	5	27	..
St. Thomas					
Barrett's Gap	11.41	2.20	5	16	..
Bath	8.74	1.38	5	17	8.95
Bowden Pen	22.71	5.50	4	17	..
Cedar Valley	9.30	1.65	11	15	4.36
Clifton Hill	4.08	.91	6	10	..
Coley	6.23	2.63	23	10	4.47
Duckenfield	2.50	.85	7	10	..
Easington	2.67	.94	23	12	2.49
Golden Grove, J.S.E.	3.35	1.15	7	7	..
Llandewey	2.66	.80	23	7	..
Lloyds	2.31	1.12	12	5	..
Lyssons, L.S.	1.62	.70	19	5	..
Morant Bay	0.94	.45	7	4	3.81
Morant Point Light Hs.	3.10	1.14	23	15	5.31
Mt. Mansfield, L.S.	9.81	2.14	12	12	..
Norris	3.40	1.16	28	6	..
Plantain Garden River	4.85	1.57	7	16	..
Pleasant Hill	3.98	.95	7	12	5.00
Rowlandsfield, L.S.	5.06	1.87	7	18	..
Seaforth	5.32	1.55	23	15	..
Spanishwood	2.56	1.05	6	10	..
Sunning Hill, L.S.	9.47	2.85	11	10	..
Wheelerfield	3.87	.83	8	15	..
Yallahs	1.55	.48	28	5	1.66
Kingston and St. Andrew					
Bamboo Avenue	2.88	.69	28	10	..
Brandon Hill	17.37	4.68	6	15	..
Cavaliers	1.96	.98	23	8	..
Clifton Pen	1.94	.48	28	8	1.03
Constant Spring, F.P.	5.32	1.13	5	13	..
Constant Spring, Ch. Rd.	3.93	1.65	23	9	..
Dallas Castle	2.42	.77	23	12	2.40
Fort George	7.31	1.58	5	18	..
Golden Spring	9.33	2.05	5	19	..
Gordon Town	2.61	.60	11	11	2.89
Grey Weathers	6.59	1.60	5	18	..
Guava Ridge	3.07	.75	11	12	4.30
Halfway Tree	2.17	1.03	23	7	1.64
Harbour Head	1.45	.55	23	5	..
Hardware Gap, P.W.D.	17.24	4.35	5	18	6.92
Hermitage	10.72	2.38	5	21	3.27
Hill Gardens	22.38	4.30	5	21	9.45
Hope Farm Ag. Stn.	4.06	..	..	..	2.55
Hope Laboratory	2.69	.73	23	10	..
Hope Waterworks	2.75	.63	23	11	..
Irish Town	5.76	1.20	5	11	3.21
Iver	3.26	1.02	23	10	..
King's House Gardens	3.45	1.57	23	9	1.85

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

Stations	December, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Kingston and St. Andrew, *contd.*	Ins.	Ins.			Ins.
Langley	24.94	3.70	24	23	..
Lawrence Tavern	5.94	1.26	6	11	4.24
Mavis Bank	2.45	.56	5	13	4.30
Mount Airy	30.89	4.50	5	20	..
Mount Cressy	30.91	4.20	31	27	..
Mount Salus	3.08	..	..	..	..
Newcastle	11.59	3.18	6	17	..
Penfield Water Works	2.56	.55	5	11	..
Red Hills	1.99	1.15	5	3	1.81
Rose Hill	11.35	2.00	25	19	4.47
Sea View F.P.	9.05	1.82	5	13	..
Shortwood College	2.66	.89	5	9	..
Stony Hill	9.52	1.90	5	9	3.68
Twickenham Pen	2.18	1.00	23	5	..
Up Park Camp	1.62	.82	23	8	..
Kingston					
Kingston P.W.O.	0.84	.54	28	2	1.21
Palisadoes	0.75	.21	23	6	..
Parade Gardens	1.53	.89	23	6	..
Plumb Pt. Lighthouse	0.20	.20	11	1	1.24
St. George's College	1.69	.91	23	8	..
Upper Kingston	1.63	.86	22	9	0.91
St. Catherine					
Above Rocks	6.60	1.26	12	11	..
Barry & Lloyds, L.S.	3.69	1.00	25	7	..
Bellas Gate	1.58	.84	12	4	1.22
Bodles Agr. Stn.	1.70	1.10	23	2	..
Bog Walk	4.42	1.70	18	4	1.38
Brown's Hall	1.97	.83	6	6	3.31
Carew Castle	5.00	5.00	11	1	4.59
Ewarton	4.21	2.43	6	6	..
Ginger Ridge	0.84	.47	4	4	..
Glengoffe	12.36	3.10	6	16	..
Grove Farm, A.C.	4.29	2.06	23	6	..
Headworks	1.79	.86	25	5	2.01
Hematine	1.55	.67	5	8	1.23
Hog Hole	2.95	1.35	4	9	2.08
Knollis	4.03	1.00	6	9	1.87
Linstead	3.52	1.54	6	6	3.09
Old Harbour	1.43	.46	23	8	2.21
Pear Tree Grove	14.45	6.50	6	10	7.51
Point Hill	5.66	1.28	23	11	4.18
Quarantine Station	0.66	.30	28	5	0.75
Rio Magno	13.74	8.25	6	10	6.39
Riversdale	10.61	5.00	6	10	3.48
Sligoville	5.78	1.02	5	17	3.15
Spanish Town	2.64	1.08	8	8	1.69
Troja	20.22	11.00	7	11	8.19
Tulloch Estate	5.44	1.80	6	10	..
Twickenham Park, A.C.	2.40	1.50	8	3	..
Worthy Park	3.90	2.10	6	10	2.85
Clarendon					
Amity Hall	1.81	.65	26	4	..
Beauchamp	1.25	.80	12	3	..
Belle Plain	2.32	.76	8	5	2.09
Bog	0.75	.25	22	4	..

Stations	December, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Clarendon, *contd.*	Ins.	Ins.			Ins.
Brixton Hill	N.A.				
Building	1.77	1.77	28	1	..
Carlisle	1.67	.56	22	7	..
Chapelton	1.05	.61	24	4	2.19
Clarendon Park, J.G.R	N.A.				
Colonel's Ridge	3.90	1.50	6	12	..
Cottage	0.79	.31	23	4	1.32
Cotton Tree Gully	0.75	.30	22	4	..
Croft's Hill	2.79	1.60	6	7	2.03
Crooked River	3.54	1.00	25	10	..
DaCosta	1.72	.70	23	4	..
Douce Pennants	3.87	1.41	28	6	..
Exeter	0.91	.36	26	4	1.71
Frankfield	2.60	.74	6	6	1.89
Gibbons	0.58	.25	22	3	..
Glen Muir	1.35	.83	5	5	1.31
Grimmetts	0.60	.50	26	2	..
Hillside	0.00	..	..	0	2.99
James Hill	3.20	1.00	7	6	..
Kellits	4.89	1.97	6	11	..
Knights	2.27	.88	26	4	..
May Pen	2.06	1.07	5	4	1.87
Milk River	0.48	.22	28	3	1.78
Morelands	1.14	.72	23	4	2.51
Mumby	1.80	.83	26	5	..
New Monymusk	0.00	..	..	0	..
Peckham, L.S.	1.93	.90	6	8	..
Pennants	1.59	1.00	25	6	..
Pusey Hall	1.90	.80	22	3	..
Rock River	2.18	1.59	23	3	1.23
Salt Savannah	1.88	1.10	22	6	..
Silent Hill	3.10	1.10	6	2	..
Spaldings	2.65	1.42	23	5	2.12
Springfield	0.30	.30	26	1	2.34
Suttons, J.G.R.	1.68	.60	24	7	1.97
Suttons, W.I.S.C.	0.88	.86	27	2	..
Teak Pen, L.S.	2.02	1.32	24	6	..
Thompson Town	3.25	1.13	24	10	..
Trout Hall	2.44	.70	28	10	2.32
Tweedside	2.29	1.30	6	8	..
Manchester					
Alligator Pond	0.30	.20	23	2	1.94
Christiana	2.37	1.03	5	8	2.71
Chudleigh	1.85	.90	6	4	2.43
Craig Head	2.82	.94	6	4	..
Dunkeld	1.81	1.10	24	5	..
Garlogie	2.08	.70	6	7	..
Greenvale	0.57	.33	6	5	1.60
Grove Place	1.79	1.19	24	8	..
Holmwood	2.23	1.08	7	5	..
Hope, (Spur Tree)	2.16	1.37	23	7	..
Kendal	N.A.	..	..	..	2.35
Mandeville	2.25	1.58	24	5	2.81
Mandeville (Manch.Hot.)	1.84	1.05	23	5	..
Mile Gully	0.00	..	..	0	..
New Forest, L.S.	0.60	.60	23	1	..
Newport	2.49	1.52	23	7	2.78
Porus	1.39	.46	24	4	..
Ramble	0.00	..	..	0	..
Retrieve	2.80	1.00	7	6	1.62
Stones Hope	4.15	3.15	23	4	2.45
Williamsfield	1.55	.50	24	7	2.07

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

Stations	December, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	5.40	1.89	24	9	..
Accompong ..	N.A.				
Appleton	3.12	1.35	27	5	3.15
Balaclava	1.10	1.10	27	1	2.11
Bartons	4.48	2.54	27	6	..
Black River ..	2.00	1.70	27	2	2.10
Braes River ..	2.43	1.28	28	4	..
Fort Charles ..	1.03	.85	23	2	1.72
Ginger Hill ..	3.63	1.42	25	8	1
Gutters	1.70	1.70	23	1	..
Hodges Estate ..	1.85	1.10	27	4	..
Holland Estate ..	2.50	.67	27	8	..
Hounslow	3.30	1.55	23	5	..
Ipswich	0.68	.48	7	3	..
Lacovia	3.00	1.12	23	4	2.08
Lititz	3.27	1.10	12	4	..
Maggotty	3.82	2.00	24	5	2.71
Malvern	3.73	2.25	23	7	..
Middle Quarters ..	1.09	.32	25*	7	..
Mount Charles ..	1.48	.89	23	7	..
Mulgrave	3.60	1.20	25	6	..
Munro	1.28	.56	23	10	2.54
Myersville	3.61	1.08	23	5	..
Oxford, L.S. ..	1.57	1.02	25	7	..
Pedro Plains ..	0.55	.26	23	4	1.59
Quickstep	N.A.	..	..	..	..
Santa Cruz ..	1.09	.59	27	2	2.62
Southfield	0.77	.42	20	3	..
Springfield	1.54	.70	5	7	..
Springvale, L.S. ..	4.74	2.10	24	4	..
Torrington ..	1.65	.86	23	4	2.36
Treasure Beach ..	0.42	.19	28	3	..
Williamsfield ..	1.87	.97	23	2	..
Windsor	3.36	1.80	23	9	2.10
Yardley Chase .	0.00	..	..	0	..

Stations	December, 1949				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland	Ins.	Ins.			Ins.
Albany	1.34	.61	7	5	..
Barham	1.18	.43	7	8	..
Bath Pen	1.92	1.31	7	3	..
Baulk	1.21	.33	7	6	..
Belle Isle	2.35	1.53	7	6	3.01
Bethel Town ..	2.49	.80	24	6	1.96
Blue Castle ..	1.83	.85	7	8	..
Bluefields	0.94	.84	27	3	2.56
Cornwall	2.27	1.50	7	6	..
Darliston	5.23	1.05	29	8	2.89
Fontabelle	2.25	1.42	7	7	..
Friendship	1.56	.50	24	9	..
Frome	2.59	1.68	7	4	..
Kew Park	3.67	1.88	24	12	2.33
Lamb's River ..	4.85	2.45	24	7	..
Little London ..	1.83	.65	7	5	2.06
Masemure	1.01	.46	7	5	..
Meyersfield ..	2.05	.95	8	5	..
Midgham	1.39	.50	7	7	..
Mint	2.37	1.36	7	7	..
Mount Eagle, (P.W.D.)	1.92	1.36	7	5	..
Mount Eagle, W.I.S.C.	2.05	1.21	7	7	..
Mount Edgecombe ..	0.94	.38	27	10	2.21
Negril Point, L.H. ..	1.82	.65	29	6	1.91
New Market ..	3.15	1.10	20	6	2.29
Paul Island ..	2.04	1.25	7	6	..
Petersfield	1.80	.62	7	7	..
Petersville	4.52	2.10	30	7	2.78
Prospect Park ..	1.84	.55	25	8	..
Rat Trap	N.A.				
Retreat Estate ..	1.58	.73	28	4	2.06
Retrieve	1.23	.57	7	6	1.62
Sav.-la-Mar ..	1.94	1.05	28	4	1.91
Sheffield	3.58	1.00	7*	8	..
Shrewsbury ..	1.52	.27	27	8	..
St. Leonard's ..	N.A.				
Water Works Farm ..	1.57	.46	21	6	2.47
Welch Pole ..	2.96	.90	27	5	..
Whithorn	0.88	.53	27	2	2.52
Williamsfield ..	3.53	.85	7	7	..

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

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

The Island Rainfall

As outlined in the January 1946 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 twelve months of 1949 is also compared with the average.

Comparative Table of Rainfall Means—December, 1949

Parish	Rainfall for December			Rainfall, Jan.—Dec.	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average †Inches
Hanover	3.67	2.62	8.9	85.68	81.19
St. James	4.27	2.99	8.7	64.38	65.01
Trelawny	4.99	3.86	9.4	61.90	65.15
St. Ann	8.12	6.08	13.6	54.76	64.54
St. Mary	10.76	9.44	15.2	62.02	84.27
Portland	14.84	15.71	19.4	110.44	145.40
St. Thomas	5.48	5.09	11.2	94.73	83.69
Kingston and St. Andrew ..	6.78	3.60	11.8	51.59	69.10
St. Catherine	5.27	3.48	7.8	51.78	64.87
Clarendon	1.86	1.88	5.0	48.07	64.50
Manchester	1.75	2.14	4.7	60.07	73.02
St. Elizabeth	2.29	2.13	4.8	66.37	69.91
Westmoreland	2.19	2.38	6.3	88.29	88.42
The Island	5.61 ..	4.46 "70-Year"† 5.31	9.7 "45-Year" 8.8	68.23 ..	75.07 "70-Year" 77.12

Note:— †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

The mean rainfall for the Island was 26% in excess of the normal with most Parishes recording amounts considerably in excess of the seasonal average. The few Parishes which were near the normal had less than an inch deficiency. The Parishes with the highest figures were in the north-east of the Island, which is a normal feature for the month of December.

The highest monthly totals were recorded in the Parish of Portland, where 43.63 inches fell at Balcarres and 40.73 inches at Mount Holstein. Six other Stations in Portland, St. Mary and St. Andrew reported totals exceeding 30 inches.

The heaviest daily fall was 14.63 inches at Balcarres while Platfield in St. Mary was close behind with 14.29 inches.

The Year's Rainfall, 1949

The mean rainfall for the Island during 1949 was 91% of the 20-year average.

St. Thomas was relatively the wettest Parish with 13% in excess of the normal rainfall. The western Parishes received approximately the normal fall but Central and Eastern Parishes, with the exception of St. Thomas, had only 75-80% of the rainfall average.

Earthquakes

Date	Time	Intensity	Where felt
28th	Not known	Slight	Hill Gardens, Cinchona, St. Andrew

City of Kingston

The month of December was rather cooler than the normal with a mean temperature of 76.6° F. compared with the average of 77.7° F.

The City rainfall of 1.11 inches was 13% in excess of the 20-year normal.

At Palisadoes, there were slight thunderstorms on two days and thunder was heard over the mountains on a third day. Distant lightning was seen on a further two days.

In addition to the 6 days of rain at Palisadoes, showers were seen over St. Andrew and St. Thomas on 12 days of the month.

Halos and coronas were observed on 6 occasions.

Summary of Monthly Parish Rainfall and Raindays, 1949

Parish	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 ..	0.76	0.94	2.70	3.99	12.92	9.01	9.64	12.53	11.17	7.90	10.45	3.67	85.68	4.3	2.8	6.2	8.2	19.5	17.0	15.6	16.4	15.7	13.4	15.9	8.9	143.9
St. James ..	1.91	0.56	2.45	2.36	10.90	6.41	4.68	6.82	6.66	6.07	11.29	4.27	64.38	8.4	2.5	5.5	5.0	16.6	11.2	9.8	11.3	12.2	10.4	15.0	8.7	116.6
Trelawny ..	2.52	0.55	3.81	2.18	10.26	3.68	3.96	5.03	5.58	6.83	12.51	4.99	61.90	8.6	2.5	7.7	4.2	15.0	7.7	8.4	9.3	10.2	11.0	16.5	9.4	110.5
St. Ann ..	4.61	1.23	1.51	1.00	10.71	3.15	3.20	2.83	3.62	5.52	9.26	8.12	54.76	13.3	5.3	5.0	2.9	13.9	8.0	7.4	5.9	9.2	11.0	13.4	13.6	108.9
St. Mary ..	6.89	3.91	2.29	0.77	8.70	1.84	3.03	2.07	5.70	8.51	7.55	10.76	62.02	16.3	10.0	6.0	3.0	11.8	5.8	7.8	6.1	11.8	13.9	13.3	15.2	121.0
Portland ..	9.30	4.77	4.12	2.07	14.35	7.22	11.17	5.74	9.10	14.16	13.60	14.84	110.44	18.9	12.0	8.7	6.1	14.2	10.5	12.5	9.0	13.2	16.8	16.2	19.4	157.5
St. Thomas ..	3.44	1.63	2.10	1.27	15.29	8.50	6.75	10.23	18.20	11.37	10.47	5.48	94.73	11.5	7.7	7.2	4.8	12.4	12.7	13.5	10.0	14.9	15.3	13.9	11.2	135.1
Kingston and St. Andrew..	1.17	0.58	2.08	1.27	6.54	2.97	4.47	3.45	7.25	8.53	6.50	6.78	51.59	5.8	2.4	7.1	4.4	12.2	8.6	10.1	9.4	11.9	14.6	13.0	11.8	111.3
St. Catherine	1.18	1.11	2.06	1.40	10.40	4.50	4.95	4.39	6.90	6.11	3.51	5.27	51.78	4.1	3.8	5.2	3.4	13.5	7.8	8.5	8.5	11.5	11.3	7.9	7.8	93.3
Clarendon ..	0.53	0.80	1.78	1.54	7.87	4.76	4.18	4.25	11.13	5.23	4.14	1.86	48.07	2.7	3.4	5.2	2.4	11.4	8.4	7.7	8.0	12.0	10.3	6.8	5.0	83.3
Manchester ..	0.67	0.48	5.12	1.15	11.45	5.79	5.47	3.85	10.09	8.16	6.09	1.75	60.07	3.4	3.0	9.0	3.1	13.1	9.5	9.7	9.4	14.0	12.9	9.2	4.7	101.0
St. Elizabeth ..	0.19	0.68	6.13	5.41	11.84	4.55	5.43	5.37	7.82	10.46	6.20	2.29	66.37	1.8	2.4	8.9	7.1	13.7	8.6	9.0	9.4	12.9	16.7	10.4	4.8	105.7
Westmoreland	0.60	1.33	8.22	7.77	16.13	6.33	7.44	11.23	7.26	10.58	9.21	2.19	88.29	3.2	4.6	11.3	10.4	21.3	12.2	14.6	15.7	14.7	16.5	14.2	6.3	145.0
The Island ..	2.58	1.47	3.47	2.57	11.09	5.03	5.58	5.72	8.29	8.45	8.37	5.61	68.23	7.7	4.8	7.2	5.0	14.3	9.5	10.2	9.7	12.5	13.5	12.4	9.7	116.5
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