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JAMAICA
WEATHER REPORT

FOR THE MONTH OF JANUARY, 1948

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 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 mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths 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	..	..	65.6	79.6	..	81.5	63.0	18.5	84.5	27*	60.5	5*	24.0	..
Grove Place A.C.		..	..	64.4	76.8	..	81.4	61.2	20.2	85.0	31	55.1	5	29.9	6.8
Hill Gardens	4,900	..	..	58.0	64.6	..	69.0	55.6	13.4	73.2	28	52.3	22	20.9	..
Hope Laboratory	668	..	..	67.0	84.1	..	87.5	65.0	22.5	90.1	9	60.6	6	29.5	7.0
Kingston	..	..	..	71.2	84.9	..	88.3	69.4	18.9	90.4	12	66.6	6	23.8	..
Lorrimers	..	..	..	63.5	..	..	76.0	61.0	15.0	81.0	31	55.0	21	26.0	..
Morant Pt. Light Hs.	8	29.973	29.968	76.8	81.6	77.8	83.3	73.1	10.2	88.0	14	66.0	22	22.0	..
Negril Pt. Light Hs.	33	29.960	29.652	72.2	84.6	77.3	86.0	67.3	18.7	89.0	2*	60.0	23	29.0	..
Orange River Ex. St.	450	..	..	67.9	78.3	..	81.6	65.4	16.2	86.8	24	59.9	2	26.9	6.3
Palisadoes Airport	19	29.973	29.973	74.2	84.6	79.2	86.1	73.2	12.9	90.0	12	70.0	29	20.0	9.2

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	91	76	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	63	92	66	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	57	95	63	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	65	94	69	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	67	88	72	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	62	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	73	89	76	83	75	90	NE	11	S.E.	8	NE	11	6.5	7.0	6.0	6.1	4.4	4.7
Negril Pt. Light H.	68	86	70	61	70	79	E	5	S	8	NE	6	3.0	4.0	4.0	4.8	5.6	5.6
Orange River Ex. St.	67	96	70	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	69	83	72	66	72	76	Calm		SE	8	ESE	9	0.9	2.5	1.5	4.1	1.2	3.1

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

NOTE.—The distribution of Jamaica Monthly Weather Service is being revised and recipients are asked to complete the enclosed postcard and mail it to this office. (Post free in Jamaica). After a few months have elapsed, new lists will be drawn up omitting those who have failed to return the card.

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March 28, 2002

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 entered by convention as having fallen on the previous day.

Stations	January, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	7.36	2.06	14	6	2.90
Blenheim	3.77	.85	15*	8	—
Blue Hole	2.72	.67	17	9	2.69
Cascade	6.20	2.10	14	12	—
Copse	0.25	.25	31	1	2.53
Cousin's Cove	3.84	.91	24	21	2.30
Green Island	4.65	1.29	29	13	2.41
Green River	5.10	1.25	25	10	—
Haughton Court	4.71	2.10	24	10	2.54
Haughton Grove	3.72	1.65	9	9	2.84
Haughton Hall	3.57	.84	17	12	2.10
Hopewell	2.88	.90	16	9	—
Kendal	4.63	1.68	14	6	—
Kingsvale	2.80	.86	25	6	2.74
Lucea	4.25	2.13	25	7	3.06
Retirement (F.D.)	5.65	1.35	14	7	..
Santoy L. S.	3.72	1.00	14	5	..
Shettlewood	1.80	.61	25	6	..
St. James					
Adelphi	3.93	.91	9	11	—
Anchovy	3.00	.83	9	13	2.45
Cambridge	3.12	1.49	25	5	2.68
Catadupa	3.53	1.02	28	9	2.11
Cinnamon Hill	4.12	1.50	9	9	3.17
Cornwall Works	4.24	.92	9	8	—
Friendship	3.40	.61	15	10	3.12
Irwin A. C.	2.88	.88	15	10	3.98
Kempshot	3.89	1.03	9	12	3.51
Lapland	2.97	.87	14	9	—
Latium L. S.	2.88	.53	12*	12	4.41
Maldon	3.22	1.02	15	7	—
Mocho	4.13	1.05	14	8	2.88
Montego Bay	3.01	.84	15	10	2.65
Montpelier	1.57	.60	25	6	1.61
Retirement	3.80	.89	9	8	2.98
Richmond Hill	4.08	2.66	9	5	—
Rose Hall	3.89	1.45	9	9	3.15
Running Gut	4.86	1.69	9	7	3.24
Spring Estate	4.05	1.10	9	8	3.83
Success	3.96	1.46	9	7	2.08
Sweetwater	3.14	1.11	25	7	—
Tryall	3.51	.90	9	6	2.03
Vaughansfield	1.50	1.50	28	1	—
Windsor Lodge	4.37	1.00	27	12	—
Trelawny					
Albert Town	3.01	2.15	14	5	2.79
Arcadia	8.60	2.10	15	11	4.65
Clark's Town	5.47	1.00	15	10	3.18
Deeside	N.A.	..	..	..	—
Duncans	6.03	1.55	15	12	2.64
Falmouth	1.76	.52	14	5	3.13
Garredu	0.95	.40	17	3	—
Harmony Hall	5.48	1.27	16	13	3.80
Hyde and Gibraltar	5.24	1.09	14	11	..
Lichfield	2.03	1.18	14	6	..
Lorrimers	2.43	1.18	14	10	..
Stewart Town	6.26	2.23	14	12	..
Troy	3.32	2.94	14	4	2.00
Troy Land Settlement	2.60	1.94	14	6	..
Ulster Spring	3.19	2.07	14	6	3.26
Vale Royal	7.97	2.03	15	11	4.85
Wait-a-bit	3.89	1.78	14	9	..
Wakefield	1.62	.65	14	6	2.12
Warsop	2.99	2.50	14	4	2.24
St. Ann					
Alexandria	3.55	2.30	14	6	2.65
Armadale	3.37	1.15	14	6	..
Averham Park	12.40	4.70	13	22	6.93
Bel-Air	9.55	3.05	14	14	4.68
Beverley L. S.	11.33	4.36	14	12	..
Brown's Town	8.90	3.44	14	12	5.95
Cave Valley	2.86	1.42	14	8	2.11
Claremont	9.07	3.69	14	13	5.80
Cuffie Ridge	3.92	2.34	31	8	..
Eltham	10.16	2.48	14	11	..
Exchange	3.98	1.15	28	8	..
Greenock	2.82	1.42	14	7	..
Home Castle	15.58	6.35	14	8	5.74
Knapdale	15.54	4.90	14	15	7.55
Liberty Hill	8.00	3.53	14	14	6.10
Moneague	8.51	3.15	14	11	4.79
New Ground A. C.	10.39	2.30	14	13	..
Ocho Rios	10.43	2.26	8	16	4.78
Richmond Estate	9.73	3.45	14	14	5.44
Rio Hoe	12.81	4.50	14	12	5.72
Rockfield	15.19	5.44	14	16	7.63
Runaway Bay	8.03	3.24	14	14	2.66
Rural Retreat	9.34	2.90	13	13	..
St. Ann's Bay	9.36	3.00	14	15	5.15
Stepney	0.00	—	—	0	
Thatchfield L. S.	N.A.				
Unity	8.90	3.24	14	16	4.95
Watt Town	5.76	3.92	14	7	2.53
Wilton	12.61	5.35	14	13	..
St. Mary					
Agualta Vale	13.83	7.10	14	6	6.94
Castleton Gardens	12.88	3.05	16	11	9.30
Dover L. S.	11.05	1.69	10	18	6.95
Enfield	21.56	4.49	8	11	13.20
Fort Stewart	12.29	2.80	14	11	..
Fort Stewart L.S.	27.27	4.98	14	19	..
Gibraltar	8.53	2.70	14	14	..

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

Stations	January, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Golden Grove, East	5.17	1.10	14	12	..
Golden Grove, West	8.60	2.90	14	11	..
Gray's Inn Cent. Facty.	10.15	3.70	14	15	..
Guy's Hill	13.73	2.39	6	11	6.28
Hampstead	11.97	3.00	14	12	9.41
Iter Boreale	9.51	3.00	14	13	..
Jack's River	10.72	2.70	14	16	..
Lady Hole	11.94	2.05	14	13	..
Lower Esher	8.02	2.07	14	10	..
Lucky Hill	12.71	4.08	14	15	7.17
Lucky Hill Pen	10.45	4.15	14	12	..
Newry	9.73	3.00	14	16	..
Nutfield A. C.	7.14	5.56	15	4	..
Oracabessa	6.71	1.15	14	16	6.50
Orange River	10.05	2.43	14	15	..
Platfield	9.62	3.26	8	11	..
Port Maria	7.08	2.09	14	14	5.91
Prospect Estate	8.79	—	—	—	..
Quebec	6.41	1.78	13	10	6.38
Retreat	9.94	2.20	8	20	..
Richmond	11.52	2.50	8	11	7.00
Warwick Castle L. S.	20.49	8.50	9	16	..
Water Valley	11.97	4.00	13	16	7.51
Western St. Mary	15.08	5.10	14	15	..
Windsor Castle	17.20	3.10	8	13	8.21
Portland					
Balcarres	22.98	7.12	16	12	13.58
Belle Vue (Swift R.)	15.43	2.80	16	17	..
Belvedere	19.15	3.70	16	19	10.62
Boundbrook L. S.	13.63	3.40	14	22	..
Bruton Hall	21.10	6.00	16	21	..
Buff Bay	9.69	2.72	16	12	8.97
Bybrook	20.41	4.73	16	16	..
Caenwood	13.98	3.00	16	19	..
Cedar Hurst	10.08	3.90	15	15	7.30
Chepstowe	25.89	6.92	16	17	..
Darley	13.27	4.11	16	21	..
Fellowship	20.05	5.00	16	19	12.16
Fruitful Vale	18.21	5.40	16	15	..
Hope Bay	16.96	3.60	16	17	8.30
Lennox	16.05	3.75	17	20	9.22
Manchioneal	11.12	5.73	14	11	5.58
Mill Bank	26.90	4.00	14	19	19.14
Moore Town	22.23	2.77	11	23	16.83
Mount Holstein	15.14	5.50	16	11	14.65
Mount Pleasant	18.53	3.05	14	15	..
Passley Gardens	14.60	—	—	—	6.74
Plum Valley	20.28	5.26	16	14	..
Port Antonio	12.92	3.42	16	23	8.63
Priestman's River	12.47	4.58	14	17	5.43
Shrewsbury	N.A.				15.95
Spring Garden	10.80	3.55	16	14	8.11
Titchfield School P. A.	N.A.				..
Windsor A. C.	19.50	3.00	16	18	..

Stations	January, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	19.52	5.18	14	14	..
Bath	9.76	3.73	14	15	6.15
Bowden Pen	23.40	6.00	14	19	..
Cedar Valley	6.30	1.90	14	15	3.64
Clifton Hill	10.15	4.17	14	14	..
Coley	5.29	2.45	14	11	3.24
Duckenfield	7.07	1.59	14	15	..
Easington	3.62	1.77	14	15	1.60
East Prospect	7.36	3.14	14	14	3.92
Golden Grove J. S. E.	7.96	2.30	14	19	..
Llandewey	3.62	1.77	14	15	..
Lloyds	1.31	.51	9	3	..
Morant Bay	5.47	3.00	14	10	2.82
Morant Pt. Lighthouse	5.93	1.42	14	13	4.05
Mount Mansfield	10.41	2.35	16	14	..
Plantain Garden River	11.43	2.65	16	18	..
Pleasant Hill	9.02	2.31	14	16	4.73
Rowlandsfield L. S.	11.52	4.10	16	14	..
Seaforth	6.05	3.11	14	12	..
Spanishwood	6.54	1.55	14	16	..
Torre Garda	N.A.				
Wheelerfield	11.98	3.45	14	16	..
Yallahs	3.99	2.29	14	6	1.44
Kingston and St. Andrew					
Bamboo Avenue	2.79	1.70	14	7	..
Brandon Hill	6.55	4.15	16	5	..
Cavaliers	2.31	1.44	14	8	..
Clifton Pen	2.57	2.05	14	7	0.70
Constant Spring	4.18	2.60	14	11	..
Constant Spring (Ch. Rd.	3.44	2.12	14	8	..
Dallas Castle	0.70	.38	11	5	1.15
Fort George	3.80	2.21	15	9	..
Golden Spring	3.50	2.00	14	5	..
Gordon Town	3.03	1.32	14	5	2.90
Grey Weathers	3.80	—	—	—	..
Guava Ridge	4.30	2.23	14	5	2.05
Halfway Tree	2.33	1.80	15	3	0.95
Harbour Head	0.89	.54	14	4	..
Hardware Gap P.W.D.	8.32	2.95	14	10	5.58
Hermitage	4.47	2.28	14	10	1.94
Hill Gardens	7.89	2.35	16	15	6.78
Hope Farm Agr. Stn.	2.79	1.05	14	8	1.70
Hope Laboratory	2.48	1.04	14	9	..
Hope Water Works	2.77	1.05	14	8	..
Irish Town	4.26	2.00	15	3	2.13
Iver	4.27	2.20	14	7	..
King's House Gardens	2.39	1.54	14	7	1.32
Langley	8.28	2.02	14	10	2.60
Lawrence Tavern	5.07	2.22	14	7	2.05
Mavis Bank	2.74	.75	14	10	..
Mount Airy	8.53	2.77	14	8	..
Mount Cressy	11.15	2.80	16	18	..
Mount Salus	N.A.				
Newcastle	5.65	2.10	15	11	..
Penfield Water Works	1.46	.98	16	7	..
Red Hills	2.80	1.91	15	3	1.84
Rose Hill	4.20	1.79	14	7	3.60

N.A.= Not available.

Stations	January, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Seaview Filter Plant	3.94	1.95	14	9	..
Shortwood College	3.46	2.41	13	7	..
Stony Hill	2.11	.63	16	5	2.78
Twickenham Pen	2.00	1.50	14	8	..
Up Park Camp	2.09	1.25	14	6	..
Kingston					
Kingston P. W. O.	3.67	3.67	14	1	0.75
Palisadoes	2.24	1.90	14	8	..
Parade Gardens	1.50	1.40	14	4	..
Plumb Pt. Lighthouse	1.65	1.65	14	1	0.74
St. Georges College	1.67	.97	15	11	..
Upper Kingston	1.66	1.30	14	7	0.66
St. Catherine					
Above Rocks	4.20	1.96	14	7	..
Bellas Gate	3.99	2.30	14	5	1.60
Bog Walk	3.89	2.34	14	4	2.19
Brown's Hall	2.76	1.25	14	9	2.25
Carew Castle	3.83	1.72	14	6	2.49
Ewarton	2.65	.80	15	8	..
Ginger Ridge	5.96	1.09	21	10	..
Glengoffe	7.40	2.95	14	9	..
Grove Farm A. C.	2.04	1.15	14	6	..
Guanaboa Vale	10.17	3.30	21	6	2.27
Headworks	2.65	1.82	14	6	1.66
Hematine	1.96	1.15	14	7	1.04
Hog Hole	3.42	1.72	14	10	1.50
Knollis	3.79	1.30	9	8	1.54
Linstead	2.66	1.48	14	7	2.23
Old Harbour	3.90	1.85	14	10	1.96
Pear Tree Grove	9.57	1.76	17	9	4.96
Point Hill	5.83	1.55	11	8	3.33
Quarantine Station	1.68	1.62	15	2	0.63
Rio Magno	8.92	1.80	14	9	5.03
Riversdale	5.60	1.80	14	10	2.28
Sligoville	3.70	2.12	14	13	2.60
Spanish Town	2.31	1.77	14	5	1.27
Troja	11.22	2.75	16	9	5.01
Troja L. S.	14.34	4.20	14	11	..
Tulloch Estate	3.50	1.80	13	5	..
Twickenham A. C.	2.07	1.45	14	3	..
Worthy Park	4.24	2.44	15	6	2.13
Clarendon					
Amity Hall	3.28	2.35	14	4	..
Beauchamp	2.67	1.86	14	3	..
Belle Plain	2.82	.53	28	9	2.21
Bog	4.39	3.73	14	3	..
Brixton Hill	2.75	1.05	29	4	..
Building	3.25	2.10	14	5	..
Bull Head	4.14	1.95	14	9	..
Carlisle	3.07	1.88	14	5	..
Chapelton	3.11	1.85	14	5	1.97
Colonel's Ridge	3.75	1.95	14	10	..
Cottage	3.42	2.84	14	3	1.27
Cotton Tree Gully	2.35	2.30	14	2	..
Croft's Hill	4.60	2.92	14	6	2.11

Stations	January, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Crooked River	N.A.				1.70
DaCosta	3.05	3.05	14	1	..
Douce Pennants	N.A.				
Exeter	3.45	2.15	14	3	1.81
Frankfield	2.13	.92	28	4	1.92
Gibbons	3.08	2.61	14	3	..
Glen Muir	1.90	1.00	14	4	1.70
Grimmetts	1.45	1.25	14	2	..
Hillside	2.64	2.60	14	2	1.92
James Hill	1.26	1.00	26	4	..
Kellits	3.64	2.45	14	11	..
Knights	3.30	1.85	14	4	..
May Pen	1.91	1.23	14	6	1.45
Milk River	2.15	1.30	14	2	1.73
Morelands	3.59	2.95	14	3	2.03
Peckham L. S.	1.67	.68	13	6	..
Pennants	3.16	1.56	14	6	..
Pusey Hall	3.15	2.15	14	4	..
Rock River	3.06	1.40	14	5	1.48
Salt Savannah	2.38	1.33	14	4	..
Silent Hill	2.90	2.50	31	4	..
Spaldings	4.04	1.50	31	11	2.71
Springfield	2.75	1.65	14	2	2.20
Suttons, J. G. R.	4.63	2.01	14	4	1.93
Suttons, W. I. S. Coy.	2.98	1.84	14	3	..
Teak Pen L. S.	2.61	0.96	14	10	..
Thompson Town	3.29	1.14	14	10	..
Trout Hall	2.51	1.01	28	5	1.52
Tweedside	2.67	1.62	31	4	..
Manchester					
Alligator Pond	1.77	1.35	14	3	1.39
Christiana	4.32	1.97	31	12	2.31
Chudleigh	3.50	1.50	31	12	2.39
Cocoawalk L. S.	2.15	.87	14	4	..
Craig Head	3.66	2.88	14	4	..
Downs	0.00	—	—	0	..
Garlogic	4.85	1.40	9	10	..
Greenvale	3.00	1.50	31	6	1.89
Grove Place	3.16	1.17	31	9	..
Holmwood	3.92	1.74	31	12	..
Hope	2.75	1.21	14	16	..
Kendal	3.16	.96	9	6	2.27
Mandeville	2.90	1.10	31	6	3.08
Mandeville, Manchester Hotel	3.23	1.16	31	9	..
Mile Gully	4.79	2.20	31	4	..
New Forest	1.12	.46	31	4	..
Newport	2.73	.64	14	7	2.71
Porus	3.58	1.60	12	5	..
Retrieve	3.99	1.00	14	8	1.51
Stones Hope	2.76	.58	14	9	2.48
Williamsfield	3.69	2.25	31	6	2.70
St. Elizabeth					
Aberdeen	2.22	.53	28	6	..
Accompong	1.86	.60	2	9	..
Appleton	0.84	.31	14*	6	2.56
Balaclava	3.01	1.30	14	7	1.82
Bartons	0.95	.40	14	4	..
Black River	2.48	.86	6	6	1.69

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

Stations	January, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Elizabeth, *contd.*	ins.	ins.			ins.
Brae's River	1.73	1.18	14	6	..
Bull Savannah	1.19	.75	14	2	..
Elderslie	4.80	1.05	12	9	..
Fort Charles	2.19	1.24	10	4	1.47
Ginger Hill	2.61	.65	9	7	..
Holland Estate	3.65	1.15	10	7	..
Hounslow	4.97	1.10	7	7	..
Ipswich	1.34	.58	25	5	..
Lacovia	1.27	.48	31	3	1.97
Maggotty	0.91	.24	14	7	2.73
Malvern	4.61	1.30	10	10	..
Middle Quarters	0.46	.46	31	1	..
Mount Charles	2.59	1.15	8	11	..
Mulgrave	1.52	.35	13	9	..
Munro	3.44	1.70	31	15	2.23
Myersville	2.59	1.10	31	5	..
Pedro Plains	2.23	1.25	31	3	1.64
Quickstep	1.06	.40	23	4	..
Santa Cruz	1.60	.80	14	6	2.48
Southfield	4.77	1.35	10	10	..
Springfield	3.10	.81	27	6	..
Springvale	N.A.				
Torrington	4.64	1.12	7	7	2.44
Treasure Beach	N.A.				
Williamsfield	4.15	1.25	10	11	..
Windsor	3.58	1.28	10	12	2.93
Yardley Chase	2.11	1.15	14	4	..
Westmoreland					
Barham	2.99	1.02	13	6	..
Bath Pen	N.A.				
Baulk	3.20	1.37	25	10	..
Belle Isle	6.71	2.00	10	12	1.91

Stations	January, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland, *contd.*	ins.	ins.			ins.
Bethel Town	3.58	.96	31	9	2.95
Blue Castle	4.44	1.53	10	9	..
Blue Fields	4.22	2.10	10	8	2.92
Cornwall	3.95	1.38	9	7	..
Darliston	3.84	1.30	14	8	3.09
Fontabelle	5.20	1.59	10	10	2.11
Friendship	3.92	1.70	25	8	..
Frome	4.57	1.41	25	10	..
Grange Hill	5.06	2.70	25	9	2.65
Kew Park	2.54	1.14	31	7	2.22
Lamb's River	3.87	1.30	9	9	..
Little London	6.98	2.12	9	9	1.94
Masemure	6.15	1.57	25	11	..
Meylersfield	5.47	1.65	20	10	..
Midgham	7.41	2.70	25	11	..
Mint	5.01	2.35	25	12	..
Mount Eagle	6.50	3.10	25	11	..
Mount Edgecombe	2.37	.65	25	12	2.18
Negril Pt. Lighthouse	5.95	1.46	14	7	1.78
New Market	1.11	.56	27	4	2.71
Paul Island	4.30	1.00	20	9	..
Petersfield	5.62	1.50	10	7	..
Petersville	5.15	1.10	3	8	2.54
Prospect	5.01	2.20	25	8	..
Rat Trap	4.00	1.60	10	4	..
Retreat Estate	5.15	1.60	14	8	1.89
Retrieve	5.12	1.30	20	10	..
Savla-la-Mar	6.82	2.60	9	8	1.72
Sheffield	10.41	2.71	25	13	..
Shrewsbury	4.40	1.82	10	9	..
The Bog	4.38	1.22	10	8	2.92
Water Works Farm	4.40	1.70	10	12	2.47
Welch Pole	3.60	1.10	9	10	..
Whithorn	4.12	1.97	10	6	2.65
Williamsfield	4.67	1.25	25	11	..

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 ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "Key" station is to find the average of all the rainguages 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.

Comparative Table of Rainfall Means—January, 1948

Parish	Rainfall for January, 1948			Total Rainfall, 1947	
	Actual	Average	Raindays	Actual	Average
Hanover	4.02	2.95	8.3	75.17	81.19
St. James	3.33	2.39	8.2	66.55	65.01
Trelawny	3.72	2.94	7.5	54.15	65.15
St. Ann	8.79	4.40	11.1	45.96	64.54
St. Mary	11.62	6.17	12.8	46.34	84.27
Portland	16.97	10.26	17.0	96.54	145.40
St. Thomas	8.56	3.56	13.5	70.35	83.69
Kingston and St. Andrew	3.52	2.12	6.7	51.23	69.10
Kingston	0.68	.76	1.7	26.97	31.86
St. Catherine	4.37	2.36	7.3	47.94	64.87
Clarendon	2.83	1.88	5.7	48.05	64.50
Manchester	2.89	2.48	6.0	54.54	73.02
St. Elizabeth	2.52	2.06	6.9	68.60	69.91
Westmoreland	4.78	2.46	8.7	81.13	88.42
The Island	(a) 6.01 (b)	3.34 "70-Yr." Av. 3.87	9.2 "45-Yr." Av. 8.2	62.11	75.07 "70-Yr." Av. 77.12

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

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

The January Rainfall

The whole Island received falls well above the average. St. Thomas had the highest percentage above normal with two and a half times its usual fall whilst Manchester was the lowest with 116%. St. Mary, St. Ann, St. Catherine and Westmoreland all had about twice their normal rainfall.

The month's greatest fall were experienced at Fort Stewart Land Settlement, St. Mary, (27.27 ins.); and Millbank (26.90 ins.) and Chepstowe (25.59 ins.) in Portland; whilst nine other stations reported falls of over 20 inches. In addition to these, twenty-four stations reported falls between 15 and 20 inches.

The greatest daily fall of the month was at Warwick Castle Land Settlement where 8.50 ins. fell on the 9th but seven other stations reported daily falls of over 6 ins. whilst 16 stations reported daily falls between 5 ins. and 6 ins.

Stepney (St. Ann) and Downs (Manchester) were the only stations to return no measurable rain.

Sunshine—January, 1948

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

Period	Grove Place	Hope Laboratory	Orange River	Palisadoes
6–7 a.m.	.01	.01	.12	.19
7–8 "	.68	.55	.54	.83
8–9 "	.81	.87	.67	.90
9–10 "	.82	.89	.72	.93
10–11 "	.89	.86	.74	.90
11–12	.86	.76	.70	.95
12–1 p.m.	.72	.83	.76	.91
1–2 "	.63	.72	.69	.86
2–3 "	.49	.67	.60	.88
3–4 "	.51	.66	.47	.86
4–5 "	.36	.17	.30	.73
5–6 "	.05	.02	.03	.21
Total	6.83	7.01	6.34	9.15
Percentage	69	63	57	82
No. of days over 10 hours	1	0	0	10
Cloudiest day	14th (.5 hrs.)	14th (2.4 hrs.)	16th (.2 hrs.)	14th (2.4 hrs.)

The recorder at Hope Laboratory is screened from the setting sun at this time of the year and the figures for the hour 5 to 6 p.m. therefore not representative.

It will be noted that Orange River again shows a maximum of sunshine from 12–1 p.m. although less pronounced than in 1947.

Evaporation

Hope Laboratory	3.09 inches
Negril Point Lighthouse	5.63 inches

Earthquakes

Nil.

Northers

Seasonal bursts of cold air from the north failed to penetrate to Jamaica and there were thus no northers.

City of Kingston

The Kingston Mean Temperature (Maxwell Hall formula) was 78.0°F which is for the second January in succession well above the 33-year average of 75.8°F, this again being due to the failure of outburts of cold air from North America to penetrate as far south as this Island.

The Mean Maximum and Minimum temperatures were both 2° above the 33-year means, whilst on six occasions the maximum temperature exceeded 90°F.

Lightning was seen from Palisadoes on three days whilst during a thunderstorm on the evening of the 14th almost 2 inches of rain fell at Palisadoes and 1 inch at Winchester Park.

The Relative Humidity was slightly higher than normal.

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No. 859

JAMAICA
WEATHER REPORT
FOR THE MONTH OF
FEBRUARY, 1948

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 50 and Mean Sea Level.

The thermometers are exposed in 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 mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths 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. Palisadoes averages are for 4 a.m. 10 a.m. and 4 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	..	..	65.4	80.9	..	82.6	62.2	20.4	85.4	10*	59.5	22	25.9	..
Grove Place A.C.	1,600	..	..	63.1	78.0	..	82.5	58.5	24.0	86.0	23	52.1	23	33.9	8.2
Hill Gardens	4,900	..	..	56.4	65.9	..	69.7	53.9	15.8	74.2	11*	50.5	22*	23.7	..
Hope Laboratory	668	..	..	60.4	85.5	..	88.8	64.2	24.6	91.8	10*	58.4	21	33.4	7.9
Kingston	..	..	..	71.4	85.7	..	88.9	68.9	20.0	92.0	15*	65.0	23	27.0	..
Lorrimers	..	..	..	64.6	..	..	77.0	59.8	17.2	84.0	4	52.0	20	32.0	..
Morant Pt. Light Hs.	8	30.009	30.016	76.8	81.6	78.0	83.1	73.0	10.1	86.0	17	69.0	2	17.0	..
Negril Pt. Light Hs.	33	30.001	29.990	71.7	84.4	77.8	86.3	67.2	19.1	89.0	13*	64.0	22	25.0	..
Orange River Ex. St.	450	..	..	68.0	78.6	..	82.0	65.0	17.0	85.0	1*	56.9	23	28.1	8.6
Palisadoes Airport	19	30.017	30.000	73.8	84.4	80.0	85.6	72.9	12.7	91.0	15	70.0	16*	21.0	9.3

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	90	77	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	61	91	64	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	51	85	60	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	64	92	67	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	64	76	70	59	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	63	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	74	91	79	83	74	87	E	11	N.E.	9	NE	11	5.5	5.6	5.2	5.6	2.9	3.0
Negril Pt. Light H.	66	83	70	63	69	70	E	5	S	8	NE	5	1.2	1.3	4.2	5.0	5.1	5.2
Orange River Ex. St.	65	95	69	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	68	84	72	69	71	74	NNW	3	SE	14	ESE	12	1.3	1.9	1.6	2.5	1.1	1.9

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

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

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their 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.

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

Stations	February, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	2.53	.90	12	4	3.20
Blenheim	2.07	1.69	8	4	..
Blue Hole	0.07	.07	1	1	2.97
Cascade	0.69	.33	8	4	..
Copse	N.A.	..	..	..	2.18
Cousin's Cove	1.58	1.37	8	4	2.42
Green Island	1.30	.48	11	4	2.24
Green River	0.75	.30	7	4	..
Haughton Court	0.05	.05	8	1	2.10
Haughton Grove	0.80	.35	11	3	3.02
Haughton Hall	1.00	.40	11	6	2.17
Hopewell	0.23	.15	1	2	..
Kendal	1.21	.33	8	4	..
Kingsvale	1.86	.60	11	6	2.49
Lucea	0.31	.31	26	1	2.22
Retirement (F.D.)	2.99	1.20	11	6	..
Santoy L. S.	1.94	.69	27	5	..
Shettlewood	0.46	.18	28	4	..
St. James					
Adelphi	0.00	..	..	0	..
Anchovy	0.94	.23	3	7	1.37
Cambridge	0.30	.30	26	1	2.98
Catadupa	0.38	.27	11	3	3.23
Cinnamon Hill	1.14	.65	26	3	2.37
Cornwall Works	0.86	.38	26	3	..
Friendship	0.16	.10	26	2	2.52
Irwin A. C.	0.27	.11	11	4	1.45
Kempshot	0.72	.21	16	8	2.75
Lapland	0.37	.34	11	2	..
Latium L. S.	0.32	.32	15	1	2.43
Maldon	1.09	.81	11	3	..
Mocho	0.70	.70	11	1	3.34
Montego Bay	0.40	.40	11	1	1.82
Montpelier	0.11	.08	11	2	1.95
Retirement	0.17	.17	16	1	2.19
Richmond Hill	0.55	.35	11	2	..
Rose Hall	1.36	.76	26	4	2.26
Running Gut	1.41	.71	26	3	2.07
Spring Estate	0.79	.42	5	2	2.41
Success	1.10	.68	26	3	2.13
Sweetwater	0.46	.38	11	2	..
Tryall	0.49	.30	26	3	1.57
Vaughansfield	0.76	.61	11	2	..
Windsor Lodge	0.32	.12	16	5	..
Trelawny					
Albert Town	0.50	.30	16	3	2.92
Arcadia	1.43	1.18	26	3	2.51
Clark's Town	1.06	.60	26	3	2.41
Duncans	1.79	.74	26	7	1.66
Falmouth	0.49	.18	25	5	1.85
Garredu	1.00	.60	28	2	..
Harmony Hall	1.15	.45	26	7	2.30
Hyde and Gibraltar	1.67	.52	15*	5	..
Lichfield	0.11	.11	26	1	..
Lorrimers	0.32	.17	11	3	..
Stewart Town	1.27	.40	15	8	..
Troy	0.30	.20	26	2	3.22
Troy Land Settlement	0.20	.08	27	3	..
Ulster Spring	0.57	.50	16	2	3.31
Vale Royal	1.22	.82	26	3	2.50
Wait-a-bit	0.52	.23	26	4	..
Wakefield	0.90	.74	26	2	2.25
Warsop	0.00	..	..	0	3.09
St. Ann					
Alexandria	0.10	.10	15	1	2.38
Armadale	0.64	.64	16	1	..
Averham Park	5.13	2.00	15	16	4.43
Bel-Air	1.60	.45	17	9	2.79
Beverley L. S.	2.55	1.32	17	9	..
Brown's Town	1.25	.53	15	7	4.13
Cave Valley	0.59	.33	26	3	2.05
Claremont	2.62	1.10	15	7	4.01
Cuffie Ridge	0.52	.24	11	4	..
Eltham	2.08	.45	16	6	..
Exchange	0.73	.48	26	4	..
Greenock	0.59	.33	26	3	..
Home Castle	0.99	.44	16	3	3.19
Knapdale	2.28	.55	15*	9	4.57
Liberty Hill	2.05	.57	26	9	4.07
Moneague	2.22	.50	15	8	3.89
New Ground A. C.	2.64	.67	26	7	..
Ocho Rios	2.91	.73	16	7	3.55
Richmond Estate	1.92	.83	17	8	3.80
Rio Hoe	3.08	.55	26	17	3.87
Rockfield	3.79	.75	15	16	5.06
Runaway Bay	0.91	.30	10	4	2.03
Rural Retreat	2.28	1.05	16	5	..
St. Ann's Bay	1.64	.50	17	11	4.40
Stepney	1.41	1.41	26	1	..
Thatchfield L. S.	3.44	1.21	15	3	..
Unity	2.36	.71	26	10	3.56
Watt Town	0.45	.25	15	3	2.18
Wilton	0.72	.18	26	6	..
St. Mary					
Agualta Vale	1.72	.52	10	4	5.09
Bundo L.S.	N.A.	..	..	..	..
Castleton Gardens	2.53	.80	15	5	5.49
Devon Pen L.S.	4.83	1.21	5	9	..
Dover A. C.	3.70	.84	16	12	5.30
Enfield	4.84	1.70	26	7	7.80
Fort Stewart	3.73	.80	25	9	..

Stations	February, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins
St. Mary, *contd.*					
Fort Stewart L.S.	6.23	2.45	19	9	..
Gibraltar	2.47	.40	10*	8	..
Golden Grove, East.	2.50	.50	16	10	..
Golden Grove, West.	2.24	.55	16	9	..
Gray's Inn Cent. Facty.	2.94	.64	16	11	..
Guy's Hill	3.29	.90	25	8	4.42
Hampstead	3.98	2.00	25	5	6.15
Iter Boreale	2.93	.72	16	10	..
Jack's River	3.63	.63	8	16	..
Lady Hole	2.76	.85	16	7	..
Lower Esher	3.31	.67	11	8	..
Lucky Hill	4.22	.86	15	11	4.98
Lucky Hill Pen	3.76	1.06	15	8	..
Newry	2.02	.79	11	8	..
Nutfield A. C.	N.A.	..	..	..	..
Oracabessa	2.48	.80	7	10	4.38
Orange River	2.71	.58	5	14	..
Platfield	3.11	1.38	9	7	..
Port Maria	3.12	.57	25	12	4.81
Prospect Estate	2.05	..	..	..	..
Quebec	4.61	1.61	15	12	4.33
Retreat	3.01	.50	17	14	..
Richmond	3.10	1.05	25	10	4.59
Warwick Castle L. S.	3.72	1.40	15	11	..
Water Valley	2.72	.65	5*	8	4.93
Western St. Mary	4.14	.90	26	11	..
Windsor Castle	3.60	1.04	26	8	5.87
Portland					
Balcarres	6.40	1.75	25	10	10.40
Belle Vue (Swift R.)	4.87	1.15	25	11	..
Belvedere	7.53	1.58	25	15	8.39
Boundbrook L. S.	3.80	1.40	25	11	..
Bruton Hall	4.48	.54	15	21	..
Buff Bay	3.60	1.41	16	4	7.13
Bybrook	5.42	1.68	5	11	..
Caenwood	2.13	1.00	25	10	..
Cedar Hurst	1.22	.30	26	10	5.91
Chepstowe	8.50	2.63	27	10	..
Darley	5.03	2.00	25	19	..
Fellowship	4.45	1.20	25	11	9.46
Fruitful Vale	6.22	3.30	25	8	..
Hope Bay	3.04	1.08	25	9	5.40
Lennox	4.35	.85	16	9	6.88
Manchioneal	1.18	.97	26	3	4.83
Mill Bank	6.96	1.42	26	15	12.23
Moore Town	5.59	.79	5	16	12.65
Mount Holstein	3.75	.60	15	9	8.49
Mount Pleasant	4.68	1.57	26	10	..
Passley Gardens	4.90	..	..	..	4.90
Plum Valley	4.84	1.48	5	8	..
Port Antonio	3.64	1.14	25	11	5.80
Priestman's River	3.55	1.23	18	11	4.19
Shrewsbury	N.A.	..	..	..	10.42
Spring Garden	3.77	1.00	16	10	5.73
Titchfield School P. A.	N.A.	..	..	..	..
Windsor	3.88	0.58	11	10	..

Stations	February, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	5.10	2.45	27	6	..
Bath	1.46	.53	6	8	4.38
Bowden Pen	7.78	1.73	26	11	..
Cedar Valley	0.80	.25	26	7	2.58
Clifton Hill	1.65	.44	26	8	..
Coley	0.48	.12	11*	5	2.33
Duckenfield	2.04	1.10	26	11	..
Easington	0.43	.18	7	5	1.28
East Prospect	1.26	.43	6	8	2.29
Golden Grove J. S. E.	2.42	1.00	26	13	..
Llandewey	0.43	.18	7	5	..
Lloyds	0.42	.32	16	2	..
Morant Bay	0.60	.28	6	5	1.82
Morant Pt. Lighthouse	2.89	1.95	26	8	2.74
Mount Mansfield	2.12	.80	17	4	..
Plantain Garden River	2.99	.80	26	14	..
Pleasant Hill	1.61	.85	26	8	2.60
Rowlandsfield L. S.	4.46	1.57	26	9	..
Seaforth	0.71	.21	26	6	..
Spanishwood	2.54	1.55	26	14	..
Torre Garda	N.A.	..	..	..	..
Wheelerfield	2.60	1.07	25	12	..
Yallahs	0.58	.24	7*	3	1.21
Kingston and St. Andrew					
Bamboo Avenue	0.50	.38	5	4	..
Brandon Hill	0.00	..	..	0	..
Cavaliers	0.27	.26	17	2	..
Clifton Pen	0.38	.36	17	2	0.79
Constant Spring	0.18	.10	26	3	..
Constant Spring, Ch. Rd.	0.10	.10	27	1	..
Dallas Castle	0.00	..	..	0	2.27
Fort George	0.16	.12	26	2	..
Golden Spring	0.85	.50	27	2	..
Gordon Town	0.00	..	..	0	1.83
Grey Weathers	0.16	..	..	..	..
Guava Ridge	0.00	..	..	0	2.11
Halfway Tree	0.00	..	..	0	0.96
Harbour Head	0.00	..	..	0	..
Hardware Gap P.W.D.	0.70	.52	26	4	4.23
Hermitage	0.47	.30	26	2	2.82
Hill Gardens	1.10	.39	26	9	4.22
Hope Farm Agr. Stn.	0.00	..	..	0	1.30
Hope Laboratory	0.23	.16	5	4	..
Hope Water Works	0.00	..	..	0	..
Irish Town	0.30	.30	26	1	1.83
Iver	0.41	.17	1*	3	..
King's House Gardens	0.17	.09	6	2	1.25
Langley	1.09	.25	17	7	..
Lawrence Tavern	0.33	.20	24	2	2.48
Mavis Bank	0.30	.17	26	3	2.11
Mount Airy	1.10	1.10	25	1	..
Mount Cressy	2.30	.47	25	11	..
Mount Saluse	N.A.	..	..	..	..
Newcastle	0.60	.31	27	8	..
Penfield Water Works	0.13	.13	25	1	..
Red Hills	0.41	.17	26	3	2.19
Rose Hill	0.84	.67	26	4	3.97

Stations	February, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Seaview Filter Plant	0.21	.15	26	3	..
Shortwood College	0.14	.09	26	3	..
Stony Hill	0.26	.14	26	2	2.30
Twickenham Pen	0.51	.51	5	1	..
Up Park Camp	0.08	.08	17	1	..
Kingston					
Kingston P. W. O.	0.00	..	..	0	0.53
Palisadoes	0.02	.01	11*	2	..
Parade Gardens	0.00	..	..	0	..
Plumb Pt. Lighthouse	0.00	..	..	0	0.62
St. Georges College	0.00	..	..	0	..
Upper Kingston	0.00	..	..	0	0.83
St. Catherine					
Above Rocks	0.53	.34	26	3	..
Bellas Gate	0.52	.45	9	2	1.70
Bog Walk	0.50	.50	27	1	1.68
Brown's Hall	1.22	.63	9	6	2.18
Carew Castle	0.72	.27	15	5	2.14
Ewarton	0.75	.25	25	4	..
Ginger Ridge	0.87	.30	11	7	..
Glengoffe	0.71	.34	6	3	..
Grove Farm A. C.	0.41	.28	5	3	..
Guanaboa Vale	0.25	.25	5	1	2.42
Headworks	0.21	.16	6	2	1.62
Hematine	0.36	.36	5	1	1.46
Hog Hole	0.13	.13	6	1	1.80
Knollis	0.80	.60	27	3	1.67
Linstead	1.57	.60	6	5	2.16
Old Harbour	0.89	.39	6	4	1.93
Pear Tree Grove	2.35	1.12	25	4	3.94
Point Hill	1.62	.62	11	6	3.20
Quarantine Station	0.00	..	..	0	0.53
Rio Magno	1.82	.80	26	4	3.05
Riversdale	1.65	.50	6	5	2.18
Sligoville	0.63	.28	26	5	2.53
Spanish Town	0.10	.10	5	1	1.36
Troja	2.33	.75	16	6	4.05
Troja L. S.	2.63	1.00	25	4	..
Tulloch Estate	0.59	.18	11	4	..
Twickenham A. C.	0.00	..	..	0	..
Worthy Park	0.73	.26	7	4	1.89
Clarendon					
Amity Hall	0.28	.28	8	1	..
Beauchamp	0.19	.10	8	2	..
Belle Plain	1.62	.92	17	5	2.57
Bog	0.22	.22	18	1	..
Brixton Hill	0.50	.50	6	1	..
Building	0.95	.70	18	2	..
Bull Head	0.76	.30	6	4	..
Carlisle	0.27	.19	8	2	..
Chapelton	0.55	.18	11	6	1.68
Colonel's Ridge	0.28	.10	27	4	..
Cottage	0.11	.11	8	1	1.97
Cotton Tree Gully	0.30	.20	18	2	..
Croft's Hill	0.69	.25	11	4	1.92

Stations	February, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Crooked River	N.A.	..	..	..	2.18
DaCosta	0.30	.30	9	1	..
Douce Pennants	N.A.	..	..	..	..
Exeter	1.05	.90	18	2	1.13
Frankfield	0.76	.23	27	5	2.56
Gibbons	0.55	.55	18	1	..
Glen Muir	1.70	.50	17*	4	1.34
Grimmetts	1.61	.61	17	4	..
Hillside	0.18	.09	8*	2	1.72
James Hill	0.89	.40	11	5	..
Kellits	0.67	.20	15	6	..
Knights	0.00	..	..	0	..
May Pen	0.32	.20	6	2	1.80
Milk River	0.73	.58	18	2	1.39
Morelands	0.00	..	..	0	1.82
Peckham L. S.	0.65	.25	26	7	..
Pennants	0.87	.17	7	9	..
Pusey Hall	0.70	.40	18	3	..
Rock River	0.00	..	..	0	1.69
Salt Savannah	0.20	.20	6	1	..
Silent Hill	0.20	.20	11	1	..
Spaldings	1.50	1.50	17	1	3.39
Springfield	1.75	1.00	18	4	1.53
Suttons, J. G. R.	1.15	.95	17	2	2.73
Suttons, W. I. S. Coy.	0.75	.60	18	2	..
Teak Pen L. S.	1.26	.90	17	3	..
Thompson Town	1.72	.44	16	7	..
Trout Hall	0.30	.26	29	2	1.70
Tweedside	0.24	.12	7*	2	..
Manchester					
Alligator Pond	0.27	.27	17	1	1.40
Christiana	0.49	.18	11	4	2.80
Chudleigh	1.20	.31	10	5	3.10
Cocoawalk L. S.	1.56	1.35	18	2	..
Craig Head	0.00	..	..	0	..
Downs	1.70	1.15	10	2	..
Garlogie	0.96	.40	7	5	..
Greenvale	2.90	.90	16	9	3.26
Grove Place	1.34	.53	17	5	..
Holmwood	1.45	.70	17	7	..
Hope	3.80	2.56	18	11	..
Kendal	0.36	.36	18	1	2.78
Mandeville	0.77	.43	18	4	2.82
Mandeville, (Manchester Hotel)	1.36	.85	18	5	..
Mile Gully	0.96	.38	16*	3	..
New Forest	1.30	1.25	19	2	..
Newport	1.51	.76	18	6	2.71
Porus	0.50	.38	7	2	..
Retrieve	3.23	1.63	17	6	1.74
Stones Hope	1.33	.33	26	10	2.32
Williamsfield	0.50	.22	7	4	3.84
St. Elizabeth					
Aberdeen	0.95	.58	17	5	..
Accompong	2.29	.50	27	10	..
Appleton	0.25	.19	17	2	2.77
Balaclava	1.02	.92	18	2	2.86
Bartons	0.25	.25	14	1	..
Black River	0.82	.82	6	1	1.73

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

Stations	February, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Elizabeth, *contd.*	ins.	ins.			ins.
Braes River	0.70	.35	18	3	..
Bull Savannah	1.01	1.01	18	1	..
Elderslie	1.73	.62	19	6	..
Fort Charles	0.00	..	..	0	1.69
Ginger Hill	1.32	.40	16	4	..
Holland Estate	0.89	.55	18	3	..
Hounslow	0.73	.48	5	2	..
Ipswich	2.37	1.53	17	3	..
Lacovia	1.05	.85	18	2	3.91
Maggotty	1.20	.54	17	4	3.55
Malvern	3.09	1.98	18	5	..
Middle Quarters	0.49	.35	6	3	..
Mount Charles	1.19	.45	17	5	..
Mulgrave	2.46	1.90	17	2	..
Munro	2.01	1.20	18	11	2.12
Myersville	1.68	1.08	18	4	..
Pedro Plains	0.53	.42	18	4	1.38
Quickstep	0.60	.45	26	2	..
Santa Cruz	0.25	.25	26	1	2.77
Southfield	0.45	.30	7	2	..
Springfield	0.80	.40	27	3	..
Springvale	3.70	1.10	17	4	..
Torrington	1.45	1.45	18	1	2.46
Treasure Beach	N.A.	..	..	..	..
Williamsfield	0.65	.29	5	4	..
Windsor	3.30	2.11	18	9	3.39
Yardley Chase	N.A.	..	..	..	..
Westmoreland					
Barham	0.52	.32	27	3	..
Baulk	0.59	.30	11	2	..
Belle Isle	0.73	.57	27	3	2.37

Stations	February, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland, *contd.*	ins.	ins.			ins.
Bethel Town	0.71	.71	11	1	3.90
Blue Castle	0.20	.15	11	2	..
Blue Fields	0.95	.82	16	3	3.59
Cornwall	0.22	.12	11	2	..
Darliston	0.85	.45	27	2	3.80
Fontabelle	0.15	.08	11	2	2.55
Friendship	0.38	.24	11	2	..
Frome	0.35	.25	27	3	..
Grange Hill	0.55	.20	11	3	2.91
Kew Park	0.55	.50	10	2	2.86
Lamb's River	0.70	.50	11	2	..
Little London	0.52	.30	27	3	2.81
Masemure	0.73	.41	27	3	..
Meylersfield	0.15	.07	27	3	..
Midgham	0.47	.30	11	2	..
Mint	0.71	.41	27	4	..
Mount Eagle	0.81	.32	27	4	..
Mount Edgecombe	2.40	1.02	17	12	2.47
Negril Pt. Lighthouse	0.57	.32	27	6	1.77
New Market	0.63	.45	5	2	3.84
Paul Island	0.52	.30	11	2	..
Petersfield	0.00	..	..	0	2.99
Petersville	1.62	.70	17	3	..
Prospect	1.26	.50	27	3	..
Rat Trap	2.40	1.40	31	3	..
Retreat Estate	0.83	.68	27	2	2.51
Retrieve	0.60	.35	27	2	..
Sav.-la-Mar	0.50	.40	28	3	2.15
Sheffield	1.26	.80	27	3	..
Shrewsbury	0.30	.25	11	2	..
The Bog	1.98	.98	16	5	4.05
Water Works Farm	0.65	.55	27	2	3.23
Welch Pole	1.10	.60	11	3	..
Whithorn	0.00	..	..	0	2.95
Williamsfield	1.05	.80	11	2	..

*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 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 2 months of 1948 is also compared with the averages.

Comparative Table of Rainfall Means—February, 1948

Parish	Rainfall for February			Rainfall, Jan.–Feb.	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	1.05	2.29	3.4	5.07	5.24
St. James	0.54	2.36	2.7	3.87	4.75
Trelawny	0.86	2.79	3.6	4.58	5.73
St. Ann	1.84	3.57	6.7	10.63	7.97
St. Mary	3.42	4.73	9.3	15.04	10.90
Portland	4.39	8.14	10.8	21.36	18.40
St. Thomas	2.09	2.67	7.5	10.65	6.23
Kingston and St. Andrew	0.33	2.71	2.0	3.85	4.83
*Kingston	0.00	0.70	0	0.68	1.46
St. Catherine	0.78	2.42	3.3	5.15	4.78
Clarendon	0.81	2.37	3.5	3.64	4.25
Manchester	1.28	3.08	3.8	4.17	5.56
St. Elizabeth	1.12	3.03	3.4	3.64	5.09
Westmoreland	0.86	2.92	2.9	5.64	5.38
The Island	1.47	3.13 "70-Year"† 3.21	4.8 "45-Year"	7.48	6.47 "70-Year" 7.21

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

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

The February Rainfall

This is normally a dry month but in 1948 rainfall figures even failed to reach the normal, ranging from 78% in St. Thomas to only 12% in Kingston and St. Andrew with a mean figure for the Island of only 47%. Thus February deficiencies almost balanced January excesses.

Portland was as usual the wettest parish with St. Mary and St. Thomas second and third respectively. Ten stations reported falls of over five inches during the month whilst twenty three stations failed to receive any measurable rain. The greatest monthly fall was at Chepstowe, Portland with 8.50 inches whilst Bowden Pen followed closely behind with 7.78 inches.

The greatest daily fall was at Fruitful Vale, Portland where 3.30 inches fell on the 25th, Chepstowe was second with 2.63 on 27th, whilst five other stations reported daily falls of over two inches.

Sunshine—February 1948

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

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.08	.26	.18	.29
7–8 "	.85	.90	.76	.93
8–9 "	.92	.93	.81	.97
9–10 "	.95	.83	.81	.87
10–11 "	.89	.77	.92	.93
11–12 noon	.90	.80	.88	.92
12–1 p.m.	.79	.87	.93	.93
1–2 "	.75	.80	.87	.89
2–3 "	.71	.70	.78	.85
3–4 "	.61	.59	.79	.74
4–5 "	.58	.46	.71	.71
5–6 "	.13	.003	.20	.27
Total	8.16	7.91	8.64	9.30
Percentage	71%	63%	75%	80%
No. of days over 10 hours	6	2	4	12
Cloudiest day	26th (2.6 hrs.)	26th (0.5 hrs.)	26th (0.3 hrs.)	26th (2.0 hrs.)

Sunshine totals this February were much higher than last year, which was to be expected in view of the very low rainfall.

Earthquakes

No reports of earthquakes were received during the month.

Northers

For the second winter month in succession, there were no Northers in Jamaica.

City of Kingston

No measurable rain fell in the city during the month although on three days a trace was recorded.

The mean temperature of 71.4° F was over 4° higher than the 33-year normal whilst the mean maximum temperature 88.9° F which was also 4° higher than the normal was the highest for the last 10 years at least. On the other hand the mean minimum temperature was only 1.5° higher than the normal. The mercury rose to over 90° on eight occasions, chiefly during the warm spell from 8th to 16th, but cool nights set in on 21st and persisted to the end of the month.

As to be expected in such a dry month the relative humidity was lower than normal.

At Palisadoes the wind was gusty between 12th and 16th and whilst no measurable rain fell there, showers were observed over the mountains on 6th, 12th, 26th and at sea on 11th. Lightning was seen to the east on 19th.

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JAMAICA
WEATHER REPORT

FOR THE MONTH OF
MARCH, 1948

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 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 mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths 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. Palisadoes averages are for 4 a.m. 10 a.m. and 4 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	..	..	64.3	82.0	..	84.2	61.4	22.8	88.2	31	58.9	3	29.3	..
Grove Place A.C.	..	..	..	64.9	79.9	..	84.1	61.0	23.1	87.4	13	55.0	7	32.4	8.8
Hill Gardens	4,900	..	..	57.2	67.2	..	71.0	55.0	16.0	77.2	11	52.3	2*	24.9	..
Hope Laboratory	668	..	..	68.5	87.5	..	90.6	64.9	25.7	93.7	3	60.6	19	33.1	8.5
Kingston	..	..	..	73.1	86.1	..	89.3	69.7	19.6	92.4	18	67.0	19	25.4	..
Lorrimers	..	..	..	64.4	..	..	79.0	60.0	19.0	84.0	25	55.0	26	29.0	..
Morant Pt. Light Hs.	8	29.995	30.003	77.3	81.8	77.6	83.1	75.1	8.0	85.0	24*	66.0	20	19.0	..
Negril Pt. Light Hs.	33	29.978	29.935	71.4	84.7	78.7	86.8	64.2	22.6	90.0	23	63.0	12	27.0	..
Orange River Ex. St.	450	..	..	67.4	79.3	..	82.9	63.5	19.4	87.8	31	59.1	3	28.7	8.2
Palisadoes Airport	19	29.995	29.983	75.4	84.1	80.5	85.7	73.7	12.0	88.0	5*	70.0	5*	18.0	9.6

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	92	79	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	62	90	62	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	52	85	59	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	65	87	65	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	60	78	70	58	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	63	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	75	93	76	84	76	93	E	11	E.	10	E	13	6.5	7.0	5.0	5.1	3.1	3.4
Negril Pt. Light H.	66	83	69	60	71	76	E	3	S	10	S	7	1.7	2.3	4.7	4.8	5.1	5.1
Orange River Ex. St.	66	97	72	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	69	82	72	69	70	73	CALM		SE	16	SE	15	1.3	2.3	1.7	3.0	0.8	1.2

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

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

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their 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, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	0.51	.26	8	2	3.98
Blenheim	2.45	1.00	29	9	..
Blue Hole	1.50	.60	6	5	2.59
Cascade	1.59	.44	8	7	..
Copse	N.A.	..	..	..	3.16
Cousin's Cove	2.25	.80	29	15	3.32
Green Island	1.80	1.09	29	7	3.39
Green River	1.40	.40	29	5	..
Haughton Court	2.05	.60	6	7	2.30
Haughton Grove	1.08	.55	28	3	6.30
Haughton Hall	1.40	.91	29	9	2.70
Hopewell	0.93	.48	6	5	..
Kendal	0.92	.40	8	5	..
Kingsvale	0.82	.44	8	2	3.64
Lucea	1.94	.73	30	4	2.42
Retirement (F.D.)	1.23	.50	8	3	..
Santoy L. S.	1.05	.65	29	3	..
Shettlewood	1.27	.85	7	6	..
St. James					
Adelphi	4.07	2.04	28	5	..
Anchovy	0.64	.34	6	3	2.01
Cambridge	0.15	.15	8	1	4.39
Catadupa	0.97	.66	29	5	3.96
Cinnamon Hill	0.24	.16	6	2	1.34
Cornwall Works	0.34	.34	6	1	..
Friendship	1.33	1.00	1	5	2.26
Irwin A. C.	1.13	.95	6	3	2.10
Kempshot	0.76	.33	6	7	3.02
Lapland	1.21	.68	26	6	..
Latium L. S.	3.67	1.75	28	6	2.83
Maldon	2.21	.86	30	7	..
Mocho	0.98	.50	15	4	5.22
Montego Bay	0.43	.25	4	5	1.67
Montpelier	0.38	.15	8	4	2.55
Retirement	1.26	.95	1	3	2.89
Richmond Hill	0.61	.25	30	3	..
Rose Hall	0.33	.18	6	2	1.73
Running Gut	0.55	.42	6	2	1.64
Spring Estate	0.25	.13	15	2	1.52
Success	0.26	.26	6	1	1.81
Sweetwater	0.73	.35	30	3	..
Tryall	0.30	.18	6	2	1.67
Vaughansfield	0.73	.36	6	3	..
Windsor Lodge	5.62	3.37	28	9	..
Trelawny					
Albert Town	0.42	.18	30	3	3.82
Arcadia	0.40	.25	6	2	2.15
Clark's Town	1.40	.80	6	3	2.37
Duncans	1.24	.72	6	3	2.40
Falmouth	0.76	.28	28	5	1.77
Garredu	2.20	.75	22	5	..
Harmony Hall	1.21	.55	6	4	2.17
Hyde and Gibraltar	1.10	.61	6	6	..
Lichfield	0.35	.35	15	1	..
Lorrimers	0.71	.23	6	4	..
Stewart Town	1.65	.85	6	6	..
Troy	0.99	.43	29	4	5.47
Troy Land Settlement	0.75	.38	29	2	..
Ulster Spring	1.37	.66	29	3	3.96
Vale Royal	0.65	.44	6	3	2.33
Wait-a-bit	1.35	.62	6	5	..
Wakefield	2.71	2.01	29	2	2.18
Warsop	1.17	.70	29	3	2.64
St. Ann					
Alexandria	0.75	.50	6	3	2.22
Armadale	0.83	.65	6	2	..
Averham Park	4.23	1.50	7	12	3.57
Bel-Air	1.40	.50	15	5	4.20
Beverley L. S.	2.49	.78	15	6	..
Brown's Town	1.00	.38	5	5	3.01
Cave Valley	0.68	.27	6	3	2.57
Claremont	1.39	.49	14	4	3.16
Cuffie Ridge	0.78	.32	8	2	..
Eltham	1.70	.48	8	6	..
Exchange	0.13	.08	29	2	..
Greenock	0.48	.21	14	3	..
Home Castle	1.72	1.14	7	2	2.67
Knapdale	3.07	1.40	6	9	3.63
Liberty Hill	0.86	.28	20	8	2.47
Moneague	1.61	.83	6	4	3.35
New Ground A. C.	2.28	1.21	6	5	..
Ocho Rios	2.81	.95	21	6	2.79
Richmond Estate	1.71	.50	6	6	2.70
Rio Hoe	2.62	.75	6	15	3.56
Rockfield	3.23	1.56	6	12	3.40
Runaway Bay	1.33	.44	15	4	1.79
Rural Retreat	1.62	.45	6	7	..
St. Ann's Bay	1.47	.50	6	6	3.05
Stepney	0.00	..	..	0	..
Thatchfield L. S.	4.96	1.83	6	12	..
Unity	2.15	.60	14	9	3.68
Watt Town	0.43	.22	29	3	2.13
Wilton	0.14	.07	17	3	..
St. Mary					
Agualta Vale	4.95	2.15	1	6	4.23
Castleton Gardens	1.81	.60	14	8	4.81
Devon Pen L.S.	5.06	1.52	6	10	4.72
Dover A. C.	4.75	1.02	6	10	7.98
Enfield	4.85	2.00	7	6	..
Fort Stewart	4.89	1.24	11	10	..
Fort Stewart L.S.	13.79	2.49	5	17	..

Stations	March, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Gibraltar	3.11	.68	6	8	..
Golden Grove, East	3.75	.70	6	11	..
Golden Grove, West	4.17	.72	6	11	..
Gray's Inn Cent. Facty.	4.30	1.43	6	16	..
Guy's Hill	3.02	.73	6	10	3.64
Hampstead	4.36	1.30	5	8	4.89
Iter Boreale	4.19	1.52	6	7	..
Jack's River	1.60	.35	1	10	..
Lady Hole	3.70	.75	5*	9	..
Lower Esher	4.44	1.48	5	6	..
Lucky Hill	3.61	1.86	6	9	3.29
Lucky Hill Pen	3.06	1.25	6	5	..
Newry	3.02	.60	6	11	..
Nutfield A. C.	1.00	.40	2	9	..
Oracabessa	1.12	.35	16	6	4.01
Orange River	4.38	1.00	6	16	..
Platfield	1.90	1.08	9	4	..
Port Maria	1.00	.20	21	8	3.28
Prospect Estate	1.71	..	..	..	..
Quebec	1.80	.62	6	7	3.40
Retreat	2.25	.63	1	12	..
Richmond	2.75	.50	5	11	3.92
Warwick Castle L. S.	3.57	1.00	6	8	..
Water Valley	4.53	2.00	6	11	4.13
Western St. Mary	3.32	1.72	6	9	..
Windsor Castle	3.86	1.37	5	10	5.06
Portland					
Balcarres	3.32	.97	14	9	6.06
Belle Vue (Swift R.)	6.13	1.53	5	9	..
Belvedere	7.22	1.71	5	16	6.53
Boundbrook L. S.	5.51	1.21	6	17	..
Bruton Hall	6.32	1.00	5*	17	..
Buff Bay	5.50	2.05	15	6	4.94
Bybrook	7.25	1.64	6	11	..
Caenwood	Gauge unserviceable				
Cedar Hurst	1.18	.32	15	9	3.49
Chepstowe	6.37	2.72	5	8	..
Darley	4.75	1.08	5	17	..
Fellowship	6.80	1.40	5	12	6.72
Fruitful Vale	8.35	2.05	15	11	..
Hope Bay	4.02	1.00	7	8	3.84
Lennox	7.10	2.00	10	8	3.91
Manchioneal	1.31	.82	15	3	3.58
Mill Bank	6.77	1.98	5	13	10.33
Moore Town	8.50	1.91	5	14	10.13
Mount Holstein	1.83	.60	12	4	6.68
Mount Pleasant	5.20	1.05	5	9	..
Passley Gardens	4.47	..	..	..	4.03
Plum Valley	7.24	3.01	5	9	..
Port Antonio	5.38	1.17	5	12	4.59
Priestman's River	2.64	.92	15	6	3.45
Shrewsbury	N.A.	..	..	..	8.23
Spring Garden	4.07	1.10	6	10	4.58
Titchfield School P. A.	N.A.	..	..	..	..
Windsor	6.10	1.12	7	15	..

Stations	March, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	0.00	..	..	0	..
Bath	1.05	.32	21	5	4.04
Bowden Pen	5.78	1.20	22	11	..
Cedar Valley	1.35	.50	15	10	2.71
Clifton Hill	1.47	.41	15	8	..
Coley	0.47	.33	16	3	2.51
Duckenfield	0.73	.28	21	7	..
Easington	0.35	.11	16	5	1.33
East Prospect	1.08	.42	15	9	2.59
Golden Grove J. S. E.	0.96	.44	21	8	..
Llandewey	0.35	.11	16	5	..
Lloyds	0.68	.56	15	2	..
Morant Bay	0.45	.20	15	14	1.80
Morant Pt. Lighthouse	0.57	.28	21	7	2.11
Mount Mansfield	2.30	.65	22	8	..
Plantain Garden River	1.86	.97	21	8	..
Pleasant Hill	1.21	.75	21	3	2.78
Rowlandsfield L. S.	1.80	.40	9	10	..
Seaforth	0.73	.43	15	5	..
Spanishwood	1.11	.65	21	8	..
Wheelerfield	1.03	.30	15	6	..
Yallahs	0.00	..	..	0	0.98
Kingston and St. Andrew					
Bamboo Avenue	0.09	.09	21	1	..
Brandon Hill	0.00	..	..	0	..
Cavaliers	0.07	.07	16	1	..
Clifton Pen	0.12	.12	16	1	1.02
Constant Spring	0.14	.08	8	4	..
Constant Spring, Ch. Rd.	0.21	.21	21	1	..
Dallas Castle	0.12	.12	8	1	1.64
Fort George	0.00	..	..	0	..
Golden Spring	0.00	..	..	0	..
Gordon Town	0.00	..	..	0	1.65
Grey Weathers	0.00	..	..	0	..
Guava Ridge	0.00	..	..	0	1.71
Halfway Tree	0.00	..	..	0	0.93
Harbour Head	0.05	.05	15	1	..
Hardware Gap P.W.D.	0.36	.21	15	3	4.08
Hermitage	0.42	.16	8	6	2.10
Hill Gardens	0.75	.26	15	7	4.32
Hope Farm Agr. Stn.	0.00	..	..	0	1.96
Hope Laboratory	0.07	.04	16	2	..
Hope Water Works	0.00	..	..	0	..
Irish Town	0.00	..	..	0	1.94
Iver	0.06	.04	15	2	..
King's House Gardens	0.03	.03	16	1	1.47
Langley	0.53	.22	15	3	..
Lawrence Tavern	0.00	..	..	0	2.53
Mavis Bank	0.13	.08	16	3	1.71
Mount Airy	0.00	..	..	0	..
Mount Cressy	1.92	.42	17	13	..
Mount Salus	0.00	..	..	0	..
Newcastle	0.23	.19	16	2	..
Penfield Water Works	0.00	..	..	0	..
Red Hills	0.42	.12	15	4	2.31
Rose Hill	0.12	.08	15	3	3.84

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

Stations	March, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Seaview Filter Plant	0.10	.05	8	3	..
Shortwood College	0.06	.06	22	1	..
Stony Hill	0.00	..	..	0	2.84
Twickenham Pen	0.07	.07	16	1	..
Up Park Camp	0.00	..	..	0	..
Kingston					
Kingston P. W. O.	0.00	..	..	0	0.81
Palisadoes	0.13	.10	16	3	..
Parade Gardens	0.07	.07	7	1	..
Plumb Pt. Lighthouse	0.00	..	..	0	0.81
St. Georges College	0.10	.10	17	1	..
Upper Kingston	0.10	.09	16	2	0.90
St. Catherine					
Above Rocks	0.63	.43	25	2	..
Bellas Gate	0.62	.35	20	3	2.25
Bog Walk	0.30	.15	14*	2	2.14
Brown's Hall	1.24	.51	21	3	4.35
Carew Castle	0.45	.32	25	3	2.81
Ewarton	1.20	.61	14	4	..
Ginger Ridge	0.80	.30	15	8	..
Glengoffe	0.47	.20	6	3	..
Grove Farm A. C.	0.00	..	..	0	..
Guanaboa Vale	0.00	..	..	0	3.01
Headworks	0.12	.12	16	1	2.76
Hematine	0.08	.08	15	1	1.54
Hog Hole	0.10	.10	16	1	2.16
Knollis	0.40	.20	15	3	2.97
Linstead	1.09	.95	8	2	3.00
Old Harbour	0.05	.05	15	1	2.36
Pear Tree Grove	1.50	.35	15	7	3.80
Point Hill	1.25	.85	15	3	4.56
Quarantine Station	.08	.08	16	1	0.62
Rio Magno	3.55	1.30	6	7	4.06
Riversdale	1.16	.35	8	4	2.80
Sligoville	0.68	.26	21	5	3.49
Spanish Town	0.00	..	..	0	1.92
Troja	3.13	.92	6	6	2.83
Troja L. S.	3.92	2.50	5	4	..
Tulloch Estate	0.57	.20	15	4	..
Twickenham A. C.	0.00	..	..	0	..
Worthy Park	0.93	.29	14	5	2.85
Clarendon					
Amity Hall	0.00	..	..	0	..
Beauchamp	0.10	.10	7	1	..
Belle Plain	0.30	.19	5	2	2.64
Bog	0.18	.18	7	1	..
Brixton Hill	0.00	..	..	0	..
Building	0.00	..	..	0	..
Bull Head	1.07	.55	15	4	..
Carlisle	0.02	.02	21	1	..
Chapelton	0.10	.10	15	1	2.65
Clarendon Park	0.08	.08	15	1	..
Colonel's Ridge	0.85	.35	15	5	..
Cottage	0.00	..	..	0	0.86
Cotton Tree Gully	0.00	..	..	0	2.97
Croft's Hill	0.29	.25	14	2	2.13
Clarendon, *contd.*					
Crooked River	0.87	.45	17	4	..
DaCosta	0.00	..	..	0	..
Douce Pennants	N.A.	..	..	..	..
Exeter	0.00	..	..	0	1.38
Frankfield	0.67	0.19	8	6	2.30
Gibbons	0.00	..	..	0	..
Glen Muir	0.00	..	..	0	1.58
Grimmetts	0.00	..	..	0	..
Hillside	0.00	..	..	0	1.41
James Hill	0.76	.40	9	4	..
Kellits	0.41	.21	14	2	..
Knights	0.00	..	..	0	..
May Pen	0.25	.25	16	1	2.45
Milk River	0.18	.10	16	2	1.47
Morelands	0.00	..	..	0	1.50
Peckham L. S.	0.79	.27	15	6	..
Pennants	0.32	.12	15*	3	..
Pusey Hall	0.00	..	..	0	..
Rock River	0.00	..	..	0	1.41
Salt Savannah	0.00	..	..	0	..
Silent Hill	0.00	..	..	0	..
Spaldings	0.87	.32	15	3	2.68
Springfield	0.00	..	..	0	1.71
Suttons, J. G. R.	0.17	.17	15	1	2.74
Suttons, W. I. S. Coy.	0.00	..	..	0	..
Teak Pen L. S.	0.51	.20	15	4	..
Thompson Town	0.77	.23	15	7	..
Trout Hall	1.11	.50	17	4	3.24
Tweedside	0.80	.40	15	4	..
Manchester					
Alligator Pond	0.00	..	..	0	1.67
Christiana	0.63	.33	14	4	4.00
Chudleigh	0.76	.40	15	3	3.76
Cocoawalk L. S.	0.00	..	..	0	..
Craig Head	0.50	.50	28	1	..
Downs	0.00	..	..	0	..
Garlogie	1.03	.35	31	5	..
Greenvale	0.59	.59	15	1	3.43
Grove Place	0.05	.05	15	1	..
Holmwood	0.85	.65	15	2	..
Hope	0.41	.12	15*	6	..
Kendal	0.19	.15	17	2	3.24
Mandeville	0.52	.40	17	2	3.89
Mandeville, (Manchester Hotel)	0.52	.32	17	2	..
Mile Gully	0.10	.10	1	1	..
New Forest	0.00	..	..	0	..
Newport	0.26	.20	15	2	2.94
Porus	0.04	.04	17	1	..
Retrieve	0.00	..	..	0	1.97
Stones Hope	0.12	.12	16	1	2.64
Williamsfield	0.30	.15	15*	2	2.77
St. Elizabeth					
Aberdeen	0.69	.37	29	4	..
Accompong	3.37	.85	12	8	..
Appleton	0.51	.24	27	3	5.24
Balaclava	0.42	.25	30	3	4.56
Bartons	1.14	.73	29	4	..
Black River	0.00	..	..	0	2.58

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

Stations	March, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Elizabeth, *contd.*	ins.	ins.			ins.
Braes River	0.26	.26	29	1	..
Bull Savannah	0.00	..	..	0	..
Elderslie	1.20	.40	29	5	..
Fort Charles	0.00	..	..	0	1.84
Ginger Hill	0.70	.50	17	2	..
Holland Estate	0.00	..	..	0	..
Hounslow	0.00	..	..	0	..
Ipswich	0.83	.52	17	2	..
Lacovia	0.53	.38	30	2	4.41
Maggotty	0.13	.13	15	1	5.99
Malvern	0.10	.10	25	1	..
Middle Quarters	0.09	.09	20	1	..
Mount Charles	0.08	.06	20	2	..
Mulgrave	0.25	.25	15	1	..
Munro	0.19	.10	6	3	3.27
Myersville	0.00	..	..	0	..
Pedro Plains	0.85	.56	5	2	1.80
Quickstep	0.50	.50	30	1	..
Santa Cruz	1.05	1.05	29	1	4.59
Southfield	0.00	..	..	0	..
Springfield	0.62	.52	17	2	..
Springvale	0.00	..	..	0	..
Torrington	0.00	..	..	0	3.06
Williamsfield	0.15	.15	6	1	..
Windsor	0.14	.06	14	4	3.17
Yardley Chase	N.A.	..	..	..	..
Westmoreland					
Barham	1.15	.72	23	7	..
Baulk	1.07	.91	23	3	..
Belle Isle	0.78	.30	23	7	4.01

Stations	March, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland, *contd.*	ins.	ins.			ins.
Bethel Town	0.50	.32	7	2	4.80
Blue Castle	1.39	.40	23	8	..
Blue Fields	0.43	.26	15	3	6.27
Cornwall	0.62	.20	15	6	..
Darliston	1.14	.35	21	5	6.15
Fontabelle	0.62	.36	23	7	4.54
Friendship	0.87	.66	29	4	..
Frome	0.56	.45	23	5	..
Grange Hill	0.86	.24	24	6	4.97
Kew Park	1.12	.33	7	6	4.32
Lamb's River	0.65	.30	29	3	..
Little London	1.20	.60	23	4	4.00
Masemure	0.95	.50	23	6	..
Meylersfield	1.10	.50	23	6	..
Midgham	0.77	.35	23	5	..
Mint	0.38	.17	23	6	..
Mount Eagle	0.70	.25	23	6	..
Mount Edgecombe	0.76	.19	15	5	4.01
Negril Pt. Lighthouse	0.26	.12	15	4	2.87
New Market	1.34	.62	12	4	5.35
Paul Island	1.31	.40	23	6	..
Petersfield	0.30	.30	15	1	..
Petersville	1.36	1.00	29	3	5.25
Prospect	1.34	.87	29	5	..
Rat Trap	0.00	..	..	0	..
Retreat Estate	1.39	.54	15	6	3.68
Retrieve	0.83	.38	23	6	..
Sav.-la-Mar	0.18	.07	15	3	3.03
Sheffield	1.58	.49	22	10	..
Shrewsbury	1.12	.26	21	9	..
The Bog	1.24	.84	29	4	5.92
Water Works Farm	1.05	.30	28	8	4.87
Welch Pole	0.80	.40	8	3	..
Whithorn	1.73	.50	21*	4	4.81
Williamsfield	0.35	.15	8	3	..

*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 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 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 give the mean number of rain days on which measurable rain fell. The total rainfall for the first 3 months of 1948 is also compared with the averages.

Comparative Table of Rainfall Means—March, 1948

Parish	Rainfall for March			Rainfall, Jan.–March	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	1.25	3.09	5.0	6.32	8.33
St. James	1.15	2.65	3.8	5.02	7.40
Trelawny	1.23	3.14	3.5	5.81	8.87
St. Ann	1.64	3.14	5.8	12.27	11.11
St. Mary	3.51	4.51	9.2	18.55	15.41
Portland	5.12	6.38	10.2	26.48	24.78
St. Thomas	1.09	2.07	6.3	11.74	8.30
Kingston and St. Andrew	0.15	1.95	1.6	4.00	6.78
*Kingston	0.07	0.60	1.3	0.75	2.06
St. Catherine	0.73	2.46	2.9	5.88	7.24
Clarendon	0.35	2.26	2.1	3.99	6.51
Manchester	0.25	3.13	1.1	4.42	8.69
St. Elizabeth	0.39	3.72	1.4	4.03	8.81
Westmoreland	0.88	4.30	4.6	6.52	9.68
The Island	1.34	3.10 "70-Year"† 3.33	4.4 "45-Year" 7.5	8.82	9.57 "70-Year" 10.54

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

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

The March Rainfall

For the second month in succession, almost the whole island suffered from drought, the island total being only 43% of the normal. Portland and St. Mary received 80% and 78% respectively of their normal rainfall but St. Andrew, Clarendon, Manchester and St. Elizabeth endured great hardship with approximately one-tenth only of their usual fall.

Thus for the first three months of 1948, all Parishes except St. Ann, St. Mary, Portland and St. Thomas were below their average aggregate rainfall.

The months greatest fall was at Fort Stewart Land Settlement, St. Mary, with 13.79 ins. with Mooretown 8.50 ins. and Fruitful Vale 8.35 ins., both in Portland far behind as second and third. Four other stations received between seven and eight inches of rain during the month, whilst six more stations reported total falls of over six inches. 58 stations did not receive any measurable rain.

Windsor Lodge, St. James, reported the heaviest daily fall with 3.37 ins. on 28th, whilst Plum Valley, Portland reported 3.01 ins. on the 5th.

Sunshine, March, 1948

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

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.16	.38	.19	.26
7–8 "	.76	.82	.72	.84
8–9 "	.88	.78	.73	.82
9–10 "	.85	.84	.77	.86
10–11 "	.87	.82	.79	.95
11–12 noon	.88	.82	.76	.88
12–1 p.m.	.90	.81	.81	.94
1–2 "	.92	.76	.85	.94
2–3 "	.89	.73	.79	.92
3–4 "	.78	.73	.81	.90
4–5 "	.63	.73	.71	.88
5–6 "	.25	.24	.26	.40
Total ..	8.77	8.46	8.19	9.58
Percentage ..	73%	70%	68%	80%
No. of days over 10 hours ..	10	6	5	15
Cloudiest day ..	15th (4.3 hrs.)	21st (2.6 hrs.)	15th (3.3 hrs.)	21st (5.6 hrs.)

All stations reported more sunshine than March last year, in fact Grove Place had over an hour a day or more. With such a dry month, this is to be expected. It will be noted that Palisadoes had over 10 hours a day for half the month and a mean of 80% of the possible. Evaporation figures were in consequence also higher than 1947.

Evaporation

Hope Laboratory	3.50 inches
Negril Point Lighthouse	7.83 inches

Northers

No Northers were experienced during the month.

Earthquakes

Sweetwater in St. James, reported an earthquake shock on 10th, whilst Grove Place, Manchester and Maggotty in St. Elizabeth both reported tremors on 19th.

City of Kingston

All temperature values were higher than normal, particularly the average maximum which was 3.3°F above the 33-year normal. The mercury rose to 92.4°F of on the 18th in the city and 93.7°F of at Hope Gardens on the 3rd. On twelve occasions the thermometer rose to over 90°, 15th-19th being the warmest spell.

It was very windy each day at Palisadoes throughout the month with lulls on 5th, 13th, 14th, 18th and 19th whilst on 21st gusts exceeded gale force to reach 39 m.p.h.

Relative humidity and rainfall were well below average, rain only falling on one day in the city and not at all in parts of lower St. Andrew. Thus the city received no measurable rain between 27th January and 16th March, a period of 50 days.

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Meteorological Office,
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JAMAICA
WEATHER REPORT

FOR THE MONTH OF
APRIL, 1948

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 50° and Mean Sea Level.

The thermometers are exposed in 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 mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Strato-cumulus, 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. Palisadoes averages are for 4 a.m. 10 a.m. and 4 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	..	..	66.0	83.0	..	85.2	62.6	22.6	87.5	4*	60.1	23*	27.4	..
Grove Place A.C.	..	..	..	66.2	72.4	..	84.1	61.5	22.6	89.6	3	56.1	21	33.5	7.7
Hill Gardens	4,900	..	..	58.0	65.1	..	71.0	55.6	15.4	76.0	5*	51.5	15	24.5	..
Hope Laboratory	668	..	..	71.8	84.9	..	89.3	66.9	22.4	91.0	1	64.0	11	30.0	8.2
Kingston	80	..	..	75.6	84.5	..	88.0	71.4	16.6	91.3	1	67.3	9	24.0	..
Lorrimers	2,700	..	..	65.2	..	..	80.5	60.4	20.1	84.0	2*	57.0	16*	27.0	..
Morant Pt. Light Hs.	8	29.963	29.965	76.1	82.3	78.2	84.5	73.0	11.5	87.0	28	63.0	8	24.0	..
Negril Pt. Light Hs.	33	29.950	29.940	74.7	85.1	78.8	87.2	66.7	20.5	90.0	4*	64.0	10	26.0	..
Orange River Ex. St.	450	..	..	69.7	80.0	..	85.2	65.6	19.6	89.5	1	60.4	21	29.1	..
Palisadoes Airport	19	29.970	29.950	76.8	84.0	79.8	85.5	74.2	11.3	87.0	1*	70.0	20	17.0	9.7

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	89	80	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	64	95	73	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	53	84	60	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	67	84	69	58	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	69	80	73	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	63	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	73	89	76	80	74	85	E	6	SE	7	E	8	4.9	8.0	5.4	7.8	4.7	5.5
Negril Pt. Light H.	68	79	71	62	70	74	E	3	S	9	S	5	1.9	4.3	3.2	4.2	4.0	4.7
Orange River Ex. St.	68	96	73	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	71	82	73	70	73	78	CALM		SE	15	SE	12	0.6	3.6	1.8	4.1	2.4	4.4

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

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

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their 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	April, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	7.82	2.00	25	13	8.65
Blenheim	8.85	4.01	24	12	..
Blue Hole	1.59	1.23	24	5	4.01
Cascade	6.54	1.42	25	13	..
Copse	N.A.	..	..	..	5.91
Cousin's Cove	6.65	3.85	24	15	6.45
Green Island	4.57	1.37	12	10	5.51
Green River	4.50	1.70	13	6	..
Haughton Court A. C.	3.75	2.73	23	7	3.55
Haughton Grove	4.13	1.40	23	9	7.49
Haughton Hall	3.26	1.20	23	10	5.42
Hopewell	5.13	2.20	22	7	..
Kendal	6.22	1.58	13	9	..
Kingsvale	5.07	1.36	23	8	5.62
Lucea	3.09	2.26	23	6	3.63
Retirement (F.D.)	10.69	3.13	23	9	..
Santoy L. S.	5.08	1.82	13	8	..
Shettlewood	9.30	3.75	23	7	..
St. James					
Adelphi	4.86	2.25	22	4	..
Anchovy	3.12	1.84	26	8	3.23
Cambridge	5.55	1.50	26	8	7.34
Catadupa	7.87	1.80	27	12	8.32
Cinnamon Hill	1.54	.90	22	5	2.01
Cornwall Works	1.95	1.04	25	3	..
Friendship	5.29	1.15	23	8	3.87
Irwin A. C.	2.51	.80	22	6	2.81
Kempshot	5.23	2.11	23	11	5.16
Lapland	7.30	1.53	22	13	..
Latium L. S.	1.62	.50	21	6	3.96
Maldon	4.47	1.62	27	12	..
Mocho	12.85	3.22	20	11	10.89
Montego Bay	3.47	1.01	24	6	3.20
Montpelier	8.31	2.75	23	9	4.04
Retirement	4.15	1.42	23	8	4.74
Richmond Hill	9.07	2.62	23	11	..
Rose Hall	1.63	1.18	22	4	1.94
Running Gut	1.47	.83	22	4	1.88
Spring Estate	1.44	.97	22	3	1.67
Success	1.87	1.20	22	3	1.95
Sweetwater	8.81	1.83	22	15	..
Tryall	2.14	1.05	22	4	2.69
Vaughansfield	6.53	2.21	27	11	..
Windsor Lodge	6.38	2.75	23	5	..

Stations	April, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Trelawny					
Albert Town	4.64	1.80	22	6	6.68
Arcadia	2.35	1.40	22	6	2.73
Clark's Town	3.00	.93	22	9	4.02
Duncans	1.76	1.00	22	7	3.20
Falmouth	0.81	.36	23	5	2.20
Garredu	2.25	.60	11	6	..
Harmony Hall	2.02	1.23	22	7	2.24
Hyde and Gibraltar	4.82	1.95	21	11	..
Lichfield	6.28	1.67	23	11	..
Lorrimers	8.11	2.20	19	10	..
Reserve Pen, L.S.	N.A.	..	..	..	..
Stewart Town	5.25	1.81	22	7	..
Troy	5.96	1.27	7	8	8.57
Troy Land Settlement	6.58	1.64	26	10	..
Ulster Spring	5.44	2.54	22	6	6.85
Vale Royal	2.86	1.93	22	5	2.98
Wait-a-bit	5.92	1.73	22	12	..
Wakefield	4.63	1.30	28	8	5.07
Warsop	5.89	2.53	26	5	8.64
St. Ann					
Alexandria	4.53	2.65	22	6	3.88
Armadale	4.90	1.60	22	8	..
Averham Park	2.88	1.65	22	12	4.91
Bel-Air	3.35	1.70	28	8	4.15
Beverley L. S.	2.49	1.48	28	5	..
Brown's Town	4.13	1.53	22	9	3.98
Cave Valley	10.48	3.93	22	11	4.83
Chippenham Park	3.59	..	..	12	..
Claremont	5.15	1.87	19	8	4.53
Cuffie Ridge	12.11	6.05	22	8	..
Eltham	0.81	.40	29	5	..
Exchange	1.20	.56	24	4	..
Greenock	10.84	4.05	22	10	..
Home Castle	11.32	5.63	22	4	3.51
Knapdale	2.73	1.45	22	10	5.80
Liberty Hill	1.65	.60	22	9	4.00
Moneague	3.46	1.00	19	10	4.99
New Ground A. C.	1.47	.50	22	6	..
Ocho Rios	1.94	.87	30	6	3.51
Richmond Estate	3.09	1.60	28	6	3.55
Richmond Pen, L.S.	4.29	2.20	20	8	3.66
Rio Hoe	3.92	1.00	28	9	4.95
Rockfield	1.72	.83	22	14	5.08
Runaway Bay	3.28	1.72	28	6	1.96
Rural Retreat	4.99	1.88	19	9	..
St. Ann's Bay	2.78	1.10	28	8	3.87
Stepney	0.00	..	..	0	..
Thatchfield L. S.	3.51	1.46	22	9	..
Unity	4.68	1.22	19	12	4.42
Watt Town	6.64	5.00	23	4	4.08
Wilton	3.60	1.34	22	6	..
St. Mary					
Agualta Vale	1.07	.40	22	6	4.96
Castleton Gardens	6.21	2.70	22	10	6.93
Devon Pen, L.S.	4.38	1.51	22	9	..
Dover A. C.	2.36	1.23	24	8	6.05
Enfield	3.31	0.70	6	9	9.41
Fort Stewart	1.48	.35	29	9	..
Fort Stewart, L.S.	1.68	.47	23	8	..

Stations	April, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Gibraltar	0.80	.30	30	4	..
Golden Grove, East	1.40	.70	30	7	..
Golden Grove, West	1.59	.78	30	7	..
Gray's Inn Cntl. Facty.	.94	.25	13	10	..
Guy's Hill	2.98	.79	28	8	5.45
Hampstead	3.24	.90	22	5	5.66
Iter Boreale	2.02	.90	30	9	..
Jack's River	3.05	1.42	30	10	..
Lady Hole	1.35	.45	30	5	..
Lower Esher	1.81	.51	13	5	..
Lucky Hill	2.38	.81	28	9	4.95
Lucky Hill Pen	2.98	1.05	24	8	..
Newry	1.25	.44	13	10	..
Nutfield A. C.	2.73	1.50	23	4	..
Oracabessa	N.A.	..	..	..	4.72
Orange River	2.39	.47	24	11	..
Platfield	2.65	1.00	26	5	..
Port Maria	1.69	.45	30	10	4.13
Prospect Estate	1.08	..	..	..	..
Quebec	1.96	.96	23	5	4.04
Retreat	1.87	.40	19	9	..
Richmond	1.63	.30	18	12	4.77
Warwick	4.57	..	..	..	..
Water Valley	1.25	.35	22	6	4.84
Western St. Mary	3.33	1.03	28	9	..
Windsor Castle	2.31	.64	24	6	6.89
Portland					
Balcarres	5.52	1.40	25	11	7.22
Belle Vue	4.50	1.63	21	11	..
Belvedere	2.81	.69	29	14	7.02
Boundbrook, L. S.	5.30	2.00	22	8	..
Bruton Hall	6.64	1.55	19	13	..
Buff Bay	4.70	3.45	29	2	6.50
Bybrook	5.04	1.38	22	14	..
Caenwood	N.A.	..	..	..	..
Cedar Hurst	6.17	1.25	18	17	7.22
Chepstowe	4.28	1.06	21	12	..
Darley	5.10	1.67	21	12	..
Ecclesdown	N.A.	..	..	..	..
Fellowship	6.80	2.35	22	9	9.53
Fruitful Vale	5.30	2.03	21	10	..
Hope Bay	3.50	.95	29	9	8.07
Lennox	4.40	1.45	29	7	7.77
Manchioneal	2.78	1.45	22	7	7.04
Mill Bank	7.83	1.22	21	16	13.96
Moore Town	7.10	1.71	21	16	11.58
Mount Holstein	4.23	1.20	19	11	7.26
Mount Pleasant	6.76	2.02	21	7	..
Passley Gardens	6.30	..	..	..	7.14
Plum Valley	3.09	0.76	22	9	..
Port Antonio	3.87	1.66	21	9	6.85
Priestman's River	8.43	7.04	22	9	5.53
Shrewsbury	N.A.	..	..	..	9.98
Spring Garden	4.68	1.58	29	7	5.64
Windsor A. C.	8.25	1.74	21	16	..

Stations	April, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	5.35	1.75	5	7	..
Bath	5.30	.76	7	12	6.45
Bowden Pen	8.15	2.50	22	8	..
Cedar Valley	4.78	1.20	19	12	3.91
Clifton Hill	2.38	0.64	5	9	..
Coley	2.17	.52	17	8	4.10
Duckenfield	2.75	1.10	22	13	..
Easington	0.92	.40	19	7	1.95
East Prospect	1.73	.34	22	9	4.56
Golden Grove J. S. E.	2.80	.70	21,22	11	..
Llandewey	2.56	1.15	20	7	..
Lloyds	.48	.21	28	4	..
Morant Bay	.86	.38	8	4	3.08
Morant Pt. Lighthouse	2.46	.98	21	11	3.52
Mount Mansfield	5.13	1.00	30	11	..
Plantain Garden River	4.09	1.02	30	14	..
Pleasant Hill	2.79	.96	22	7	3.92
Rowlandsfield L. S.	5.64	1.62	22	10	..
Seaforth	1.56	.42	20	7	..
Spanishwood	2.47	.90	22	10	..
Wheelerfield	4.46	1.37	22	15	..
Yallahs	2.42	2.06	28	2	1.60
Kingston and St. Andrew					
Bamboo Avenue	2.61	1.18	28	6	..
Brandon Hill	8.70	1.26	19	11	..
Cavaliers	1.02	.34	28	5	..
Clifton Pen	.81	.34	20	6	1.71
Constant Spring F. P.	5.96	1.87	20	11	..
Constant Spring, Ch. Rd.	5.65	2.38	28	6	..
Dallas Castle	1.61	.70	27	6	3.06
Fort George	6.55	2.13	20	10	..
Golden Spring	5.19	1.40	20	12	..
Gordon Town	4.13	1.50	28	7	3.37
Grey Weathers	6.59	..	..	..	..
Guava Ridge	2.77	1.75	28	7	2.93
Halfway Tree	.86	.30	18,20	3	1.90
Harbour Head	1.45	.73	18	4	..
Hardware Gap P.W.D.	9.27	2.41	19	15	6.51
Hermitage	7.60	2.05	20	13	4.36
Hill Gardens	3.36	1.20	20	13	5.60
Hope Farm Agr. Stn.	2.00	1.06	28	4	2.93
Hope Laboratory	1.82	1.12	28	7	..
Hope Water Works	2.04	1.25	28	6	..
Irish Town	6.35	2.00	28	9	3.94
Iver	5.20	2.62	28	8	..
King's House Gardens	3.79	1.50	18	7	2.50
Langley	5.67	1.07	21	13	..
Lawrence Tavern	5.85	1.14	21	7	4.80
Mavis Bank	2.17	.78	20	7	2.93
Mount Airy	6.20	1.68	19	9	..
Mount Cressy	6.55	1.85	19	20	..
Mount Salus	5.18	1.71	20	9	..
Newcastle	6.26	1.50	21	10	..
Penfield Water Works	1.71	.89	28	5	..
Red Hills	4.57	1.66	28	9	4.16
Rose Hill	4.60	1.30	21	10	6.81

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

Stations	April, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Seaview Filter Plant	6.83	2.08	20	11	..
Shortwood College	6.28	2.38	28	9	..
Stony Hill	5.83	1.75	20	12	5.22
Twickenham Pen	1.06	.36	20	6	..
Up Park Camp	1.46	.57	28	4	..
Kingston					
Kingston P. W. O.	0.48	.26	20	4	1.01
Palisadoes	0.57	.27	9	6	..
Parade Gardens	0.54	.30	20	4	..
Plumb Pt. Lighthouse	0.41	.19	20	3	1.13
St. Georges College	0.77	.38	21	7	..
Upper Kingston	0.65	.34	20	6	1.07
St. Catherine					
Above Rocks	6.68	2.43	21	10	..
Bellas Gate	5.57	2.25	20	7	3.13
Bog Walk	6.35	1.81	21	10	4.51
Brown's Hall	5.07	1.26	18	8	4.17
Carew Castle	8.50	2.40	21	10	5.16
Ewarton	7.80	1.52	28	11	..
Ginger Ridge	5.42	1.80	20	9	..
Glengoffe	6.78	2.10	22	10	..
Grove Farm A. C.	2.87	1.82	20	5	..
Guanaboa Vale	14.67	3.65	17	7	4.68
Headworks	3.47	1.00	20	7	3.59
Hematine	5.62	1.82	20	8	2.47
Hog Hole	4.86	1.86	20	9	3.18
Knollis	5.66	2.17	21	8	5.25
Linstead	6.50	1.97	20	9	1.10
Old Harbour	5.07	1.95	20	9	3.14
Pear Tree Grove	2.70	.60	18	7	5.48
Point Hill	4.90	1.98	20	6	5.52
Quarantine Station	1.44	.94	28	4	1.33
Rio Magno	6.32	2.40	18	8	5.61
Riversdale	10.22	2.00	18	11	5.79
Sligoville	6.17	2.51	20	11	5.91
Spanish Town	5.27	2.09	20	8	2.34
Troja	3.10	1.10	18	9	6.71
Troja, L. S.	3.90	1.10	30	5	..
Tulloch Estate	4.75	1.56	21	10	..
Twickenham A. C.	1.94	1.32	20	3	..
Worthy Park	7.61	2.67	19	9	3.75
Clarendon					
Amity Hall	1.25	.62	22	3	..
Beauchamp	1.05	.30	9.22	5	..
Belle Plain	4.81	1.25	18	9	4.86
Bog	3.81	1.85	22	5	..
Brixton Hill	3.79	1.01	17	7	..
Building	1.70	.57	22	5	..
Bull Head	8.72	2.16	20	11	..
Carlisle	.51	.25	22	5	..
Chapelton	4.28	1.35	17	8	3.85
Clarendon Park	3.44	1.00	30	6	..
Colonel's Ridge	10.80	2.15	20	11	..
Cottage	1.30	.45	20	4	3.46
Cotton Tree Gully	2.49	1.05	20	6	..
Croft's Hill	12.66	2.67	17	10	4.44
Crooked River	7.70	1.70	19	9	5.61
DaCosta	2.54	.85	22	5	..
Douce Pennants	7.67	2.30	19	6	..
Exeter	1.92	.65	20	5	2.59
Frankfield	5.56	1.28	21	7	4.58
Gibbons	2.15	.82	22	5	..
Glen Muir	4.58	1.75	20	7	3.70
Grimmetts	.70	.55	9	2	..
Hillside	2.23	1.35	22	5	2.20
James Hill	7.59	1.41	22	10	..
Kellits	10.21	2.05	17	11	..
Knights	.22	.22	21	1	..
May Pen	4.55	1.35	18	11	3.14
Milk River	.97	.25	18	7	2.45
Morelands	2.84	1.84	22	6	1.57
Peckham, L. S.	7.71	2.38	2	11	..
Pennants	5.54	1.82	17	9	..
Pusey Hall	2.40	.85	22	5	..
Rock River	8.11	2.52	20	8	3.63
Salt Savannah	1.66	.65	22	5	..
Silent Hill	9.31	2.04	22	8	..
Spaldings	9.93	2.40	22	11	5.03
Springfield	1.27	.45	22	4	3.27
Suttons, J. G. R.	6.21	2.06	17	6	4.37
Suttons, W. I. S. Coy.	2.04	.87	22	6	..
Teak Pen L. S.	5.71	1.27	19	8	..
Thompson Town	7.11	2.04	18	9	..
Trout Hall	7.10	1.53	29	8	4.96
Tweedside	10.77	3.45	22	11	..
Manchester					
Alligator Pond	1.76	1.35	9	4	3.07
Christiana	6.82	1.60	22	13	6.59
Chudleigh	6.08	1.50	22	10	6.28
Cocoawalk L. S.	2.28	1.60	22	2	..
Craig Head	10.10	2.10	22	10	..
Downs	3.69	2.53	9	2	..
Garlogie	6.95	2.07	20	9	..
Greenvale	10.51	1.95	21	10	6.63
Grove Place	7.52	2.15	21	11	..
Holmwood	6.79	1.96	22	11	..
Hope	5.80	3.06	9	12	..
Kendal	7.93	2.24	19	11	6.23
Mandeville	5.91	2.00	19	9	6.01
Mandeville, (Manchester Hotel)	4.71	1.30	9	7	..
Mile Gully	7.33	2.25	22	9	..
New Forest, L. S.	2.85	2.05	9	5	..
Newport	5.89	2.63	9	7	4.78
Porus	2.70	1.40	22	4	..
Retrieve	4.35	2.04	22	6	3.37
Stones Hope	2.94	1.15	9	7	4.30
Williamsfield	9.07	2.77	19	12	5.32
St. Elizabeth					
Aberdeen	9.64	3.42	8	12	..
Accompong	5.11	1.20	7	13	..
Appleton	9.82	2.85	8	14	9.65
Balaclava	6.68	2.00	8	7	9.03
Bartons	5.05	1.49	6	10	..
Black River	3.16	0.84	19	8	3.92

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

Stations	April, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Elizabeth, *contd.*	ins.	ins.			ins.
Braes River	9.45	2.05	18	12	..
Bull Savannah	3.12	1.55	9	6	..
Elderslie		Gauge transferred			
Fort Charles	0.00	..	..	0	2.46
Ginger Hill	12.21	2.25	6	10	..
Hodges Estate	3.34	1.37	10	7	..
Holland Estate	9.81	3.35	18	9	..
Hounslow	3.93	1.65	18	6	..
Ipswich	9.39	2.31	20	12	..
Lacovia	6.55	2.48	19	9	7.84
Maggotty	8.29	2.28	8	12	9.97
Malvern	4.85	2.12	19	9	..
Middle Quarters	7.78	1.85	6	9	..
Mount Charles	5.34	1.26	10	11	..
Mulgrave	13.15	3.65	20	17	..
Munro	3.00	.80	9	9	4.36
Myersville	2.61	1.41	9	4	..
Pedro Plains	1.44	.40	9	6	2.76
Quickstep	5.75	1.23	28	7	..
Santa Cruz	13.21	3.40	19	14	8.67
Southfield	2.91	2.35	9	4	..
Springfield	10.93	2.68	8	7	..
Springvale	5.20	1.50	21	6	..
Torrington	3.46	0.95	19	8	4.80
Williamsfield	0.48	0.22	7	4	..
Windsor	5.26	2.22	19	10	5.05
Yardley Chase	N.A.	..	..	..	..
Westmoreland					
Barham	4.19	0.85	19	8	..
Bath Pen	N.A.	..	..	..	..
Baulk	4.86	1.18	7	10	..
Belle Isle	4.14	1.26	14	11	6.80
Bethel Town	3.30	1.02	22	9	9.57
Blue Castle	3.12	1.45	19	9	..
Blue Fields	5.57	1.66	18	8	7.78
Cornwall	1.80	0.47	23	13	..
Darliston	4.76	1.35	7	10	11.26
Fontabelle	3.34	0.90	14	10	5.64
Friendship	4.30	0.90	19	10	..
Frome	3.83	1.13	14	7	..
Grange Hill	3.82	1.10	21	11	7.71
Kew Park	4.46	0.93	21	11	8.23
Lamb's River	5.59	1.26	26	12	..
Little London	2.61	0.60	17	9	5.99
Masemure	2.55	0.85	25	8	..
Meyersfield	1.62	0.62	19	7	..
Midgham	3.91	1.47	7	9	..
Mint	6.57	2.26	21	11	..
Mount Eagle	4.03	1.25	7	9	..
Mount Edgecombe	3.49	1.85	8	7	5.51
Negril Pt. Lighthouse	1.31	.43	14	6	3.25
New Market	6.82	2.05	25	7	9.94
Paul Island	1.64	0.32	7	9	..
Petersfield	4.45	2.18	17	5	..
Petersville	4.18	1.93	6	5	7.19
Prospect	4.16	1.39	7	9	..
Rat Trap	4.02	1.40	26	5	..
Retreat Estate	1.17	0.49	14	5	4.99
Retrieve	1.60	0.64	25	7	..
Sav.-la-Mar	2.33	.95	7	9	4.98
Sheffield	2.20	0.90	14	8	..
Shrewsbury	5.66	2.35	17	12	..
The Bog	3.35	0.98	8	5	10.24
Water Works Farm	2.17	0.50	17	14	8.05
Welch Pole	6.85	2.05	7	13	..
Whithorn	1.91	0.80	23	4	7.64
Williamsfield	4.20	0.95	13	9	..

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 4 months of 1948 is also compared with the averages.

Comparative Table of Rainfall Means—April, 1948

Parish	Rainfall for April			Rainfall, Jan.–April	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	5.65	6.76	8.9	11.97	15.09
St. James	5.39	5.36	8.3	10.41	12.76
Trelawny	4.10	5.38	7.3	9.91	14.25
St. Ann	4.21	5.02	7.4	16.48	16.13
St. Mary	2.58	6.05	7.8	21.13	21.46
Portland	5.60	9.81	10.5	32.08	34.59
St. Thomas	3.21	3.87	8.4	14.95	12.17
Kingston and St. Andrew	3.64	4.05	7.9	7.64	10.83
*Kingston	0.56	0.94	4.9	1.31	3.00
St. Catherine	5.99	4.36	8.2	11.87	11.60
Clarendon	5.73	4.45	7.8	9.72	11.96
Manchester	5.32	5.76	6.9	9.74	14.45
St. Elizabeth	5.68	6.75	8.4	9.71	15.56
Westmoreland	3.69	7.93	8.5	10.21	17.61
The Island	4.70	5.46 "70-Year"† 5.11	8.2 "45-Year" 8.7	13.52	15.03 "70-Year" 15.65

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

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

The April Rainfall, 1948

The seasonal increase in rainfall relieved somewhat the drought conditions which prevailed during February and March, St. Catherine and Clarendon being particularly fortunate in receiving 138% and 129% of their normal falls. St. Mary was less fortunate in only receiving 43% but as it had suffered less earlier, its aggregate for January-April was about normal. On the other hand, Westmoreland again received less than half its normal, making its aggregate only 58% for 1948, to date.

The Corporate Area had only received 43% of its normal meagre total of 3.0 ins. for the first four months of the year.

The highest monthly total was recorded at Guanaboa Vale in St. Catherine, where 14.67 ins. fell; whilst 17 stations recorded more than 10 ins. The 22nd April yielded the highest daily totals with 7.04 ins. at Priestman's River, Portland, 6.05 ins. at Cuffie Ridge and 5.63 ins. at Home Castle, both in St. Ann. Fort Charles in St. Elizabeth was the only station with no measurable rain.

Sweetwater in St. James reported Hail on 22nd.

Sunshine—April, 1948

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

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.21	.54	.32	.62
7–8 "	.91	.85	.88	.92
8–9 "	.96	.90	.92	.92
9–10 "	.94	.81	.91	.95
10–11 "	.91	.79	.88	.95
11–12 noon	.85	.81	.87	.97
12–1 p.m.	.79	.81	.90	.94
1–2 "	.69	.73	.78	.95
2–3 "	.48	.63	.60	.88
3–4 "	.42	.59	.51	.70
4–5 "	.33	.50	.52	.62
5–6 "	.22	.24	.27	.24
Total	7.71	8.20	8.36	9.66
Percentage	61%	65%	67%	77%
No. of days over 10 hours	7	7	7	15
Cloudiest day	19th 3.1 hrs.	12th 3.8 hrs.	12th 4.4 hrs.	12th 4.5 hrs.

Evaporation

Hope Laboratory	5.13 inches
Negril Point Lighthouse	7.57 inches

Earthquakes

Date	Time	Intensity	Where felt
18th	4.20 a.m.	Slight	Dallas Castle, St. Andrew and Hematine, St. Catherine

City of Kingston

The mean temperature was 79.4° compared with the long term average of 78.2° whilst all mean highest and lowest temperatures were about 1–1½ F above the normal. In spite of this, the mercury only rose above 90°F on the 1st, 11th and 12th, compared with twelve days last month. The nights were somewhat cooler on 9th-11th, 16th and 21st, when the minimum temperature fell below 70°F.

Measurable rain fell on five days only and was insufficient to break the long drought. Between January 15th, and April 18th, a period of 83 days, only 0.32 of an inch fell in the city.

Relative humidity was a little above normal.

Palisadoes experienced a windy spell from 11th to 14th, whilst showers were visible in the vicinity on 7 days and lightning seen on the 23rd.

Solar Halos were seen on two occasions and a Luna Halo on one occasion.

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NOV 13 1952

JAMAICA
WEATHER REPORT

FOR THE MONTH OF
MAY, 1948

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 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 mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths 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	..	..	65.7	82.9	..	85.2	62.4	22.8	88.5	18	60.3	25	28.2	..
Grove Place A.C.	1460	..	..	70.2	78.3	..	83.0	64.4	18.6	89.6	*15	61.0	4	28.6	6.0
Hill Gardens	4900	..	..	61.2	66.8	..	71.5	58.4	13.1	78.0	17	53.5	6	24.5	..
Hope Laboratory	668	..	..	75.2	85.4	..	90.0	69.8	20.2	95.4	16	66.0	12	29.4	6.5
Kingston	80	..	..	78.4	84.8	..	88.8	74.4	14.4	91.3	2	69.8	26	21.5	..
Lorrimers	2700	..	..	68.2	..	..	79.5	62.3	17.2	84.0	*15	57.0	*4	27.0	..
Morant Pt. Light Hs.	8	29.907	29.908	79.0	83.3	79.9	85.4	75.8	9.6	87.0	*1	67.0	30	20.0	..
Negril Pt. Light Hs.	33	29.900	29.884	77.7	85.3	79.4	87.6	66.8	20.8	92.0	*4	66.0	*2	26.0	..
Orange River Ex. St.	450	..	..	72.0	80.9	..	85.7	68.1	17.6	89.0	31	64.4	12	24.6	6.1
Palisadoes Airport	19	29.912	29.908	79.4	84.7	81.3	86.0	77.2	8.8	89.0	*2	70.0	26	19.0	7.8

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	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	69	97	72	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	58	87	63	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	70	84	70	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	71	80	75	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	66	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	76	91	77	81	76	87	E	8	E	8	E	9	7.0	8.0	6.5	7.3	6.1	6.9
Negril Pt. Light H.	72	83	73	68	73	81	E	2	SE	7	SE	6	1.9	4.9	5.2	6.6	6.5	7.5
Orange River Ex. St.	70	95	77	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	72	82	76	75	75	80	NNE	4	SE	18	SE	16	1.8	5.6	1.8	5.7	2.2	5.6

*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	May 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	25.94	3.05	7	25	14.23
Blenheim	21.24	4.25	21	22	..
Blue Hole	13.34	3.90	29	13	10.56
Cascade	28.58	3.94	29	25	..
Copse	N.A.	..	..	..	12.49
Cousin's Cove	19.35	3.12	21	28	9.12
Green Island	13.03	1.95	21	20	8.80
Green River	13.75	1.50	7	19	..
Haughton Court A. C.	14.03	5.28	21	18	8.97
Haughton Grove	14.01	3.44	30	18	14.47
Haughton Hall	13.18	2.30	21	25	7.67
Hopewell	11.67	3.60	21	15	..
Kendal	13.67	3.00	21	22	..
Kingsvale	11.40	2.96	21	18	10.66
Lucea	10.90	3.50	22	10	8.32
Retirement	19.83	3.17	21	24	..
Santoy L. S.	15.97	3.41	21	19	..
Shettlewood	14.70	3.82	30	19	..
St. James					
Adelphi	10.77	3.49	21	13	..
Anchovy	8.67	1.82	21	14	7.46
Cambridge	14.61	2.87	4	16	13.60
Catadupa	15.15	3.23	30	19	16.10
Cinnamon Hill	6.04	4.98	21	6	4.97
Cornwall Works	5.73	4.56	21	6	..
Friendship	9.30	4.06	21	11	8.04
Irwin A. C.	8.61	3.50	22	14	8.30
Kempshot	9.41	3.29	21	19	10.37
Lapland	15.25	3.90	30	17	..
Latium L. S.	7.49	1.50	21	15	9.98
Maldon	14.57	2.66	30	22	..
Mocho	17.49	2.92	29	18	18.60
Montego Bay	7.81	3.27	21	12	7.18
Montpelier	14.12	2.25	30	19	10.59
Retirement	11.59	4.38	21	13	8.71
Richmond Hill	14.72	3.09	29	18	..
Rose Hall	5.89	4.74	21	8	4.60
Running Gut	6.16	5.22	21	7	4.96
Spring Estate	5.64	5.00	21	5	4.28
Success	5.67	4.28	21	7	4.48
Sweetwater	16.38	2.33	30	18	..
Tryall	6.10	5.10	21	5	6.07
Vaughansfield	20.50	4.54	22	13	..
Windsor Lodge	11.21	3.75	29	9	..
Trelawny					
Albert Town	10.85	1.85	29	13	11.09
Arcadia	6.73	2.50	21	8	5.11
Clark's Town	6.92	2.25	21	13	7.30
Duncans	5.47	2.85	21	7	4.82
Falmouth	4.89	2.30	21	8	4.40
Harmony Hall	5.76	3.03	21	10	4.50
Hyde and Gibraltar	6.66	2.13	21	11	..
Lichfield	7.94	2.06	21	11	..
Lorrimers	7.06	2.21	21	14	..
Reserve Pen, L.S.	11.85	3.40	29	12	..
Stewart Town	7.83	2.81	21	17	..
Troy	13.14	1.94	20	16	15.03
Troy Land Settlement	15.64	3.40	20	13	..
Ulster Spring	9.38	1.64	21	13	11.93
Vale Royal	5.45	2.32	21	9	5.90
Wait-a-bit	8.36	2.38	21	15	..
Wakefield	11.85	3.40	29	13	9.92
Warsop	13.55	2.12	28	15	14.72
St. Ann					
Alexandria	9.93	3.78	21	13	7.14
Armadale	7.74	3.79	21	13	..
Averham Park	15.71	8.70	21	17	7.26
Bel-Air	8.85	4.65	21	11	6.54
Beverley L. S.	9.83	3.40	21	15	..
Brown's Town	11.10	3.50	21	14	8.76
Cave Valley	11.41	4.16	21	17	9.36
Chippenham Park	10.51	..	..	17	..
Claremont	11.39	5.08	21	12	7.32
Cuffie Ridge	12.80	3.86	21	12	..
Eltham	9.71	6.46	22	10	..
Exchange	9.80	6.48	21	9	..
Greenock	13.30	4.41	21	13	..
Home Castle	11.81	4.50	21	6	6.08
Knapdale	10.76	4.00	21	14	8.86
Liberty Hill	11.61	5.54	21	13	4.97
Moneague	12.50	3.53	21	16	8.55
New Ground A. C.	9.06	2.57	21	14	..
Ocho Rios	10.64	5.68	21	11	5.69
Queen Hythe L.S.	11.81	4.50	21	6	..
Richmond Estate	11.90	5.70	21	10	5.94
Richmond Pen, L.S.	9.28	2.90	22	11	7.16
Rio Hoe	16.88	5.05	21	20	7.98
Rockfield	12.99	5.10	21	18	6.34
Runaway Bay	5.52	3.12	21	9	3.17
Rural Retreat	10.77	4.52	21	13	..
St. Ann's Bay	12.79	6.40	21	13	5.65
Stepney	12.81	2.01	24	14	..
Thatchfield L. S.	14.09	5.00	21	15	..
Unity	17.74	6.20	21	22	8.35
Watt Town	8.31	3.28	21	16	7.47
Wilton	8.34	3.70	21	8	..
St. Mary					
Agualta Vale	17.21	9.55	21	8	6.04
Bundo L. S.	N.A.	..	..	..	..
Castleton Gardens	27.03	15.50	21	18	12.67
Devon Pen, L.S.	20.47	9.90	21	14	..
Dover A. C.	20.50	9.52	21	9	6.55
Enfield	12.53	4.50	22	10	10.90
Fort Stewart	13.02	5.70	21	7	..

N.A. "Not available

Stations	May, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Fort Stewart, L.S.	18.68	6.75	21	9	..
Gibraltar	12.27	3.70	21	10	..
Golden Grove, East	12.05	3.90	23	11	..
Golden Grove, West	13.50	4.05	23	10	..
Gray's Inn Cntl. Facty.	18.54	9.55	21	10	..
Guy's Hill	21.16	5.75	21	17	7.84
Highgate	20.91	9.52	22	10	..
Hampstead	18.10	9.00	21	11	7.32
Iter Boreale	16.17	6.10	21	10	..
Jack's River	11.90	8.10	21	10	..
Lady Hole	17.90	8.65	21	9	..
Lower Esher	13.66	8.00	21	10	..
Lucky Hill	16.58	5.60	21	11	8.15
Lucky Hill Pen	13.75	3.70	7	14	..
Newry	14.05	4.75	23	10	..
Nutfield A. C.	15.35	10.00	21	9	..
Oracabessa	N.A.	..	..	..	8.48
Orange River	18.87	9.05	21	14	..
Platfield	19.54	8.15	21	15	..
Port Maria	9.90	7.10	21	9	6.33
Prospect Estate	9.79	..	..	..	..
Quebec	14.10	11.50	21	7	6.47
Retreat	6.37	2.35	21	13	..
Richmond	17.23	8.00	21	13	7.69
Warwick	10.94	2.05	21	15	..
Water Valley	17.49	8.50	21	7	6.99
Western St. Mary	20.81	6.75	21	12	..
Windsor Castle	16.02	5.12	21	12	8.66
Portland					
Balcarres	10.55	5.02	21	9	12.01
Belle Vue	12.91	4.40	21	10	..
Belvedere	15.44	5.37	21	11	7.36
Boundbrook, L. S.	17.47	6.60	21	19	..
Bruton Hall	19.04	7.00	22	17	..
Buff Bay	16.04	9.45	21	7	8.09
Bybrook	11.27	3.55	21	11	..
Castle Comfort	13.63	6.20	21	10	..
Cedar Hurst	12.67	3.31	21	16	9.08
Chepstowe	12.23	5.40	21	10	..
Darley	14.43	6.97	21	23	..
Ecclesdown	23.16	5.17	21	18	..
Fellowship	19.07	7.00	21	17	15.65
Fruitful Vale	15.15	4.88	22	15	..
Hope Bay	14.72	6.76	21	15	9.94
Lennox	19.85	8.10	21	10	10.26
Manchioneal	13.26	3.15	21	13	12.33
Mill Bank	14.90	3.50	21	15	16.29
Moore Town	13.88	3.51	21	17	16.54
Mount Holstein	7.99	1.89	21	8	10.34
Mount Pleasant	18.01	10.50	21	10	..
Passley Gardens	13.47	..	..	..	9.70
Plum Valley	11.99	6.85	21	7	..
Port Antonio	18.52	8.50	21	18	13.24
Priestman's River	14.71	6.10	21	15	9.34
Shrewsbury	18.60	2.67	25	15	13.52
Spring Garden	14.96	9.00	21	11	..
Windsor A. C.	16.17	4.75	21	17	..

Stations	May, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	13.34	5.60	21	8	..
Bath	11.62	2.69	22	16	12.00
Bowden Pen	14.11	4.10	22	12	..
Cedar Valley	17.30	4.48	21	15	8.60
Clifton Hill	10.41	2.40	22	17	..
Coley	14.56	4.35	21	11	8.91
Duckenfield	7.35	2.21	22	16	..
Easington	8.28	2.50	21	13	5.73
East Prospect	9.73	2.52	22	14	8.39
Golden Grove J. S. E.	9.97	2.90	29	19	..
Llandewey	6.24	3.15	22	7	..
Lloyds	6.72	2.70	31	8	..
Morant Bay	10.74	3.05	22	13	7.30
Morant Pt. Lighthouse	7.49	2.85	22	17	8.22
Mount Mansfield	8.59	1.10	7, 29	16	..
Plantain Garden River	12.04	2.74	22	17	..
Pleasant Hill	9.33	2.10	22	17	7.31
Rowlandsfield L. S.	10.36	2.19	21	13	..
Seaforth	11.25	1.96	21	14	..
Spanishwood	7.93	2.55	22	7	..
Wheelerfield	8.13	2.55	22	14	..
Yallahs	7.82	2.38	22	10	3.06
Kingston and St. Andrew					
Bamboo Avenue	10.83	4.82	21	7	..
Brandon Hill	25.20	10.30	21	10	..
Cavaliers	8.94	3.32	21	8	..
Clifton Pen	13.97	5.20	21	8	4.00
Constant Spring F. P.	15.96	5.21	21	12	..
Constant Spring Ch. R.	11.86	5.57	21	9	..
Dallas Castle	6.66	4.56	21	10	4.20
Fort George	15.90	7.60	20	18	..
Golden Spring	15.20	6.15	21	9	..
Gordon Town	15.57	4.45	21	9	7.05
Grey Weathers	16.55	..	..	..	..
Guava Ridge	15.38	4.49	21	12	5.64
Halfway Tree	12.40	5.24	21	7	4.44
Harbour Head	8.26	2.86	22	5	..
Hardware Gap P.W.D.	13.90	4.20	21	15	11.82
Hermitage	16.40	5.16	21	18	11.69
Hill Gardens	14.17	3.55	22	19	9.40
Hope Farm Agr. Stn.	8.54	3.75	21	10	6.10
Hope Laboratory	8.28	2.86	21	8	..
Hope Water Works	8.56	2.82	21	7	..
Irish Town	12.44	4.20	21	9	7.33
Iver	11.86	3.93	22	9	..
King's House Gardens	11.72	5.20	21	8	5.61
Langley	20.01	7.24	21	17	..
Lawrence Tavern	14.29	5.28	21	20	9.83
Mavis Bank	11.19	3.00	21	11	5.64
Mount Airy	18.24	7.05	21	12	..
Mount Cressy	17.37	4.95	21	22	..
Mount Salus	25.18	8.50	21	8	..
Newcastle	13.75	3.78	22	16	..
Penfield Water Works	11.39	3.44	21	13	..
Red Hills	22.23	8.03	21	11	7.76
Rose Hill	10.73	3.80	22	14	12.37

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

Stations	May, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Seaview Filter Plant	16.29	7.00	21	15	..
Shortwood College	16.79	7.62	21	10	..
Stony Hill	13.10	4.45	21	13	8.46
Twickenham Pen	11.94	5.03	21	7	..
Up Park Camp	8.32	3.56	21	7	..
Kingston					
Kingston P. W. O.	9.46	3.80	21	5	3.48
Palisadoes	8.73	3.99	22	10	..
Parade Gardens	9.55	3.00	21	7	..
Plumb Pt. Lighthouse	6.96	2.77	21	4	4.37
St. George's College	8.29	2.75	22	7	..
Upper Kingston	9.54	3.46	21	8	3.05
St. Catherine					
Above Rocks	18.32	10.53	21	13	..
Bellas Gate	9.77	4.35	21	8	6.77
Bog Walk	12.93	5.50	21	10	9.20
Brown's Hall	9.62	2.96	31	7	8.38
Carew Castle	19.82	10.10	21	13	10.67
Ewarton	13.70	4.25	21	18	..
Ginger Ridge	14.29	4.88	21	15	..
Glengoffe	22.22	10.20	21	18	..
Grove Farm A. C.	9.59	5.05	21	9	..
Guanaboa Vale	14.85	5.25	22	9	6.59
Headworks	11.31	5.00	21	13	7.16
Hematine	10.83	5.53	21	8	5.33
Hog Hole	16.07	5.81	21	10	6.52
Knollis	17.17	7.10	21	10	9.77
Linstead	18.96	6.23	21	18	9.37
Old Harbour	11.86	4.75	21	10	5.70
Pear Tree Grove	18.11	7.00	21	12	8.07
Point Hill	15.81	5.00	21	14	11.32
Quarantine Station	9.24	4.00	22	7	2.82
Rio Magno	21.55	6.30	21	19	8.39
Riversdale	16.29	6.50	21	18	8.78
Sligoville	15.40	8.01	21	16	10.21
Spanish Town	14.83	6.97	21	8	5.60
Troja	18.64	7.74	21	17	10.67
Troja, L. S.	19.50	5.50	21	16	..
Tulloch Estate	14.42	5.10	21	15	..
Twickenham A. C.	13.42	7.30	21	5	..
Worthy Park	13.60	4.75	21	16	7.69
Clarendon					
Amity Hall	13.95	6.50	21	7	..
Beauchamp	7.51	2.97	21	6	..
Belle Plain	18.91	8.50	21	12	7.40
Bog	13.66	6.08	21	8	..
Brixton Hill	15.45	4.93	21	9	..
Building	13.70	6.00	21	7	..
Bull Head	14.72	2.80	31	21	..
Carlisle	13.10	6.15	21	10	..
Clarendon Park J.G.R.	10.81	4.30	21	10	..
Chapelton	10.07	2.70	31	13	8.77
Colonel's Ridge	17.81	5.50	21	16	..
Cottage	14.21	6.00	21	10	4.49
Cotton Tree Gully	11.34	4.80	21	10	..
Croft's Hill	15.65	5.00	21	12	8.55
Crooked River	16.11	4.85	21	15	8.58
DaCosta	13.22	6.09	21	5	..
Douce Pennants	19.09	6.00	21	16	..
Exeter	12.27	5.80	21	8	4.72
Frankfield	16.90	4.28	20	14	9.27
Gibbons	8.61	4.90	21	6	..
Glen Muir	15.00	5.40	21	8	5.84
Grimmetts	7.26	2.60	21	8	..
Hillside	13.38	5.70	21	9	5.94
James Hill	16.52	4.10	20	12	..
Kellits	15.08	4.02	21	16	..
Knights	9.43	4.68	21	5	..
May Pen	14.05	4.95	21	11	6.36
Milk River	9.24	4.66	21	9	5.70
Morelands	12.63	5.50	21	11	6.57
Peckham, L. S.	14.14	2.71	30	15	..
Pennants	12.98	4.35	21	13	..
Pusey Hall	12.75	5.00	21	7	..
Rock River	15.70	5.01	21	7	8.51
Salt Savannah	12.95	5.00	21	7	..
Silent Hill	6.83	1.50	21	11	..
Spaldings	15.95	3.32	21	13	8.71
Springfield	7.80	3.40	21	7	6.31
Suttons, J. G. R.	9.20	2.00	31	10	10.19
Suttons, W. I. S. Coy.	15.82	6.00	21	8	..
Teak Pen L. S.	16.78	4.97	21	11	..
Thompson Town	17.86	5.85	21	13	..
Trout Hall	14.13	3.25	30	14	9.55
Tweedside	11.12	3.05	22	10	..
Manchester					
Alligator Pond	9.33	3.12	21	7	4.92
Christiana	11.55	2.80	21	11	10.56
Chudleigh	9.70	3.50	21	6	10.25
Cocoawalk L. S.	15.28	4.37	31	8	..
Craig Head	8.37	1.50	21	9	..
Downs	8.65	3.15	31	6	..
Garlogie	21.13	5.31	21	15	..
Greenvale	11.83	3.15	26	14	9.53
Grove Place	10.92	2.71	21	14	..
Holmwood	12.25	2.65	21	11	..
Hope	12.40	4.56	22	13	..
Kendal	11.72	2.67	21	12	10.06
Mandeville	9.37	2.95	21	9	9.97
Mandeville, (Manchester Hotel)	9.80	2.63	28	10	..
Mile Gully	9.72	2.39	21	11	..
New Forest, L. S.	7.54	2.05	21	8	..
Newport	11.49	3.60	21	13	8.07
Porus	14.00	4.39	31	8	..
Retrieve	13.21	6.60	21	9	4.83
Stones Hope	14.81	4.05	31	12	8.55
Williamsfield	13.91	3.47	21	14	9.76
St. Elizabeth					
Aberdeen	7.24	1.90	15	13	..
Accompong	N.A.	..	..	..	..
Appleton	7.26	1.70	4	15	13.35
Balaclava	8.43	2.43	15	11	12.59
Bartons	8.12	1.63	29	13	..
Black River	2.32	1.38	21	4	6.62

N.A.—Not available.

Stations	May, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Elizabeth, *contd.*	ins.	ins.			ins.
Braes River	10.14	2.32	21	8	..
Bull Savannah	7.61	3.59	21	7	..
Fort Charles	3.36	1.16	22	3	4.30
Ginger Hill	16.01	2.40	13	17	..
Gutters	6.38	2.20	22	6	..
Hodges Estate	2.36	1.27	21	6	..
Holland Estate	9.43	1.75	12	12	..
Hounslow	4.13	1.10	21	4	..
Ipswich	15.71	3.62	13	16	..
Lacovia	6.74	2.72	20	9	11.26
Lititz	8.65	3.15	31	6	..
Maggotty	6.71	1.76	21	13	13.43
Malvern	7.09	1.80	21	9	..
Middle Quarters	8.45	1.64	29	12	..
Mount Charles	9.01	2.57	28	12	..
Mulgrave	23.07	3.25	30	18	..
Munro	7.70	2.28	22	12	6.14
Myersville	3.72	1.00	31	7	..
Pedro Plains	4.58	1.75	21	6	3.56
Quickstep	8.97	2.25	31	10	..
Santa Cruz	9.53	3.80	28	9	11.27
Southfield	6.42	2.50	20	9	..
Springfield	14.32	2.36	30	14	..
Springvale	11.39	2.65	21	10	..
Torrington	5.87	2.00	21	5	6.45
Treasure Beach	5.34	1.94	21	6	..
Williamsfield	4.07	1.32	22	5	..
Windsor	6.98	1.70	21	9	8.24
Yardley Chase	3.35	1.75	21	3	..
Westmoreland					
Barham	12.48	3.06	4	20	..
Bath Pen	11.67	2.09	22	10	..
Baulk	17.26	2.95	27	20	..
Belle Isle	16.13	2.68	21	16	12.21

Stations	May, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Westmoreland, *contd.*					
Bethel Town	16.72	2.66	14	18	17.36
Blue Castle	11.39	2.22	4	21	..
Blue Fields	5.28	1.86	21	8	11.65
Cornwall	10.68	2.42	4	19	..
Darliston	21.09	2.90	30	16	16.77
Fontabelle	10.58	2.11	28	22	11.62
Friendship	11.95	1.62	14	20	..
Frome	16.14	4.91	28	23	..
Grange Hill	15.55	3.21	4	25	13.16
Kew Park	17.63	2.90	21	19	13.47
Lamb's River	21.99	2.72	13	22	..
Little London	9.24	3.45	21	13	10.51
Masemure	10.96	2.77	21	20	..
Meyersfield	7.40	2.20	21	14	..
Midgham	13.98	2.95	28	20	..
Mint	14.63	2.56	4	22	..
Mount Eagle	15.99	2.78	4	24	..
Mount Edgecombe	5.41	2.04	21	13	8.18
Negril Pt. Lighthouse	8.01	1.47	21	14	6.22
New Market	11.85	2.30	28	12	13.50
Paul Island	9.09	2.32	21	17	..
Petersfield	14.85	2.50	30	11	..
Petersville	6.95	2.03	28	8	11.18
Prospect	15.31	2.93	14	24	..
Rat Trap	17.22	5.07	16	14	..
Retreat Estate	8.87	2.44	21	18	8.95
Retrieve	8.27	2.80	21	22	..
Sav.-la-Mar	9.77	2.24	4	12	8.49
Sheffield	13.95	2.89	21	23	..
Shrewsbury	8.35	2.52	15	20	..
St. Leonards	18.17	3.50	30	15	..
The Bog	3.94	1.30	17	7	14.29
Water Works Farm	7.83	2.04	28	17	12.23
Welch Pole	25.74	4.15	14	19	..
Whithorn	9.37	1.64	28	14	13.74
Williamsfield	14.55	2.05	1	18	..

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 eintirely 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 rainfall 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 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 1948 is also compared with the averages.

Comparative Table of Rainfall Means—May, 1948

Parish	Rainfall for May			Rainfall, Jan.–May	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	16.46	10.10	19.5	28.43	25.19
St. James	11.67	8.36	14.3	22.08	21.12
Trelawny	9.07	8.56	12.4	18.98	22.81
St. Ann	12.74	7.64	13.2	29.22	23.77
St. Mary	16.15	9.01	11.3	37.28	30.47
Portland	15.56	13.14	14.0	47.64	47.73
St. Thomas	10.60	6.75	12.8	25.55	18.92
Kingston and St. Andrew	13.60	7.18	10.6	21.24	18.01
*Kingston	8.53	2.52	6.9	9.84	5.52
St. Catherine	14.29	7.81	12.5	26.16	19.41
Clarendon	13.81	8.49	11.4	23.53	19.45
Manchester	11.14	8.46	9.3	20.88	22.91
St. Elizabeth	7.84	8.87	8.7	17.55	24.43
Westmoreland	12.28	11.16	16.3	22.49	28.77
The Island	12.63	8.43 "70-Year"† 8.89	12.7 "45-Year" 12.0	26.15	23.46 "70-Year" 24.54

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

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

The May Rainfall

The Island rainfall average of 12.63 inches was 150% of the normal rainfall for the month. Only one Parish St. Elizabeth, with a rainfall of 7.84 inches reported less than the average. The wettest Parishes were Hanover and St. Mary, where more than an average of 16 inches were recorded.

The heaviest falls of rain occurred during the last ten days of the month. Castleton Gardens, St. Mary, recorded the highest daily rainfall of 15.50 inches on 21st, but many Stations in all Parishes except the extreme south-east of the Island recorded daily falls exceeding 8 inches.

The City of Kingston

The temperatures in Kingston were about average for the time of the year, with a mean temperature of 81.5° F. On fourteen days the mercury rose to over 90° it being warmer during the first half of the month. Mean relative humidities were a little over normal.

The prolonged drought since mid-January was broken on 21st to 25th when over 7 inches of rain fell in the city. Thunderstorms approached Kingston on 25th and 31st whilst lightning was observed from Palisadoes on 7th and 8th.

Sunshine—May 1948

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

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.10	.49	.33	.57
7–8 "	.68	.67	.65	.64
8–9 "	.70	.68	.75	.71
9–10 "	.75	.73	.76	.86
10–11 "	.69	.68	.72	.78
11–12 noon	.63	.57	.59	.71
12–1 p.m.	.56	.59	.51	.71
1–2 "	.59	.55	.50	.70
2–3 "	.47	.49	.40	.61
3–4 "	.36	.40	.32	.57
4–5 "	.27	.34	.36	.40
5–6 "	.20	.25	.22	.30
Total	6.02	6.45	6.11	7.80
Percentage	46%	50%	47%	60%
No. of days over 10 hours	3	5	3	11
Cloudiest day	27	22	22	22
	0.0 hrs.	0.0 hrs.	0.1 hrs.	0.0 hrs.

Evaporation

Hope Ag. Station	5.39 inches
Negril Point Lighthouse	5.53 inches

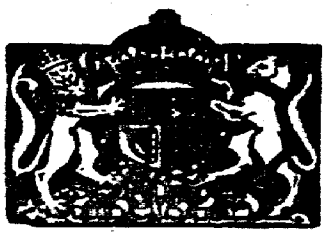
Earthquakes

Date	Time	Intensity	Where felt, etc.
17th	4.20 a.m.	Slight	Iver, St. Andrew

W. J. Fowler,
Air Ministry Meteorological Officer,
Jamaica Government Meteorologist.

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

No. 865



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JAMAICA
WEATHER REPORT
FOR THE MONTH OF
JUNE, 1948

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 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 mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at medium 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	..	..	70.8	84.4	..	86.8	66.1	20.7	89.9	30	63.9	30	26.0	..
Grove Place A.C.	1,460	..	..	71.9	78.4	..	83.6	66.1	17.5	86.8	25	59.6	14	27.2	7.3
Hill Gardens	4,900	..	..	62.5	68.6	..	73.2	59.8	13.4	78.0	*12	57.5	12	20.5	..
Hope Laboratory	668	..	..	75.7	86.2	..	89.9	69.8	20.1	94.9	30	67.1	14	27.8	8.2
Kingston	80	..	..	78.5	86.3	..	89.8	74.9	14.9	93.0	23	72.0	2	21.0	..
Lorrimers	2,700	..	..	70.2	..	..	80.8	66.2	14.6	84.0	*20	63.0	21	21.0	..
Morant Pt. Lighthouse	8	29.956	29.963	81.0	84.2	80.8	86.0	77.3	8.7	87.0	*9	71.0	2	16.0	..
Negril Pt. Lighthouse	33	29.930	29.929	78.5	86.7	80.5	88.3	71.2	17.1	91.0	22	70.0	*7	21.0	..
Orange River Exp. St.	450	..	..	74.7	82.2	..	86.3	70.9	15.4	89.0	29	66.7	21	22.3	7.7
Palisadoes Airport	19	29.950	29.943	81.3	86.0	82.8	87.5	77.9	9.6	90.0	*23	74.0	2	16.0	9.1

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	67	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	70	93	71	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	59	84	65	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	72	86	72	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	72	79	75	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	68	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	76	84	77	79	76	85	SE	10	SE	10	ESE	10	5.0	6.7	6.2	7.7	5.5	5.9
Negril Pt. Light Hs.	72	81	74	66	74	82	E	2	SE	10	E	2	2.0	5.3	3.6	5.7	6.4	7.9
Orange River Ex. St.	73	94	74	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	72	74	75	70	74	73	ESE	5	SE	18	ESE	15	1.0	5.5	1.9	4.2	1.9	5.2

*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, 1948				
	Total Fall	Greatest fall in 24 hours: Amount	Greatest fall in 24 hours: Date	Rain Days	Average
	Ins.	Ins.			Ins.
Hanover					
Askenish	22.43	4.65	1	19	15.49
Blenheim	22.77	9.83	1	13	..
Blue Hole	11.82	3.25	1	16	10.74
Cascade	22.37	4.32	1	20	..
Copse	14.96	2.23	1	30	9.06
Cousins Cove	14.48	4.93	2	22	10.77
Green Island	11.33	2.80	1	19	11.23
Green River	22.25	7.45	1	15	..
Haughton Court A.C.	22.63	9.20	1	14	8.25
Haughton Grove	11.19	2.94	2	18	9.28
Haughton Hall	11.85	3.12	2	21	9.72
Hopewell	9.59	3.15	1	14	..
Kendal	20.19	6.83	1	18	..
Kingsvale	10.85	3.72	1	16	10.98
Lucea	23.38	9.20	1	16	7.90
Retirement	17.56	6.17	2	17	..
Santoy L.S.	18.38	6.76	1	16	..
Shettlewood	10.97	3.02	2	18	..
St. James					
Adelphi	12.77	4.23	4	9	..
Anchovy	9.95	2.49	1	15	6.58
Cambridge	12.55	3.34	1	11	10.70
Catadupa	13.96	3.42	1&2	17	10.41
Cinnamon Hill	7.51	2.15	1	10	3.00
Cornwall Works	10.33	2.66	1	10	..
Friendship	11.34	2.77	9	16	7.46
Irwin A.C.	10.39	2.58	1&9	18	5.88
Kempshot	11.10	1.87	1	17	8.65
Lapland	14.71	3.69	1	17	..
Latium L.S.	9.15	1.83	4	15	8.10
Maldon	11.51	3.17	1	19	..
Mocho	20.46	5.28	1	15	12.55
Montego Bay	10.39	2.20	1	15	6.22
Montpelier	9.89	2.90	1	21	7.40
Retirement	12.54	3.06	9	17	7.66
Richmond Hill	13.43	2.75	1	15	..
Rose Hall	6.53	2.25	1	10	2.96
Running Gut	7.40	2.61	1	9	3.02
Spring Estate	6.22	2.20	1	8	2.63
Success	8.49	2.73	1	10	2.52
Sweetwater	15.36	3.94	1	15	..
St. James, *contd.*					
Tryall	6.31	2.05	1	8	4.84
Vaughansfield	14.91	5.07	1	9	..
Windsor Lodge	12.77	4.23	4	9	..
Trelawny					
Albert Town	6.89	2.35	2	9	5.57
Arcadia	7.83	3.00	1	10	3.90
Clarks Town	7.07	2.96	1	8	5.02
Duncans	7.95	2.80	1	9	3.96
Falmouth	4.11	1.70	1	7	2.68
Harmony Hall	8.05	3.53	1	9	2.86
Hyde and Gibraltar	7.27	3.50	1	8	..
Litchfield	7.98	2.48	4	10	..
Lorrimers	11.34	4.70	2	9	..
Reserve Pen L.S.	2.60	.70	19	6	..
Stewart Town	6.52	1.91	2	11	..
Troy	8.32	2.95	2	12	8.13
Troy L.S.	7.95	3.08	2	10	..
Ulster Spring	8.21	2.30	2	9	6.57
Vale Royal	8.00	3.21	1	8	4.09
Wait-a-bit	9.14	4.37	2	11	..
Wakefield	7.92	3.32	1	9	6.83
Warsop	7.55	2.74	2	9	6.35
St. Ann					
Alexandria	8.48	3.17	2	7	4.09
Armadale	11.20	3.68	2	9	..
Averham Park	15.32	3.68	3	12	4.86
Bel-Air	7.55	2.20	2	10	4.04
Beverly L.S.	5.75	1.75	1	11	..
Brown's Town	9.66	2.32	4	11	3.91
Cave Valley	11.25	3.61	2	16	7.15
Chippenham Park	7.75	..	..	13	..
Claremont	11.47	2.98	1	13	5.07
Cuffie Ridge	12.91	5.19	2	12	..
Eltham	10.38	4.37	2	10	..
Exchange	5.23	1.50	1	10	..
Greenock	13.03	3.80	2	16	..
Home Castle	8.33	3.00	2	10	3.84
Knapdale	7.56	2.10	2	9	4.94
Liberty Hill	6.25	1.92	1	11	3.31
Moneague	9.11	5.03	2	9	7.19
New Ground A.C.	8.76	2.00	3	11	..
Ocho Rios	11.58	3.91	2	11	3.45
Queen Hythe L.S.	5.68	2.85	1	7	..
Richmond Estate	5.76	1.95	1	10	3.94
Richmond Pen L.S.	7.44	2.45	2	9	4.55
Rio Hoe	11.27	5.13	2	13	7.21
Rockfield	11.70	3.52	3	15	3.32
Runaway Bay	4.26	1.60	1	7	2.05
Rural Retreat	9.75	3.90	2	10	..
St. Ann's Bay	5.98	2.05	1	10	3.72
Stepney	19.69	2.45	1	13	..
Thatchfield L.S.	5.92	2.43	1	13	..
Unity	11.31	5.79	2	14	7.68
Watt Town	11.83	4.00	4	9	4.01
Wilton	3.70	1.41	1	4	..

Stations	June, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Mary					
Agualta Vale	11.29	3.50	2	11	3.58
Bundo L.S.	7.70	2.17	2	11	..
Castleton Gardens	17.24	7.10	2	12	9.18
Devon Pen L.S.	13.01	4.88	2	12	..
Dover A.C.	10.66	3.13	2	12	4.75
Enfield	10.93	3.21	3	14	4.82
Fort Stewart	9.95	2.92	2	14	..
Fort Stewart L.S.	14.50	3.41	5	16	..
Gibraltar	6.26	1.70	2	11	..
Golden Grove East	7.46	2.20	1	11	..
Golden Grove West	7.91	2.35	1	11	..
Gray's Inn Cen. Fact.	11.01	3.26	2	15	..
Guy's Hill	13.40	4.61	2	15	5.81
Hampstead	12.65	3.50	8	12	3.90
Highgate	17.05	2.85	2	13	..
Iter Boreale	8.64	2.55	2	14	..
Jack's River	8.46	2.30	2	15	..
Lady Hole	11.30	4.03	2	12	..
Lower Esher	6.72	2.12	1	9	..
Lucky Hill	8.32	3.73	2	8	4.70
Lucky Hill Pen	10.31	3.67	2	11	..
Newry	8.04	3.42	2	15	..
Nutfield A.C.	7.04	2.17	1	19	..
Oracabessa	6.20	1.50	2	12	5.30
Orange River	9.82	3.34	2	13	..
Platfield	12.70	5.22	2	12	..
Port Maria	8.26	2.04	1	12	4.69
Prospect Estate	8.98	..	..	..	..
Quebec	11.75	2.50	2	12	4.28
Retreat	8.70	2.28	2	15	..
Richmond	10.37	3.45	2	11	5.03
Warwick Castle	7.61	3.92	2	11	..
Water Valley	8.03	3.30	2	12	4.04
Western St. Mary	8.28	2.55	1	9	..
Windsor Castle	10.48	4.88	2	9	5.81
Portland					
Balcarres	10.86	3.56	2	13	2.49
Belle Vue	14.24	3.10	2&18	15	..
Belvedere	11.75	3.06	2	16	2.81
Boundbrook L.S.	14.48	2.44	1	22	..
Bruton Hall	17.86	4.00	19	18	..
Buff Bay	10.35	2.40	1	14	6.26
Bybrook	15.49	3.70	5	18	..
Caenwood A.C.	N/A	..	..	..	..
Castle Comfort	10.37	2.77	1	17	..
Cedar Hurst	13.24	6.00	2	16	6.14
Chepstowe	15.66	5.25	2	13	..
Darley	15.87	4.40	1	26	..
Ecclesdown	14.40	3.00	28	19	..
Fellowship	22.40	5.80	1	22	16.86
Fruitful Vale	17.65	3.90	1	11	..
Hope Bay	13.56	3.30	1	14	8.33
Lennox	16.80	5.50	2	11	6.23
Manchioneal	10.25	3.90	1	8	8.30
Mill Bank	25.01	6.25	1	21	20.91
Moore Town	18.21	5.16	1	21	18.70
Mt. Holstein	9.42	3.46	3	14	5.73
Mt. Pleasant	16.63	5.15	1	18	..
Passley Garden	15.70	..	..	..	13.34

Stations	June, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Portland, *contd.*					
Plum Valley	18.58	2.96	1	15	..
Port Antonio	17.65	4.88	1	20	14.38
Priestman's River	10.58	2.30	18	13	9.20
Shrewsbury	21.25	5.67	1	17	17.08
Spring Garden	5.19	1.35	28	11	4.32
Windsor A.C.	24.20	8.10	1	20	..
St. Thomas					
Barrett's Gap	19.16	5.68	1	19	..
Bath	15.99	4.10	1	21	11.60
Bowden Pen	19.59	5.10	1	17	..
Cedar Valley	20.00	7.67	1	17	11.38
Citron Valley L.S.	10.86	4.49	1	12	..
Clifton Hill	14.58	4.80	1	21	..
Coley	15.00	7.40	1	13	11.96
Duckenfield	8.54	3.04	1	16	..
Easington	13.89	7.10	1	13	7.57
East Prospect	12.02	6.45	1	18	7.37
Golden Grove J.S.E.	13.13	4.25	2	18	..
Llandewey	7.25	3.25	2	5	..
Lloyds	14.30	7.25	1	13	..
Morant Bay	16.26	9.45	1	14	7.99
Morant Point Light Hs.	8.22	4.01	1	17	5.70
Mount Mansfield	17.42	4.55	1	20	..
Norris	13.89	7.15	1	11	..
Plantain Garden River	19.64	4.72	1	23	..
Pleasant Hill	12.85	4.50	1	14	6.99
Rowlandsfield L.S.	14.85	4.28	1	16	..
Seaforth	16.76	7.30	1	20	..
Spanishwood	7.92	2.45	1	15	..
Sunning Hill L.S.	19.36	5.80	1	13	..
Wheelerfield	15.81	4.37	1	17	..
Yallahs	15.44	7.88	1	10	8.21
Kingston and St. Andrew					
Bamboo Avenue	13.25	7.09	1	9	..
Brandon Hill	12.00	4.14	2	6	..
Cavaliers	12.01	6.24	1	8	..
Clifton Pen	13.35	6.52	1	7	3.75
Constant Spring F.P.	11.21	5.09	1	12	..
Constant Spring Ch. Rd.	10.65	5.13	1	7	..
Dallas Castle	10.12	8.05	1	3	6.67
Fort George	11.49	4.26	1	14	..
Golden Spring	13.29	5.20	2	8	..
Gordon Town	14.78	8.64	1	2	4.80
Grey Weathers	11.86	..	..	..	..
Guava Ridge	12.72	6.90	1	5	6.55
Halfway Tree	13.78	6.40	2	4	3.46
Harbour Head	12.50	9.12	1	7	..
Hardware Gap P.W.D.	17.22	5.22	1	14	7.17
Hermitage	14.00	5.57	2	18	6.74
Hill Gardens	16.58	7.25	1	12	6.69
Hope Farm Ag. Stn.	6.60	3.66	1	3	4.71
Hope Laboratory	11.95	6.80	1	9	..
Hope Waterworks	8.49	4.15	1	8	..
Irish Town	14.41	7.50	1	4	4.48
Iver	10.95	5.61	1	12	..
King's House Gardens	13.64	6.58	1	7	3.85

Stations	June, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Langley	15.95	5.23	2	11	..
Lawrence Tavern	13.66	5.07	2	10	6.61
Mavis Bank	11.31	6.18	1	8	6.55
Mount Airy	13.44	4.37	2	10	..
Mount Cressy	14.24	4.25	2	15	..
Mount Salus	10.54	6.90	2	5	..
Newcastle	13.72	5.52	3	12	..
Penfield Water Works	12.79	5.74	1	7	..
Red Hills	12.74	6.03	2	10	5.55
Rose Hill	10.68	4.97	2	14	6.17
Seaview F.P.	11.23	4.57	1	14	..
Shortwood College	10.35	4.86	1	10	..
Stony Hill	12.14	4.55	1	10	6.52
Twickenham Pen	9.27	4.07	1	5	..
Up Park Camp	12.26	7.35	1	5	..
Kingston					
Kingston P.W.O.	10.44	5.89	1	5	3.08
Palisadoes	11.35	7.52	1	6	..
Parade Gardens	9.28	4.19	1	7	..
Plumb Pt. Lighthouse	10.36	6.40	1	5	4.04
St. George's College	11.27	6.83	1	6	..
Upper Kingston	12.23	6.85	1	7	2.78
St. Catherine					
Above Rocks	10.48	4.50	2	7	..
Barry & Lloyds L.S.	9.98	5.50	2	7	..
Bellas Gate	8.23	4.60	2	8	4.59
Bog Walk	9.66	2.05	26	11	7.37
Brown's Hall	6.74	2.50	2	9	9.18
Carew Castle	17.23	5.73	2	11	8.27
Ewarton	9.36	4.52	2	10	..
Ginger Ridge	11.05	3.50	2	18	..
Glengoffe	14.92	5.50	2	11	..
Grove Farm A.C.	6.64	3.64	2	2	..
Guanaboa Vale	3.60	1.50	2&3	4	6.12
Headworks	9.62	5.40	2	4	4.61
Hematine	7.49	4.00	2	7	2.97
Hog Hole	8.86	4.96	2	3	4.46
Knollis	16.42	5.28	2	11	8.69
Linstead	15.59	5.13	2	13	7.36
Old Harbour	7.58	4.66	2	7	5.37
Pear Tree Grove	9.96	4.30	2	8	6.59
Point Hill	17.07	4.93	2	14	8.46
Quarantine Station	8.75	4.09	1	5	2.88
Rio Magno	9.07	4.25	2	9	6.59
Riversdale	12.85	4.30	2	9	10.25
Sligoville	13.70	5.18	2	17	8.01
Spanish Town	9.88	5.33	2	5	5.68
Troja	10.57	5.00	2	10	8.41
Troja L.S.	10.24	4.05	2	9	..
Tulloch Estate	14.91	4.03	2	14	..
Twickenham A.C.	8.49	4.64	2	2	..
Worthy Park	13.30	4.77	2	12	6.77
Clarendon					
Amity Hall	6.53	3.40	2	4	..
Beauchamp	4.59	1.95	2	7	..
Belle Plain	10.75	4.95	2	8	7.50
Bog	6.19	4.03	2	5	..
Brixton Hill	10.82	4.10	2	6	..

Stations	June, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Building	5.97	2.95	2	6	..
Bull Head	12.48	4.20	2	16	..
Carlisle	6.07	2.94	2	7	..
Clarendon Park J.G.R	6.08	4.10	2	5	..
Chapelton	9.81	2.96	2	16	6.22
Colonel's Ridge	12.67	3.97	2	14	..
Cottage	5.87	2.75	1	5	6.23
Cotton Tree Gully	5.78	3.10	2	5	..
Croft's Hill	13.07	4.45	1	11	5.03
Crooked River	12.84	4.18	2	19	7.27
DaCosta	5.41	1.92	1	6	..
Douce Pennants	14.76	5.00	2	16	..
Exeter	4.93	2.72	2	4	7.72
Frankfield	12.98	4.49	1	16	6.78
Gibbons	5.07	2.85	2	3	..
Glen Muir	6.38	3.85	2	4	4.74
Grimmetts	6.04	3.32	2	4	..
Hillside	7.29	3.94	2	7	8.76
James Hill	8.97	2.10	1	12	..
Kellits	12.12	4.76	2	14	..
Knights	3.67	2.27	1	5	..
May Pen	5.44	3.39	2	5	5.28
Milk River	7.51	3.86	2	3	5.43
Morelands	5.03	2.42	2	5	3.25
Peckham L.S.	13.56	4.50	1	18	..
Pennants	10.38	3.20	2	17	..
Pusey Hall	5.62	2.40	2	6	..
Rock River	9.77	5.50	2	9	6.14
Salt Savannah	4.23	1.80	2	6	..
Silent Hill	11.10	5.40	2	8	..
Spaldings	13.47	7.70	2	9	6.08
Springfield	5.91	2.96	2	5	8.60
Suttons J.G.R.	7.07	2.73	2	9	6.58
Suttons W.I.S.C.	2.28	2.02	1	2	..
Teak Pen L.S.	7.18	3.74	2	6	..
Thompson Town	16.15	5.60	2	14	..
Trout Hall	14.23	4.50	1	25	5.62
Tweedside	11.60	4.40	1	9	..
Manchester					
Alligator Pond	0.80	0.80	15	1	4.02
Christiana	14.45	6.12	2	14	6.23
Chudleigh	15.37	6.25	2	14	4.92
Cocoawalk L.S.	1.29	.55	14	3	..
Craig Head	13.64	4.37	2	7	..
Downs	6.49	3.55	2	3	..
Garlogie	16.97	6.20	1	14	..
Greenvale	14.21	6.95	2	12	6.54
Grove Place	12.36	6.80	2	16	..
Holmwood	9.64	3.72	2	11	..
Hope	13.19	9.21	2	12	..
Kendal	12.58	4.67	2	13	7.49
Mandeville	12.11	4.70	2	10	8.45
Mandeville (Manch. Hot)	11.22	4.72	2	11	..
Mile Gully	11.61	4.69	2	7	..
New Forest L.S.	4.07	2.00	1	4	..
Newport	9.53	5.30	2	7	7.50
Porus	13.65	4.87	2	9	..
Ramble	8.35	4.40	2	6	..
Retrieve	9.54	4.60	2	5	4.12
Stones Hope	11.64	5.27	2	9	7.7
Williamsfield	13.86	5.03	1	11	10.39

Stations	June, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	10.76	3.24	2	12	..
Accompong	11.08	3.02	2	17	..
Appleton	12.23	3.66	2	11	6.90
Balaclava	10.10	2.85	2	7	4.89
Bartons	14.94	3.73	2	8	..
Black River	7.68	3.85	1	4	3.73
Braes River	6.81	4.38	2	6	..
Bull Savannah	8.73	5.12	2	4	..
Fort Charles	7.64	4.24	2	2	2.85
Ginger Hill	16.00	2.87	17	15	..
Gutters	7.25	4.35	2	3	..
Hodges Estate	8.81	3.13	2	12	..
Holland Estate	11.80	4.40	2	9	..
Hounslow	4.71	3.37	2	4	..
Ipswich	15.42	3.42	2	14	..
Lacovia	10.79	3.49	2	8	6.75
Lititz	6.49	3.55	2	3	..
Maggotty	14.91	3.64	1	13	6.91
Malvern	6.71	4.71	2	7	..
Middle Quarters	12.63	3.54	2	13	..
Mount Charles	15.23	6.10	2	16	..
Mulgrave	18.89	3.85	2	18	..
Munro	9.47	5.23	2	12	6.11
Myersville	1.82	1.30	2	5	..
Pedro Plains	5.22	2.70	2	5	2.59
Quickstep	12.45	1.55	17	13	..
Santa Cruz	6.45	3.40	2	7	5.25
Southfield	8.75	5.35	2	3	..
Springfield	16.46	3.36	1	10	..
Springvale	14.90	3.79	1	17	..
Torrington	6.77	4.40	2	4	3.62
Treasure Beach	5.39	2.81	2	5	..
Williamsfield	6.92	4.24	2	5	..
Windsor	6.65	4.22	2	9	5.84
Yardley Chase	3.80	2.10	4	2	..

Stations	June, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland					
Barham	14.94	4.71	1	18	..
Bath Pen	16.25	5.41	2	12	..
Baulk	15.03	4.68	1	17	..
Belle Isle	17.19	4.34	1	18	9.51
Bethel Town	12.00	4.10	1	12	11.76
Blue Castle	14.06	4.57	1	18	..
Bluefields	15.23	4.81	2	13	9.28
Cornwall	14.98	5.10	2	16	..
Darliston	22.60	2.74	26	18	10.82
Fontabelle	13.83	3.80	2	17	10.09
Friendship	13.00	3.76	2	17	..
Frome	13.27	3.80	1	18	..
Grange Hill	15.36	5.76	1	16	11.25
Kew Park	11.25	4.17	1	11	9.36
Lamb's River	16.23	4.38	2	13	..
Little London	15.77	5.00	2	12	9.08
Masemure	15.04	4.17	2	16	..
Meyersfield	13.24	4.62	2	14	..
Midgham	17.67	5.13	2	14	..
Mint	16.59	3.80	1	18	..
Mount Eagle	12.54	3.00	1	18	..
Mount Edgecombe	16.62	5.14	1	16	6.37
Negril Point L.H.	8.69	3.07	2	16	5.60
New Market	21.73	4.48	1	12	8.61
Paul Island	13.40	4.13	2	12	..
Petersfield	19.40	5.80	2	14	..
Petersville	12.50	3.05	6	9	7.62
Prospect	14.00	4.28	1	20	..
Rat Trap	14.23	5.10	3	11	..
Retreat Estate	20.44	7.10	1	13	7.38
Retrieve	14.05	4.50	2	15	..
Sav.-la-mar	14.26	6.21	2	13	6.53
Sheffield	23.44	4.45	2	25	..
Shrewsbury	15.99	5.20	2	20	..
St. Leonard's	12.46	3.66	1	9	..
The Bog	9.36	3.20	2	7	8.62
Water Works Farm	19.79	5.80	2	19	9.23
Welch Pole	15.55	4.60	2	14	..
Whithorn	11.87	6.31	2	9	10.63
Williamsfield	13.02	2.40	2	15	..

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 rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

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

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

The following table shows the rainfall for parishes and Island, compared with the long-term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 6 months of 1948 is also compared with the averages.

Comparative Table of Rainfall Means—June, 1948

Parish	Rainfall for June			Rainfall, Jan.—June	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches
Hanover	16.15	10.50	17.2	44.58	35.69
St. James	11.64	6.87	14.2	33.72	27.99
Trelawny	7.42	5.08	9.2	26.40	27.89
St. Ann	9.83	4.18	11.0	39.05	27.95
St. Mary	10.13	4.85	12.3	47.41	35.32
Portland	15.57	9.06	16.7	63.21	56.79
St. Thomas	14.43	9.85	15.1	39.98	28.77
Kingston and St. Andrew	12.09	5.34	8.0	33.33	23.35
*Kingston	10.83	3.74	5.9	20.67	9.26
St. Catherine	10.77	5.98	9.1	36.93	25.39
Clarendon	9.88	5.95	10.8	33.41	25.40
Manchester	9.73	6.72	7.4	30.61	29.63
St. Elizabeth	9.55	5.04	8.5	27.10	29.47
Westmoreland	15.16	8.89	14.4	37.65	37.66
The Island	11.69	6.58 "70-Year" 6.91	11.8 "45-Year" 10.5	37.84	30.04 "70-Year" 31.45

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

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

The June Rainfall

The heavy and widespread rains of the latter part of May continued into the first part of June, when all Parishes experienced considerably heavier than average falls. The average for the Island of 11.69 inches was 177% of the 20-year normal and it is worthy of note that the falls in Portland, Kingston, St. Elizabeth and Westmoreland were greater than during May, a month of secondary maximum in these areas. In St. Thomas the June rainfall was also higher than in May as is usual for this Parish.

Hanover, Portland and Westmoreland recorded the highest figures, each being greater than 15 inches. Kingston with 10.83 inches had almost three times the normal rainfall of 3.74 inches.

The highest monthly total of 25.01 inches was recorded at Mill Bank in Portland but many Stations in the north and west of the Island reported over 20 inches.

Sunshine

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

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.28	.56	.52	.64
7–8 "	.75	.85	.74	.84
8–9 "	.85	.89	.84	.92
9–10 "	.86	.84	.84	.86
10–11 "	.84	.82	.74	.82
11–12 noon	.78	.74	.74	.82
12–1 p.m.	.77	.69	.69	.83
1–2 "	.74	.69	.61	.83
2–3 "	.58	.61	.55	.73
3–4 "	.29	.62	.52	.71
4–5 "	.26	.49	.50	.67
5–6 "	.23	.39	.37	.47
6–7 "	.02	..	..	..
Total	7.25	8.19	7.66	9.14
Percentage	55%	62%	58%	69%
No. of days over 10 hours	3	11	11	18
Cloudiest day	1st (0.0 hrs.)	1st (0.0 hrs.)	1st (0.0 hrs.)	1st (0.0 hrs.)

Evaporation

Hope Ag. Station	6.06 inches
Negril Point Lighthouse ..	4.18 inches

Note on Heavy Rains 20th May to 4th June, 1948

Cold air moving southeastwards from the United States during mid-May penetrated almost as far as Jamaica by the 20th. Its position was marked by cloudy weather accompanied by rain. In the meantime warm, unstable air was being drawn into the Caribbean across the Isthmus of Panama to the south of the advancing cold air. Secondary depressions formed along the boundary separating the two airstreams, and the circulation set up caused the warmer Caribbean air to be forced up over the colder air to the North. The line where the two airstreams met remained in the vicinity of Jamaica for many days causing heavy rain and low cloud until the last of the secondary depressions moved away over Cuba and out into the Atlantic.

Earthquakes

None reported this month.

Tropical Disturbances

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

City of Kingston

The outstanding feature was the heavy rains during the first four days of the month, when 11 inches fell on the City. The rainfall on 31st May to 1st June was 6.83 inches, the heaviest daily fall since 1905. Between 20th May and 4th June over 19 inches of rain was recorded at St. George's College, which equals about 2/3 the long-term normal rainfall for the area for a year.

Temperatures were a little above normal and over 90° F was recorded on 16 days. Warm spells occurred from 22nd to 24th and from 27th to 30th.

Thunderstorms were observed from Palisadoes on 12 days whilst the wind gusted to over 40 m.p.h. on 6th 21st, 24th and 28th. (No records available 1st-4th as the heavy rains put the instrument out of action temporarily)

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Jamaica Government Meteorologist

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

DEC 2 9 1948

No. 866

JAMAICA
WEATHER REPORT
FOR THE MONTH OF
JULY, 1948

MONTHLY CLIMATOLOGICAL MEANS

NOTES:—The Barometric Pressures at 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 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 mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The 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	..	..	72.0	84.3	..	88.1	68.5	19.6	91.0	*15	64.4	14	26.6	..
Grove Place A.C.	1460	..	..	72.0	79.1	..	85.1	65.2	19.9	90.6	25	61.5	3	29.1	6.8
Hill Gardens	4900	..	..	62.5	70.1	..	74.0	60.2	13.8	78.0	25	58.5	13	19.5	..
Hope Laboratory	668	..	..	75.0	87.6	..	91.0	70.3	20.7	94.4	3	67.8	15	26.6	7.5
Kingston	80	..	..	79.5	87.8	..	90.9	75.6	15.3	95.4	1	72.6	15	22.8	..
Lorrimers	2700	..	..	70.5	..	..	82.0	66.0	16.0	86.0	24	61.0	25	25.0	..
Morant Pt. Light Hs.	8	29.968	29.965	81.2	84.5	82.1	86.5	78.2	8.3	89.0	*25	73.0	14	16.0	..
Negril Pt. Light Hs.	33	29.937	29.937	77.5	86.1	80.7	88.8	71.2	17.6	91.0	18	69.0	4	22.0	..
Orange River Ex. St.	450	..	..	74.2	84.2	..	87.8	70.6	17.2	91.0	22	66.4	11	24.6	8.3
Palisadoes Airport	19	29.956	29.966	81.1	87.2	84.0	88.6	76.8	11.8	91.0	*1	74.0	*13	17.0	8.6

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	69	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	69	89	70	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	58	85	63	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	70	83	71	59	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	71	76	75	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	69	93	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	77	86	77	79	76	83	E	9	SE	9	E	9	4.7	6.9	4.3	6.4	4.7	6.2
Negril Pt. Light H.	72	83	75	70	75	82	E	3	S	7	NE	4	1.0	5.0	4.2	6.5	4.9	6.6
Orange River Ex. St.	73	94	73	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	71	73	74	66	73	70	ESE	6	SE	17	ESE	12	0.6	4.5	1.4	5.1	1.4	5.7

*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. daily and recorded, by convention as having fallen on the previous day.

Stations	July, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	11.60	1.30	4	17	10.21
Blenheim	9.23	2.72	22	19	..
Blue Hole	6.74	1.41	16	16	6.02
Cascade	8.56	1.54	20	18	..
Copse	0.58	.19	1	9	7.54
Cousin's Cove	6.41	2.47	22	23	9.27
Green Island	7.95	1.97	22	16	9.01
Green River	9.90	1.40	28	12	..
Haughton Court A. C.	6.19	1.94	13	14	4.99
Haughton Grove	9.38	2.02	5	14	8.58
Haughton Hall	10.38	1.91	22	21	8.37
Hopewell	1.38	0.47	28	6	..
Kendal	14.50	1.83	28	17	..
Kingsvale	6.24	1.00	22&28	18	9.33
Lucea	4.80	0.79	22	10	5.18
Retirement	12.52	1.55	31	16	..
Santoy L. S.	12.43	1.83	28	16	..
Shettlewood	7.51	1.77	16	15	..
St. James					
Adelphi	6.87	3.77	6	8	..
Anchovy	2.70	.62	7	8	4.80
Cambridge	11.72	2.07	31	14	9.29
Catadupa	8.39	1.44	21	19	9.28
Cinnamon Hill	1.63	1.20	28	5	1.30
Cornwall Works	2.08	1.19	28	4	..
Friendship	4.53	1.62	6	11	4.14
Irwin A. C.	5.11	2.00	6	10	3.77
Kempshot	5.96	1.08	28	14	5.83
Lapland	9.14	1.66	21	19	..
Latium L. S.	5.38	1.85	6	14	5.47
Maldon	10.81	1.50	4	14	..
Mocho	10.90	1.70	9	19	11.05
Montego Bay	2.74	1.34	25	5	3.34
Montpelier	5.01	1.02	21	15	6.12
Retirement	6.30	2.36	28	14	4.74
Richmond Hill	4.70	1.05	21	10	..
Rose Hall	2.20	1.72	28	5	1.26
Running Gut	2.10	.98	28	3	1.32
Spring Estate	.60	.80	6	4	1.44
Success	2.20	1.65	28	4	1.34
Sweetwater	9.51	1.28	11	15	..
Tryall	1.44	0.82	6	3	3.16
Vaughansfield	N.A.	..	..	..	..
Windsor Lodge	6.87	3.77	6	8	..

N.A. "Not available

Stations	July, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Trelawny					
Albert Town	6.48	2.70	10	8	5.06
Arcadia	1.00	0.45	22	4	2.23
Clark's Town	2.68	0.76	20	5	4.10
Duncans	1.46	1.31	22	2	2.45
Falmouth	1.05	0.60	7	2	1.53
Harmony Hall	1.74	0.52	22	9	1.60
Hyde and Gibraltar	3.40	1.45	22	5	..
Lichfield	3.38	1.26	29	7	..
Lorrimers	3.12	1.61	10	6	..
Reserve Pen, L.S.	1.50	.50	6	4	..
Stewart Town	2.52	.81	31	10	..
Troy	5.82	1.86	26	5	6.90
Troy Land Settlement	7.48	1.82	26	7	..
Ulster Spring	9.39	4.15	10	10	5.41
Vale Royal	1.43	.67	22	7	2.71
Wait-a-bit	2.98	1.15	10	9	..
Wakefield	4.72	1.65	22	5	5.47
Warsop	4.00	2.25	10	5	7.15
St. Ann					
Alexandria	2.62	1.05	10	5	2.76
Armadale	3.09	0.68	10	9	..
Averham Park	1.18	0.63	16	5	3.05
Bel-Air	2.10	0.60	16	10	2.26
Beverley L. S.	2.03	1.35	14	4	..
Brown's Town	.92	0.37	2	5	2.51
Cave Valley	4.49	0.80	29	14	4.61
Chippenham Park	2.07	..	..	13	..
Claremont	1.71	0.42	28	8	3.29
Cuffie Ridge	1.59	0.50	29	5	..
Eltham	0.80	0.35	2	4	..
Exchange	0.50	0.30	20	3	..
Greenock	4.49	0.82	29	15	..
Home Castle	0.10	0.10	13	1	2.39
Knapdale	1.64	0.50	28	8	3.65
Liberty Hill	0.80	0.30	15&17	4	1.92
Moneague	4.66	0.83	16	11	4.58
New Ground A. C.	1.16	0.70	14	5	..
Ocho Rios	1.43	0.30	1&13	7	2.36
Queen Hythe L. S.	0.00	..	..	0	..
Richmond Estate	2.13	0.42	14	11	2.14
Richmond Pen, L.S.	5.30	1.78	16	10	2.89
Rio Hoe	2.79	1.00	16	9	4.15
Rockfield	1.37	0.75	14	12	3.03
Runaway Bay	0.80	0.36	17	5	1.29
Rural Retreat	3.33	2.35	28	5	..
St. Ann's Bay	2.40	0.73	22	9	2.79
Stepney	17.39	2.11	16	13	..
Thatchfield L. S.	3.34	0.77	29	12	..
Unity	7.84	2.44	28	16	5.58
Watt Town	3.68	1.53	10	6	2.82
Wilton	0.60	0.28	17	4	..
St. Mary					
Agualta Vale	2.91	.98	8	7	3.21
Bundo L. S.	4.42	1.30	15	10	..
Castleton Gardens	7.26	2.77	29	10	6.44
Devon Pen, L.S.	2.66	.84	13	6	..
Dover A. C.	7.13	2.70	13	6	4.85
Enfield	3.36	1.24	16	9	4.40
Fort Stewart	2.81	1.00	13	9	..

Stations	July, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Fort Stewart, L.S.	4.55	1.84	13	8	..
Gibraltar	4.21	1.00	13	7	..
Golden Grove, East	3.57	1.35	13	10	..
Golden Grove, West	2.95	1.20	13	8	..
Gray's Inn Cntl. Factry.	3.07	0.98	9	11	..
Guy's Hill	2.45	.75	16	13	4.56
Hampstead	2.52	1.00	13	5	2.88
Highgate	2.32	.56	9	10	..
Iter Boreale	5.41	1.77	13	9	..
Jack's River	3.48	.90	8	8	..
Lady Hole	3.60	.83	13	9	..
Lower Esher	3.99	2.00	13	9	..
Lucky Hill	4.20	1.28	22	7	3.29
Lucky Hill Pen	1.72	.72	22	5	..
Newry	3.54	.90	8	9	..
Nutfield A. C.	4.22	1.01	13	8	..
Oracabessa	3.86	1.04	15	8	4.28
Orange River	2.22	.82	28	11	..
Platfield	5.50	1.05	16	12	..
Port Maria	4.02	1.40	15	8	3.81
Prospect Estate	1.61	..	..	..	..
Quebec	2.35	1.00	13	6	3.57
Retreat	1.78	.44	8	10	..
Richmond	2.01	1.00	28	7	3.32
Warwick	.98	.30	14	6	..
Water Valley	2.90	.69	13	10	3.05
Western St. Mary	2.71	.75	23	6	..
Windsor Castle	3.22	.70	29	9	3.89
Portland					
Balcarres	3.66	.92	29	9	4.14
Belle Vue	8.97	2.76	13	13	..
Belvedere	4.79	1.42	13	10	3.88
Boundbrook, L. S.	13.56	2.86	13	25	..
Bruton Hall	11.81	3.75	13	18	..
Buff Bay	9.42	3.10	13	9	6.36
Bybrook	5.84	2.10	13	8	..
Caenwood	N.A.	..	..	..	..
Castle Comfort	8.62	2.10	13	19	..
Cedar Hurst	4.26	1.54	13	12	5.20
Chepstowe	6.61	2.16	13	10	..
Darley	11.26	3.22	13	23	..
Ecclesdown	6.77	6.20	14	5	..
Fellowship	15.73	4.55	13	23	14.17
Fruitful Vale	7.63	3.15	13	9	..
Hope Bay	11.34	3.66	13	16	11.88
Lennox	11.20	4.50	13	9	10.14
Manchioneal	10.44	5.33	13	11	5.84
Mill Bank	24.01	4.48	13	21	21.31
Moore Town	17.22	2.73	21	23	17.38
Mount Holstein	3.24	.80	29	12	4.90
Mount Pleasant	13.42	4.35	13	20	..
Passley Gardens	7.28	..	..	..	12.14
Plum Valley	4.05	2.95	13	4	..
Port Antonio	12.59	3.05	13	19	10.61
Priestman's River	10.22	3.41	13	20	7.27
Shrewsbury	14.75	6.27	13	17	8.89
Spring Garden	9.02	3.35	13	16	..
Tom's Hope	11.29	1.80	15	19	..
Windsor A. C.	18.34	3.40	13	17	..

Stations	July, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	16.15	8.33	13	14	..
Bath	14.64	8.87	13	16	8.36
Bowden Pen	24.91	7.00	13	22	..
Cedar Valley	10.10	5.67	13	11	4.90
Cirton Valley L.S.	9.19	4.68	13	12	..
Clifton Hill	12.47	6.38	13	19	..
Coley	9.39	6.43	13	8	7.27
Duckenfield	11.04	5.75	13	15	..
Easington	7.08	2.84	13	11	5.20
East Prospect	12.91	7.32	13	20	4.96
Golden Grove J. S. E.	7.03	2.50	17	19	..
Llandewey	7.80	3.55	13	6	..
Lloyds	7.15	2.90	13	9	..
Lyssons L.S.	6.49	1.95	16	15	..
Morant Bay	11.03	4.85	13	9	5.25
Morant Pt. Lighthouse	10.06	5.80	13	15	3.26
Mount Mansfield	12.47	5.00	13	17	..
Norris	7.08	2.84	13	11	..
Plantain Garden River	9.77	2.25	16	21	..
Pleasant Hill	14.43	5.80	13	15	4.63
Rowlandsfield L. S.	15.04	4.56	13	27	..
Seaforth	13.16	7.93	13	13	..
Spanishwood	9.14	3.28	13	16	..
Sunning Hill L. S.	21.27	6.61	13	18	..
Wheelerfield	13.78	7.02	13	17	..
Yallahs	6.55	3.40	13	6	5.60
Kingston and St. Andrew					
Bamboo Avenue	3.15	1.35	14	6	..
Brandon Hill	9.76	2.86	30	7	..
Cavaliers	2.24	1.40	13	6	..
Clifton Pen	2.32	1.50	13	4	1.75
Constant Spring F. P.	3.78	1.00	13	12	..
Constant Spring Ch. R.	2.87	1.17	13	8	..
Dallas Castle	3.16	2.10	13	2	4.69
Fort George	3.65	.81	27	13	..
Golden Spring	5.15	1.47	26	8	..
Gordon Town	5.36	2.47	13	8	2.68
Grey Weathers	3.42	..	..	..	..
Guava Ridge	2.61	1.50	13	7	4.16
Halfway Tree	0.98	.71	13	3	1.87
Harbour Head	7.07	3.14	31	4	..
Hardware Gap P.W.D.	4.09	.98	22	12	4.38
Hermitage	6.05	1.12	13	15	6.56
Hill Gardens	4.72	2.90	13	6	3.54
Hope Farm Agr. Stn.	3.42	1.60	13	4	2.67
Hope Laboratory	2.95	1.40	13	5	..
Hope Water Works	3.10	1.43	13	5	..
Irish Town	2.01	.41	31	6	2.14
Iver	3.01	1.40	13	10	..
King's House Gardens	3.28	1.18	13	8	2.49
Langley	5.68	1.33	29	8	..
Lawrence Tavern	7.09	2.95	29	10	5.13
Mavis Bank	3.66	2.50	13	7	4.16
Mount Airy	6.85	1.32	29	8	..
Mount Cressy	6.56	1.53	28	13	..
Mount Salus	2.46	.96	12	6	..
Newcastle	3.21	.98	14	11	..
Penfield Water Works	4.58	2.04	13	8	..
Red Hills	3.33	.94	13	6	5.50

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

Stations	July, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Rose Hill	3.84	1.30	29	7	5.75
Seaview Filter Plant	4.09	.86	13	13	..
Shortwood College	5.49	2.02	22	7	..
Stony Hill	4.58	1.27	13	9	4.96
Twickenham Pen	1.61	.95	13	2	..
Up Park Camp	3.14	2.20	13	6	..
Kingston					
Kingston P. W. O.	2.06	1.58	13	2	1.34
Palisadoes	2.38	1.66	13	5	..
Parade Gardens	2.03	1.53	13	2	..
Plumb Pt. Lighthouse	3.36	1.89	13	3	1.88
St. George's College	2.34	1.56	13	2	..
Upper Kingston	2.49	1.53	13	4	2.26
St. Catherine					
Above Rocks	4.92	1.49	29	9	..
Barry and Lloyds L.S.	2.37	1.14	3	4	..
Bellas Gate	3.21	.91	29	8	3.04
Bog Walk	5.28	2.45	22	3	6.18
Brown's Hall	2.58	1.16	23	5	5.20
Carew Castle	3.93	1.55	13	8	6.45
Ewarton	2.22	.94	16	5	..
Ginger Ridge	1.12	.74	11	4	..
Glengoffe	7.49	1.65	27	7	..
Grove Farm A. C.	0.47	.25	15	2	..
Guanaboa Vale	3.68	1.80	13	6	4.98
Headworks	1.53	.49	2	7	3.29
Hematine	1.11	.71	13	5	1.97
Hog Hole	1.02	.61	13	3	2.42
Knollis	4.94	2.55	25	7	6.56
Linstead	9.01	2.06	27	12	5.95
Old Harbour	0.60	.38	13	2	2.37
Pear Tree Grove	1.30	.70	25	2	4.22
Point Hill	2.51	.58	13	8	6.68
Quarantine Station	1.53	1.13	13	3	1.53
Rio Magno	5.79	2.00	21	10	6.44
Riversdale	2.48	.73	8	6	9.58
Sligoville	4.60	1.66	26	12	8.39
Spanish Town	1.19	.70	13	4	2.17
Troja	5.46	1.50	22	9	5.69
Troja, L. S.	5.01	1.50	22	8	..
Tulloch Estate	5.80	1.73	26	8	..
Twickenham A. C.	1.07	.72	13	2	..
Worthy Park	3.92	1.59	4	7	4.33
Clarendon					
Amity Hall	1.42	.94	13	2	..
Beauchamp	1.15	1.15	13	1	..
Belle Plain	3.65	1.10	2	6	6.20
Bog	1.41	1.14	13	3	..
Brixton Hill	2.13	.90	13	3	..
Building	1.12	.90	13	4	..
Bull Head	3.85	.90	26	8	..
Carlisle	1.36	.91	13	5	..
Clarendon Park J.C.R.	2.95	1.22	13	5	..

Stations	July, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Chapelton	0.81	.47	29	5	3.51
Colonel's Ridge	1.65	.60	29	6	..
Cottage	1.48	.94	13	6	4.17
Cotton Tree Gully	1.10	1.00	13	2	..
Croft's Hill	3.55	.95	26	6	3.60
Crooked River	1.45	.38	13	6	5.94
DaCosta	0.14	.14	16	1	..
Douce Pennants	1.76	.60	26	6	..
Exeter	1.89	1.10	13	4	1.51
Frankfield	1.26	.40	29	4	6.61
Gibbons	0.90	.90	13	1	..
Glen Muir	2.10	.90	12	5	3.85
Grimmetts	0.00	..	..	0	..
Hillside	1.18	1.02	13	3	3.91
James Hill	2.07	.60	3	5	..
Kellits	3.18	.61	29	12	..
Knights	0.00	..	..	0	..
May Pen	1.13	.76	13	4	3.26
Milk River	1.33	.60	13	3	2.57
Morelands	1.13	.80	13	2	2.81
Peckham, L. S.	1.26	.42	31	6	..
Pennants	1.27	.70	29	6	..
Pusey Hall	1.40	.70	13	4	..
Rock River	1.01	.36	28	3	4.80
Salt Savannah	0.90	.90	13	1	..
Silent Hill	2.97	2.10	29	3	..
Spaldings	2.16	.70	31	4	5.10
Springfield	1.55	1.15	13	2	3.21
Suttons, J. G. R.	1.93	.57	27	4	6.40
Suttons, W. I. S. Coy.	1.00	.80	13	2	..
Teak Pen L. S.	2.23	.98	26	8	..
Thompson Town	2.35	.53	11	6	..
Trout Hall	1.12	.32	11	9	4.75
Tweedside	0.66	.38	13	2	..
Manchester					
Alligator Pond	0.47	0.21	28	3	2.30
Christiana	3.16	1.11	30	4	4.35
Chudleigh	5.97	1.50	29	8	4.23
Cocoawalk L. S.	2.15	1.10	28	2	..
Craig Head	12.69	5.60	13	3	..
Downs	0.40	.40	27	1	..
Garlogie	16.99	3.40	26	8	..
Greenvale	3.61	1.90	28	9	4.75
Grove Place	5.06	1.57	29	9	..
Holmwood	3.02	.94	29	6	..
Hope, Spur Tree	4.25	2.39	13	5	..
Kendal	3.50	.75	11	7	5.41
Mandeville	5.66	1.94	13	11	5.73
Mandeville, (Manchester Hotel)	5.52	2.43	13	8	..
Mile Gully	2.82	1.50	28	5	..
New Forest, L. S.	0.15	.15	26	1	..
Newport	4.17	2.44	13	5	3.98
Ramble	2.35	1.05	13	3	..
Porus	2.03	.87	13	5	..
Retrieve	2.05	1.30	13	4	2.59
Stones Hope	3.33	1.14	13	8	3.98
Williamsfield	3.90	1.00	13	8	7.56

Stations	July, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Elizabeth					
Aberdeen ..	4.69	1.90	10	8	..
Accompong ..	6.16	1.68	26	14	..
Appleton ..	4.14	1.15	13	11	7.19
Balaclava ..	2.49	2.16	26	3	4.87
Bartons ..	5.44	1.45	19	7	..
Black River ..	2.82	1.42	26	5	4.49
Braes River ..	2.49	1.50	26	4	..
Bull Savannah ..	1.17	.64	26	2	..
Fort Charles ..	0.00	..	..	0	1.96
Ginger Hill ..	4.27	.93	26	11	..
Gutters ..	1.40	1.10	13	3	..
Hodges Estate ..	1.65	.51	12	8	..
Holland Estate ..	6.04	1.25	26	10	..
Hounslow ..	0.00	..	..	0	..
Ipswich ..	6.02	1.87	26	10	..
Lacovia ..	5.43	2.50	26	7	5.02
Lititz ..	0.40	.40	27	1	..
Maggotty ..	2.84	1.50	10	5	8.15
Malvern ..	.91	.65	26	2	..
Middle Quarters ..	2.79	.90	10	6	..
Mount Charles ..	4.65	1.07	10	10	..
Mulgrave ..	7.61	1.65	26	12	..
Munro ..	.60	.33	13	6	2.76
Myersville ..	.70	.40	20	3	..
Pedro Plains ..	0.56	.36	13	2	1.68
Quickstep ..	11.18	1.25	11, 25	13	..
Santa Cruz ..	2.00	.60	31	6	5.24
Southfield ..	0.62	.62	13	1	..
Springfield ..	6.25	1.77	26	9	..
Springvale	8.86	2.63	26	11	..
Torrington ..	0.00	..	..	0	2.45
Treasure Beach ..	0.53	.38	13	2	..
Williamsfield ..	0.10	.10	26	1	..
Windsor ..	0.80	.46	25	5	3.55
Yardley Chase ..	0.95	.50	11	2	
Westmoreland					
Barham ..	5.21	0.83	16	18	..
Bath Pen ..	4.65	1.29	9	9	..

Stations	July, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Westmoreland, *contd.*					
Baulk ..	6.05	1.06	16	13	..
Belle Isle ..	6.97	1.05	26	8	9.27
Bethel Town ..	6.42	1.52	5	17	12.91
Blue Castle ..	4.48	0.64	13	20	..
Blue Fields ..	5.46	1.48	9	9	9.36
Cornwall ..	5.68	0.91	9	15	..
Darliston ..	9.02	1.75	1	16	11.60
Fontabelle ..	5.03	1.58	21	18	9.34
Friendship ..	6.18	1.20	9	16	..
Frome ..	4.64	0.76	16	15	..
Kew Park ..	6.99	.90	9	20	10.06
Lamb's River ..	8.52	1.20	21	16	..
Little London ..	5.30	1.54	31	9	8.30
Masemure ..	6.57	1.06	31	18	..
Meyersfield ..	4.36	1.20	31	13	..
Midgham ..	9.28	1.41	30	19	..
Mint ..	10.40	1.87	28	18	..
Mount Eagle ..	11.30	2.08	10	18	..
Mount Eagle (P.W.D.) ..	11.59	1.88	10	18	..
Mount Edgecombe ..	2.47	1.19	26	10	6.88
Negril Pt. Lighthouse ..	4.89	1.18	12	14	5.76
New Market ..	3.48	1.25	26	6	8.48
Paul Island ..	5.78	1.20	31	19	..
Petersfield ..	6.60	1.50	3	11	..
Petersville ..	2.27	1.50	18	4	7.71
Prospect ..	10.11	2.13	16, 30	19	..
Rat Trap ..	8.80	1.40	10	12	..
Retreat Estate ..	7.84	1.87	1	14	7.29
Retrieve ..	6.98	1.35	1	16	..
Sav.-la-Mar ..	5.29	1.90	10	10	6.27
Sheffield ..	16.72	3.27	12	24	..
Shrewsbury ..	6.53	.95	9	19	..
St. Leonards ..	7.42	1.50	23	11	..
The Bog ..	4.54	1.52	26	8	8.94
Water Works Farm ..	8.09	1.32	1	19	9.74
Welch Pole ..	7.25	1.20	1	16	..
Whithorn ..	4.82	.96	9	8	10.62
Williamsfield ..	10.76	1.50	31	15	..

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, he 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 Parish 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 1948 is also compared with the averages.

Comparative Table of Rainfall Means—July, 1948

Parish	Rainfall for July			Rainfall, Jan.—July	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	8.46	8.07	15.1	53.04	43.76
St. James	6.09	4.82	11.3	39.81	32.81
Trelawny	3.97	3.96	6.5	30.37	31.85
St. Ann	2.98	3.01	7.7	42.03	30.96
St. Mary	3.38	3.75	8.3	50.79	39.07
Portland	10.88	8.76	15.0	74.09	65.55
St. Thomas	11.65	6.22	14.1	51.63	34.99
Kingston and St. Andrew	3.92	4.10	6.6	37.25	27.45
*Kingston	2.55	2.27	3.3	23.22	11.53
St. Catherine	3.22	4.60	6.0	40.15	29.99
Clarendon	1.78	4.65	4.9	35.19	30.05
Manchester	3.80	5.30	4..8	34.41	34.93
St. Elizabeth	3.00	5.23	5.6	30.10	34.70
Westmoreland	6.60	9.40	13.3	44.25	47.06
The Island	5.25	5.30 "70-Year"†	9.1 "45-Year"	43.09	35.34 "70-Year"
	..	5.22	9.5	..	36.67

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

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

The July Rainfall

The monthly average for the Island was very near the normal but individual Parishes showed considerable departures from the normal—St. Thomas had very nearly double the average, while Clarendon was considerably less than half the average. The cumulative total from the beginning of the year averaged nearly 8 inches in excess of the normal—only the SW. Parishes and Trelawny showing a deficiency.

The wettest Station in the Island was Bowden Pen in St. Thomas, which recorded 24.91 inches during the month followed closely by Mill Bank in Portland with 24.01 inches

The largest daily fall of 8.87 inches occurred at Bath in St. Thomas on 13th while many places in St. Thomas and Portland registered more than 5 inches on the same day.

Hail fell at Fort George, St. Andrew on the 11th and at Grove Place, Manchester on the 29th.

The City of Kingston

All temperatures were 1°–2°F above the average for the time of the year. The mean daily temperature was 83.0°F compared with the long-term average of 81.5°F. The highest temperature of 95.4°F on 1st July was the highest temperature experienced in Kingston since July, 1945 when 97.3°F was recorded.

The rainfall was 12% in excess of normal but the number of rain-days was 2 less than the 20-year average.

Thunderstorms were experienced at Palisadoes on 3 days during the month, while on a further 6 days thunderstorms were observed over the high ground in St. Thomas and St. Andrew. Distant lightning was seen on 20 nights.

Solar and lunar optical phenomena were seen on 4 occasions.

Sunshine

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

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 am..	.24	.49	.44	.49
7–8 "	.82	.83	.78	.87
8–9 "	.92	.80	.83	.90
9–10 "	.88	.79	.86	.90
10–11 "	.87	.77	.86	.87
11–12 noon	.79	.73	.86	.83
12–1 p.m.	.70	.75	.83	.84
1–2 "	.58	.64	.76	.86
2–3 "	.33	.57	.64	.74
3–4 "	.27	.58	.63	.62
4–5 "	.25	.44	.49	.46
5–6 "	.15	.25	.35	.18
6–7 "	..	..	..	..
Total	6.80	7.54	8.33	8.56
Percentage	52%	58%	64%	66%
No. of days over 10 hours	4	7	10	8
Cloudiest Day	14th (1.6 hrs.)	13th (0.1 hr.)	13th (1.8 hrs.)	13th (0.0 hr.)

Evaporation

Hope Ag. Station	5.73
Negril Point Lighthouse	4.80

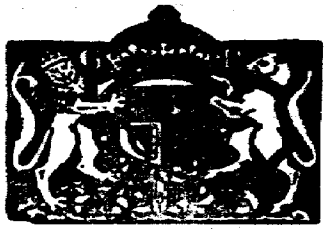
Tropical Disturbances

Although a few minor low pressure troughs moved westwards along the length of the Caribbean and gave periods of heavy showers, no wind circulation formed this month.

W. J. Fowler,
Air Ministry Meteorological Officer,
Jamaica Government Meteorologist

Meteorological Office,
Palisadoes,
Kingston, Jamaica, B.W.I.
13th October, 1952.

No. 867



DEC 29 1948

JAMAICA
WEATHER REPORT
FOR THE MONTH OF
AUGUST, 1948

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 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 mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at medium 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	..	..	72.1	84.4	..	86.3	68.9	17.4	90.5	19	65.5	16	25.0	..
Grove Place A.C. ..	1460	..	..	70.6	80.2	..	85.2	65.3	19.9	88.6	29	61.5	23	27.1	7.2
Hill Gardens ..	4900	..	..	62.7	70.0	..	74.5	60.3	14.2	78.0	* 3	58.3	* 9	19.7	..
Hope Laboratory ..	668	..	..	74.5	87.6	..	92.3	70.6	21.7	96.0	14	68.0	5	28.0	7.7
Kingston ..	80	..	..	78.3	87.8	..	91.3	75.3	16.0	93.0	27	72.0	24	21.0	..
Lorrimers ..	2700	..	..	70.6	..	..	82.0	66.0	16.0	88.0	30	62.0	*16	26.0	..
Morant Pt. Lighthouse .	8	29.941	29.939	81.6	86.4	82.5	88.2	78.5	9.7	92.0	29	71.0	9	22.0	..
Negril Pt. Lighthouse ..	33	29.915	29.908	77.3	87.3	81.3	89.6	72.2	17.4	91.0	*1	71.0	*1	20.0	..
Orange River Exp. St.	450	..	..	72.5	84.0	..	87.9	69.1	18.8	92.0	31	64.9	22	27.1	8.0
Palisadoes Airport ..	19	29.940	29.926	80.3	86.9	85.6	88.7	77.6	11.1	90.0	*5	75.0	*1	15.0	8.7

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	69	91	76	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	69	94	70	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	57	81	63	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Labor. tory	71	88	73	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	71	80	77	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers ..	69	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	76	85	78	76	76	83	SE	9	SE	5	SE	10	5.4	8.0	3.7	5.5	3.5	5.0
Negril Pt. Light Hs.	71	81	75	70	75	82	E	2	SE	8	SE	4	1.0	5.6	2.3	5.0	5.7	6.5
Orange River Ex. St.	72	97	74	73	..	..	..	..	..	..	..	..	..	..	..	..	-	..
Palisadoes Airport	74	78	76	70	75	76	ESE	5	SE	15	ESE	13	0.7	4.6	1.5	4.3	1.8	5.1

*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	August, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish	18.65	5.00	24	17	13.30
Blenheim	14.53	3.48	22	16	..
Blue Hole	9.38	2.15	15	11	6.45
Cascade	20.03	3.33	24	18	..
Copse	2.54	0.57	17	10	10.80
Cousin's Cove	11.83	2.48	22	21	7.61
Green Island	10.86	2.04	21	13	9.24
Green River	6.65	2.50	24	8	..
Haughton Court A.C.	10.23	2.84	22	11	6.46
Haughton Grove	14.22	3.02	1	14	11.05
Haughton Hall	8.37	1.34	27	15	7.86
Hopewell	4.23	1.40	1	10	..
Kendal	9.07	2.14	27	10	..
Kingsvale	8.76	2.30	24	11	9.42
Lucea	9.07	2.19	22	10	6.15
Retirement	10.49	3.82	24	10	..
Santoy L.S.	9.74	2.07	22	11	..
Shettlewood	9.30	2.03	30	19	..
St. James					
Adelphi	4.75	0.76	8	13	..
Anchovy	6.92	1.97	24	12	6.39
Cambridge	11.33	3.02	1	9	11.03
Catadupa	9.99	1.74	30	16	13.17
Cinnamon Hill	1.53	.85	20	4	2.37
Cornwall Works	1.55	1.10	20	4	..
Friendship	2.80	.50	6	11	6.53
Irwin A.C.	3.14	.80	27	11	6.61
Kempshot	6.81	.88	30	13	7.76
Lapland	10.20	2.15	1	17	..
Latium L.S.	5.28	1.08	27	12	8.42
Maldon	9.35	3.07	1	13	..
Mocho	9.47	2.20	29	13	14.50
Montego Bay	3.61	.97	19	7	5.15
Montpelier	8.29	1.90	30	17	6.80
Retirement	3.03	.60	6	13	6.90
Richmond Hill	11.37	1.93	24	14	..
Rose Hall	1.69	.83	19	4	2.29
Running Gut	1.83	0.95	19	4	2.56
Spring Estate	1.93	1.00	19	4	2.44
Success	1.23	.72	20	4	2.25
Sweetwater	9.94	1.28	18	15	..
Tryall	1.44	.92	20	4	4.57
Vaughansfield	N.A	..	..	..	..
Windsor Lodge	4.75	.75	8	13	..

N. A. "Not available"

Stations	August, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Trelawny	Ins.	Ins.			Ins.
Albert Town	3.28	0.82	7	7	9.00
Arcadia	4.51	2.40	1	8	3.34
Clark's Town	5.30	1.31	1	9	5.27
Duncans	2.73	1.90	1	5	3.67
Falmouth	1.19	0.66	1	5	2.46
Harmony Hall	3.05	1.75	1	7	2.42
Hyde and Gibraltar	6.60	1.52	8	10	..
Litchfield	3.97	1.35	17	7	..
Lorrimers	6.25	1.61	6	16	..
Reserve Pen L.S.	3.50	1.00	11	8	..
Stewart Town	3.92	1.28	1	9	..
Troy	6.32	1.92	18	8	9.90
Troy L.S.	7.82	2.54	18	12	..
Ulster Spring	4.56	2.15	7	7	8.40
Vale Royal	5.29	2.80	1	6	4.55
Wait-a-bit	4.35	1.12	18	8	..
Wakefield	7.90	2.75	11	8	5.05
Warsop	6.71	2.10	18	11	9.84
St. Ann					
Alexandria	2.49	1.15	1	4	4.78
Armadale	2.92	0.94	1	6	..
Averham Park	4.04	1.18	1	7	4.91
Bel-Air	2.50	1.10	1	5	3.60
Beverly L.S.	0.96	.30	5	5	..
Brown's Town	4.57	1.11	1	8	4.45
Cave Valley	1.89	.73	18	8	7.25
Chippenham Park	4.93	..	..	13	..
Claremont	3.44	1.62	1	8	5.09
Cuffie Ridge	3.17	1.09	25	9	..
Eltham	4.84	2.07	22	7	..
Exchange	1.36	0.42	6	7	..
Greenock	1.77	.88	18	7	..
Home Castle	11.50	2.95	22	6	3.65
Knapdale	2.62	1.17	1	13	6.14
Liberty Hill	2.06	.59	6	6	3.11
Moneague	5.73	2.50	1	8	6.51
New Ground A.C.	3.82	0.88	20	10	..
Ocho Rios	5.52	1.31	5	8	3.25
Queen Hythe L.S.	3.64	1.46	13	7	..
Richmond Estate	1.52	.59	5	8	3.07
Richmond Pen L.S.	3.69	1.72	29	9	4.87
Rio Hoe	5.85	2.30	1	11	6.02
Rockfield	3.71	1.14	7	15	4.45
Runaway Bay	1.30	.60	19	4	2.08
Rural Retreat	2.92	1.60	1	6	..
St. Ann's Bay	3.05	1.06	5	11	3.40
Stepney	1.49	.86	19	3	..
Thatchfield L.S.	1.38	.51	21	6	..
Unity	6.76	2.34	1	11	6.67
Watt Town	3.01	1.16	13	6	4.43
Wilton	0.45	.24	20	5	..

Stations	August, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Mary					
Agualta Vale	1.72	.48	2&9	5	4.37
Castleton Gardens	9.92	1.45	6	13	10.71
Devon Pen L.S.	6.94	2.15	8	9	..
Dover A.C.	1.03	.57	8	2	5.82
Enfield	0.65	.35	6	2	7.17
Fort Stewart	1.56	.73	5	3	..
Fort Stewart L.S.	1.09	.39	3	6	..
Gibraltar	1.40	.50	1	4	..
Golden Grove East	1.52	.75	5	5	..
Golden Grove West	1.22	.70	5	4	..
Gray's Inn Cen. Fact.	1.79	.60	1	7	..
Guy's Hill	5.87	1.18	1	17	5.77
Hampstead	2.31	.90	24	5	4.37
Highgate	5.44	1.88	25	14	..
Iter Boreale	1.67	.85	5	4	..
Jack's River	3.35	.75	11	8	..
Lady Hole	1.35	.57	1	5	..
Lower Esher	2.61	1.37	8	5	..
Lucky Hill	7.33	2.97	20	11	3.38
Lucky Hill Pen	4.73	1.60	21	6	..
Newry	2.20	1.00	5	7	..
Nutfield A.C.	2.13	1.50	5	5	..
Oracabessa	1.53	.75	1	5	6.73
Orange River	3.80	1.25	24	12	..
Platfield	5.59	1.62	6	12	..
Port Maria	3.02	.80	12	7	5.08
Prospect Estate	2.39	..	..	..	..
Quebec	4.60	2.20	5	5	4.88
Retreat	2.90	.60	5	9	..
Richmond	3.22	.87	9	10	5.20
Warwick Castle	11.85	..	..	..	..
Water Valley	2.13	.55	1	8	4.25
Western St. Mary	7.67	3.10	21	7	..
Windsor Castle	6.14	1.20	1	16	7.08
Portland					
Balcarres	3.40	1.60	8	8	7.15
Belle Vue	2.48	1.80	9	4	..
Belvedere	2.52	1.04	9	4	5.72
Boundbrook L.S.	8.65	2.68	30	13	..
Bruton Hall	5.70	1.65	5	9	..
Buff Bay	4.49	1.53	2	8	6.09
Bybrook	3.65	1.83	9	6	..
Caenwood A.C.	N/A	..	..	..	..
Castle Comfort	6.33	1.17	30	15	..
Cedar Hurst	2.52	.55	27	9	7.97
Chepstowe	3.81	2.25	9	5	..
Darley	11.35	3.38	1	14	..
Ecclesdown	3.11	1.36	9	6	..
Fellowship	10.46	2.22	1	17	14.05
Fruitful Vale	4.21	1.20	5	6	..
Hope Bay	8.64	3.25	1	9	9.37
Hopewell	6.01	2.20	9	9	..
Lennox	6.25	2.30	8	6	7.76
Manchioneal	4.78	1.50	30	9	7.78
Mill Bank	14.20	3.00	30	15	17.27
Moore Town	13.48	2.01	21	17	15.88
Mt. Holstein	4.80	1.20	29	7	7.32
Mt. Pleasant	N/A	..	..	..	..
Paisley Garden	4.20	..	..	..	10.97
Plum Valley	5.37	2.02	1	4	..
Port Antonio	8.91	2.73	30	13	11.63
Priestman's River	5.63	1.19	20	13	8.46
Shrewsbury	6.41	1.87	5	13	9.08
Spring Garden	5.28	1.80	3	10	6.60
Tom's Hope	6.03	2.00	30	13	..
Windsor A.C.	14.31	2.80	2	12	..
St. Thomas					
Barrett's Gap	10.25	2.65	8	10	10.04
Bath	7.97	1.76	30	13	..
Bowden Pen	14.00	2.50	30	15	..
Cedar Valley	8.30	1.85	20	11	9.53
Citron Valley L.S.	5.86	1.77	21	12	..
Clifton Hill	6.11	1.41	8	11	..
Coley	6.08	2.34	20	9	9.92
Duckenfield	3.50	1.41	9	21	..
Easington	5.59	1.83	20	14	6.47
East Prospect	5.73	1.60	9	14	6.90
Golden Grove J.S.E.	5.24	1.73	9	12	..
Llandewey	5.93	1.58	16	5	..
Lloyds	5.57	2.00	20	8	..
Lyssons L.S.	2.85	.97	30	6	..
Morant Bay	7.20	2.50	8	6	6.53
Morant Point Light Hs.	2.59	.68	30	11	5.12
Mount Mansfield	9.02	2.15	30	13	..
Norris	5.39	1.82	20	12	..
Plantain Garden River	11.22	3.23	30	18	..
Pleasant Hill	5.33	1.17	30	13	7.13
Rowlandsfield L.S.	5.20	1.52	30	20	..
Seaforth	6.86	1.56	20	15	..
Spanishwood	2.85	1.18	9	11	..
Sunning Hill L.S.	17.04	4.50	20	9	..
Wheelerfield	4.66	1.55	30	13	..
Yallahs	3.81	1.42	20	6	5.52
Kingston and St. Andrew					
Bamboo Avenue	1.56	0.29	19	11	..
Brandon Hill	7.18	2.31	1	8	..
Cavaliers	1.14	.45	17	10	..
Clifton Pen	0.98	.23	1	8	4.34
Constant Spring F.P.	2.32	1.05	25	14	..
Constant Spring Ch. Rd.	3.08	.55	17	10	..
Dallas Castle	2.94	1.50	7	4	8.35
Fort George	2.84	1.48	25	14	..
Golden Spring	6.22	2.10	27	6	..
Gordon Town	3.47	1.27	19	9	5.88
Grey Weathers	2.64	..	..	..	..
Guava Ridge	1.75	.40	1&20	10	6.96
Halfway Tree	0.69	.39	20	2	4.03
Harbour Head	3.46	2.46	7	5	..
Hardware Gap P.W.D.	0.70	.32	25	4	8.27
Hermitage	2.86	1.90	25	11	10.22
Hill Gardens	2.32	.59	1	11	7.77
Hope Farm Ag. Stn.	2.17	.58	19	6	6.01
Hope Laboratory	1.74	.39	19	10	..
Hope Waterworks	1.77	.52	19	9	..
Irish Town	2.15	.95	8	4	6.92
Iver	3.25	.90	19	11	..
King's House Gardens	1.50	.52	7	9	4.84

"Not available"

Stations	August, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *Contd.*					
Langley	2.81	1.29	9	5	..
Lawrence Tavern	6.07	1.40	22	10	8.65
Mavis Bank	2.00	.50	20	10	6.96
Mount Airy	2.68	.61	6	8	..
Mount Cressy	6.03	1.70	11	12	..
Mount Salus	5.83	2.40	25	8	..
Newcastle	1.18	.37	10	6	..
Penfield Water Works	2.70	.96	19	9	..
Red Hills	5.60	2.83	7	9	7.73
Rose Hill	2.17	1.55	25	7	9.80
Seaview F.P.	2.62	1.62	25	14	..
Shortwood College	1.79	1.03	15	3	..
Stony Hill	2.73	1.61	25	7	9.00
Twickenham Pen	0.63	.17	9	6	..
Up Park Camp	1.26	.65	19	4	..
Kingston					
Kingston P.W.O.	1.29	.79	20	2	3.15
Palisadoes	1.84	.73	1	10	..
Parade Gardens	1.19	.53	19	5	..
Plumb Pt. Lighthouse	0.82	.60	1	3	3.78
St. George's College	1.56	.50	17&19	6	..
Upper Kingston	1.42	.41	17	9	4.86
St. Catherine					
Above Rocks	7.29	2.15	25	9	..
Barry & Lloyds L.S.	2.60	1.12	19	5	..
Bellas Gate	2.32	.88	20	6	7.72
Bog Walk	8.79	2.05	25	12	8.28
Brown's Hall	3.26	1.03	12	5	7.88
Carew Castle	6.98	2.16	25	9	9.82
Ewarton	4.23	1.40	1	10	..
Ginger Ridge	3.07	.98	4	13	..
Glengoffe	7.42	1.81	22	11	..
Grove Farm A.C.	1.74	.82	7	4	..
Guanaboa Vale	5.14	1.30	7	6	7.23
Headworks	.90	.32	17	4	5.87
Hematine	1.11	.71	13	5	4.41
Hog Hole	1.75	1.13	19	7	4.59
Knollis	8.27	2.53	6	13	9.14
Linstead	8.25	2.84	5	7	8.45
Old Harbour	2.26	1.00	7	10	5.16
Pear Tree Grove	3.10	2.00	1	4	6.53
Point Hill	4.74	1.50	27	7	10.41
Quarantine Station	0.71	.39	20	5	3.07
Rio Magno	6.09	1.80	1	8	8.31
Riversdale	8.04	1.50	13	12	9.91
Sligoville	6.69	1.52	17	13	11.11
Spanish Town	0.74	.28	17	6	4.19
Troja	7.83	2.55	1	8	7.47
Troja L.S.	7.15	2.05	1	7	..
Tulloch Estate	8.31	3.01	5	12	..
Twickenham A.C.	.17	.13	20	2	..
Worthy Park	3.35	.90	5	9	5.72
Clarendon					
Amity Hall	3.17	1.17	20	5	..
Beauchamp	1.19	1.14	20	5	..
Belle Plain	3.76	.74	7	10	6.88
Bog	3.44	1.05	20	6	..
Brixton Hill	6.75	2.10	9	6	..

* And on other days.

Stations	August, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Building	2.75	.98	19	5	..
Bull Head	5.40	1.46	17	11	..
Carlisle	3.03	1.42	20	9	..
Clarendon Park J.G.R	4.21	2.84	10	6	..
Chapelton	2.92	1.03	17	7	6.28
Colonel's Ridge	4.91	1.22	16	11	..
Cottage	3.28	1.20	20	7	4.49
Cotton Tree Gully	2.30	1.05	20	4	..
Croft's Hill	3.02	1.00	10	5	7.96
Crooked River	4.79	.98	5	13	7.65
DaCosta	2.14	1.15	20	6	..
Douce Pennants	6.24	1.26	5	14	..
Exeter	2.31	.89	30	5	4.07
Frankfield	8.82	1.65	5	10	8.58
Gibbons	4.13	1.10	20	6	..
Glen Muir	3.20	1.25	20	7	5.66
Grimmetts	3.80	1.00	7*	8	..
Hillside	2.66	1.28	20	5	4.10
James Hill	4.22	1.46	25	10	..
Kellits	2.98	.56	7	11	..
Knights	2.58	1.25	20	3	..
May Pen	2.24	.87	19	6	5.35
Milk River	1.83	.44	7	8	4.29
Morelands	2.60	.93	30	4	5.41
Peckham L.S.	5.73	1.44	25	14	..
Pennants	3.75	.75	5	12	..
Pusey Hall	2.00	.90	19	5	..
Rock River	1.38	.50	6*	3	6.71
Salt Savannah	1.80	1.02	20	5	..
Silent Hill	3.09	1.05	25	6	..
Spaldings	4.07	0.75	25	13	7.57
Springfield	2.37	1.00	7	6	4.87
Suttons J.G.R.	2.70	1.30	5	7	6.97
Suttons W.I.S.C.	2.00	.90	19	4	..
Teak Pen L.S.	6.92	3.89	5	13	..
Thompson Town	5.11	1.79	10	11	..
Trout Hall	6.80	1.25	25	12	8.55
Tweedside	3.95	1.17	25	8	..
Manchester					
Alligator Pond	2.13	0.92	19	6	3.94
Christiana	3.75	.70	30	9	7.05
Chudleigh	4.70	1.00	19	15	8.25
Cocoawalk L.S.	1.00	1.00	7	1	..
Craig Head	8.33	5.03	17	5	..
Downs	1.96	.50	1	5	..
Garlogie	6.28	1.30	10	13	..
Greenvale	8.14	1.90	29	13	6.88
Grove Place	5.37	1.42	7	11	..
Holmwood	4.08	.77	17	12	..
Hope, (Spur Tree)	5.23	1.90	10	12	..
Kendal	5.22	2.10	5	10	8.08
Mandeville	4.79	1.88	20	7	8.70
Mandeville (Manch. Hot)	5.85	1.39	20	11	..
Mile Gully	7.35	2.00	29	10	..
New Forest L.S.	0.96	.68	21	4	..
Newport	2.42	.93	7	6	7.41
Porus	3.30	.82	10	12	..
Ramble	4.77	1.35	10	8	..
Retrieve	1.26	.50	20	5	4.30
Stones Hope	2.29	.78	7	6	6.55
Williamsfield	4.88	1.60	5	8	9.69

Stations	August, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	6.78	2.02	23	12	..
Accompong	8.61	2.34	30	15	..
Appleton	8.97	2.23	30	13	11.15
Balaclava	6.49	1.42	17	9	8.04
Bartons	8.69	1.68	29	9	..
Black River	5.74	1.50	10	7	6.12
Braes River	4.40	2.40	18	4	..
Bull Savannah	1.55	.40	7	5	..
Fort Charles	0.00	..	..	0	2.72
Ginger Hill	9.30	1.30	10	17	..
Gutters	2.88	1.65	7	4	..
Hodges Estate	3.02	.64	18	10	..
Holland Estate	7.47	1.65	7	11	..
Hounslow	2.51	1.00	17	4	..
Ipswich	10.25	1.44	7	16	..
Lacovia	7.52	2.52	17	10	7.80
Lititz	1.96	0.50	7	5	..
Maggotty	10.92	2.20	7	12	11.20
Malvern	4.05	.75	7	10	..
Middle Quarters	4.53	1.40	17	8	..
Mount Charles	6.03	1.13	17	13	..
Mulgrave	13.61	1.75	30	15	..
Munro	2.95	.81	17	8	4.45
Myersville	2.13	1.50	8	4	..
Pedro Plains	1.80	.60	17	6	3.04
Quickstep	6.97	1.20	21	11	..
Santa Cruz	5.49	2.60	17	9	9.16
Southfield	2.62	.80	7	5	..
Springfield	9.79	3.29	7	11	..
Springvale	9.59	2.07	10	13	..
Torrington	3.07	.95	17	5	5.46
Treasure Beach	1.41	.34	19	7	..
Williamsfield	1.87	1.00	7	5	..
Windsor	3.47	.63	10	11	6.96
Yardley Chase	1.70	.90	18	2	..

Stations	August, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland					
Barham	7.74	1.34	30	19	..
Bath Pen	7.00	2.00	6	9	..
Baulk	7.16	1.94	18	13	..
Belle Isle	11.19	1.72	30	19	10.26
Bethel Town	13.58	2.00	18	16	12.75
Blue Castle	7.49	1.66	6	19	..
Bluefields	8.25	1.96	17	16	11.09
Cornwall	8.57	1.92	6	17	..
Darliston	8.38	2.29	11	14	15.16
Fontabelle	8.61	1.54	27	19	11.01
Friendship	7.71	1.00	12	18	..
Frome	9.45	1.81	30	21	..
Kew Park	11.97	2.21	18	17	11.97
Lamb's River	8.58	1.10	30	19	..
Little London	7.29	3.90	25	6	7.35
Masemure	6.01	2.54	25	15	..
Meyersfield	4.76	1.64	25	15	..
Midgham	9.82	2.60	25	15	..
Mint	8.27	1.58	18	18	..
Mount Eagle	9.10	2.40	25	16	..
Mount Eagle (P.W.D.)	7.08	1.30	30	18	..
Mount Edgecombe	8.03	1.67	10	15	8.31
Negril Point L.H.	4.69	1.70	25	13	6.37
New Market	7.31	1.86	12	11	12.16
Paul Island	5.06	0.96	25	14	..
Petersfield	8.70	1.47	6	19	..
Petersville	8.61	2.14	17	11	10.36
Prospect	9.66	2.00	18	19	..
Rat Trap	7.39	2.05	22	7	..
Retreat Estate	5.03	1.96	25	12	8.26
Retrieve	4.36	2.00	25	13	..
Sav.-la-mar	2.92	.83	25	8	7.67
Sheffield	6.76	1.21	26	20	..
Shrewsbury	8.08	1.62	30	16	..
St. Leonard's	3.57	1.30	24	6	..
The Bog	9.71	1.65	12	16	12.53
Water Works Farm	8.28	1.86	6	18	11.95
Welch Pole	12.70	2.50	27	15	..
Whithorn	7.29	1.50	24	7	11.78
Williamsfield	8.15	1.05	1	15	..

Notes:—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 thef 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 1948 is also compared with the averages.

Comparative Table of Rainfall Means—August, 1948

Parish	Rainfall for August			Rainfall	Jan.–August
	Actual Inches	20-Year Average Inches	Raindays No.	Actual Inches	Average Inches
Hanover	11.03	8.94	12.8	64.07	52.70
St. James	6.72	6.43	11.5	46.53	39.24
Trelawny	4.81	6.27	8.3	35.18	38.12
St. Ann	3.59	4.90	8.1	45.62	35.86
St. Mary	3.91	6.06	7.8	54.70	45.13
Portland	6.97	9.96	10.3	81.06	75.51
St. Thomas	6.68	8.62	11.4	58.31	43.61
Kingston and St. Andrew ..	2.78	7.74	7.8	40.03	35.19
*Kingston	1.35	4.98	6.0	24.57	16.51
St. Catherine	4.36	7.36	8.1	44.51	37.35
Clarendon	4.05	7.46	8.5	39.24	37.51
Manchester	3.73	8.33	7.4	38.14	43.26
St. Elizabeth	4.50	8.15	8.3	34.60	42.85
Westmoreland	7.89	10.61	14.4	52.14	57.67
The Island	5.45	7.56 "70-Year"† 7.14	9.6 "45-Year" 11.5	49.54	42.90 "70-Year" 43.81

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

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

The August Rainfall

The month was relatively dry over most of the Island—only Hanover and St. James registered rainfall in excess of the 20-year normal. Kingston and St. Andrew had only about a third of the average for the time of the year.

The cumulative total since the beginning of the year showed, however, that most Parishes had an excess over the normal—the only Parishes with a deficit being Trelawny, Manchester, St. Elizabeth and Westmoreland. The Island mean over this period was 115% of normal.

The highest monthly total of 20.03 inches was experienced at Cascade in Hanover closely followed by Askenish in the same Parish with 18.65 inches.

The highest daily fall occurred at Craig Head in Manchester on 17th when 5.03 inches were recorded: Askenish was nearly as high with 5.00 inches on the 24th.

Most Parishes were below the average in the number of raindays during the month.

The City of Kingston

Very dry with thundery showers, which accounted for the whole of the month's rainfall.
As regards temperature, August was a very normal month, all values being within 1° F of the average.
Thunderstorms, slight to moderate in intensity were experienced at Palisadoes on 4 days, while thunder was heard over the Island on an additional 10 days and distant lightning on a further 10 days.
Solar and lunar halos were observed on 6 occasions.

Sunshine

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

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.17	.45	.35	.48
7–8 "	.79	.80	.79	.82
8–9 "	.93	.85	.86	.87
9–10 "	.95	.83	.84	.85
10–11 "	.87	.73	.81	.87
11–12 noon	.80	.72	.79	.84
12–1 p.m.	.77	.74	.74	.82
1–2 "	.69	.64	.64	.79
2–3 "	.53	.65	.67	.77
3–4 "	.35	.59	.64	.73
4–5 "	.26	.48	.52	.58
5–6 "	.12	.24	.30	.28
Total	7.23	7.72	7.95	8.70
Percentage	57	61	63	69
No. of days over 10 hours	1	5	8	16
Cloudiest day	9th (0.4)	9th (0.6)	9th (0.9)	9th (1.3)

Evaporation

Hope Ag. Station	4.23 inches
Negril Point Lighthouse	5.64 inches

Earthquakes

Nil

W. J. Fowler,
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Meteorological Office,
Palisadoes,
Kingston, Jamaica, B.W.I.
14th October, 1952.

DEC 2 9 1952

No. 868

JAMAICA
WEATHER REPORT
FOR THE MONTH OF
SEPTEMBER, 1948

MONTHLY CLIMATOLOGICAL MEANS

NOTES:—The Barometric Pressures at 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 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 tenths 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	..	..	71.8	83.6	..	85.6	69.0	16.6	90.0	*1	66.9	21	23.1	..
Grove Place A.C. ..	1,460	..	..	70.8	79.8	..	85.0	64.9	20.1	90.3	12	59.1	12	31.2	5.9
Hill Gardens ..	4,900	..	..	62.9	68.5	..	73.4	60.2	13.2	81.0	*2	58.5	*11	22.6	..
Hope Laboratory ..	668	..	..	74.1	86.2	..	90.8	71.0	19.8	96.9	1	66.8	25	30.1	7.1
Kingston ..	80	..	..	78.1	86.8	..	90.5	74.9	15.6	94.6	1	72.2	25	22.4	..
Lorrimers ..	2,700	..	..	69.6	..	..	81.1	65.0	16.1	87.0	12	59.0	11	28.0	..
Morant Pt. Light Hs.	8	29.882	29.872	80.7	86.0	81.9	87.7	76.9	10.8	91.0	*2	72.0	*12	19.0	..
Negril Pt. Light Hs. ..	33	29.856	29.844	77.6	86.9	81.7	88.2	72.5	15.7	93.0	30	70.0	24	23.0	..
Orange River Ex. St.	450	..	..	73.1	83.4	..	87.8	69.4	18.4	90.5	*11	63.9	*11	26.6	6.2
Palisadoes Airport ..	19	29.884	29.867	80.3	86.7	83.0	87.7	78.0	9.7	91.0	16	71.0	23	20.0	7.5

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	70	93	78	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	69	95	71	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	58	85	65	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory ..	71	91	73	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	72	83	76	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers ..	68	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	72	85	71	74	72	82	SE	9	SE	8	SE	10	6.0	8.1	4.9	7.0	4.2	4.4
Negril Pt. Light H.	74	85	75	67	76	86	E	5	SE	9	SE	8	2.3	5.7	4.0	5.3	5.5	7.3
Orange River Ex. St.	72	96	74	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	74	83	78	75	77	81	ESE	6	SE	13	SE	10	2.0	5.8	1.7	5.4	2.2	5.0

*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	September, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Hanover					
Askenish	15.49	3.50	18*	13	11.60
Blenheim	16.03	2.29	17	13	..
Blue Hole	14.12	3.32	23	12	8.54
Cascade	22.61	5.35	23	11	..
Copse	6.77	1.73	20	9	10.54
Cousin's Cove	13.60	2.45	22	20	7.78
Green Island	10.74	2.19	17	15	9.54
Green River	10.50	2.10	18	13	..
Haughton Court A. C.	17.60	4.23	23	15	6.92
Haughton Grove	14.63	4.02	23	14	12.12
Haughton Hall	8.48	1.86	17	16	7.96
Hopewell	11.46	3.46	19	15	..
Kendal	12.01	2.38	12	12	..
Kingsvale	8.21	1.60	18	15	9.76
Lucea	14.03	3.85	23	11	7.76
Retirement	14.35	2.76	22	11	..
Santoy L. S.	6.53	2.02	17	7	..
Shettlewood	15.13	3.56	17	18	..
St. James					
Adelphi	5.74	2.72	17	8	..
Anchovy	7.91	2.47	17	7	6.89
Cambridge	12.37	4.03	19	13	12.04
Catadupa	16.34	3.11	17	18	13.72
Cinnamon Hill	7.51	3.60	17	9	3.67
Cornwall Works	7.29	3.47	17	10	..
Friendship	9.16	3.00	17	9	7.49
Irwin A. C.	7.72	2.65	17	7	6.99
Kempshot	9.85	2.91	3	14	8.96
Lapland	14.40	3.85	17	15	..
Latium L. S.	5.16	1.53	24	9	9.21
Maldon	12.53	3.98	3	12	..
Mocho	22.81	4.50	7	15	11.83
Montego Bay	10.19	3.38	17	7	6.38
Montpelier	13.43	2.72	19	17	7.21
Retirement	8.92	2.64	17	8	8.46
Richmond Hill	11.64	2.89	19	17	..
Rose Hall	7.73	3.00	17	11	3.33
Running Gut	9.82	3.75	17	9	3.54
Spring Estate	7.40	3.00	17	8	3.58
Success	7.13	3.67	17	9	3.37
Sweetwater	16.98	2.95	7	17	..
Tryall	7.01	2.40	17	8	4.61
Vaughansfield	13.89	3.30	27	6	..
Windsor Lodge	5.74	2.72	17	8	..

*And on other days.

Stations	September, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Trelawny					
Albert Town	7.35	1.61	23	9	10.26
Arcadia	2.72	1.43	24	8	4.40
Clark's Town	3.84	1.21	24	7	4.27
Duncans	4.32	2.50	23	8	2.27
Falmouth	5.54	2.45	17	8	3.23
Harmony Hall	5.21	2.68	24	8	3.53
Hyde and Gibraltar	3.78	1.56	24	5	..
Lichfield	13.00	3.00	18	13	..
Lorrimers	14.09	5.45	19	13	..
Reserve Pen, L.S.	2.30	.60	24	5	..
Stewart Town	5.86	1.81	19	13	..
Troy	7.82	1.90	18	9	13.13
Troy Land Settlement	9.83	2.66	17	14	..
Ulster Spring	6.24	1.69	24	10	9.83
Unity L.S.	7.96	2.75	..	..	..
Vale Royal	2.19	1.65	24	4	4.46
Wait-a-bit	13.17	3.40	18	16	..
Wakefield	5.92	2.90	17	7	6.45
Warsop	7.03	1.80	18	13	9.59
St. Ann					
Alexandria	8.00	2.90	19	9	6.17
Armadale	9.44	3.10	19	11	..
Averham Park	12.76	4.75	19	10	5.50
Bel-Air	5.05	.90	23	13	3.79
Beverley L. S.	8.45	2.30	17	12	..
Brown's Town	5.62	1.36	19	12	5.43
Cave Valley	15.47	5.12	19	13	7.66
Claremont	9.75	4.50	19	10	6.11
Cuffie Ridge	18.87	7.05	18	13	..
Eltham	11.75	3.16	19	11	..
Exchange	9.08	2.82	19	8	..
Greenock	15.60	4.68	19	16	..
Home Castle	4.55	2.65	19	2	5.11
Knapdale	7.70	1.25	17	13	5.04
Liberty Hill	6.11	1.35	4	11	3.47
Moneague	13.38	4.58	19	13	7.07
New Ground A. C.	5.04	1.22	5	13	..
Ocho Rios	11.17	1.75	24	16	3.59
Richmond Estate	7.76	1.82	30	13	3.63
Richmond Pen, L.S.	10.10	2.10	7	13	5.95
Rio Hoe	15.27	5.05	19	15	6.09
Rockfield	7.87	2.38	19	15	4.59
Runaway Bay	3.81	.60	19*	11	2.32
Rural Retreat	9.44	4.40	19	7	..
St. Ann's Bay	8.68	1.65	*4	13	3.48
Stepney	9.03	2.20	8	8	..
Thatchfield L. S.	8.47	1.83	17	12	..
Tobolski	5.62	1.36	19	12	..
Unity	17.26	6.49	19	13	7.84
Watt Town	10.17	4.55	19	9	5.74
Wilton	4.30	1.67	23	8	..
St. Mary					
Agualta Vale	5.30	1.53	16	10	4.71
Castleton Gardens	15.34	4.42	4	15	12.12
Devon Pen, L.S.	3.04	1.38	16	8	..
Dover A. C.	8.65	5.34	16	11	4.95
Enfield	4.21	2.20	17	5	6.74
Fort Stewart	5.14	3.10	16	7	..
Fort Stewart, L.S.	5.78	2.66	16	9	..

Stations	September, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Mary, *contd.*					
Gibraltar	5.15	2.50	16	9	..
Golden Grove, East	5.73	3.40	16	8	..
Golden Grove, West	5.16	3.06	16	7	..
Gray's Inn Cntl. Facty.	4.75	2.12	16	9	..
Guy's Hill	12.81	3.65	19	18	7.04
Hampstead	8.02	2.50	19	9	5.82
Iter Boreale	5.89	3.00	16	9	..
Jack's River	7.74	2.70	30	10	..
Lady Hole	7.06	4.62	16	9	..
Lower Esher	6.08	2.56	19	8	..
Lucky Hill	8.53	2.20	18	9	3.65
Lucky Hill Pen	9.57	2.10	4	10	..
Newry	4.72	1.53	30	11	..
Nutfield A. C.	6.10	2.50	30	9	..
Oracabessa	4.51	1.50	16	7	5.75
Orange River	7.51	2.60	19	15	..
Platfield	12.78	2.96	18	15	..
Port Maria	7.65	2.70	30	11	4.29
Quebec	8.75	5.45	30	5	4.77
Retreat	8.72	2.02	30	16	..
Richmond	8.78	2.61	19	12	5.91
Warwick	6.87	1.30	19*	9	..
Water Valley	5.24	1.62	30	9	4.66
Western St. Mary	8.04	2.46	20	9	..
Windsor Castle	10.67	3.05	19	12	5.00
Portland					
Balcarres	6.21	1.89	18	7	7.56
Belle Vue	5.72	1.70	16	9	..
Belvedere	4.61	1.69	16	10	2.98
Boundbrook, L.S.	22.33	8.26	18	14	..
Bruton Hall	14.40	5.00	18	13	..
Buff Bay	6.49	1.80	17	18	5.17
Bybrook	4.94	1.93	16	10	..
Caenwood	N.A.	..	..	..	..
Castle Comfort	16.76	7.00	18	14	..
Cedar Hurst	9.69	3.77	18	13	8.15
Chepstowe	6.68	2.70	16	10	..
Darley	14.88	5.67	18	17	..
Ecclesdown	17.92	6.27	18	14	..
Fellowship	27.17	7.32	18	13	12.41
Fruitful Vale	8.88	5.26	18	7	..
Hope Bay	9.78	2.74	25	12	7.31
Hopewell	7.93	1.85	16	10	..
Lennox	7.65	3.50	24	8	6.44
Manchioneal	15.61	2.95	17	17	10.25
Mill Bank	23.01	4.00	19	16	17.20
Moore Town	21.12	2.95	18	14	15.02
Mount Holstein	8.66	3.20	18	10	9.71
Mount Pleasant	14.92	3.97	18	8	..
Passley Gardens	15.32	..	..	..	9.73
Plum Valley	5.64	2.16	16	8	..
Port Antonio	20.21	8.17	18	11	10.48
Priestman's River	16.20	5.75	18	15	10.40
Shrewsbury	14.62	5.26	18*	9	9.44
Spring Garden	7.15	1.55	16	10	5.59
Tom's Hope	24.80	7.80	18	15	..
Windsor A. C.	22.12	6.00	18	13	..

Stations	September, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Thomas					
Barret's Gap	19.41	3.97	17	13	..
Bath	13.73	3.30	17	17	12.45
Bowden Pen	23.53	3.30	17	16	..
Cedar Valley	13.26	3.20	19	18	11.85
Citron Valley L.S.	8.28	2.31	17	13	..
Clifton Hill	7.76	2.13	17	15	..
Coley	16.22	3.20	17	16	10.79
Duckenfield	7.97	2.33	17	14	..
Easington	10.11	1.93	18	13	8.39
East Prospect	6.52	2.50	17	14	8.85
Golden Grove J. S. E.	10.85	3.00	18	13	..
Llandewey	9.55	2.00	18	10	..
Lloyds	10.06	2.04	18	11	..
Lyssons L.S.	4.36	2.00	17	11	..
Morant Bay	8.63	3.62	17	9	8.12
Morant Pt. Lighthouse	5.68	1.58	16	17	6.85
Norris	9.93	1.92	18	12	..
Plantain Garden River	21.01	2.65	18	16	..
Pleasant Hill	9.93	3.00	17	12	8.85
Rowlandsfield L. S.	12.41	2.98	18	20	..
Seaforth	12.03	3.77	17	17	..
Spanishwood	7.50	2.30	17	16	..
Sunning Hill L.S.	17.42	3.75	17	16	..
Wheelerfield	11.12	2.25	17	16	..
Yallahs	10.76	2.15	18	10	7.04
Kingston and St. Andrew					
Bamboo Avenue	6.37	1.80	18	14	..
Brandon Hill	8.26	2.42	13	7	..
Cavaliers	5.89	1.42	20	14	..
Clifton Pen	6.59	1.65	20	13	4.49
Constant Spring F. P.	8.71	2.78	7	16	..
Constant Spring Ch. R.	7.36	2.50	19	13	..
Dallas Castle	6.33	2.20	7*	4	10.92
Fort George	6.12	1.01	22	20	..
Golden Spring	7.61	1.80	18	12	..
Gordon Town	11.23	3.60	18	12	8.06
Guava Ridge	10.62	3.90	18	15	7.29
Halfway Tree	4.56	1.00	18	9	4.82
Harbour Head	6.80	2.83	19	12	..
Hardware Gap P.W.D.	11.72	4.48	18	11	10.60
Hermitage	7.86	2.80	19	16	9.69
Hill Gardens	14.36	5.55	18	15	9.27
Hope Farm Agr. Stn.	7.17	2.20	19	8	7.14
Hope Laboratory	6.24	1.80	19	13	..
Hope Water Works	6.21	1.77	7	15	..
Irish Town	12.24	4.90	18	8	8.55
Iver	7.08	1.89	18	17	..
King's House Gardens	5.17	1.12	18	14	5.44
Langley	7.97	2.46	19	9	..
Lawrence Tavern	7.46	1.32	20	10	9.80
Mavis Bank	10.51	3.90	18	15	7.29
Mount Airy	8.38	2.17	18	10	..
Mount Cressy	6.33	2.20	18	17	..
Mount Salus	10.34	1.71	7	14	..
Newcastle	9.49	3.70	19	14	..
Penfield Water Works	8.74	2.82	18	13	..
Red Hills	7.02	1.67	19	12	8.14

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

Stations	September, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Rose Hill	7.96	2.70	19	14	12.22
Seaview Filter Plant	6.86	2.00	18	16	..
Shortwood College	5.92	1.13	19	17	..
Stony Hill	5.83	1.07	18	17	9.93
Twickenham Pen	4.47	1.04	22	14	..
Up Park Camp	6.29	1.25	18	11	..
Kingston					
Kingston P. W. O.	4.89	1.57	17	6	3.36
Palisadoes	6.35	1.46	18	11	..
Parade Gardens	5.14	1.40	20	10	..
Plumb Pt. Lighthouse	6.43	1.30	4	8	4.32
St. George's College	5.70	1.20	20	9	..
Upper Kingston	5.63	1.52	20	14	4.53
St. Catherine					
Above Rocks	10.44	2.03	21	11	..
Barry and Lloyds L.S.	9.21	2.50	17	12	..
Bellas Gate	15.20	5.20	19	10	5.64
Bog Walk	11.40	3.40	20	12	6.89
Brown's Hall	9.35	1.94	27	15	9.81
Carew Castle	14.48	3.32	17	12	10.35
Ewarton	12.01	4.06	19	12	..
Ginger Ridge	17.38	6.90	18	14	..
Glengoffe	10.82	2.50	20	10	..
Grove Farm A. C.	7.98	1.20	23	13	..
Guanaboa Vale	9.46	3.77	22	9	5.77
Headworks	8.60	3.92	17	13	6.19
Hematine	5.51	1.29	22	15	4.51
Hog Hole	7.98	2.01	19	14	5.68
Knollis	10.35	3.56	19	11	7.46
Linstead	9.99	3.10	17	10	7.40
Old Harbour	8.72	3.08	19	13	6.01
Pear Tree Grove	7.79	3.50	19	9	5.78
Point Hill	15.49	3.75	19	14	10.65
Quarantine Station	6.16	1.82	17	11	3.25
Rio Magno	13.66	3.55	17	12	5.43
Riversdale	12.87	3.00	19	11	8.08
Sligoville	12.13	2.75	20	18	9.69
Spanish Town	6.37	1.26	22	14	4.84
Troja	12.93	3.50	19	13	5.97
Troja, L. S.	16.07	3.55	19	12	..
Tulloch Estate	12.37	3.60	17	10	..
Twickenham A. C.	5.65	1.17	20	10	..
Worthy Park	16.99	10.45	18*	11	7.50
Clarendon					
Amity Hall	7.74	2.41	17	12	..
Beauchamp	6.91	1.40	22	12	..
Belle Plain	13.38	4.60	17	11	8.12
Bog	7.06	2.48	17	11	..
Brixton Hill	15.33	2.80	18	14	..
Building	8.07	1.62	24	13	..
Bull Head	16.93	3.05	18	13	..
Carlisle	8.54	2.02	24	15	..
Clarendon Park J.G.R.	13.74	3.02	17	13	..

Stations	September, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Chapelton	10.49	2.28	17	13	7.77
Colonel's Ridge	13.21	2.76	19	14	..
Cottage	6.68	2.05	17	12	6.40
Cotton Tree Gully	6.11	1.40	17	11	..
Croft's Hill	10.87	3.42	19	9	8.41
Crooked River	18.43	3.75	17	16	7.14
DaCosta	6.44	2.78	17	12	..
Douce Pennants	22.55	5.45	17	14	..
Exeter	6.43	1.40	24	13	8.15
Frankfield	19.73	5.10	20	13	8.09
Gibbons	6.31	2.00	17	10	..
Glen Muir	10.59	2.20	18	13	4.92
Grimmetts	4.67	1.30	22	8	..
Hillside	8.65	1.86	17*	11	5.34
James Hill	21.03	5.20	20	11	..
Kellits	12.43	4.15	19	11	..
Knights	6.70	1.50	17	11	..
May Pen	10.10	2.80	19	13	6.72
Milk River	5.43	1.05	21	12	6.76
Morelands	7.69	4.35	17	12	6.12
Peckham, L. S.	19.71	5.55	19	16	..
Pennants	12.48	2.40	21	11	..
Pusey Hall	6.65	2.00	17	13	..
Rock River	13.24	4.25	19	11	5.90
Salt Savannah	6.61	1.55	17	14	..
Silent Hill	15.94	6.23	19	12	..
Spaldings	21.65	9.04	19	15	7.82
Springfield	3.69	.85	22	9	5.05
Suttons, J. G. R.	12.27	2.52	19	14	7.48
Suttons, W. I. S. Coy.	7.61	2.40	17	11	..
Teak Pen L. S.	13.93	5.50	17	13	..
Thompson Town	22.48	6.60	20	16	..
Trout Hall	20.73	5.72	20	14	10.47
Tweedside	13.64	4.48	19	9	..
Manchester					
Alligator Pond	7.47	1.43	28	14	5.34
Christiana	15.46	4.42	18	17	8.70
Chudleigh	19.43	7.25	18	17	9.50
Cocoawalk L. S.	21.28	3.00	20*	11	..
Craig Head	14.69	3.40	19	11	..
Downs	9.37	2.71	17	13	..
Dunkeld	14.74	7.30	18	13	..
Garlogie	33.31	7.60	20	14	..
Greenvale	15.16	3.43	19	18	7.81
Grove Place	15.01	5.85	18	15	..
Holmwood	15.07	5.44	19	16	..
Hope, Spur Tree	13.41	3.12	19	17	..
Kendal	17.40	5.32	18	15	9.28
Mandeville	15.95	4.82	19	12	9.92
Mandeville, (Manchester Hotel)	16.59	4.44	19	11	..
Mile Gully	14.64	4.87	19	13	..
New Forest, L. S.	7.27	1.50	17	11	..
Newport	16.69	3.30	21	15	8.23
Porus	29.75	6.75	20	17	..
Ramble	29.59	5.95	20	13	..
Retrieve	13.10	2.06	22	11	6.43
Stones Hope	14.96	2.85	21	13	8.58
Williamsfield	20.37	6.00	19	13	9.02

*And on other days.

Stations	September, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Elizabeth					
Aberdeen	10.30	1.82	14	13	..
Accompong	11.04	4.51	17	17	..
Appleton	8.10	2.20	17	13	11.74
Balaclava	10.25	2.85	17	11	10.30
Bartons	N.A	..	..	..	..
Black River	6.79	1.80	17	8	5.27
Braes River	12.37	3.60	19	13	..
Bull Savannah	9.66	1.85	17	12	..
Fort Charles	10.98	2.24	14*	7	3.53
Ginger Hill	14.01	3.72	19	16	..
Gutters	13.45	3.65	17	13	..
Hodges Estate	7.89	2.24	17	11	..
Holland Estate	6.84	3.15	17	12	..
Hounslow	13.04	3.40	17	12	..
Ipswich	16.73	4.77	17	14	..
Lacovia	4.12	1.50	20	5	5.55
Lititz	9.37	2.71	17	13	..
Maggotty	8.68	4.02	17	13	11.42
Malvern	10.85	2.48	19	15	..
Middle Quarters	7.81	2.86	16	10	..
Mount Charles	4.87	.80	18	13	..
Mulgrave	16.72	3.95	18	14	..
Munro	12.76	3.03	19	16	5.98
Myersville	6.35	1.51	14	10	..
Pedro Plains	8.91	2.40	23	13	4.10
Quickstep	12.48	2.50	19	12	..
Santa Cruz	8.28	2.70	19	13	9.41
Southfield	14.67	4.00	17	12	..
Springfield	15.77	4.14	20	11	..
Springvale	13.17	5.55	17	14	..
Torrington	14.60	3.95	17	11	6.45
Treasure Beach	7.79	2.62	24	7	..
Williamsfield	7.25	1.30	14	11	..
Windsor	11.31	3.04	19	15	7.64
Yardley Chase	6.35	2.60	23	8	..
Westmoreland					
Barham	18.35	5.27	23	15	..
Bath Pen	15.97	3.62	18	9	..

Stations	September, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Westmoreland, *contd.*					
Baulk	21.28	6.70	23	15	..
Belle Isle	16.78	3.68	23	16	10.45
Bethel Town	15.27	2.87	19	14	14.22
Blue Castle	16.51	4.40	23	15	..
Blue Fields	22.35	4.23	17	16	10.52
Cornwall	15.67	4.17	23	14	..
Darliston	19.13	3.50	23	19	14.61
Fontabelle	10.93	2.65	23	17	10.58
Friendship	17.31	5.00	23	15	..
Frome	13.91	4.35	23	16	..
Kew Park	15.39	4.11	19	18	12.06
Lamb's River	18.01	3.75	19	19	..
Little London	12.94	3.15	23	14	9.37
Masemure	11.56	2.62	23	16	..
Meyersfield	13.04	4.08	23	13	..
Midgham	14.73	3.63	23	16	..
Mint	12.45	3.42	23	18	..
Mount Eagle	12.88	4.05	23	17	..
Mount Eagle (P.W.D.)	9.55	1.47	23	15	..
Mount Edgecombe	13.16	3.24	18	13	7.99
Negril Pt. Lighthouse	8.62	1.42	18	15	6.39
New Market	10.51	3.80	20	10	11.50
Paul Island	14.10	3.65	23	15	..
Petersfield	15.91	3.74	23	14	..
Petersville	12.06	2.95	18	12	9.48
Prospect	18.99	6.30	23	13	..
Rat Trap	15.81	4.00	23	10	..
Retreat Estate	9.90	3.55	23	14	7.44
Retrieve	8.99	2.20	23	14	..
Sav.-la-Mar	14.84	4.00	18	12	7.14
Sheffield	16.93	5.10	23	16	..
Shrewsbury	17.26	3.92	23	15	..
St. Leonards	16.33	3.50	20	14	..
Water Works Farm	16.63	3.30	23	17	11.01
Welch Pole	16.00	3.00	19	15	..
Whithorn	12.72	2.08	22	10	11.17
Williamsfield	9.19	2.00	19*	12	..

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

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

Raingauge Station Notes

Many stations that have not sent readings in for some time have been or will be omitted from the tables. There is still great difficulty in obtaining monthly returns at all promptly.

Stations are reminded that the fall measured at 7 a.m. should be credited to the *previous* day, not the day of measurement.

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 representatives of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average 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 1948 is also compared with the averages.

Comparative Table of Rainfall Means—September, 1948

Parish	Rainfall for September			Rainfall, Jan.–Sept.	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	13.53	8.95	13.0	77.60	61.65
St. James	10.77	6.44	11.4	57.30	45.68
Trelawny	6.51	6.33	9.1	41.69	44.45
St. Ann	10.14	4.86	12.1	55.76	40.72
St. Mary	7.66	5.84	10.3	62.36	50.97
Portland	14.98	13.77	13.0	96.04	89.28
St. Thomas	11.90	9.66	14.3	70.21	53.27
Kingston and St. Andrew	7.41	8.04	12.2	47.44	43.23
*Kingston	5.87	3.81	9.6	30.44	20.32
St. Catherine	10.88	6.40	12.2	55.39	43.75
Clarendon	13.45	7.38	12.4	52.69	44.98
Manchester	15.80	8.27	13.2	53.94	51.53
St. Elizabeth	10.29	7.45	12.0	44.89	50.30
Westmoreland	14.39	9.31	14.2	66.53	66.98
The Island	11.41	7.61 "70-Year"† 7.90	12.3 "45-Year" 12.6	60.95	50.51 "70-Year" 51.61

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

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

The September Rainfall

The rainfall for the month was 50% in excess of the normal.

All Parishes received high monthly totals with the exception of Kingston and St. Andrew, where there was a deficit of 8%

The wettest Parishes were St. Ann, Manchester, Clarendon and St. Catherine. St. Ann received more than double the normal rainfall.

The cumulative total from the beginning of the year gives an excess of 21% for the Island mean—only 3 Parishes (St. Elizabeth, Trelawny and Westmoreland) reported totals below normal.

The three Stations with the highest monthly totals were all in the Parish of Manchester—Garlogie 33.31inches, Porus 29.75 inches and Ramble 29.59 inches.

The highest daily rainfall was reported by Spaldings (Clarendon) with 9.04 inches, which is much greater than the average monthly figure for that Station.

The City of Kingston

All temperatures were slightly more than 1°F above the normal for the time of the year.

The highest maximum 94.6°F was the highest recorded in the City during September since 1943, when 95.2°F was experienced. At Hope Gardens a temperatiure of 96.9°F was reached, the highest reading in any month since July of last year, when the record figure of 98.9°F was reached.

Thunderstorms occurred at Palisadoes on 7 days during the month. Distant thunder was heard on 8 other days and lightning was observed on a further 12 days.

Solar or lunar halos were observed on 9 occasions.

Tropical Storms in September, 1948

A minor tropical storm entered the Caribbean passing between St. Lucia and Martinique in the early morning of 1st September and dissipated south of Puerto Rico on the 2nd. The resulting heavy rains on the island of Puerto Rico were very beneficial to crops and water supply and more than offset minor damage caused by floods.

The only other storm to affect the Caribbean was caused by an easterly wave, which developed into a storm centre after crossing Jamaica, giving heavy rains between the 17th and the 20th. The storm centre moved north over Cuba and Florida, then curving NE out over the Atlantic. The storm developed into a hurricane by the time it crossed the south coast of Cuba and winds of 90-100 m.p.h. were reported. Extensive damage was suffered by the city of Matanzas and Press reports indicate that 10 people lost their lives.

In its passage over the Florida Straits on the 21st the centre deepened considerably and winds of 122 m.p.h. were recorded before the anemometer was blown away at the Boca Chica Airport, 8 miles ENE of Key West.

Sunshine

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

Period		Grove Place	Hope Lab.	Orange River	Palisadoes
6–7	a.m.	.08	.25	.12	.34
7–8	"	.54	.63	.57	.60
8–9	"	.64	.72	.67	.72
9–10	"	.70	.80	.72	.83
10–11	"	.73	.79	.69	.81
11–12	noon	.70	.81	.62	.82
12–1	p.m.	.70	.76	.65	.79
1–2	"	.62	.69	.60	.74
2–3	"	.45	.52	.51	.65
3–4	"	.39	.47	.49	.51
4–5	"	.28	.43	.39	.47
5–6	"	.08	.18	.17	.22
Total		5.92	7.05	6.20	7.50
Percentage		49	58	51	61
No. of days over 10 hours		3	8	4	8
Cloudiest day		20th & 24th (0.0)	19th (0.0)	19th (0.0)	19th & 24th (0.0)

Earthquakes

Date	Time	Intensity	Where felt, etc.

None reported this month.

W. J. Fowler,
Air Ministry Meteorological Officer,
Jamaica Government Meteorologist.

Meteorological Office,
Palisadoes,
Kingston, Jamaica, B.W.I.,
30th October, 1952.

DEC 2 9

No. 869

JAMAICA

WEATHER REPORT

FOR THE MONTH OF OCTOBER, 1948

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 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 tenths 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.	ins.	ins.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs.
Castleton Gardens ..	496	..	..	69.2	82.3	..	84.9	65.0	19.9	87.5	17	60.1	11	27.4	..
Grove Place A.C. ..	1460	..	..	70.5	77.5	..	83.0	65.3	17.7	86.4	1	61.4	16	25.0	6.2
Hill Gardens ..	4900	..	..	62.1	67.7	..	71.8	59.4	12.4	76.0	1*	56.3	31	19.7	..
Hope Laboratory ..	668	..	..	72.5	84.5	..	89.2	69.7	19.5	93.1	1	66.3	7	26.9	7.1
Kingston ..	80	..	..	76.2	85.5	..	88.8	74.0	14.8	91.0	16	71.7	7	19.3	..
Lorrimers ..	2700	..	..	68.1	..	..	80.0	65.0	15.0	85.0	8	60.0	14	25.0	..
Morant Pt. Lighthouse .	8	29.889	29.875	80.2	85.5	81.2	86.9	75.9	11.0	90.0	13	70.0	16	24.0	..
Negril Pt. Lighthouse ..	33	29.869	29.857	76.1	86.8	79.1	87.9	72.1	15.8	91.0	22	71.0	2	20.0	..
Orange River Exp. St.	450	..	..	72.1	81.1	..	87.1	68.8	18.3	90.5	27*	65.4	7*	25.1	6.3
Palisadoes Airport ..	19	29.893	29.873	79.4	86.1	81.1	87.4	77.1	10.3	89.0	2*	75.0	2*	14.0	8.6

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	88	76	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	69	94	70	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	59	90	65	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	71	92	74	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	72	87	75	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers ..	66	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	75	85	77	73	75	82	SE	10	SE	9	SE	8	5.1	7.9	5.0	6.4	3.9	4.2
Negril Pt. Light Hs.	72	89	76	69	74	84	E	3	SE	7	SE	3	2.1	6.3	4.5	6.1	4.0	4.5
Orange River Ex. St.	70	96	73	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	73	83	77	74	75	82	Calm		SE	9	ESE	9	0.9	5.7	1.3	5.9	1.3	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 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, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish ..	6.56	1.09	28	12	15.46
Blenheim ..	5.53	1.77	24	9	..
Blue Hole ..	10.27	2.39	27	10	10.63
Cascade ..	11.83	3.20	24	11	..
Copse ..	4.87	1.55	29	8	10.07
Cousin's Cove ..	4.57	1.76	24	24	10.78
Green Island ..	4.43	1.13	18	11	8.98
Green River ..	7.90	1.50	2	13	..
Haughton Court, A.C.	5.69	1.18	6	11	7.54
Haughton Grove ..	10.24	2.66	24	15	11.82
Haughton Hall ..	5.78	1.65	10	12	8.64
Hopewell ..	4.97	1.45	26	12	..
Kendal ..	4.33	1.61	15	8	..
Kingsvale ..	3.34	.70	24	9	8.65
Lucea ..	3.10	.94	29	5	8.60
Retirement ..	6.61	1.30	8	11	..
Santoy, L.S. ..	5.81	2.25	2	7	..
Shettlewood ..	8.15	3.09	24	11	..
St. James					
Adelphi ..	6.03	1.67	29	8	..
Anchovy ..	5.30	1.86	6	8	6.94
Cambridge ..	6.00	2.23	6	7	13.28
Catadupa ..	7.71	1.62	10	13	14.92
Cinnamon Hill ..	5.28	2.20	17	9	6.81
Cornwall Works ..	7.12	2.93	17	12	..
Friendship ..	4.91	1.80	29	10	10.24
Irwin, A.C. ..	3.18	.89	5	10	6.86
John's Hall	3.79	1.58	5	4	..
Kempshot ..	2.45	.77	24	8	9.97
Lapland ..	7.71	1.62	10	13	..
Latium, L.S. ..	3.05	1.07	29	11	8.96
Maldon ..	4.18	.94	6	11	..
Mocho ..	9.84	1.88	15	13	19.02
Montego Bay ..	3.87	.60	25	11	7.68
Montpelier ..	7.53	1.53	24	11	9.68
Retirement ..	4.73	1.85	29	11	9.54
Richmond Hill ..	6.08	1.71	24	12	..
Rose Hall ..	4.91	1.74	17	10	6.71
Running Gut ..	6.65	2.40	17	10	5.94
Spring Estate ..	6.58	2.11	17	10	6.33
Success ..	5.20	1.74	17	9	6.26
Sweetwater ..	6.24	1.20	18	13	..
Tryall ..	5.99	2.17	17	9	6.36
Vaughansfield ..	10.80	3.80	6	7	..
Windsor Lodge ..	0.31	.15	18	4	..

N. A. = Not available

Stations	October, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Trelawny	Ins.	Ins.			Ins.
Albert Town ..	11.36	3.10	16	12	11.75
Arcadia ..	3.86	.90	19	13	6.45
Clark's Town ..	5.87	2.04	24	14	9.04
Duncans ..	4.64	1.40	22	12	6.19
Falmouth ..	3.81	1.10	25	11	5.66
Harmony Hall ..	3.82	1.51	24	12	5.35
Hyde and Gibraltar ..	8.22	2.39	24	10	..
Litchfield ..	6.68	1.65	9	15	..
Lorrimers ..	8.15	2.00	18	17	..
Reserve Pen, L.S. ..	4.50	2.00	23	6	..
Stewart Town ..	8.89	2.35	10	12	..
Troy ..	7.38	1.50	19	13	15.89
Troy, L.S. ..	9.53	1.66	19	14	..
Ulster Spring ..	9.57	1.90	15	11	11.72
Vale Royal ..	4.74	1.20	24	14	6.62
Wait-a-bit ..	8.32	2.00	8	16	..
Wakefield ..	7.51	1.79	24	9	9.25
Warsop ..	7.75	1.35	20	12	15.43
St. Ann					
Alexandria ..	6.31	1.80	10	7	8.20
Armadale ..	7.67	1.33	15	10	..
Averham Park ..	18.83	4.20	18	15	10.57
Bel-Air ..	5.60	2.40	24	14	7.86
Beverley, L.S. ..	6.14	2.05	24	12	..
Brown's Town ..	3.67	1.32	23	13	8.62
Cave Valley ..	6.46	1.24	24	12	9.47
Claremont ..	10.44	3.22	29	11	8.59
Cuffie Ridge ..	7.91	2.58	14	18	..
Eltham ..	9.01	1.61	24	12	..
Exchange ..	8.37	2.45	29	7	..
Greenock ..	6.90	1.36	24	13	..
Home Castle ..	6.90	2.25	24	6	7.18
Knapdale ..	6.29	1.67	24	14	9.41
Liberty Hill ..	7.05	3.05	18	9	5.95
Moneague ..	9.13	2.55	18	12	9.32
New Ground A.C. ..	8.19	1.94	19	10	..
Ocho Rios ..	11.00	1.81	30	12	6.26
Queen Hythe, L.S. ..	6.90	2.25	24	6	..
Richmond Estate ..	8.22	2.45	18	12	6.81
Richmond Pen, L.S. ..	8.48	2.63	29	10	7.43
Rio Hoe ..	7.86	1.72	18	16	9.15
Rockfield ..	13.63	4.98	18	16	7.55
Runaway Bay ..	4.36	1.12	24	10	4.13
Rural Retreat ..	8.89	2.35	18	12	..
St. Ann's Bay ..	9.61	2.41	18	11	6.94
Stepney ..	6.13	2.00	18	8	..
Thatchfield, L.S. ..	7.91	2.52	24	11	..
Tobolski	3.46	1.32	23	11	..
Unity ..	12.28	4.82	18	12	9.64
Watt Town ..	4.64	1.31	18	6	7.29
Wilton ..	2.48	1.71	24	7	..

Stations	October, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Mary					
Agualta Vale	3.69	0.75	17	12	7.05
Castleton Gardens	11.05	3.30	17	17	15.59
Devon Pen, L.S.	13.04	4.60	10	11	..
Dover, A.C.	7.62	2.19	21	14	8.25
Enfield	9.26	2.50	24	12	13.69
Fort Stewart	4.00	1.50	21	8	..
Fort Stewart, L.S.	8.92	2.32	24	15	..
Gibraltar	5.55	2.40	24	11	..
Golden Grove, East	3.12	1.50	21	7	..
Golden Grove, West	3.80	1.50	21	8	..
Gray's Inn Cen. Fact.	3.80	1.00	24	11	..
Guy's Hill	8.26	1.51	19	23	9.59
Hampstead	10.67	2.00	24	11	8.91
Highgate	8.45	1.67	24	17	..
Iter Boreale	4.38	1.70	21	8	..
Jack's River	5.61	.78	22	14	..
Lady Hole	6.55	1.97	24	10	..
Lower Esher	8.01	1.37	17	11	..
Lucky Hill	4.72	.91	18	10	9.05
Lucky Hill Pen	9.89	5.40	29	8	..
Newry	3.97	.84	26	10	..
Nutfield, A.C.	4.95	1.30	21	13	..
Oracabessa	7.24	1.50	30	13	11.01
Orange River	6.79	1.70	24	10	..
Platfield	9.66	3.00	17	17	..
Port Maria	6.02	1.11	30	11	8.46
Prospect Estate	11.23	3.00	29	9	..
Quebec	7.70	1.00	17*	18	10.09
Retreat	6.89	1.45	24	14	..
Richmond	6.85	1.36	14	11	8.45
Warwick Castle	8.54	1.05	6	19	..
Water Valley	4.08	.80	17	13	7.28
Western St. Mary	5.07	1.13	21	12	..
Windsor Castle	9.86	1.64	19	22	12.76
Portland					
Balcarres	12.22	2.13	17	16	18.53
Belle Vue	10.02	2.70	21	10	..
Belvedere	10.07	2.20	21	13	8.45
Boundbrook, L.S.	17.14	3.32	17	12	..
Bruton Hall	12.79	3.55	21	17	..
Buff Bay	8.63	2.31	31	11	9.62
Bybrook	8.33	2.10	21	15	..
Caenwood, A.C.	N/A	..	..	..	..
Castle Comfort	16.02	2.35	13	18	..
Cedar Hurst	6.23	1.34	17	22	19.16
Chepstowe	12.51	4.53	30	11	..
Darley	13.86	3.08	18*	13	..
Ecclesdown	23.90	3.19	22	14	..
Fellowship	16.20	3.95	21	11	17.13
Fruitful Vale	16.35	3.55	30	14	..
Hope Bay	9.54	2.40	21	13	14.02
Hopewell	8.16	2.84	31	12	..
Lennox	10.60	4.30	30	7	12.28
Manchioneal	19.01	3.10	17	15	17.35
Mill Bank	11.49	2.00	21*	13	28.86
Moore Town	15.48	2.57	31	15	20.50
Mt. Holstein	11.80	2.60	17	18	13.81
Mt. Pleasant	11.31	2.85	18	9	..
Passley Garden	9.13	..	..	..	16.57
Plum Valley	9.56	3.53	30	5	..

Stations	October, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Portland, *contd.*					
Port Antonio	11.79	2.50	24	10	14.81
Priestman's River	15.16	2.30	13	17	15.37
Shrewsbury	20.00	4.67	21	14	12.51
Spring Garden	8.41	2.60	30	12	8.50
Tom's Hope	12.65	2.10	21	11	..
Windsor, A.C.	13.77	2.75	20	11	..
St. Thomas					
Barrett's Gap	10.75	2.00	16	15	..
Bath	10.99	2.25	24	13	17.82
Bowden Pen	25.83	4.10	24	16	..
Cedar Valley	14.12	2.75	2	22	15.49
Citron Valley, L.S.	6.62	1.97	2	10	..
Clifton Hill	8.53	1.30	2	15	..
Coley	10.52	1.70	2	15	15.02
Duckenfield	8.58	1.77	18	21	..
Easington	7.11	2.00	2	12	12.17
East Prospect	7.28	1.65	16	14	13.92
Golden Grove, J.S.E.	14.35	3.85	19	22	..
Llandewey	7.65	3.30	2	10	..
Lloyds	8.33	2.64	2	9	..
Lyssons, L.S.	4.60	1.04	7*	10	..
Morant Bay	7.91	2.00	17	10	13.06
Morant Point Light Hs.	8.81	2.15	18	20	11.71
Norris	7.11	2.00	2	12	..
Plantain Garden River	17.97	2.61	16	21	..
Pleasant Hill	9.50	1.75	24	16	14.16
Rowlandsfield, L.S.	13.80	2.60	17	21	..
Seaforth	9.46	1.77	2	18	..
Spanishwood	7.95	1.68	24	22	..
Sunning Hill, L.S.	9.07	2.30	17	18	..
Torre Garda	N.A.	..	..	..	..
Wheelerfield	12.77	2.77	16	19	..
Yallahs	7.84	2.12	17	8	13.41
Kingston and St. Andrew					
Bamboo Avenue	6.21	1.88	9	13	..
Brandon Hill	8.10	4.00	10	8	..
Cavaliers	4.03	1.06	2	11	..
Clifton Pen	2.97	1.10	2	11	7.39
Constant Spring, F.P.	8.29	1.40	16	17	..
Constant Spring, Ch. Rd.	13.98	3.80	10	12	..
Dallas Castle	4.32	1.55	2	6	16.15
Fort George	8.07	1.26	8	18	..
Golden Spring	14.47	2.10	15	15	..
Gordon Town	8.05	1.72	24	14	13.04
Grey Weathers	7.89	1.20	17	17	..
Guava Ridge	7.97	1.44	8	16	17.13
Halfway Tree	2.74	.92	17	5	8.33
Harbour Head	4.63	1.39	2	10	..
Hardware Gap, P.W.D.	10.55	3.00	15	17	16.12
Hermitage	11.94	2.07	15	20	15.20
Hill Gardens	10.19	2.03	17	17	16.37
Hope Farm Ag. Stn.	7.40	1.70	8	12	10.00
Hope Laboratory	6.41	1.70	9	13	..
Hope Waterworks	6.43	1.43	9	12	..
Irish Town	7.66	1.40	14	10	12.13
Iver	6.15	1.26	18	13	..
King's House Gardens	5.14	1.16	21	12	8.48

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

Stations	October, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Langley	14.43	3.74	6	14	..
Lawrence Tavern	8.62	2.18	24	15	12.18
Mavis Bank	7.37	1.37	8	18	17.13
Mount Airy	14.61	2.89	17	11	..
Mount Cressy	13.41	2.65	10	21	..
Mount Salus	8.31	1.65	8	15	..
Newcastle	9.06	2.17	16	16	..
Penfield Water Works	5.92	1.15	8	16	..
Red Hills	8.17	2.42	8	13	13.34
Rose Hill	9.95	1.85	17	17	15.32
Sea View F.P.	10.13	1.60	16	19	..
Shortwood College	7.00	1.66	10	16	..
Stony Hill	7.75	1.47	17	11	14.30
Twickenham Pen	3.03	.99	2	9	..
Up Park Camp	2.98	1.08	17	6	..
Kingston					
Kingston P.W.O.	4.60	1.71	20	5	6.19
Palisadoes	5.03	1.34	2	12	..
Parade Gardens	4.08	1.42	20	10	..
Plumb Pt. Lighthouse	3.63	1.25	2	5	7.29
St. George's College	4.06	.90	2	11	..
Upper Kingston	4.60	1.20	20	13	7.43
St. Catherine					
Above Rocks	5.99	2.20	15	11	..
Barry & Lloyds, L.S.	12.47	4.83	18	10	..
Bellas Gate	10.21	2.42	18	11	12.95
Bog Walk	8.22	1.55	16	8	11.48
Brown's Hall	13.17	2.20	19	19	12.12
Carew Castle	8.38	1.97	11	8	12.37
Ewarton	6.55	1.72	24	8	..
Ginger Ridge	12.50	2.25	20	20	..
Glengoffe	10.14	2.57	24	11	..
Grove Farm, A.C.	4.09	.97	21	10	..
Guanaboa Vale	8.01	1.72	17	12	11.99
Headworks	6.55	1.76	17	11	9.35
Hematine	3.64	1.25	17	10	7.50
Hog Hole	4.70	1.42	17	12	9.34
Knollis	12.81	5.70	18	10	11.41
Linstead	7.74	2.22	24	7	9.67
Old Harbour	7.61	1.93	17	16	9.94
Pear Tree Grove	5.91	1.63	19	10	10.95
Point Hill	15.90	3.85	19	15	14.91
Quarantine Station	4.11	1.70	20	7	6.21
Rio Magno	9.64	2.10	19	9	10.40
Riversdale	7.30	2.02	18	8	10.52
Sligoville	8.80	3.68	18	15	13.40
Spanish Town	3.85	1.68	17	6	8.57
Troja	7.53	1.70	17	12	10.55
Troja, L.S.	11.53	3.07	17	9	..
Tulloch Estate	9.72	2.80	18	11	..
Twickenham, A.C.	3.34	1.55	17	5	..
Worthy Park	7.03	2.04	24	13	9.98
Clarendon					
Amity Hall	6.18	1.20	2*	13	..
Beauchamp	7.28	1.61	20	11	..
Belle Plain	15.11	3.28	24	13	15.19
Bog	6.85	2.08	2	9	..
Brixton Hill	12.12	3.11	20	15	..

* And on other days.

Stations	October, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Building	5.22	1.24	17	9	..
Bull Head	11.73	3.55	19	15	..
Carlisle	5.00	1.12	17	15	..
Clarendon Park, J.G.R.	9.11	1.54	4	15	..
Chapelton	11.51	3.12	20	11	12.21
Colonel's Ridge	17.15	4.43	19	16	..
Cottage	7.04	2.10	2	9	10.55
Cotton Tree Gully	7.52	2.40	2	8	..
Croft's Hill	12.93	2.55	19	14	11.71
Crooked River	15.42	4.07	19	18	11.29
DaCosta	5.55	1.40	17	11	..
Douce Pennants	15.82	4.08	19	17	..
Exeter	7.63	1.67	20	10	7.08
Frankfield	8.37	.95	8*	16	11.83
Gibbons	7.54	2.12	2	10	..
Glen Muir	11.01	3.48	18	12	10.93
Grimmetts	8.56	1.70	2	11	..
Hillside	8.99	3.82	2	8	10.05
James Hill	9.37	1.10	18	17	..
John's Vale	N.A.	..	..	..	..
Kellits	12.18	3.05	19	18	..
Knights	7.24	1.70	2	12	..
May Pen	9.20	3.86	18	12	10.20
Milk River	7.99	1.42	2	13	8.64
Morelands	4.66	1.58	2	6	9.49
Mumby	6.70	1.20	2*	12	..
Peckham, L.S.	6.22	1.15	14	16	..
Pennants	13.77	3.75	20	17	..
Pusey Hall	5.92	1.30	17	12	..
Rock River	14.00	2.40	18	12	13.84
Salt Savannah	5.32	1.20	2*	10	..
Silent Hill	8.61	2.21	18	10	..
Spaldings	8.07	1.92	14	14	13.27
Springfield	5.75	1.40	2	10	9.54
Suttons, J.G.R.	12.49	1.83	19	14	13.87
Suttons, W.I.S.C.	5.77	1.40	2	10	..
Teak Pen L.S.	11.53	1.78	24	18	..
Thompson Town	15.35	3.18	14	19	..
Trout Hall	11.08	2.24	20	20	12.30
Tweedside	6.32	1.50	14	12	..
Manchester					
Alligator Pond	4.22	1.14	2	10	7.73
Christiana	13.47	3.50	20	16	11.13
Chudleigh	15.20	2.65	20	16	10.65
Cocoawalk, L.S.	3.60	1.20	15	4	..
Craig Head	8.73	2.50	10	6	..
Dunkeld	10.12	1.47	24	19	..
Garlogie	12.40	2.07	20	15	..
Greenvale	12.21	2.16	14	16	10.98
Grove Place	9.97	1.38	14	19	..
Holmwood	9.04	2.12	20	13	..
Hope, (Spur Tree)	12.73	3.21	18	18	..
Kendal	10.52	1.94	19	15	13.27
Mandeville	12.40	2.89	14	15	14.72
Mandeville (Manch. Hot)	12.74	3.22	24	16	..
Mile Gully	12.42	2.15	20	14	..
New Forest, L.S.	5.82	1.15	20	12	..
Newport	8.75	1.66	20	11	12.14
Porus	13.29	2.12	14	14	..
Ramble, L.S.	11.27	1.50	19	12	..
Retrieve	12.71	2.40	23	12	9.63
Stones Hope	10.98	2.55	18	13	12.37
Williamsfield	9.37	1.20	20	15	13 16

Stations	October, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	9.41	1.93	20	16	..
Accompong	12.80	1.56	21	19	..
Appleton	7.05	2.22	20	16	13.59
Balaclava	10.12	3.00	14	14	12.46
Bartons	8.95	4.00	14	8	..
Black River	5.56	1.56	21	8	8.14
Braes River	16.71	2.80	20	18	..
Bull Savannah	5.30	1.20	2	11	..
Fort Charles	1.80	1.00	22	2	5.70
Ginger Hill	11.98	2.40	19	18	..
Gutters	12.28	3.90	14	12	..
Hodges Estate	5.33	.83	12	15	..
Holland Estate	5.92	1.28	14	15	..
Hounslow	5.93	1.15	2	11	..
Ipswich	12.14	2.81	19	18	..
Lacovia	7.88	2.18	8	8	10.98
Lititz	6.84	1.10	14	13	..
Maggotty	5.52	1.00	21	14	13.88
Malvern	6.62	1.02	18	14	..
Middle Quarters	6.46	1.95	8	14	..
Mount Charles	6.63	1.11	8	13	..
Mulgrave	14.04	3.26	19	17	..
Munro	7.85	1.30	31	20	10.25
Myersville	5.90	1.10	17	10	..
Oxford, L. S.	6.50	1.56	19	14	..
Pedro Plains	2.31	.59	30	7	5.82
Quickstep	11.83	1.15	4*	13	..
Santa Cruz	15.96	4.15	14	15	12.13
Southfield	13.62	2.12	2	16	..
Springfield	11.11	2.31	15	13	..
Springvale	7.28	2.29	8	15	..
Torrington	8.12	1.63	31	10	10.12
Treasure Beach	4.86	1.08	20	10	..
Williamsfield	3.33	1.10	24	5	..
Windsor	6.92	.80	19	18	11.35
Yardley Chase	6.45	1.80	18	8	..

Stations	October, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland					
Barham	9.26	3.04	15	14	..
Bath Pen	2.96	1.26	20	3	..
Baulk	9.33	2.33	2	10	..
Belle Isle	9.50	2.92	15	17	10.82
Bethel Town	7.37	1.42	7	9	15.42
Blue Castle	6.63	2.22	20	13	..
Bluefields	8.80	3.55	20	12	11.19
Cornwall	2.73	.67	17	12	..
Darliston	11.55	2.20	23	16	15.48
Fontabelle	3.94	1.81	20	14	9.99
Friendship	7.62	2.08	15	14	..
Frome	7.12	1.84	20	12	..
Kew Park	8.45	2.44	24	16	12.27
Lamb's River	5.31	1.15	18	12	..
Little London	4.31	1.18	16	11	11.12
Masemure	6.25	2.50	20	15	..
Meyersfield	3.86	1.07	20	13	..
Midgham	8.19	3.00	20	16	..
Mint	8.57	2.77	15	16	..
Mount Eagle	10.01	3.72	15	17	..
Mount Eagle (P.W.D.)	7.85	1.40	2*	15	..
Mount Edgecombe	6.28	1.22	12	10	10.07
Negril Point L.H.	4.41	1.41	25	15	8.18
New Market	9.35	2.20	8	14	13.84
Paul Island	5.81	2.00	20	12	..
Petersfield	4.34	.85	2	13	..
Petersville	11.18	1.70	15	16	11.41
Prospect	10.13	1.96	8	13	..
Rat Trap	5.81	1.10	17	11	..
Retreat Estate	7.32	2.36	20	16	..
Retrieve	5.44	1.90	20	11	..
Sav.-la-Mar	9.33	2.33	2	10	8.55
Sheffield	8.49	2.60	18	16	..
Shrewsbury	6.09	1.30	24	14	..
St. Leonard's	5.72	1.62	18	8	..
Water Works Farm	7.41	1.30	17	15	11.85
Welch Pole	9.12	2.20	18	14	..
Whithorn	6.57	1.50	9	7	12.99
Williamsfield	12.30	2.75	2	16	..

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

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

Raingauge Station Notes

Great difficulty continues to be experienced in the collection of certain rainfall reports in reasonable time.

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 reasonthat the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean 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 1948 is also compared with the averages.

Comparative Table of Rainfall Means—October, 1948

Parish	Rainfall for October			Rainfall, Jan.—Oct.	
	Actual Inches	20-Year Average *Inches	Raindays No.	Actual Inches	Average †Inches
Hanover	6.76	10.51	10.8	84.36	72.16
St. James	5.73	9.00	9.9	63.03	54.68
Trelawny	7.14	9.16	11.7	48.83	53.61
St. Ann	7.78	8.26	12.1	63.54	48.98
St. Mary	7.41	9.93	13.2	69.77	60.90
Portland	13.44	15.64	13.2	109.48	104.92
St. Thomas	10.84	15.85	15.6	81.05	69.12
Kingston and St. Andrew ..	7.25	12.29	12.5	54.69	55.12
*Kingston	4.33	6.76	9.1	34.77	27.08
St. Catherine	7.94	10.66	11.0	63.33	54.41
Clarendon	10.33	12.23	14.1	63.02	57.12
Manchester	10.26	13.05	12.2	64.20	64.58
St. Elizabeth	8.59	11.63	12.8	53.48	61.93
Westmoreland	7.49	13.67	13.0	74.02	80.65
The Island	8.57	11.33 "70-Year" 10.89	12.5 "45-Year†" 14.5	69.52	61.84 "70-Year" 62.50

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

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

The City of Kingston

The mean temperature for the month was 80.6 °F compared with the long-term average of 79.4 °F. Day temperatures were slightly above normal and night minimum readings were 1.4 °F above normal due to the total cloud cover as measured at Palisadoes being considerably in excess of the average. Rainfall was about two-thirds of the mean total for the month.

Thunderstorms occurred on 3 days at Palisadoes and thunder was heard in the vicinity on a further 8 days. Lightning was observed on 11 nights. Solar and lunar halos were seen on 17 occasions.

The October Rainfall

During the month of October, the greater part of Jamaica experiences its most prolonged wet period but the rains commenced early this year and September falls were on the average 3 inches above normal. October figures showed a deficiency of about the same order so that the aggregate for the two months is about normal for the time of the year.

During October all Parishes had less than the normal rainfall —the mean for the Island being 24% below the average. The wettest Parish (St. Ann) reported 94% of the normal while the driest Parishes (Westmoreland and Kingston and St. Andrew) reported less than 60% of the normal.

The aggregate rainfall since the beginning of the year still shows that most Parishes have received more than the normal—the Island average being 12% in excess of the 20-year normal.

The highest total for the month was reported by Bowden Pen (St. Thomas) with 25.83 inches with Ecclesdown (Portland) the next highest with 23.90 inches.

Two stations reported falls of more than 5 inches in a single day—Knollis (St. Catherine) 5.70 inches and Lucky Hill Pen (St. Mary) 5.40 inches.

Tropical Disturbances

The only tropical storm of the month was located about 170 miles NNW of Swan Island on the morning of 4th October. It increased rapidly in intensity during the night and moved north eastward across Cuba, the centre passing near Havana at 6 a.m. on 5th October, giving a maximum wind speed of 132 m.p.h. in the gusts. Considerable damage was experienced in the city of Havana while crop losses in the neighbouring provinces were heavy. Eleven people were killed and 300 injured during the passage of the hurricane over Cuba.

By mid-day on 5th October, the storm centre had moved over the Keys and by evening it was over Miami. The storm then turned north-east and finally dissipated in mid-Atlantic on the 8th October.

Sunshine

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

Period		Grove Place	Hope Lab.	Orange River	Palisadoes
6–7	a.m.	.01	.22	.08	.34
7–8	"	.61	.76	.55	.82
8–9	"	.80	.85	.75	.85
9–10	"	.85	.87	.81	.88
10–11	"	.89	.81	.83	.90
11–12	noon	.79	.75	.72	.89
12–1	p.m.	.65	.82	.64	.86
1–2	"	.60	.70	.64	.78
2–3	"	.46	.54	.51	.75
3–4	"	.29	.52	.49	.75
4–5	"	.19	.30	.27	.60
5–6	"	.04	.01	.05	.14
Total		6.18	7.15	6.34	8.56
Percentage		51	61	54	71
No. of days over 10 hours		1	1	Nil	11
Cloudiest day		17th (0.5)	23rd (0.5)	17th & 23rd (0.0)	17th (0.8)

Earthquakes

Date	Time	Intensity	Where felt, etc.

No reports of any earth tremors received for this month.

W. J. Fowler,
Air Ministry Meteorological Officer,
Jamaica Government Meteorologist.

Meteorological Office,
Palisadoes,
Kingston, Jamaica, B.W.I.,
30th October, 1952.

JAN 28 1949

No. 870

JAMAICA
WEATHER REPORT

FOR THE MONTH OF
NOVEMBER, 1948

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 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 tenths 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	..	..	67.6	82.2	..	84.2	63.3	20.9	87.3	5	60.1	29	27.2	..
Grove Place A.C.	1460	..	..	69.5	78.4	..	83.8	64.2	19.6	86.8	4	58.9	17	27.9	6.7
Hill Gardens	4900	..	..	61.1	67.0	..	71.3	58.8	12.5	77.0	4	56.3	*1	20.7	..
Hope Laboratory	668	..	..	70.7	85.3	..	89.5	68.1	21.4	92.9	4	65.0	19	27.9	6.1
Kingston	80	..	..	74.6	86.0	..	89.6	72.7	16.9	91.8	*11	69.6	18	22.2	..
Lorrimers	2700	..	..	67.0	..	..	79.0	64.0	15.0	84.0	3	60.0	*2	24.0	..
Morant Pt. Light Hs.	8	29.909	29.886	80.3	84.3	80.5	85.9	76.6	9.3	88.0	20	70.0	14	18.0	..
Negril Pt. Light Hs.	33	29.894	29.866	74.1	86.9	77.7	88.3	71.4	16.9	92.0	4	63.0	17	29.0	..
Orange River Ex. St.	450	..	..	72.0	81.1	..	84.9	68.7	16.2	87.2	*28	62.7	2	24.5	7.3
Palisadoes Airport	19	29.911	29.878	78.0	86.5	80.8	88.2	76.5	11.7	90.0	*4	74.0	*17	16.0	8.1

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	87	77	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	67	92	71	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	57	85	62	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	69	92	73	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	71	85	75	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	65	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	75	84	76	76	75	83	SE	10	SE	11	SE	12	5.8	7.1	5.6	6.7	4.4	4.6
Negril Pt. Light H.	69	86	73	65	73	85	E	3	SE	6	NE	3	1.0	3.0	3.1	4.3	3.6	4.4
Orange River Ex. St.	70	94	73	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	71	79	73	65	74	79	CALM		SE	11	ESE	7	0.6	3.6	1.4	3.8	0.7	2.9

*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 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	November, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish	2.03	.62	24	8	6.79
Blenheim	3.06	.71	11	9	..
Blue Hole	1.67	.71	12	5	8.86
Cascade	3.31	1.10	13	8	..
Copse	2.02	1.02	23	3	5.17
Cousin's Cove	2.75	.64	11	14	7.10
Green Island	3.58	.83	17	10	5.35
Green River	6.65	1.50	13	11	..
Haughton Court A. C.	2.93	.93	18	6	4.72
Haughton Grove	2.61	1.10	18	6	5.34
Haughton Hall	4.09	.98	17	13	4.56
Hopewell	1.57	.75	9	6	..
Kendal	4.82	2.15	12	8	..
Kingsvale	1.94	.80	12	6	4.86
Lucea	2.53	1.02	13	4	6.14
Retirement	3.66	1.58	13	5	..
Santoy L. S.	4.77	1.26	26	9	..
Shettlewood	2.79	1.11	18	7	..
St. James					
Adelphi	1.05	.43	10	4	..
Anchovy	1.13	.35	11	6	3.76
Cambridge	3.34	1.35	18	6	5.86
Catadupa	5.96	1.50	24	12	7.77
Cinnamon Hill	3.22	1.25	10	6	6.12
Cornwall Works	2.07	.81	10	6	..
Friendship	.99	.20	9	7	8.64
Irwin A. C.	1.35	.38	11	7	5.32
John's Hall	3.08	2.33	10	3	..
Kempshot	1.34	.50	12	7	7.30
Lapland	6.66	1.36	24	12	..
Latium L. S.	1.75	.77	23	5	7.72
Maldon	1.19	.37	14	6	..
Mocho	6.61	1.72	18	8	10.55
Montego Bay	1.57	.60	10	4	5.94
Montpelier	1.29	.52	18	6	5.08
Retirement	1.36	.40	10	7	8.27
Richmond Hill	1.93	.70	18	8	..
Rose Hall	4.43	1.60	10	10	6.20
Running Gut	4.50	1.57	10	6	5.67
Spring Estate	2.95	1.40	10	4	5.74
Success	3.93	1.24	14	7	5.74
Sweetwater	5.35	1.24	13	12	..
Tryall	3.00	1.10	10	4	5.30
Vaughansfield	2.70	1.60	9	3	..
Windsor Lodge	0.91	.40	14	3	..

Stations	November, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Trelawny	ins.	ins.			ins.
Albert Town	3.31	1.76	5	6	8.11
Arcadia	2.71	1.20	10	8	8.16
Clark's Town	1.83	.85	10	7	10.61
Duncans	1.97	.97	10	5	8.09
Falmouth	2.38	.52	14	10	5.35
Harmony Hall	2.15	1.11	10	6	6.15
Hyde and Gibraltar	1.63	1.03	10	4	..
Lichfield	5.40	1.50	10	9	..
Lorrimers	3.10	.73	5	13	..
Reserve Pen, L.S.	1.10	.50	10	3	..
Stewart Town	2.62	.84	10	11	..
Troy	5.43	1.80	3	11	7.41
Troy Land Settlement	5.47	2.17	3	12	..
Ulster Spring	4.49	2.66	9	3	7.67
Vale Royal	2.45	1.00	10	9	8.14
Wait-a-bit	4.71	1.10	5	12	..
Wakefield	1.12	.65	10	3	8.40
Warsop	7.39	1.70	9	9	9.62
St. Ann					
Alexandria	0.00	..	..	0	6.41
Armadale	0.00	..	..	0	..
Averham Park	6.09	1.07	5	19	13.64
Bel-Air	3.25	1.05	10	14	10.56
Beverley L. S.	4.20	1.00	10	11	..
Brown's Town	3.66	1.12	5	11	11.72
Cave Valley	4.53	1.06	17	11	5.29
Chippenham Park	6.84	..	..	21	..
Claremont	3.99	1.05	15	8	12.17
Cuffie Ridge	1.72	.64	12	6	..
Eltham	8.17	2.24	11	11	..
Exchange	4.30	1.03	8	6	..
Greenock	3.68	.92	10	10	..
Home Castle	5.52	2.58	10	9	9.13
Knapdale	5.91	1.58	5	14	15.69
Liberty Hill	4.16	1.38	10	11	9.92
Moneague	2.60	.72	24	9	11.68
New Ground A. C.	5.59	1.30	11	13	..
Ocho Rios	9.57	1.76	10	13	9.91
Queen Hythe L.S.	5.52	2.58	10	9	..
Richmond Estate	6.06	1.50	10	14	9.23
Richmond Pen, L.S.	1.65	.85	10	4	5.96
Rio Hoe	2.87	.81	5	12	11.04
Rockfield	5.09	1.05	10	18	14.86
Runaway Bay	2.57	.68	11	12	5.18
Rural Retreat	3.59	.97	10	7	..
St. Ann's Bay	6.61	2.00	10	13	9.80
Stepney	0.00	..	..	0	..
Thatchfield L. S.	7.58	1.90	10	15	..
Unity	3.35	.75	24	9	10.85
Watt Town	1.05	.68	10	3	5.57
Wilton	3.07	1.17	7	11	..
St. Mary					
Agualta Vale	7.36	1.29	11	12	12.85
Castleton Gardens	6.90	1.96	4	8	8.60
Devon Pen, L.S.	7.90	3.68	4	8	..
Dover A. C.	10.92	1.81	5	19	17.09
Dover G.I,C.F.	6.86	1.49	12	19	..
Enfield	11.60	3.84	4	16	27.01
Fort Stewart	7.91	1.15	6	14	..

Stations	November, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Mary, *contd.*	ins.	ins.			ins.
Fort Stewart, L.S.	4.36	1.48	3	23	..
Gibraltar	5.05	1.00	5	11	..
Golden Grove, East	5.83	1.30	5	13	..
Golden Grove, West	5.62	1.60	10	11	..
Gray's Inn Cntl. Facty.	7.45	1.13	11	17	..
Guy's Hill	3.51	.80	23	22	13.39
Hampstead	6.47	1.20	10	9	16.22
Highgate	6.25	.95	24	17	..
Iter Boreale	6.93	1.40	5	12	..
Jack's River	8.94	1.55	12	14	..
Lady Hole	7.91	2.47	11	15	..
Lower Esher	6.68	1.28	5	10	..
Lucky Hill	6.05	1.53	5	12	15.14
Lucky Hill Pen	7.65	1.75	5	12	..
Newry	5.13	.96	12	15	..
Nutfield A. C.	7.65	2.00	12	17	..
Oracabessa	6.76	1.35	10	15	13.99
Orange River	5.33	1.08	8	13	..
Platfield	4.09	1.01	22	11	..
Port Maria	9.68	2.30	10	17	11.39
Prospect	7.94	2.30	10	9	..
Quebec	9.58	1.53	10	14	10.99
Retreat	7.49	1.80	10	17	..
Richmond	4.62	.87	23	13	12.45
Warwick	9.37	1.60	10	15	..
Water Valley	6.15	.84	23	13	11.85
Western St. Mary	6.61	1.05	4	10	..
Windsor Castle	4.68	.81	23	21	17.30
Portland					
Balcarres	10.68	4.50	4	15	42.43
Belle Vue	14.56	2.20	5	14	..
Belvedere	13.63	1.95	5	14	18.75
Boundbrook, L.S.	17.17	2.88	23	22	..
Bruton Hall	24.05	3.30	1	23	..
Buff Bay	11.72	2.44	5	13	16.52
Bybrook	12.65	3.75	4	14	..
Caenwood	N.A.	..	..	..	..
Castle Comfort	13.29	4.25	23	16	..
Cedar Hurst	5.22	1.54	10	18	29.36
Chepstowe	14.24	5.60	4	17	..
Darley	20.63	4.62	5	26	..
Ecclesdown	25.94	2.42	18	24	..
Fellowship	27.52	5.37	23	21	26.70
Fruitful Vale	15.96	2.80	5	18	..
Hope Bay	13.16	2.12	12	14	24.38
Hopewell	13.85	3.70	4	23	..
Lennox	15.28	2.20	14	27	22.34
Manchioneal	10.90	4.00	23	14	15.47
Mill Bank	30.47	6.87	23	24	47.98
Moore Town	26.17	5.05	23	22	35.81
Mount Holstein	6.81	1.80	5	9	31.81
Mount Pleasant	21.90	4.92	5	19	..
Passley Gardens	21.23	..	..	..	20.79
Plum Valley	12.31	3.34	4	11	..
Port Antonio	16.90	2.95	23	19	17.85
Priestman's River	10.06	1.30	24	23	14.83
Shrewsbury	23.22	3.92	5	27	29.72
Spring Garden	10.36	2.10	5	17	16.75
Tom's Hope	27.30	2.90	23	22	..
Windsor A. C.	30.17	5.90	23	22	..

Stations	November, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Thomas	ins.	ins.			ins.
Barret's Gap	15.29	6.70	23	13	..
Bath	11.43	4.40	23	19	15.26
Bowden Pen	30.89	4.04	23	22	..
Cedar Valley	8.66	3.50	23	13	12.96
Citron Valley L.S.	8.08	2.50	23	11	..
Clifton Hill	10.15	3.87	23	17	..
Coley	7.82	3.17	23	12	9.69
Duckenfield	9.26	3.68	23	21	..
Easington	5.22	3.25	23	13	6.08
East Prospect	8.06	2.90	24	16	10.23
Golden Grove J. S. E.	11.50	4.50	23	21	..
Llandewey	3.58	2.58	23	5	..
Lloyds	8.06	3.64	23	11	..
Lyssons L.S.	7.41	2.50	23	15	..
Morant Bay	7.21	3.05	23	12	7.75
Morant Pt. Lighthouse	8.45	2.90	23	20	8.41
Mount Mansfield	18.21	5.45	23	24	..
Norris	5.43	3.32	23	9	..
Plantain Garden River	15.32	4.74	23	22	10.69
Pleasant Hill	11.91	4.00	23	18	..
Rowlandsfield L. S.	13.97	4.00	23	25	..
Seaforth	9.91	3.66	23	15	..
Spanishwood	8.52	3.60	23	16	..
Sunning Hill L.S.	15.42	3.20	24	18	..
Wheelerfield	13.39	4.55	23	21	..
Yallahs	6.68	3.91	23	10	7.48
Kingston and St. Andrew					
Bamboo Avenue	2.34	1.17	23	9	..
Brandon Hill	3.03	1.00	23	7	..
Cavaliers	3.13	1.12	14	10	..
Clifton Pen	3.10	1.13	14	7	5.46
Constant Spring F. P.	2.35	.85	23	11	..
Constant Spring Ch. R.	1.97	.94	23	10	..
Dallas Castle	1.81	1.27	23	3	10.66
Fort George	2.86	.84	10	14	..
Golden Spring	3.32	1.22	10	8	..
Gordon Town	2.64	1.20	25	9	9.89
Grey Weathers	2.34	.81	23	9	..
Guava Ridge	3.76	2.35	22	13	14.23
Halfway Tree	2.74	1.28	14	5	4.61
Harbour Head	2.41	1.50	23	7	..
Hardware Gap P.W.D.	3.23	1.40	23	9	19.39
Hermitage	3.01	1.00	23	12	12.45
Hill Gardens	4.44	1.62	23	16	16.37
Hope Farm Agr. Stn.	3.28	1.20	23	8	6.27
Hope Laboratory	2.36	1.18	23	10	..
Hope Water Works	2.58	1.09	23	9	..
Irish Town	2.95	1.30	23	7	10.50
Iver	2.04	1.09	23	11	..
King's House Gardens	2.42	.95	23	8	5.17
Langley	5.52	1.38	25	8	..
Lawrence Tavern	3.74	1.40	10	6	10.04
Mavis Bank	3.03	1.78	23	14	14.23
Mount Airy	3.18	1.13	11	5	..
Mount Cressy	5.49	1.60	24	16	..
Mount Salus	2.49	.80	3*	8	..
Newcastle	2.70	1.33	24	12	..
Penfield Water Works	2.32	1.35	23	7	..
Red Hills	6.86	1.80	15	13	9.17

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

Stations	November, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Kingston and St. Andrew, *contd.*					
Rose Hill	4.79	1.90	9	10	14.93
Seaview Filter Plant	2.16	.90	23	9	..
Shortwood College	1.63	.92	23	9	..
Stony Hill	1.73	1.10	10	4	8.61
Twickenham Pen	2.40	.75	23	7	..
Up Park Camp	3.31	1.75	14	7	..
Kingston					
Kingston P. W. O.	2.38	1.11	23	4	2.57
Palisadoes	1.19	.88	24	8	..
Parade Gardens	1.80	1.00	23	5	..
Plumb Pt. Lighthouse	1.11	1.11	25	1	2.90
St. George's College	2.84	1.00	23	8	..
Upper Kingston	2.95	.97	23	11	4.42
St. Catherine					
Above Rocks	4.76	1.09	17	9	..
Barry and Lloyds L.S.	9.64	2.41	21	10	..
Bellas Gate	4.95	1.74	14	8	4.88
Bog Walk	3.45	1.50	23	6	5.88
Brown's Hall	5.80	1.07	14	15	10.45
Carew Castle	4.75	1.51	8	7	10.54
Ewarton	2.21	.80	11	5	..
Ginger Ridge	3.92	.64	9	20	..
Glengoffe	3.13	1.15	8	6	..
Grove Farm A. C.	2.90	.66	30	9	..
Guanaboa Vale	7.44	1.75	22	8	6.33
Headworks	7.94	3.36	15	14	5.43
Hematine	2.44	.85	15	8	4.87
Hog Hole	4.04	1.35	15	11	5.30
Knollis	3.76	1.06	10	8	8.11
Linstead	2.32	1.17	14	4	6.68
Old Harbour	3.57	1.00	15	12	5.17
Pear Tree Grove	1.76	.54	12	5	13.04
Point Hill	7.61	1.67	12	14	9.99
Quarantine Station	0.35	.13	15	5	3.71
Rio Magno	2.68	.98	13	5	10.53
Riversdale	2.65	.90	23	7	9.88
Sligoville	4.76	.81	13	17	9.31
Spanish Town	3.26	1.06	15	8	4.29
Troja	3.37	1.10	4	4	12.81
Troja, L. S.	1.95	1.05	13	3	..
Tulloch Estate	4.19	1.20	13	11	..
Twickenham A. C.	3.08	1.16	15	6	..
Worthy Park	2.04	.68	10	6	5.44
Clarendon					
Amity Hall	3.58	.99	23	12	..
Beauchamp	2.82	.74	23	8	..
Belle Plain	3.07	.52	14	10	8.93
Bog	2.65	1.30	28	5	..
Brixton Hill	1.78	.26	18	12	..
Building	3.12	1.22	23	9	..
Bull Head	4.87	2.30	9	9	..
Carlisle	4.38	1.02	23	14	..
Chapelton	1.60	.37	13	10	5.22

Stations	November, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Clarendon, *contd.*					
Clarendon Park J.G.R.	4.20	1.03	15	11	..
Colonel's Ridge	5.01	1.58	9	7	..
Cottage	2.70	.93	29	9	6.88
Cotton Tree Gully	1.65	.50	11	6	..
Croft's Hill	3.10	1.33	29	4	7.10
Crooked River	6.76	2.70	5	15	5.65
DaCosta	3.15	1.00	23	8	..
Douce Pennants	7.58	3.36	5	8	..
Exeter	2.45	.68	28	8	4.38
Frankfield	3.69	1.00	5	10	6.00
Gibbons	2.13	.76	28	5	..
Glen Muir	3.98	.70	4	9	6.85
Grimmetts	1.83	.40	11	6	..
Hillside	2.67	.84	11	7	3.71
James Hill	2.31	.60	23	6	..
Kellits	1.33	.44	23	8	..
Knights	3.30	.95	11*	7	..
May Pen	2.69	.68	14	8	5.02
Milk River	2.11	.58	11	7	5.17
Morelands	2.67	.72	23	6	6.76
Mumby	2.99	1.15	23	7	..
Peckham, L. S.	1.97	.63	18	9	..
Pennants	2.88	.45	22	11	..
Pusey Hall	3.19	1.06	23	8	..
Rock River	2.59	.56	23	6	7.37
Salt Savannah	4.35	1.16	23	13	..
Silent Hill	1.85	.60	12	6	..
Spaldings	1.78	.30	19	10	7.75
Springfield	1.75	.40	28	7	3.27
Suttons, J. G. R.	2.83	1.10	22	12	6.84
Suttons, W. I. S. Coy.	2.58	1.06	23	8	..
Teak Pen L. S.	3.08	.81	15	16	..
Thompson Town	2.97	.90	29	10	..
Trout Hall	5.74	2.04	7	10	8.17
Tweedside	1.45	1.25	18	3	..
Manchester					
Alligator Pond	3.70	.92	11	8	3.83
Christiana	2.28	.70	4	9	6.77
Chudleigh	1.15	.30	10	5	7.10
Cocoawalk L. S.	8.10	2.30	29	7	..
Craig Head	1.43	.56	4	6	..
Dunkeld	1.44	.37	14	8	..
Garlogie	5.60	2.09	22	13	..
Greenvale	2.32	.68	30	11	8.11
Grove Place	1.67	.67	29	8	..
Holmwood	1.64	.64	17	8	..
Hope, Spur Tree	3.03	.68	6	10	..
Kendal	2.25	1.15	22	4	6.64
Mandeville	2.28	.50	6	11	7.41
Mandeville, (Manchester Hotel)	2.59	.65	6	10	..
Mile Gully	1.41	.50	14	4	..
New Forest, L. S.	1.78	.49	6	5	..
Newport	3.14	1.04	7	9	6.99
Porus	3.24	.71	29	10	..
Retrieve	3.04	.50	14*	9	4.96
Ramble L.S.	3.18	.60	10	10	..
Stones Hope	3.79	.67	10*	11	6.00
Williamsfield	3.31	2.10	22	6	8.19

*And on other days.

Stations	November, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
St. Elizabeth					
Aberdeen	11.91	2.20	3	18	..
Accompong	N.A.	..	..	..	..
Appleton	4.65	.92	15	16	6.58
Balaclava	1.79	.81	22	5	5.97
Bartons	13.28	1.50	12	19	..
Black River	5.18	.74	15	12	4.37
Braes River	8.90	2.10	9	10	..
Bull Savannah	2.68	1.05	29	6	..
Fort Charles	3.99	1.05	16	6	3.97
Ginger Hill	6.63	1.20	10	21	..
Gutters	2.30	1.10	6	3	..
Hodges Estate	3.38	1.25	15	10	..
Holland Estate	4.80	1.50	21	8	..
Hounslow	5.90	1.20	22	14	..
Ipswich	6.80	1.22	3	18	..
Lacovia	4.57	1.50	10	10	5.21
Lititz	3.13	1.26	6	9	..
Maggotty	8.68	1.34	4	16	6.91
Malvern	6.06	1.12	8	15	..
Middle Quarters	3.58	1.42	15	11	..
Mount Charles	6.48	2.58	16	11	..
Mulgrave	8.13	1.56	19	19	..
Munro	6.53	1.70	6	21	5.67
Myersville	3.18	1.09	6	10	..
Oxford L.S.	3.55	1.50	22	10	..
Pedro Plains	3.65	1.55	13	10	4.21
Quickstep	8.15	1.60	27	10	..
Santa Cruz	5.68	.98	22	15	6.18
Southfield	9.37	1.52	5	14	..
Springfield	4.88	1.50	16	9	..
Springvale	5.75	1.49	28	10	..
Torrington	5.29	.77	22	14	6.67
Treasure Beach	2.47	.65	23	10	..
Williamsfield	5.60	.94	17	12	..
Windsor	5.86	.98	8	17	7.76
Yardley Chase	3.30	85	29	5	..
Westmoreland					
Barham	4.88	.98	13	12	..
Bath Pen	1.43	.56	5	4	..

Stations	November, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	ins.	ins.			ins.
Westmoreland, *contd.*					
Baulk	5.67	1.36	18	9	..
Belle Isle	9.47	2.10	10	14	4.51
Bethel Town	4.74	.90	13	10	7.56
Blue Castle	4.01	1.60	5	11	..
Blue Fields	10.80	3.33	10	15	6.59
Cornwall	3.32	1.27	5	12	..
Darliston	7.94	2.20	6	14	7.55
Fontabelle	5.94	1.75	24	11	3.49
Friendship	4.67	1.32	13	8	..
Frome	6.97	1.43	18	13	..
Kew Park	4.55	1.00	9	12	5.78
Lamb's River	6.52	1.00	18	15	..
Little London	4.55	1.35	29	5	4.58
Masemure	6.86	1.70	16	14	..
Meyersfield	6.01	1.75	10	10	..
Midgham	8.53	1.42	13	15	..
Mint	6.00	1.83	5	17	..
Mount Eagle	5.50	1.32	18	11	..
Mount Eagle (P.W.D.)	8.76	1.50	11	15	..
Mount Edgecombe	5.18	1.07	18	14	5.11
Negril Pt. Lighthouse	5.00	1.00	19	11	3.90
New Market	6.15	1.30	13	10	6.91
Paul Island	7.10	1.80	10	11	..
Petersfield	4.99	2.08	5	14	..
Petersville	4.27	.82	10	15	6.42
Prospect	4.65	1.11	24	8	..
Rat Trap	4.15	1.00	9	8	..
Retreat Estate	5.71	1.72	16	13	4.61
Retrieve	4.93	1.35	16	12	..
Sav.-la-Mar	3.28	1.35	11	9	3.89
Sheffield	6.75	2.66	5	9	..
Shrewsbury	4.45	1.23	5	9	..
St. Leonards	7.33	1.70	5	10	..
Water Works Farm	5.05	1.20	22	13	5.06
Welch Pole	5.35	1.20	9	10	..
Whithorn	4.89	2.91	6	3	5.66
Williamsfield	5.62	1.40	23	9	..

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 rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

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

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

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 11 months of 1948 is also compared with the averages.

Comparative Table of Rainfall Means—November, 1948

Parish	Rainfall for November			Rainfall, Jan.–Nov.	
	Actual Inches	20-Year Average Inches †	Raindays No.	Actual Inches	Average Inches
Hanover	3.05	6.41	7.4	87.41	78.57
St. James	2.61	7.34	6.6	65.64	62.02
Trelawny	3.29	7.68	7.5	52.12	61.29
St. Ann	3.91	9.48	10.2	67.45	58.46
St. Mary	6.91	13.93	13.4	76.68	74.83
Portland	18.05	24.77	19.1	127.53	129.69
St. Thomas	10.40	9.48	14.7	91.45	78.60
Kingston and St. Andrew	2.86	9.98	8.7	57.55	65.50
*Kingston	1.82	3.80	6.9	36.59	30.88
St. Catherine	3.07	6.98	7.5	66.40	61.39
Clarendon	3.10	5.50	8.8	66.12	62.62
Manchester	3.11	6.30	8.0	67.31	70.88
St. Elizabeth	5.85	5.85	11.8	59.33	67.78
Westmoreland	5.58	5.39	10.9	79.60	86.04
The Island	5.58	8.78 "70-Year"† 9.31	10.5 "45-Year" 11.9	75.10	70.62 "70-Year" 71.81

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

†The figures given for the average 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

Only three Parishes (St. Thomas, St. Elizabeth and Westmoreland) received the normal amount of rain for the time of the year. Nearly all the rest of the Island had less than half the average: Kingston and St. Andrew was the driest Parish with 29% of the 20-year normal. The Island considered as a whole received 63% of the normal.

The aggregate for the eleven months of this year shows that the Island has received 6% in excess of 20-year average.

The highest monthly total of rainfall was 30.89 inches at Bowden Pen in St. Thomas but by far the wettest area was Portland, where eleven Stations exceeded 20 inches, the highest of these being Mill Bank with 30.47 inches.

The highest total in one day was 6.87 inches on 23rd November at Mill Bank in Portland with Barret's Gap in St. Thomas a close second with 6.70 inches.

Three Stations reported no rain during the month—Alexandria, Armadale and Stepney, all in the Parish of St. Ann.

City of Kingston

All temperatures for the City were about 2° above the normal for the time of the year, the mean value being 80.2°F compared with a long-term figure of 78.3°F.

The month was very dry, the rainfall for the City being only 29% of the average.

Thunderstorms were experienced at Palisadoes on 3 days during the month, while thunder was heard over the mainland on another 6 days. Lightning was observed on a further 7 days.

Solar or lunar halos were seen on 7 occasions.

Tropical Disturbances

No disturbances formed this month in the Caribbean and Gulf of Mexico. The only storm detected formed about 450 miles NE of Haiti on the 8th November and estimates of 60-70 knot winds were made by reconnaisance aircraft. The storm moved northwest and later north without touching any land areas and finally dissipated over the Atlantic on the 10th.

Sunshine

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

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.07	.05	.04	.22
7–8 "	.68	.65	.65	.75
8–9 "	.85	.76	.77	.84
9–10 "	.92	.81	.79	.86
10–11 "	.87	.78	.79	.89
11–12 noon	.74	.75	.81	.82
12–1 p.m.	.71	.73	.78	.82
1–2 "	.64	.61	.74	.81
2–3 "	.50	.57	.73	.76
3–4 "	.43	.42	.69	.66
4–5 "	.27	.01	.46	.50
5–6 "	.02	.00	.04	.15
Total	6.70	6.14	7.29	8.08
Percentage	59	54	65	71
No. of days over 10 hours	Nil	Nil	1	10
Cloudiest Day	11th (1.3)	23rd (0.5)	23rd (1.5)	23rd (0.1)

At this time of the year the recorder at Hope Laboratory is screened from the setting sun by a line of trees and therefore shows a total slightly below the true value. Once again the effect of clouds forming over the Mountains during the morning and drifting over the Liguanea Plain, thus obscuring the sun, is shown in the sunshine totals for Grove Place, Hope and Orange River, when compared with Palisadoes. The afternoons and evenings on the Palisadoes Peninsula are much clearer than at places in the mainland.

Earthquakes

Nil

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Meteorological Office,
Palisadoes,
Kingston, Jamaica, B.W.I.
15th December, 1952.

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No. 871

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

DECEMBER, 1948

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 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 Difes Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remainingc louds 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	80.4	..	83.3	61.6	21.7	86.4	13	60.0	*25	26.4	..
Grove Place A.C. ..	1460	..	..	66.2	77.5	..	82.5	60.0	22.5	84.1	*5	54.0	24	30.1	6.9
Hill Gardens ..	4900	..	..	58.6	64.8	..	69.0	56.1	12.9	74.2	3	53.7	23	20.5	..
Hope Laboratory ..	668	..	..	67.8	83.7	..	86.6	65.5	21.1	91.8	23	61.3	28	30.5	5.6
Kingston ..	80	..	..	71.5	85.1	..	88.2	70.4	17.8	92.3	12	67.2	12	25.1	..
Lorrimers ..	2700	..	..	65.0	..	..	72.0	62.0	20.0	82.0	9	55.0	31	27.0	..
Morant Pt. Lighthouse .	8	29.971	29.953	78.0	82.8	79.2	84.9	74.9	10.0	87.0	*19	66.0	31	21.0	..
Negril Pt. Lighthouse ..	33	29.954	29.946	71.4	84.6	75.4	86.2	68.5	17.7	89.0	*2	65.0	13	24.0	..
Orange River Exp. St.	450	..	..	69.1	79.2	..	83.9	65.9	18.0	91.0	27	60.9	26	30.1	7.3
Palisadoes Airport ..	19	29.970	29.955	74.7	84.8	79.5	86.5	73.7	12.8	91.0	12	71.0	24	20.0	8.6

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	88	74	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	64	92	68	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	53	84	60	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	66	94	71	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston ..	67	86	73	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers ..	63	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light Hs.	73	85	75	78	73	83	NE	8	NE	8	NE	11	5.2	6.1	4.9	5.3	3.5	3.6
Negril Pt. Light Hs.	67	87	71	62	71	87	E	3	SE	8	NE	3	0.7	1.6	4.1	4.2	3.7	4.3
Orange River Ex. St.	67	95	71	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	69	82	71	64	71	74	CAL M		SE	10	ESE	6	0.3	1.9	1.4	3.7	0.5	2.1

*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, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Hanover	Ins.	Ins.			Ins.
Askenish ..	7.88	2.95	25	10	2.60
Blenheim ..	2.56	.81	25	10	..
Blue Hole ..	2.17	.72	8	7	2.88
Cascade ..	5.70	1.78	19	10	..
Copse ..	1.12	1.01	9	4	3.72
Cousin's Cove ..	2.07	.98	25	18	2.33
Green Island ..	3.97	1.10	25	10	2.22
Green River ..	5.03	1.28	3	10	..
Haughton Court, A.C. ..	1.35	.30	25	8	3.12
Haughton Grove ..	4.40	1.04	2	7	2.82
Haughton Hall ..	5.84	2.05	8	13	1.30
Hopewell ..	1.21	.35	15	6	8.18
Kendal ..	7.59	2.90	3	11	..
Kingsvale ..	4.81	1.34	25	7	2.64
Lucea ..	3.96	1.88	28	5	3.30
Retirement ..	9.87	2.45	25	9	..
Santoy, L.S. ..	5.61	2.26	3	6	..
Shettlewood ..	6.83	1.65	19	11	..
St. James					
Adelphi ..	1.54	1.30	14	2	..
Anchovy ..	4.27	1.53	9	5	2.66
Cambridge ..	5.57	1.34	8	8	1.95
Catadupa ..	9.13	3.48	20	13	2.44
Cinnamon Hill ..	.55	.30	14	2	4.33
Cornwall Works ..	.67	.40	12	2	..
Friendship ..	.98	.90	14	2	3.30
Irwin, A.C. ..	.88	.41	14	4	5.81
John's Hall	1.33	.74	13	2	..
Kempshot ..	2.11	.60	13	8	4.85
Lapland ..	9.76	2.45	20	12	..
Latium, L.S. ..	1.42	.74	14	4	7.12
Maldon ..	3.45	1.20	19	5	..
Mocho ..	3.38	1.08	19	6	2.89
Montego Bay ..	1.12	.55	14	4	4.04
Montpelier ..	4.72	.94	25	12	1.75
Retirement ..	1.21	.88	14	4	3.22
Richmond Hill ..	3.49	1.56	19	13	..
Rose Hall ..	.92	.40	14	5	4.33
Running Gut ..	.96	.45	14	5	4.45
Spring Estate ..	.42	.25	14	2	4.51
Success ..	.84	.40	14	5	3.71
Sweetwater ..	7.23	2.10	8	12	..
Tryall ..	.85	.85	14	1	3.20
Vaughansfield ..	N.A.	..	..	..	..
Windsor Lodge ..	1.15	.75	14	2	..
Trelawny					
Albert Town ..	3.70	1.09	14	15	3.31
Arcadia ..	1.85	.70	14	6	6.32
Clark's Town ..	2.20	.92	25	5	4.70
Duncans ..	1.21	.50	12	5	2.85
Falmouth ..	1.07	.29	12	7	4.24
Harmony Hall ..	1.33	.43	12	5	5.55
Hyde and Gibraltar ..	2.41	1.67	14	4	..
Litchfield ..	3.00	.92	14	6	..
Lorrimers ..	.75	.56	8	6	..
Reserve Pen, L.S. ..	1.02	.52	25	2	..
Stewart Town ..	1.63	1.23	14	3	..
Troy ..	4.02	1.90	20	6	2.87
Troy, L.S. ..	4.19	1.60	20	6	..
Ulster Spring ..	3.73	1.24	25	7	3.89
Vale Royal ..	1.91	.80	25	6	7.64
Wait-a-bit ..	2.48	.94	20	4	..
Wakefield ..	.55	.55	15	1	3.62
Warsop ..	3.53	1.72	19	4	2.94
St. Ann					
Alexandria ..	1.57	.72	14	3	2.98
Armadale ..	1.88	1.20	14	3	..
Averham Park ..	5.32	1.80	25	12	10.26
Bel-Air ..	2.70	1.10	13	6	6.18
Beverley, L.S. ..	3.76	1.50	13	9	..
Brown's Town ..	2.79	1.13	14	5	8.50
Cave Valley ..	2.25	1.07	30	8	2.77
Chippenham Park ..	5.53	..	..	14	..
Claremont ..	4.06	1.18	25	7	7.81
Cuffie Ridge ..	3.23	1.15	8	7	..
Eltham ..	5.03	1.50	14	8	..
Exchange ..	0.33	.18	23	3	..
Greenock ..	2.55	1.17	30	8	..
Home Castle ..	2.65	2.35	15	2	7.67
Knapdale ..	4.33	2.50	14	9	10.93
Liberty Hill ..	3.07	1.26	13	8	7.27
Moneague ..	2.96	.83	14	10	6.90
New Ground A.C. ..	3.08	1.55	15	11	..
Ocho Rios ..	6.20	1.68	14	10	6.41
Queen Hythe, L.S. ..	3.15	1.15	21	5	..
Richmond Estate ..	4.83	1.43	14	13	7.24
Richmond Pen, L.S. ..	2.11	1.06	14	4	..
Rio Hoe ..	4.33	1.00	14	15	8.28
Rockfield ..	5.19	2.11	14	16	9.18
Runaway Bay ..	2.12	.70	13	9	3.49
Rural Retreat ..	3.84	1.22	14	7	..
St. Ann's Bay ..	4.94	1.63	13	10	7.15
Stepney ..	0.78	.35	12	3	..
Thatchfield, L.S. ..	0.37	.15	31	4	..
Unity ..	2.49	.83	14	13	7.10
Watt Town ..	0.64	.37	20	3	2.74
Wilton ..	1.96	.80	25	9	..

N. A. = Not available

Stations	December, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
St. Mary	Ins.	Ins.			Ins.
Agualta Vale	6.07	1.40	29	10	9.26
Castleton Gardens	7.41	2.30	19	13	13.34
Devon Pen, L.S.	5.56	1.48	19	4	..
Dover, A.C.	7.67	1.13	31	17	11.56
Dover, G.I.C.F	6.85	1.24	14	17	..
Enfield	10.19	2.00	19	17	20.71
Fort Stewart	9.10	3.45	19	16	..
Fort Stewart, L.S.	8.51	3.76	19	19	..
Gibraltar	6.59	1.30	29	14	..
Golden Grove, East	4.22	.90	31	16	..
Golden Grove, West	7.20	2.80	19	15	..
Gray's Inn Cen. Fact.	6.16	2.05	29	15	..
Guy's Hill	6.00	1.35	26	22	7.78
Hampstead	6.49	1.50	14	8	11.60
Highgate	4.27	1.27	15	17	..
Iter Boreale	5.56	.90	*14	14	..
Jack's River	7.87	2.45	8	14	..
Lady Hole	9.36	2.45	19	16	..
Lower Esher	4.46	1.07	14	13	..
Lucky Hill	4.78	1.35	14	8	9.94
Lucky Hill Pen	5.56	1.60	14	10	..
Newry	5.60	1.19	29	17	..
Nutfield, A.C.	5.66	1.20	13	12	..
Oracabessa	6.13	1.44	8	17	6.64
Orange River	3.36	1.19	14	14	..
Platfield	4.21	1.00	19	11	..
Port Maria	8.42	2.52	12	13	6.95
Prospect	5.22	1.30	15	11	..
Quebec	8.86	1.50	12	11	8.68
Retreat	4.77	.80	13	11	..
Richmond	2.86	.97	14	12	9.68
Warwick	N.A.	..	..	..	..
Water Valley	5.22	1.06	14	17	9.50
Western St. Mary	3.64	2.23	14	7	..
Windsor Castle	6.45	1.25	25	20	10.42
Portland					
Balcarres	7.18	1.50	28	18	32.80
Belle Vue	9.76	1.90	*14	8	..
Belvedere	9.52	2.00	14	15	14.51
Boundbrook, L.S.	13.02	2.60	9	20	..
Bruton Hall	12.93	2.75	13	16	..
Buff Bay	5.08	1.07	2	13	11.66
Bybrook	10.24	1.95	14	21	..
Caenwood, A.C.	N.A.	..	..	..	..
Castle Comfort	11.20	2.31	29	18	..
Cedar Hurst	3.89	1.04	30	11	11.90
Chepstowe	10.75	1.82	14	24	..
Darley	12.02	1.28	2	24	..
Ecclesdown	30.86	3.18	11	27	..
Fellowship	16.41	2.90	9	28	17.73
Fruitful Vale	13.37	2.22	28	19	..
Hope Bay	8.96	1.48	9	15	11.15
Hopewell	6.60	.95	15	22	..
Lennox	7.20	.70	*1	26	15.50
Manchioneal	8.82	1.75	30	14	7.10
Mill Bank	17.11	2.20	9	21	26.54
Moore Town	16.10	2.47	9	18	24.15
Mt. Holstein	5.70	1.40	28	12	19.11
Mt. Pleasant	14.80	2.29	14	20	..
Passley Garden	7.63	..	..	..	8.76
Plum Valley	7.78	1.80	14	16	..

Stations	December, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
Portland, *contd.*	Ins.	Ins.			Ins.
Port Antonio	13.27	3.12	9	18	12.14
Priestman's River	8.17	1.93	9	20	5.72
Shrewsbury	27.15	1.89	24	31	19.87
Spring Garden	8.45	1.10	14	19	9.79
Tom's Hope	15.67	2.00	9	28	..
Windsor, A.C.	19.03	3.00	9	28	..
St. Thomas					
Barrett's Gap	9.35	2.87	10	18	..
Bath	8.10	2.30	10	17	8.95
Bowden Pen	18.74	3.10	30	16	..
Cedar Valley	3.20	.62	30	12	4.36
Citron Valley, L.S.	3.76	1.83	3	3	..
Clifton Hill	9.15	1.60	29	18	..
Coley	1.98	.60	10	6	4.47
Duckenfield	10.38	2.24	30	33	..
Easington	2.41	.54	29	12	2.49
East Prospect	11.93	2.91	30	17	4.75
Golden Grove, J.S.E.	11.15	1.80	10	25	..
Llandewey	2.73	1.40	14	5	..
Lloyds	5.90	1.34	1	9	..
Lyssons, L.S.	5.39	1.25	11	16	..
Morant Bay	7.60	2.23	29	11	3.81
Morant Point Light Hs.	6.56	1.37	10	19	5.31
Mt. Mansfield	11.13	3.30	10	17	..
Norris	1.31	0.36	2	5	..
Plantain Garden River	14.53	2.50	10	27	..
Pleasant Hill	13.06	2.30	10	17	5.00
Rowlandsfield, L.S.	12.09	2.23	10	26	..
Seaforth	2.14	.67	8	9	..
Spanishwood	9.21	3.42	30	19	..
Sunning Hill, L.S.	10.94	2.35	10	16	..
Wheelerfield	11.39	2.43	10	23	..
Yallahs	3.12	.83	29	5	1.66
Kingston and St. Andrew					
Bamboo Avenue	1.72	.43	30	9	..
Brandon Hill	3.04	.75	25	8	..
Cavaliers	1.08	.45	10	9	..
Clifton Pen	1.09	.44	9	6	1.03
Constant Spring, F.P.	2.07	.57	20	16	..
Constant Spring, Ch. Rd.	2.86	1.50	26	10	..
Dallas Castle	1.35	.60	6	4	2.40
Fort George	2.31	.48	8	15	..
Golden Spring	2.96	.64	27	12	..
Gordon Town	1.23	.72	30	6	2.89
Grey Weathers	2.36	.49	10	14	..
Guava Ridge	1.09	.46	30	8	4.30
Halfway Tree	1.06	.64	30	4	1.64
Harbour Head	1.52	.85	13	8	..
Hardware Gap, P.W.D.	3.00	1.00	29	9	6.92
Hermitage	2.31	.56	*8	10	3.27
Hill Gardens	3.58	.59	30	14	9.45
Hope Farm Ag. Stn.	1.94	.55	9	8	2.55
Hope Laboratory	1.46	.45	30	8	..
Hope Waterworks	1.44	.46	30	7	..
Irish Town	1.70	.90	30	4	3.21
Iver	2.02	.70	30	13	..
King's House Gardens	1.23	.37	30	7	1.85

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

Stations	December, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Kingston and St. Andrew, *contd.*					
Langley	2.94	.67	*1	8	..
Lawrence Tavern	2.79	1.09	20	6	4.24
Mavis Bank	1.08	.41	30	11	..
Mount Airy	2.85	.88	27	8	..
Mount Cressy	5.25	1.63	28	17	..
Mount Salus	4.41	1.20	20	10	..
Newcastle	2.18	1.05	31	9	..
Penfield Water Works	.93	.38	30	8	..
Red Hills	3.66	.86	20	9	1.81
Rose Hill	2.55	.62	8	11	4.47
Sea View F.P.	2.46	.52	10	10	..
Shortwood College	1.20	.50	27	6	..
Stony Hill	2.33	.55	9	8	3.68
Twickenham Pen	1.00	.34	9	7	..
Up Park Camp	.69	.50	10	3	..
Kingston					
Kingston P.W.O.	0.00	..	..	0	1.21
Palisadoes	0.35	.16	*13	3	..
Parade Gardens	0.25	.16	10	3	..
Plumb Pt. Lighthouse	0.05	.05	29	1	1.24
St. George's College	0.43	.12	10	5	..
Upper Kingston	0.59	.23	10	8	0.91
St. Catherine					
Above Rocks	3.79	2.20	19	7	..
Barry & Lloyds, L.S.	1.99	1.40	17	4	..
Bellas Gate	5.36	1.00	19	10	1.22
Bog Walk	1.50	.95	7	4	1.38
Brown's Hall	5.89	1.10	10	13	3.31
Carew Castle	1.93	.90	19	5	4.59
Ewarton	.46	.28	21	2	..
Ginger Ridge	6.58	1.20	3	13	..
Glengoffe	1.64	.50	19	7	..
Grove Farm, A.C.	2.46	.79	13	6	..
Guanaboa Vale	2.00	.50	*18	9	1.83
Headworks	2.08	.41	3	11	2.01
Hematine	.77	.19	*16	10	1.23
Hog Hole	2.74	.79	16	12	2.08
Knollis	1.26	.96	6	3	1.87
Linstead	.78	.24	14	7	3.09
Old Harbour	3.36	.70	4	14	2.21
Pear Tree Grove	0.82	.35	2	3	..
Point Hill	3.59	1.35	1	9	4.18
Quarantine Station	0.17	.09	10	4	0.75
Rio Magno	2.65	.80	15	8	6.39
Riversdale	0.10	.10	13	1	3.48
Sligoville	2.93	.54	3	13	3.15
Spanish Town	.96	.27	13	7	..
Troja	3.23	1.05	25	8	8.19
Troja, L.S.	3.65	1.10	27	5	..
Tulloch Estate	2.69	.80	3	6	..
Twickenham, A.C.	.12	.12	1	1	..
Worthy Park	2.26	.93	9	7	..
Clarendon					
Amity Hall	1.98	.62	8	7	..
Beauchamp	1.35	.60	15	4	..
Belle Plain	4.21	1.50	11	14	2.09
Bog	2.71	1.00	8	6	..
Brixton Hill	2.53	1.00	11	8	..

Stations	December, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Clarendon, *contd.*					
Building	2.32	.98	15	6	..
Bull Head	N.A.	..	..	..	..
Carlisle	1.90	.50	8	11	..
Chapelton	1.89	.70	30	6	2.19
Clarendon Park, J.G.R.	2.31	1.20	10	6	..
Colonel's Ridge	4.18	1.15	3	11	..
Cottage	2.98	1.20	8	8	1.32
Cotton Tree Gully	3.25	1.75	15	6	..
Croft's Hill	2.30	1.56	30	4	2.03
Crooked River	2.14	1.20	1	8	..
DaCosta	1.38	.58	8	4	..
Douce Pennants	2.60	1.34	1	7	..
Exeter	2.56	1.26	15	6	..
Frankfield	1.35	.69	30	3	1.89
Gibbons	2.79	1.20	15	6	..
Glen Muir	1.60	.33	14	10	1.31
Grimmetts	1.76	.38	15	7	..
Hillside	2.40	.46	*8	9	..
James Hill	.85	.50	30	3	..
Kellits	2.54	1.16	30	9	..
Knights	2.21	.70	8	7	..
May Pen	2.96	.80	31	10	1.87
Milk River	2.50	.66	13	8	..
Morelands	2.53	.78	15	5	..
Mumby	3.51	1.25	15	9	..
Peckham, L.S.	1.25	.55	8	5	..
Pennants	3.59	1.68	3	9	..
Pusey Hall	2.35	.90	8	7	..
Rock River	3.01	1.57	19	4	1.23
Salt Savannah	1.68	.50	8	8	..
Silent Hill	N.A.	..	..	..	..
Spaldings	1.91	.64	15	4	2.12
Springfield	1.37	.30	15	7	1.97
Suttons, J.G.R.	2.21	.80	11	4	..
Suttons, W.I.S.C.	2.36	1.08	15	4	..
Teak Pen L.S.	3.30	1.44	11	11	..
Thompson Town	2.36	.51	17	10	..
Trout Hall	2.10	.90	1	8	2.32
Tweedside	3.12	1.05	30	9	..
Manchester					
Alligator Pond	2.29	.70	13	7	1.94
Christiana	1.64	.44	14	8	2.71
Chudleigh	2.62	.82	16	7	2.43
Cocoawalk, L.S.	2.32	1.00	13	5	..
Craig Head	1.74	1.35	16	3	..
Dunkeld	2.05	.90	8	7	..
Garlogie	3.83	.62	30	12	..
Greenvale	0.90	.30	26	6	1.60
Grove Place	2.51	.70	17	11	..
Holmwood	1.36	.44	14	4	..
Hope, (Spur Tree)	1.54	.30	31	9	..
Kendal	1.44	.68	8	4	2.35
Mandeville	2.21	.85	17	6	2.81
Mandeville (Manch. Hot)	2.36	.63	11	22	..
Mile Gully	0.56	.23	31	3	..
New Forest, L.S.	0.91	.40	3	3	..
Newport	2.23	.64	4	6	2.78
Porus	2.10	1.40	10	5	..
Retrieve	N.A.	..	..	..	1.62
Ramble, L.S.	2.32	1.20	10	5	..
Stones Hope	1.64	.36	3	9	2.45
Williamsfield	1.14	.40	2	6	2.07

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

Stations	December, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
St. Elizabeth					
Aberdeen	3.75	1.57	*3	6	..
Accompong	8.17	1.30	1	12	..
Appleton	5.28	2.28	1	11	3.15
Balaclava	1.93	.85	3	4	2.11
Bartons	N.A.	..	..	..	..
Black River	4.34	1.60	16	6	2.10
Braes River	2.70	.60	6	9	..
Bull Savannah	1.89	.62	10	6	..
Fort Charles	0.00	..	..	0	1.72
Ginger Hill	6.15	1.90	19	10	..
Gutters	2.24	1.00	16	4	..
Hodges Estate	3.40	1.10	18	11	..
Holland Estate	3.07	.60	20	11	..
Hounslow	4.48	1.75	16	9	..
Ipswich	3.95	1.50	1	8	..
Lacovia	2.69	1.00	17	5	2.08
Lititz	1.95	1.10	16	5	..
Maggotty	6.25	2.90	21	7	2.71
Malvern	4.16	1.04	16	10	..
Middle Quarters	3.75	1.04	27	10	..
Mount Charles	3.51	1.21	18	9	..
Mulgrave	7.65	1.20	1	16	..
Munro	3.67	1.86	13	13	2.54
Myersville	3.07	1.56	27	5	..
Oxford, L. S.	2.84	1.56	3	12	..
Pedro Plains	2.50	.76	16	8	1.59
Quickstep	3.80	.95	6	8	..
Santa Cruz	4.49	1.40	16	11	2.62
Southfield	8.01	1.06	6	15	..
Springfield	3.44	1.08	21	6	..
Springvale	3.55	1.35	20	10	..
Torrington	3.12	1.20	13	8	2.36
Treasure Beach	3.61	.70	26	8	..
Williamsfield	7.06	1.35	5	12	..
Windsor	4.22	.96	10	12	2.10
Yardley Chase	2.70	.60	12	6	..

Stations	December, 1948				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
Westmoreland					
Barham	5.16	1.30	25	16	..
Bath Pen	4.56	1.35	10	4	..
Baulk	7.97	1.85	25	11	..
Belle Isle	8.30	3.74	25	12	..
Bethel Town	5.18	1.05	8	9	1.96
Blue Castle	4.97	1.05	25	13	..
Bluefields	4.66	1.37	21	16	2.56
Cornwall	5.09	1.26	2	13	..
Darliston	8.11	1.28	4	13	2.89
Fontabelle	6.49	2.33	25	14	..
Friendship	6.09	1.30	25	11	..
Frome	6.77	2.16	25	13	..
Kew Park	6.30	1.22	20	13	2.33
Lamb's River	9.32	2.55	8	12	..
Little London	6.10	1.05	8	11	2.06
Masemure	6.81	2.48	25	13	..
Meyersfield	6.91	1.65	8	11	..
Midgham	7.26	2.52	25	14	..
Mint	9.26	2.08	8	15	..
Mount Eagle	8.97	2.65	25	15	..
Mount Eagle (P.W.D.)	8.31	1.36	25	15	..
Mount Edgecombe	5.98	1.50	10	16	2.21
Negril Point L.H.	3.98	.75	8	16	1.91
New Market	12.20	4.42	19	14	2.29
Paul Island	7.21	2.20	25	11	..
Petersfield	5.63	1.58	2	13	..
Petersville	6.67	1.70	20	11	2.78
Prospect	9.86	3.86	25	12	..
Rat Trap	5.31	1.40	8	8	..
Retreat Estate	7.20	2.15	25	12	2.06
Retrieve	5.60	2.00	25	13	1.91
Sav.-la-Mar	5.37	1.20	8	12	..
Sheffield	8.54	1.47	8	15	..
Shrewsbury	5.87	.85	*2	14	..
St. Leonard's	9.02	2.40	8	11	..
Water Works Farm	7.63	2.35	2	17	2.47
Welch Pole	6.94	1.30	8	12	..
Whithorn	6.53	1.70	2	10	2.52
Williamsfield	5.82	1.30	25	9	..

*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" sation 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 1948 is also compared with the average.

Comparative Table of Rainfall Means—December, 1948

Parish	Rainfall for December			Rainfall, Jan.—Dec.	
	Actual Inches	20-Year Average Inches	Raindays No.	Actual Inches	Average Inches†
Hanover	4.89	2.62	9.0	92.21	81.19
St. James	3.31	2.99	6.4	68.95	65.01
Trelawny	2.11	3.86	5.3	54.23	65.15
St. Ann	3.23	6.08	8.6	70.68	64.54
St. Mary	6.10	9.44	13.3	82.78	84.27
Portland	12.90	15.71	19.8	140.43	145.40
St. Thomas	7.61	5.09	14.3	99.06	83.69
Kingston and St. Andrew	1.88	3.60	7.8	59.43	69.10
*Kingston	.26	.98	3.0	36.85	31.86
St. Catherine	2.25	3.48	7.4	68.65	64.87
Clarendon	2.39	1.88	7.2	68.51	64.50
Manchester	1.95	2.14	6.5	69.26	73.02
St. Elizabeth	3.67	2.13	7.0	63.00	69.91
Westmoreland	6.98	2.38	12.3	86.58	88.42
The Island	4.59	4.46 "70-Year"† 5.31	9.7 "45-Year" 8.8	78.69	75.07 "70-Year" 77.12

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

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

The December Rainfall

The rainfall for his month in the area southwest of a line Montego Bay to Old Harbour was 63% in execss of the average for December. St. Thomas was almost as wet with 50% excess but in the remainder of the Island there was a deficit of 38%. The driest Parish was Kingston and St. Andrew with 52 % of the 20-year average.

The mean for the Island was 3% in excess of the average.

The Station with the highest monthly total of 30.86 inches was Ecclesdown in the Parish of Portland closely followed by Shrewsbury in the same Parish with a total of 27.15 inches. Shewsbury recorded rain on every day of the month.

The greatest fall in one day occurred at New Market in the Parish of Westmoreland on 19th December, when 4.42 inches were recorded .

Two Stations reported no measurable rain during the month Fort Charles in the Parish of St. Elizabeth and the Public Works Office in Kingston.

A statement of the year's rainfall is appended to this report.

The outstanding feature was that the Island as a whole received 5% in excess of the average rainfall and that all Parishes fell within the range of 15% excess or deficit for the year.

City of Kingston

Day temperatures were a little above normal and night temperatures around the average for the time of the year, the result being that the mean temperature for the month (78.3°F) was 0.4°F higher than the average.

Rainfall in the City was only 27% of the normal figure.

No thunderstorms were observed at Palisadoes and only on 2 nights were flashes of lightning seen.

A solar halo was observed on one day and lunar coronae on 2 nights.

Sunshine

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

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6–7 a.m.	.00	.00	.02	.15
7–8 "	.66	.37	.60	.85
8–9 "	.88	.87	.82	.89
9–10 "	.86	.83	.81	.85
10–11 "	.81	.78	.81	.89
11–12 noon	.81	.74	.78	.88
12–1 p.m.	.69	.70	.83	.87
1–2 "	.70	.60	.78	.80
2–3 "	.62	.56	.74	.79
3–4 "	.50	.16	.65	.74
4–5 "	.36	.00	.47	.69
5–6 "	.00	.00	.00	.15
Total	6.89	5.61	7.31	8.55
Percentage	62%	51%	66%	77%
No. of days over 10 hours	Nil	Nil	Nil	12
Cloudiest day	30th (0.3)	30th (0.3)	30th (0.1)	30th (2.0)

As in previous months Palisadoes received approximately two hours more sunshine each day than Hope Gardens, due to the clouds forming over the mountains during the morning and drifting over N. Kingston and St. Andrew in the afternoon. Furthermore the recorder at Hope is screened from the setting sun by a line of trees and shows a total slightly below its true value.

Earthquakes

No earth tremors were reported this month.

W. J. Fowler,
Air Ministry Meteorological Officer,
Jamaica Government Meteorologist.

Meteorological Office,
Palisadoes,
Kingston, Jamaica, B.W.I.
16th December, 1952

Summary of Monthly Parish Rainfall and Raindays, 1948

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	4.02	1.05	1.25	5.56	16.46	16.15	8.46	11.03	13.53	6.76	3.05	4.89	92.21	8.3	3.4	5.0	8.9	19.5	17.2	15.1	12.8	13.0	10.8	7.4	9.0	130.4
St. James	3.33	0.54	1.15	5.39	11.67	11.64	6.09	6.72	10.77	5.73	2.61	3.31	68.95	8.2	2.7	3.8	8.3	14.3	14.2	11.3	11.5	11.4	9.9	6.6	6.4	108.6
Trelawny	3.72	0.86	1.23	4.10	9.07	7.42	3.97	4.81	6.51	7.14	3.29	2.11	54.23	7.5	3.6	3.5	7.3	12.4	9.2	6.5	8.3	9.1	11.7	7.5	5.3	91.9
St. Ann	8.79	1.84	1.64	4.21	12.74	9.83	2.98	3.59	10.14	7.78	3.91	3.23	70.68	11.1	6.7	5.8	7.4	13.2	11.0	7.7	8.1	12.1	12.1	10.2	8.6	114.0
St. Mary	11.62	3.42	3.51	2.58	16.15	10.13	3.38	3.91	7.66	7.41	6.91	6.10	82.78	12.8	9.3	9.2	7.8	11.3	12.3	8.3	7.8	10.3	13.2	13.4	13.3	129.0
Portland	16.97	4.39	5.12	5.60	15.56	15.57	10.88	6.97	14.98	13.44	18.05	12.90	140.43	17.0	10.8	10.2	10.5	14.0	16.7	15.0	10.3	13.0	13.2	19.1	19.8	169.6
St. Thomas	8.56	2.09	1.09	3.21	10.60	14.43	11.65	6.68	11.90	10.84	10.40	7.61	99.06	13.5	7.5	6.3	8.4	12.8	15.1	14.1	11.4	14.3	15.6	14.7	14.3	148.0
Kingston and St. Andrew	3.52	0.33	0.15	3.64	13.60	12.09	3.92	2.78	7.41	7.25	2.86	1.88	59.43	6.7	2.0	1.6	7.9	10.6	8.0	6.6	7.8	12.2	12.5	8.7	7.8	92.4
Kingston	0.68	0.00	0.07	0.56	8.53	10.83	2.55	1.35	5.87	4.33	1.82	0.26	36.85	1.7	0.0	1.3	4.9	6.9	5.9	3.3	6.0	9.6	9.1	6.9	3.0	58.6
St. Catherine	4.37	0.78	0.73	5.99	14.29	10.77	3.22	4.36	10.88	7.94	3.07	2.25	68.65	7.3	3.3	2.9	8.2	12.5	9.1	6.0	8.1	12.2	11.0	7.5	7.4	95.6
Clarendon	2.83	0.81	0.35	5.73	13.81	9.88	1.78	4.05	13.45	10.33	3.10	2.39	68.51	5.7	3.5	2.1	7.8	11.4	10.8	4.9	8.5	12.4	14.1	8.8	7.2	97.2
Manchester	2.89	1.28	0.25	5.32	11.14	9.73	3.80	3.73	15.80	10.26	3.11	1.95	69.26	6.0	3.8	1.1	6.9	9.3	7.4	4.8	7.4	13.2	12.2	8.0	6.5	86.6
St. Elizabeth	2.52	1.12	0.39	5.68	7.84	9.55	3.00	4.50	10.29	8.59	5.85	3.67	63.00	6.9	3.4	1.4	8.4	8.7	8.5	5.6	8.3	12.0	12.8	11.8	7.0	94.8
Westmoreland	4.78	0.86	0.88	3.69	12.28	15.16	6.60	7.89	14.39	7.49	5.58	6.98	86.58	8.7	2.9	4.6	8.5	16.3	14.4	13.3	14.4	14.2	13.0	10.9	12.3	133.5
Island	6.01	1.47	1.34	4.70	12.63	11.69	5.25	5.45	11.41	8.57	5.58	4.59	78.69	9.2	4.8	4.4	8.2	12.7	11.8	9.1	9.6	12.3	12.5	10.5	9.7	114.8
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