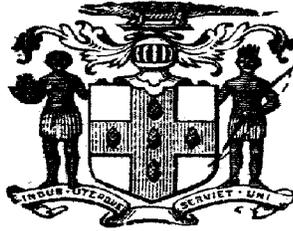


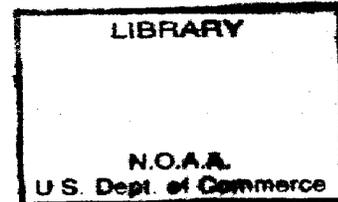
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QC  
925.2  
J25  
J34  
1931

# JAMAICA RAINFALL

FOR THE YEAR



# 1931.



# **National Oceanic and Atmospheric Administration**

## **Climate Database Modernization Program**

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NORTH-EASTERN DIVISION, 1931.

Station.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Average.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Manchioneal	12.20	2.43	1.20	16.70	7.75	30.30	12.70	5.35	14.70	24.92	32.06	5.37	165.68	111.30
Priestman's River	8.15	4.30	4.85	14.80	8.93	31.26	13.40	7.33	7.04	18.58	19.64	8.41	146.69	
Bath	12.44	2.78	3.00	15.48	7.99	20.48	16.34	7.15	17.30	23.66	17.32	9.49	153.43	118.65
Millbank	49.94	15.11	9.72	19.06	25.70	27.68	32.06	15.77	19.62	44.86	54.55	20.40	335.37	
Moore Town	45.69	16.38	24.40	17.95	26.83	27.93	34.70	13.81	10.92	38.76	53.84	15.45	326.66	221.98
Port Antonio	13.46	5.57	2.14	14.90	10.03	20.05	20.32	9.87	16.27	27.58	26.96	7.99	175.14	187.31
Passey Garden	8.02	4.52	2.89	15.25	10.09	24.35	25.05	9.50	15.65	31.13	23.35	10.16	179.96	
Fellowship	21.94	7.95	3.82	16.70	15.63	19.70	33.46	12.45	15.23	31.30	28.69	11.10	217.97	187.22
Johnson River Br.	4.43	3.34	4.95	5.21	7.67	16.45	18.65	8.19	17.14	22.69	13.21	8.55	130.48	93.56
Trinity Ville	4.00	0.90	2.80	3.30	2.64	18.27	20.32	5.22	14.79	22.05	12.12	6.83	113.24	
Shrewsbury	24.60	15.53	35.76	15.42	23.71	13.25	26.25	11.58	8.16	34.37	45.62	15.41	269.56	
Hope Bay	15.06	6.60	3.61	15.79	23.32	14.68	36.38	12.49	6.62	23.35	24.10	9.32	191.32	
Cedar Valley	7.48	1.04	2.62	7.00	9.84	13.00	22.92	5.72	16.00	22.98	10.04	9.59	128.23	101.29
Moy Hall	7.83	1.60	2.04	10.10	9.84	12.66	23.45	6.97	10.67	17.39	9.95	5.67	118.17	107.41
Paradise	22.80	14.84	34.33	15.05	23.38	12.05	22.61	12.37	5.39	21.98	44.16	13.02	241.98	
Lennox	16.85	6.54	8.20	15.51	26.50	11.05	26.48	12.70	5.91	24.02	26.37	10.15	190.28	
Greenvale	43.06	21.39	21.10	32.40	23.20	5.70	14.25	9.80	9.69	21.38	55.77	19.20	276.94	153.66
Spring Garden	12.95	5.35	10.05	10.93	21.26	11.82	17.66	8.78	9.49	18.88	20.62	9.60	157.39	95.21
Hill Gardens	14.58	2.98	4.03	7.34	6.64	5.92	8.82	4.89	11.21	18.61	16.88	3.71	105.61	105.48
Buff Bay	12.79	5.47	5.40	10.95	29.16	14.29	20.01	9.47	5.33	16.78	18.15	7.81	155.61	102.06
Orange Vale	41.40	26.32	32.14	29.92	19.68	7.83	7.39	2.99	8.26	15.73	51.97	15.49	259.12	
Belvedere, Portland	20.97	16.00	25.90	22.64	22.94	7.30	10.00	5.66	8.44	10.17	32.68	9.65	192.55	
Windsor Castle, Do.	13.44	4.90	6.58	9.86	28.16	14.10	17.69	8.83	2.26	14.09	21.23	13.14	154.28	86.32
Balcarras	16.40	8.81	8.12	7.42	9.71	1.84	4.48	0.93	1.98	4.01	46.15	9.66	119.51	
Mt. Holstein	27.63	9.18	8.45	17.16	10.66	7.44	7.51	2.64	8.39	14.58	30.76	8.18	152.57	131.63
Paradise	20.15	5.17	4.58	10.18	7.18	8.99	6.56	3.47	10.13	10.32	14.91	5.57	107.21	
Hardware Gap	10.76	5.19	3.93	10.96	15.27	8.13	12.49	3.94	10.91	20.05	26.13	4.03	131.79	99.62
Rose Hill	7.71	6.01	2.24	7.81	14.74	9.25	15.57	3.84	10.40	23.27	18.61	2.85	122.63	107.73
Hermitage	2.79	4.43	2.12	3.49	13.33	5.09	17.37	2.81	9.21	17.14	7.78	3.50	89.06	
Mount James	9.65	3.07	3.27	7.47	11.45	10.32	12.72	3.93	7.76	20.10	18.15	3.17	111.06	
Stony Hill Ind. School	3.14	1.86	3.71	6.01	8.24	7.18	14.44	4.11	11.54	13.63	8.77	2.55	85.18	82.48
Iter Boreale	9.69	4.98	5.51	11.68	25.76	13.48	11.18	6.00	4.97	9.56	17.35	7.46	127.62	
Enfield	30.31	15.87	24.77	24.63	16.57	7.74	5.92	3.40	12.04	18.96	27.44	9.10	196.75	
Aguulta Vale	11.65	6.25	11.77	8.29	16.27	16.27	7.43	3.12	7.85	8.90	16.51	8.30	122.61	
Castleton Gardens	21.73	4.54	7.92	15.61	9.99	7.70	13.79	3.83	8.98	22.68	28.45	3.65	148.87	118.98
Water Valley	11.59	4.26	11.34	7.32	22.10	22.10	6.69	2.47	6.88	4.79	12.99	6.02	118.55	75.69
Albany	10.85	2.84	13.33	5.77	21.31	5.76	5.87	2.86	6.41	10.10	12.61	5.11	102.82	
Lawrence Tavern	3.82	3.52	3.06	7.15	9.26	9.96	8.13	2.65	8.95	10.46	8.17	1.15	76.28	79.01
Richmond, St. Mary	12.33	5.86	16.63	8.71	12.94	8.01	8.84	4.19	7.11	11.25	15.64	2.49	114.00	78.55
Quebec	16.74	3.65	7.06	5.41	21.96	5.47	7.77	8.31	6.55	12.22	9.99	6.25	111.38	71.44
Zion Hill	9.58	3.07	2.65	8.08	8.95	9.10	9.80	4.40	5.85	6.84	12.55	1.70	82.57	
Carew Castle	3.40	0.87	2.65	5.94	10.67	8.62	10.95	4.95	7.84	10.71	9.12	0.58	76.60	88.54
Hampstead, St. Mary	12.24	5.33	11.03	8.85	17.76	6.32	6.46	3.12	6.20	14.36	15.79	11.22	118.68	100.41
Windsor Castle Do.	14.55	5.09	13.70	7.44	12.66	6.57	7.97	3.27	4.53	15.34	16.88	4.16	112.16	
Troja	16.15	7.30	8.00	16.00	17.52	17.83	15.41	7.23	4.30	16.23	16.37	6.85	149.19	
Pear Tree Grove	10.10	5.85	10.20	11.00	8.52	9.97	9.16	4.51	2.80	14.69	12.16	3.09	102.05	
Guys Hill	11.44	7.14	11.29	9.20	15.44	9.26	16.30	4.17	4.18	15.42	16.21	2.53	122.58	
Lucky Hill	15.71	4.49	6.58	7.77	9.44	5.25	10.14	2.71	4.11	12.94	15.49	5.42	100.05	86.04
Rio Hoe	11.98	4.38	6.36	14.00	8.01	7.85	5.03	3.83	3.75	13.66	10.94	3.22	93.01	79.31
Unity Valley	9.66	3.85	6.18	13.86	4.91	10.47	11.59	5.15	5.73	12.01	7.45	2.95	93.81	82.78
Moneague	9.31	3.85	4.99	12.06	5.06	8.78	6.72	4.70	4.68	10.39	6.87	2.87	80.28	80.07
Claremont	11.55	3.61	4.17	12.34	12.17	8.64	5.19	2.90	4.65	11.20	10.59	2.67	89.77	74.18
Averham Park	13.92	4.47	4.51	12.14	11.73	9.98	6.17	3.93	3.39	14.62	14.92	3.15	102.93	82.00
Albion	12.46	4.45	3.82	14.95	10.17	11.37	5.79	2.47	3.74	8.99	10.44	2.38	91.03	77.04

NORTHERN DIVISION, 1931.

Station.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Average.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Port Maria	11.76	2.22	5.47	5.45	23.90	8.03	7.43	11.90	6.22	10.48	9.23	4.45	106.54	72.84
Wentworth	12.62	2.37	4.42	7.13	24.96	7.73	8.31	14.06	5.22	10.36	9.47	4.85	111.50	
Eden Park	11.47	1.41	7.69	5.16	21.52	6.22	4.95	8.55	4.22	12.59	6.17	3.19	93.14	
Oracabessa	13.75	1.94	11.13	6.20	25.02	6.81	6.65	12.85	7.51	16.17	5.77	6.15	119.95	
Huddersfield	9.19	2.00	6.27	6.33	17.86	7.32	6.50	7.21	5.16	12.95	5.15	4.38	90.32	
Ocho Rios	10.02	3.19	9.68	10.00	18.44	7.99	6.34	4.12	3.64	8.84	7.70	5.63	95.59	57.15
Bogue, Ocho Rios	12.60	3.49	12.75	10.88	16.43	5.67	6.48	4.99	0.88	10.93	9.26	3.62	97.98	72.08
Drax Hall	9.76	4.80	9.73	7.53	21.80	8.07	4.83	6.09	2.77	8.84	3.64	4.37	92.23	65.06
Rockfield	20.64	5.81	10.85	10.67	17.30	8.09	4.81	4.04	3.10	7.73	9.52	3.42	105.98	82.53
Liberty Hill	14.51	4.34	11.65	9.05	15.75	4.45	3.45	4.85	2.68	5.20	4.75	3.77	84.45	68.58
St. Ann's Bay	11.68	4.25	9.96	7.34	19.89	10.04	2.82	5.69	2.69	7.30	3.46	4.46	89.58	60.75
Seville	11.19	2.82	11.26	8.10	18.25	10.56	3.67	5.65	3.15	6.75	3.76	5.19	90.35	63.81
Richmond Estate	6.46	2.28	9.06	7.09	12.17	8.15	2.51	4.82	2.53	5.46	2.95	3.05	66.53	63.77
Llandoverly	7.88	3.75	11.75	7.31	23.25	14.52	4.85	4.45	5.15	10.85	5.52	4.14	103.42	
Runaway Bay	3.97	1.73	7.40	4.76	10.78	8.25	1.40	2.39	3.68	5.41	2.31	1.44	53.52	
Knapdale	13.98	12.58	5.37	10.37	21.60	8.86	5.00	3.26	5.68	9.65	12.79	5.14	114.28	
Alexandria	6.05	3.19	2.35	8.70	13.47	8.97	4.15	4.20	4.23	8.40	4.91	1.00	69.62	
Bel Air	8.20	4.75	15.60	5.70	16.35	11.65	2.95	1.70	5.50	6.40	5.10	2.25	86.15	
Brown's Town	9.35	7.48	5.08	10.07	22.21	7.34	4.42	1.82	8.56	6.31	7.87	3.04	93.55	59.47
Watt Town, St. Ann	5.14	2.34	1.84	9.86	15.65	7.69	3.22	1.62	3.40	6.64	4.76	0.70	62.86	
Home Castle	9.45	5.00	6.80	4.90	20.90	8.72	5.80	1.70	4.60	4.20	5.65	2.25	79.97	58.69
Richmond Pen	4.80	2.47	0.97	3.67	7.06	1.60	1.15	1.55	2.85	6.98	4.30	0.90	38.30	58.93
Bryan Castle	5.35	8.35	14.00	3.85	13.50	17.00	3.75	2.65	4.05	5.00	8.55	1.40	88.35	47.78
Braco	3.10	5.85	11.20	4.25	9.65	13.75	3.30	2.95	3.05	3.70	7.80	1.60	70.20	43.23
Aradia	5.24	6.87	9.56	4.08	16.47	14.82	4.44	2.96	4.45	4.30	10.23	1.76	84.98	52.23
Vale Royal	4.59	5.90	8.50	3.44	16.97	8.93	3.81	1.37	4.52	4.47	6.98	1.69	71.17	57.79
Harmony Hall	3.88	5.81	12.57	3.54	11.89	12.85	4.46	1.77	3.80	4.11	8.00	0.99	73.67	48.36

NORTHERN DIVISION, 1931—contd.

Station.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Average.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Colechis Pen	7.27	6.17	2.63	6.95	22.41	8.81	5.90							
Duncans	3.98	3.90	11.34	5.29	13.25	10.38	3.95	1.85	2.56	4.45	7.01	1.19	69.15	
Clark's Town	4.62	4.95	4.10	3.93	18.08	9.61	4.78	1.95	3.67	4.20	5.57	1.65	67.11	
Falmouth	2.77	5.58	8.03	3.30	11.32	9.15	2.94	1.65	3.29	5.50	5.48	0.79	59.80	39.98
Canaan	4.74	6.63	2.08	8.00	33.62	16.36	11.55	3.62	10.93	11.56	4.90	2.04	116.03	66.22
Grange	3.10	2.15	4.90	4.35	13.32	5.85	3.40	0.30	3.31	4.70	6.50	0.25	52.13	
Succes	3.35	2.50	5.20	3.87	19.38	6.20	4.27	0.45	3.12	5.35	3.85	0.50	58.04	38.61
Rose Hall	4.05	1.50	5.35	3.35	22.85	7.75	5.92	0.90	4.20	6.12	4.45	0.67	67.11	41.36
Cinnamon Hill	2.88	1.40	4.25	4.53	20.26	6.48	6.46	0.65	3.74	4.41	4.51	1.00	60.54	43.67
Tryall	3.55	2.80	4.70	2.60	23.35	4.55	7.03	0.55	3.52	7.85	4.85	1.55	66.90	53.94
Running Gut	3.45	1.45	4.70	3.25	21.99	6.45	5.65	0.55	3.51	6.48	4.86	1.70	63.14	41.81
Spring Estate	4.40	2.65	3.85	3.20	20.00	6.32	6.50	0.90	4.63	6.80	5.85	1.15	67.15	45.39
Friendship	4.55	5.33	3.02	3.82	16.55	11.04	7.36	1.28	5.34	6.65	5.55	1.32	71.81	
Retirement	3.70	5.14	2.95	5.52	16.76	13.28	10.25	1.59	5.86	8.58	7.60	1.54	82.77	69.56
Belfield	3.95	4.28	2.01	5.10	13.72	11.48	6.56							54.10
Montego Bay	3.10	4.58	1.77	3.14	12.75	8.97	7.05	0.78	5.84	4.93	7.14	0.39	60.44	57.04
Anchoy	1.75	0.75	0.35	1.38	4.02	4.16	4.25	1.22	2.06	2.81	2.34	0.45	25.54	67.01
Bamboo	5.54	3.56	2.30	4.60	15.99	11.97	7.47	3.28	5.74	7.80	2.64	1.04	71.93	
Blue Hole	5.06	4.54	3.37	5.36	21.33	19.11	9.65	1.51	7.72	17.75	8.92	2.47	106.79	
Kew	2.35	2.40	2.64	6.15	16.50	15.55	12.00	2.75	3.10	12.70	9.20	2.00	87.94	69.31
Lucca	5.41	2.31	1.63	2.48	13.60	12.65	10.93	2.64	5.35	10.10	9.93	1.93	78.96	66.14
Haughton Court	2.65	1.70	2.49	2.85	15.10	13.35	13.10	3.50	4.30	9.48	2.20	2.37	73.09	60.39
Cousins Cove	2.24	3.98	0.06	7.57	12.19	17.78	12.91	12.78	6.95	10.59	5.80	1.27	94.12	
Green Island	1.80	2.56	1.45	6.38	12.55	17.66	9.35	9.48	8.65	9.08	6.79	2.18	87.93	
Haughton Hall	0.60	3.34	0.81	5.77	11.64	16.27	9.30	7.12	7.84	10.14	5.82	1.46	80.11	
Knollis	1.96	0.37	3.71	12.50	10.68	18.04	7.81	4.48	8.90	13.62	6.67	0.69	89.43	
Highgate	3.53	0.68	3.64	11.40	11.28	9.74	15.48	6.97	13.27	16.07	9.81	1.28	103.15	
Rio Magno	9.64	2.86	8.85	10.05	8.53	9.19	11.52	6.70	4.57	13.74	10.86	2.14	98.65	
Riversdale	4.98	1.86	3.72	10.49	10.04	16.29	13.65	7.91	7.05	11.13	8.45	1.81	97.38	
Headworks R.C.C.	2.32	0.87	2.25	9.43	7.18	7.13	8.83	2.36	6.92	11.49	6.13	0.81	65.72	55.14
Bog Walk	2.34	0.51	2.08	13.64	10.89	13.77	9.98	3.94	9.09	11.42	6.95	0.55	85.16	
Linstead	3.07	1.94	2.15	9.18	8.33	15.32	9.02	6.70	7.20	10.51	5.12	0.91	79.45	73.07
Guanaboa Vale	2.40	1.37	2.29	10.53	8.92	7.67	8.95	2.09	6.23	9.89	3.38	2.06	65.78	
Cave Valley	4.02	1.77	0.78	10.29	12.85	8.04	7.89	3.75	5.58	7.29	2.93	0.41	65.60	67.18
Point Hill	4.09	2.37	1.98	10.61	14.16	9.54	13.04	7.57	11.01	14.52	7.94	4.44	101.27	103.09
Bellas Gate	0.83	1.03	0.86	10.49	6.77	9.77	11.87	2.99	6.24	10.00	6.79	1.90	69.54	
Rock River	1.40	0.84	0.97	3.06	9.29	9.97	13.26	3.80	5.65	9.50	4.71	1.07	63.52	
Crofts' Hill	2.61	2.16	2.51	17.34	5.90	10.30	7.70	3.57	10.74	9.96	4.46	1.63	78.88	63.77
Suttons	1.93	0.60	1.45	4.63	9.85	8.04	13.14	2.81	5.80	11.47	4.17	0.81	63.80	
Chapelton	2.04	0.54	1.49	7.22	8.37	12.13	11.00	3.91	6.51	11.57	5.46	1.42	71.66	64.34
Crooked River	1.78	0.93	1.54	14.44	10.62	7.58	10.74	3.06	8.52	7.45	3.74	0.75	71.15	
Frankfield	2.08	1.79	1.26	10.45	10.85	11.37	14.69	5.34	10.13	6.07	8.24	1.67	83.94	

WEST-CENTRAL DIVISION, 1931.

Station.	Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Average.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Mocho	2.85	2.20	1.72	9.69	8.92	9.44	16.00	2.10	3.15	15.17	5.39	2.10	78.73	75.86
Clarendon Park	2.29	2.06	1.80	4.53	3.22	4.32	11.56	2.09	5.51	11.78	7.75	1.55	58.46	
Spaldings	5.16	4.18	2.27	5.82	6.96	7.19	10.81	3.70	8.75	9.69	9.04	1.33	74.89	
Williamsfield	2.53	3.36	2.17	9.58	7.40	14.88	13.81	6.64	10.29	10.62	8.40	2.21	91.89	
Brokenhurst	2.46	4.24	2.23	9.77	8.82	12.03	15.95	5.33	9.84	12.82	5.96	3.88	93.33	85.07
Shooters Hill	2.78	3.51	1.48	10.68	9.29	12.58	13.40	6.30	8.51	11.69	10.45	1.42	92.09	72.26
Lowe River	6.01	4.43	1.91	11.42	20.75	12.29	6.44	3.25	4.80	6.54	6.22	0.89	84.95	80.94
Christiana	3.76	4.22	2.71	7.30	9.32	8.48	6.93	3.17	4.69	10.62	3.26	1.20	65.66	78.94
Clifton Hill	3.72	5.26	0.41	8.28	7.12	17.24	17.38	6.81	11.58	15.10	6.88	4.07	103.85	
Kendal, Manchester	2.69	3.98	1.11	8.63	9.39	13.41	14.48	5.70	8.88	11.73	9.98	1.61	91.59	82.88
Mereworth	3.86	4.67	2.40	9.46	6.15	15.12	21.42	8.58	10.13	14.30	7.21	4.84	107.94	
Mandeville	2.20	1.15	0.42	8.74	5.31	12.20	16.40	7.20	7.80	9.92	5.77	4.58	81.69	86.67
Ulster Spring	4.50	5.50	3.53	8.78	18.23	8.19	9.06	4.54	8.68	7.30	8.37	0.60	87.28	83.03
Marshall's Pen	4.47	2.95	1.01	13.34	8.74	7.95	12.71	5.13	8.94	8.54	7.46	2.47	83.71	80.33
Greenvale	1.26	2.93	0.89	2.90	7.43	4.82	3.67	1.45	2.92	5.64	4.01	0.82	38.74	
Albert Town	6.00	3.64	2.19	6.33	23.21	6.84	8.55	4.19	7.38	7.28	4.69	1.25	81.55	85.43
Warsop	4.66	3.26	1.81	9.14	16.35	6.78	4.94	1.06	8.89	10.96	3.78	1.87	73.52	
Troy	1.50	1.75	2.70	9.20	21.59	11.98	6.18	1.97	8.39	11.86	5.30	0.80	83.22	102.12
Wallingford	1.59	4.72	1.48	10.07	20.98	10.87	7.70	1.72	9.85	11.76	8.09	1.99	90.91	89.20
Balaclava	2.80	5.01	1.18	9.44	16.71	7.86	6.87	1.59	8.32	9.66	4.98	2.96	77.37	81.33
Wakefield	3.13	5.79	2.71	3.03	21.35	10.02	8.61	2.00	3.66	6.06	4.26	0.55	71.17	
Maggoty	3.10	5.39	2.42	9.29	12.46	7.58	7.43	6.57	10.42	11.68	2.95	1.15	80.44	98.45
Lacovia	2.15	1.62	4.54	7.99	10.63	5.41	9.32	1.39	4.56	14.01	2.61	0.67	64.90	
Ipswich	1.13	5.40	4.46	14.37	12.56	13.00	9.42	6.09	12.43		5.03	0.91		
Kempshot	3.82	6.36	2.22	6.11	21.44	15.58	6.77	3.26	5.97	7.86	7.53	3.31	90.23	79.39
Garlands	3.36	3.73	1.54	9.79	26.53	15.94	11.72	10.12	4.95	13.09	6.06	3.03	109.66	
Mo'o, St. James	4.01	3.90	1.16	11.03	25.55	12.51	9.63	13.91	5.04	21.89	5.50	0.95	115.17	
Bandon Pen	2.96	4.37	1.36	12.97	27.78	18.25	10.31	11.13	5.16	16.81	7.86	4.89	123.87	

## WEST-CENTRAL DIVISION, 1931—contd.

Station.	Jan.	Feb.	Mar.	April	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Average
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Catadupa	2.50	4.26	0.77	8.34	30.71	16.36	9.46	10.40	6.42	13.43	5.12	0.65	108.42	108.56
Cambridge, St. James	2.25	3.49	1.08	8.17	22.97	14.11	6.09	8.98	5.37	14.22	3.80	0.90	91.43	98.66
New Market	5.40	2.90	1.13	11.21	14.25	10.39	8.34	7.22	11.52	13.44	4.67	1.48	91.95	93.92
Kew Park	5.19	4.22	2.00	10.53	19.31	9.25	14.95	6.24	8.78	10.57	3.05	1.57	95.65	94.86
Montpelier	4.85	2.99	1.72	6.92	21.23	12.90	5.93	3.83	2.50	9.61	3.05	1.15	76.68	
The Bog, New Market	3.89	4.47	3.35	9.30	11.72	10.88	8.25	6.34	12.51	15.09	3.49	0.94	90.23	107.68
Bethel Town Dist.	4.46	4.42	2.18	13.84	22.31	11.90	7.82	8.97	11.81	9.53	3.16	2.19	102.59	
Burnt Ground	3.72	2.82	2.49	11.72	20.87	12.36	8.75	4.60	6.26	17.25	4.00	0.35	95.19	93.18
Haughton Grove	4.29	3.30	3.86	6.70	23.42	13.71	7.40	5.92	9.57	16.57	4.00	1.34	100.08	
Darliston	6.50	2.14	2.21	12.96	13.23	12.76	10.96	7.65	18.44	14.69	5.11	1.97	108.62	118.03
Bluefields	3.70	1.64	1.62	5.26	13.21	8.96	5.56	3.97	8.46	9.65	5.08	1.05	68.16	
Whithorn	5.35	1.37	2.45	4.85	11.74	11.86	10.20	2.62	8.34	11.63	2.81	1.43	74.65	96.56
Water Works Pen	6.74	1.96	2.92	6.65	11.49	11.90	8.32	3.55	9.07	10.56	3.12	0.79	77.07	94.22
Askenish	1.41	4.80	2.27	6.02	19.94	22.31	9.51	14.45	10.05	18.13	6.30	2.51	117.70	
Grange Hill	2.13	2.93	1.34	11.37	20.04	15.07	12.41	7.66	14.74	16.98	5.88	2.55	103.10	97.95
King's Vale	1.64	6.38	1.62	8.75	21.43	18.35	5.81	8.22	6.28	10.69	5.00	0.92	95.59	91.41

## SOUTHERN DIVISION, 1931.

Station.	Jan.	Feb.	Mar.	April	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Average
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Morant Point L.H.	6.58	3.45	1.10	10.49	5.64	12.80	6.61	1.17	9.38	15.59	17.72	3.97	94.50	70.19
Golden Grove	9.68	2.28	3.09	13.56	7.30	15.52	10.67	2.73	15.41	18.73	12.90	5.63	117.50	
Pleasant Hill	7.65	2.04	3.34	12.41	6.89	12.12	13.05	3.98	14.59	14.08	14.53	7.20	111.88	
Bowden	7.74	1.84	1.93	9.56	7.34	11.93	8.68	2.99	17.10					
East Prospect	5.74	0.90	2.20	12.26	7.93	13.40	8.86	3.47	17.08	20.98	9.47	7.76	110.05	82.13
Morant Bay	3.46	1.31	2.90	8.97	5.37	12.55	11.49	3.99	15.09	17.39	13.26	7.58	103.36	71.09
Acolus Valley	3.24	1.07	0.24	4.45	4.75	11.64	18.75	6.75	16.40	22.00	8.30	8.41	106.00	
Yallahs	1.28	0.26	0.67	2.92	3.36	8.70	13.93	2.73	10.94	9.10	8.31	5.51	67.71	
Easington	1.64	0.40	1.24	1.37	3.37	7.99	18.55	5.14	17.54	16.66	8.97	5.23	88.10	65.09
Mavis Bank	4.69	0.90	2.10	6.32	5.84	7.04	14.04	4.00	9.16	17.18	10.06	4.32	85.65	
Bull Bay	0.95	0.78	0.15	0.55	0.85	2.42	7.60	1.90	5.94	10.22	4.55	0.00	35.91	34.62
Bellevue	3.00													71.31
Dallas Castle	3.02	0.97	1.33	4.83	2.77	3.68	11.16	3.64	7.39	15.81	8.22	2.22	65.04	
Gordon Town	3.22	1.88	2.48	5.18	6.25	8.23	8.90	3.60	8.49	16.46	10.10	1.82	76.61	65.62
Irish Town	4.73	1.85	2.20	4.10	6.20	5.77	5.98	2.43	6.91	14.68	8.51	2.55	65.91	64.38
Hope Gardens	2.36	1.82	2.82	5.21	6.05	6.37	8.43	2.68	7.43	11.55	5.39	1.76	61.87	53.53
Waireka	2.06	0.71	2.15	2.16	3.18	3.36	8.58	2.62	5.61	8.75	4.80	1.00	41.98	
Iver	2.48	1.46	2.84	4.05	7.34	4.92	7.79	3.56	7.58	11.24	7.52	2.14	62.92	
Plumb Point L.H.	1.04	0.00	0.30	0.71	3.73	3.33	9.19	3.03	5.62	7.14	3.13	1.90	39.12	33.61
King's House Gardens	1.38	0.71	2.67	3.24	5.85	4.27	5.96	2.22	8.41	9.94	3.23	1.03	48.91	47.44
Upper Kingston	0.95	1.17	0.68	1.23	4.15	3.87	8.07	1.36	4.18	7.09	3.74	1.14	36.63	
Kingston, P.W.O.	0.85	0.16	0.91	0.85	3.76	2.78	7.80	1.83	3.34	6.04	3.94	0.92	33.18	33.59
Halfway Tree	0.95	0.47	1.79	2.44	5.47	4.49	7.54	1.86	9.04	8.83	3.37	0.97	47.23	39.34
Clifton Pen	0.88	0.45	0.65	0.89	4.06	3.56	7.61	1.16	4.72	7.51	3.86	1.06	36.41	39.38
Red Hills	1.43	0.99	2.67	5.99	8.87	8.89	12.90	0.58	9.33	11.50	6.25	0.74	70.14	
Quarantine Station	1.09	0.43	1.66	1.70	3.36	3.49	10.70	2.39	7.40	8.27	5.90	1.56	47.95	27.33
Hematine	2.13	0.42	1.25	4.98	4.29	5.07	13.86	2.36	6.38	9.24	5.41	1.21	56.60	
Spanish Town	2.02	0.31	1.41	2.57	4.53	5.56	16.25	2.88	6.48	10.82	4.87	1.24	58.94	43.99
The Stewartry	2.30	0.55	1.33	11.76	6.59	6.42	10.72	2.89	6.67	12.01	6.28	1.72	69.24	
Hog Hole, St. Cath.	1.50	0.53	1.93	11.01	5.80	5.56	11.92	2.95	6.40	12.80	6.63	2.02	69.05	49.96
Hartlands	2.70	0.95	1.00	5.65	3.71	4.00	11.50	6.09	6.54				44.69	
Old Harbour	3.16	4.16	1.05	7.85	9.49	7.80	20.60	4.46	7.34	13.38	4.83	1.67	85.79	52.28
May Pen	1.82	0.41	1.96	6.58	10.02	3.62	13.46	1.29	7.97	10.90	9.79	1.49	69.31	55.23
Glen Muir	2.10	0.00	1.20	7.30	8.65	2.30	6.50	1.15	3.70	7.30	9.40	1.10	50.70	
Cottage	2.94	3.12	0.55	13.01	7.30	7.08	14.16	3.30	10.68	10.73	11.25	1.65	85.76	
Belle Plain	2.84	1.48	0.76	5.97	9.61	4.95	12.83	1.30	5.77	13.74	12.05	2.07	73.37	
Milk River	3.67	2.13	1.01	1.81	10.02	6.34	13.11	2.60	5.99	9.87	6.76	1.45	64.78	51.48
Retrieve	2.44	1.73	1.52	3.24	4.38	4.59	1.88	6.25	6.50	4.91	1.77			
Hog Hole, S. Man.	2.92	2.92	3.30	7.51	8.66	6.46	12.05	3.20	9.35	12.08	9.42	2.42	80.29	
Stone's Hope	2.99	3.53	2.01	7.95	10.31	8.81	14.65	3.43	8.34	10.74	8.11	2.78	83.65	69.42
Newport, Man.	3.36	3.31	3.57	9.93	6.68	10.98	14.55	4.94	7.56	10.66	6.03	2.79	83.36	72.67
Great Valley, Man.	3.85	3.00	2.08	4.90	7.89	8.31	12.28	2.27	7.01	12.74	6.49	2.34	75.16	58.75
Alligator Pond	1.08	0.57	1.45	3.30	4.70	5.01	10.72	1.90	2.82	7.66	3.02	0.80	42.98	42.90
Fairfield	3.05	3.54	2.23	9.08									67.70	
Lätz	0.77	2.60	1.41	2.46	5.53	4.26	5.91	1.12	3.49	4.98	2.90	0.20	35.63	43.80

SOUTHERN DIVISION, 1931- contd.

Station.	Jan.	Feb.	Mar.	April	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Average.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Myersville	3.66	2.00	2.00	4.01	7.35	4.35	6.09	0.44	5.02	8.97	4.16	0.51	48.56	
Gilnock	1.13	2.11	2.14	6.18	9.45	8.06	8.72	1.99	6.70	8.09	6.13	0.35	61.05	
Southfield, St. Eliz.	2.26	1.65	1.78	5.39	4.23	3.24	9.66	2.38	5.95	10.00	5.90	0.73	53.17	50.83
Windsor, St. Eliz.	4.15	2.11	3.25	3.29	13.08	4.44	6.64	2.24	6.46	10.64	5.27	0.61	62.18	
Torrington	5.63	1.02	2.66	4.43	11.70	5.16	5.88	1.76	5.22	8.97	4.28	0.64	57.35	58.00
Santa Cruz	0.91	2.36	1.72	7.73	10.77	5.41	8.49	2.51	7.09	8.55	3.44	1.31	60.29	81.86
Pedro Plains	2.49	1.34	0.89	2.75	3.20	2.81	6.97	1.87	5.22	6.82	2.81	0.32	37.49	33.62
Mountainside	2.12	0.57	2.80	4.12	5.85	1.32	6.15	2.32	3.15	6.47	2.22	0.25	37.34	
Fort Charles	2.89	0.84	1.26	1.88	5.49	1.07	5.80	0.58	3.28	8.24	1.99	0.35	33.67	
Black River	3.58	2.50	2.02	1.97	7.05	4.57	6.87	1.72	3.90	12.46	2.31	0.29	49.24	52.43
Font Hill	2.25	2.40	2.45	2.65	8.30	3.25	6.90	1.50	4.85	12.75	2.05	0.20	49.55	57.90
Mount Edgecombe	3.49	2.26	1.76	7.32	7.18	7.69	4.11	5.99	7.89	9.28	2.36	0.30	59.13	69.26
Sweet River	4.20	1.07	0.32	5.90	8.75	7.95	4.44	3.19	6.93	7.47	4.21	0.40	54.83	71.23
Sav.-la-Mar	4.87	0.34	1.30	5.59	5.88	9.53	3.72	2.22	7.12	4.91	1.80	0.85	48.13	62.17
Little London	2.29	0.93	2.31	5.24	11.29	12.42	11.39	6.29	12.38	8.77	3.12	0.42	76.85	
Retreat	2.00	1.63	0.91	6.14	9.52	10.83	6.17	7.20	9.84	5.92	4.07	1.12	65.35	70.31
Negril Point L.H.	2.87	1.34	1.54	2.30	6.32	9.21	3.38	2.31	6.33	4.39	3.74	1.71	45.44	54.49

COMPARATIVE TABLE OF RAINFALL FOR 1931.

Division.	Jan.	Feb.	Mar.	April	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1931.	Average 50 years
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
North-Eastern Division	14.81	5.45	7.68	11.74	13.91	12.00	14.41	5.93	8.94	17.60	19.83	0.87	139.17	104.60
Northern Division	5.81	3.07	5.92	6.27	16.26	9.63	6.56	3.17	4.98	7.59	6.07	2.11	78.04	57.70
West-Central Division	3.71	3.60	1.97	9.09	16.06	11.56	9.69	5.19	8.59	11.63	5.46	1.68	88.23	89.28
Southern Division	2.69	1.52	1.61	4.93	6.31	6.36	9.37	2.74	7.36	10.43	5.60	1.77	60.69	54.13
Means for 1931	6.75	3.56	4.29	8.01	13.13	9.89	10.01	4.26	7.47	11.81	9.24	3.11	91.53	
Average for 50 years 1870-1919	4.10	3.06	3.42	5.03	9.12	7.18	4.90	6.93	7.91	10.39	8.70	5.72		76.16

COMPARATIVE TABLE OF RAINY DAYS, 1931.

The Island.	Jan.	Feb.	Mar.	April	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Means for 1931	12	8	6	11	15	15	13	7	13	16	14	8	138
Averages for 33 years 1895-1927	8	7	8	9	12	10	9	11	13	14	12	9	122

MEAN RAINFALL FOR EACH PARISH, 1931.

Parish.	Jan.	Feb.	Mar.	April	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Kingston	0.90	0.11	0.63	0.93	3.88	3.33	8.35	2.07	4.38	6.76	3.60	1.32	36.26
St. Andrew	4.33	2.36	2.51	5.10	7.55	6.52	10.73	2.94	7.86	14.35	9.98	2.10	76.33
St. Thomas	5.65	1.66	2.30	8.36	6.42	13.40	15.66	4.73	14.96	18.72	11.92	7.03	110.81
Portland	21.70	9.85	12.32	16.43	18.69	15.59	19.49	8.79	9.47	22.34	33.57	11.25	199.49
St. Mary	14.14	4.74	10.23	9.11	18.75	8.80	7.87	5.95	6.58	12.73	14.58	5.61	119.09
St. Ann	9.98	4.25	7.21	9.46	14.84	8.57	4.85	3.65	4.06	8.58	6.90	2.91	85.26
Trelawny	4.55	5.18	6.72	5.77	17.00	10.81	5.48	2.44	5.09	6.12	6.59	1.24	76.99
St. James	3.44	3.51	2.80	5.77	20.74	10.73	7.38	3.92	5.29	9.11	5.34	1.44	79.47
Hanover	3.19	3.21	2.12	5.96	11.65	15.70	10.09	6.18	6.87	13.01	6.34	1.72	86.04
Westmoreland	3.05	2.47	1.83	7.53	12.90	11.27	7.83	5.50	9.90	9.65	3.73	1.21	77.77
St. Elizabeth	2.65	2.61	2.14	6.23	9.80	5.72	7.40	2.50	6.52	9.85	3.99	0.86	60.27
Manchester	2.89	3.23	1.76	7.92	7.81	10.17	12.94	4.62	7.81	10.71	6.71	2.50	79.07
Clarendon	2.52	1.60	1.46	8.59	8.55	7.53	11.87	3.16	7.25	10.21	7.17	1.38	71.29
St. Catherine	4.62	2.06	3.40	9.23	8.79	9.55	11.58	4.54	6.94	12.02	8.39	1.96	83.08

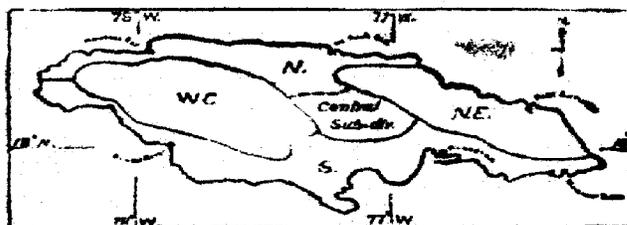
TABLE OF GREATEST AND LEAST MONTHLY FALLS IN 1931.

Month.	Greatest Fall.		Least Fall.	
	Amount. Ins.	Place.	Amount. Ins.	Place.
January	49.94	Millbank	0.60	Haughton Hall
February	26.32	Orange Vale	0.00	Plumb Point Lighthouse and Glenmuir
March	35.76	Shrewsbury	0.06	Cousins Cove
April	32.40	Greenvale	0.55	Bull Bay
May	33.62	Canaan	0.85	Bull Bay
June	31.26	Priestman's River	1.07	Fort Charles
July	36.38	Hope Bay	1.15	Richmond Pen
August	15.77	Millbank	0.30	Grange
September	19.62	Millbank	0.88	Bogue, Ocho Rios
October	44.86	Millbank	2.81	Anchovy
November	55.77	Greenvale	1.80	Sav.-la-Mar.
December	20.40	Millbank	0.00	Bull Bay
Year	335.37	Millbank	33.18	Kingston P.W.O.

## RAINFALL DIVISIONS.

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

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 20 of 1923 Edition, an outline of which is given below.



## METEOROLOGICAL—JAMAICA.

## CLIMATIC CONDITIONS.

## THE ISLAND, 1931.

## MONTHLY PRECIPITATIONS.

*January.* The mean rainfall exceeded the normal in all the divisions, particularly the North-Eastern, which was nearly double the normal. The heaviest precipitation appears to have occurred on 25th, but the rainfall was well distributed. The mean number of rainy days was 12 or 4 more than the average. The greatest fall was 49.94 inches at Millbank in the North-Eastern division, and the heaviest fall in 24 hours was 10.00 inches at Greenvale in the same division on 25th. The greatest amount of rain fell in Portland, shewing a mean of 21.70 inches.

*February.* The mean rainfall was slightly more than the normal. The North-Eastern and Southern divisions were just under, and the Northern and West-Central divisions somewhat above, their normals. The heaviest precipitation appears to have occurred from the 7th to 14th, but the rainfall was fairly well distributed, the mean number of rainy days being 8 or one more than the average for the month. The greatest total fall of 26.32 inches occurred at Orange Vale in the North-Eastern division, and the heaviest fall in 24 hours was 6.80 inches at the same station on 13th. Greatest amount of rain fell in Portland shewing a mean of 91.85 inches. No rain fell at Plumb Point Lighthouse and Glenmuir.

*March.* The mean rainfall for the month was above the average. The North-Eastern and Northern divisions had much above their average rainfall, while the West-Central and Southern divisions had less than theirs. Most of this rainfall appears to have occurred about the 3rd and again on 12th and 13th, when exceptionally heavy falls occurred, especially in the parishes of Portland and St. Mary, causing extensive damage to roads. There were, however, 6 rainy days as against the average of 8—hence not so well distributed. The greatest total fall for the month was 35.76 inches at Shrewsbury in the North-Eastern division, and the heaviest fall in 24 hours was 24.79 inches at the same station on 13th, while at Paradise in the same division 23.65 inches was gauged on the same date. The greatest amount of rain fell in Portland with a mean of 12.32 inches, followed closely with 10.23 inches in the parish of St. Mary.

*April.* The month's mean rainfall was exceeded, over the normal, in all the divisions. The rainfall was well distributed the mean number of rainy days being 11, as compared with the average of 9—Bath and Burnt Ground has the most rainy days with 21 each. The greatest precipitation appears to have occurred from 6th to 13th and on the 25th and 28th. The greatest total fall for the month was 32.40 inches, at Greenvale in the North-Eastern division, and the heaviest fall in 24 hours was 12.00 inches at the same station on the 9th. The parish of Portland continued to shew the greatest parish rain, with 16.43 inches, and Kingston the least with only 0.93 inch.

*May.* The mean rainfall for the month shewed a mark excess over the normal in all the divisions, except the Southern which was lightly below the normal. The "May Season," therefore, was more in evidence than of the year previous. Heavy Flood rains occurred along the North Coast on 15th, 16th, 17th, and again from the 22nd to the 25th, causing serious damage to roads. The mean number of rainy days was 15, and the average 12. The greatest number was 29 at Bethel Town district, in the West-Central division. The greatest total fall for the month was 33.62 inches at Canaan in the Northern division, and the greatest fall in 24 hours was 11.10 inches at Windsor Castle in Portland, on 16th. The greatest month's mean fall is shewn in the parish of St. James, with 20.74 inches, followed by St. Mary with 18.75 inches.

*June.* The mean rainfall for the month was much above the normal in all the divisions. The heaviest precipitation appears to have taken place on the 6th and 10th, but the rainfall was well distributed. The mean number of rainy days being 15, as compared with the average of 10. The greatest number being 27 at Burnt Ground in the West-Central division. The greatest total fall for the month was 31.26 inches at Priestman's River in the North-Eastern division, and the heaviest fall in 24 hours was 8.14 inches at Clifton Hill in the West-Central division on the 10th. The parish of Hanover shewed the greatest mean with 15.70 inches, followed by Portland with 15.59 inches.

For the half year this phenomenal rainfall totalled 45.65 inches as against the aggregate normal total of 31.91 inches or 13.74 inches in excess of precipitation.

*July.* The mean rainfall for the month greatly exceeded the normal in all the divisions, being the greatest rainfall for July on record during the past 62 years: gauging 9.93 inches. In July, 1893, the next below gave 9.15 inches. The heaviest precipitation took place between the 9th and 11th also on 25th and 26th. The rainfall was fairly well distributed with 13 rainy days as against the average of 9. The West-Central division shewed 16 rainy days. The greatest total fall for the month was 36.38 inches, at Hope Bay in the North-Eastern division, and the heaviest fall in 24 hours was 8.30 inches at Buff Bay, in the same division on the 25th. The parish of Portland gauged the highest total with 19.49 inches, and the parish of St. Ann the least with 4.85 inches.

*August.* The mean rainfall for the month was much below the average in all divisions, being 4.26 inches as against the normal of 6.93 inches. Most of this small rainfall occurred on the 13th. The mean number of rainy days was 7 as against the average of 11. The greatest number was 17 at Bath in St. Thomas and at Highgate in St. Catherine. The greatest total fall for the month was 15.77 inches, at Millbank in the North-Eastern division, and the heaviest fall in 24 hours was 10.25 inches, at Wentworth in the Northern division on 13th. Portland gauged the highest mean with 8.79 inches and Kingston the least with 2.07 inches.

*September.* For the month the total mean rainfall was 7.47 inches, as against the normal of 7.91 inches, shewing slightly less than the average. The North-Eastern and Southern divisions showed an excess, but there was a deficiency in the Northern and West-Central divisions. The heaviest precipitation appears to have occurred on 12th and 20th, but the rainfall was well distributed, as the mean number of rainy days was 13, which corresponds with the month's average. The greatest number of rainy days was 26 at Bath in the North-Eastern division. The greatest total fall for the month was 19.62 inches at Millbank in the North-Eastern division, and the heaviest fall in 24 hours was 6.00 inches at Manchioneal in the same division, on the 20th. On the 12th there occurred a South-East Gale (which reached 50 miles per hour for a few minutes) which did extensive damage to banana cultivation throughout the Island, and on the 14th there was a local whirlwind of high velocity at Bandon Pen in the parish of St. James which blew down a large number of banana trees. The parish of St. Thomas gauged the highest mean for the month, with 14.96 inches, and St. Ann the least with only 4.06 inches.

*October.* The October "Rainy Season" gauged above the normal, for the mean rainfall for the month was 11.81 inches as against the average of 10.39 inches. There was a marked excess in the North-Eastern division. The Northern and Southern divisions were slightly above the average, but there was a slight shortage in the West-Central division. Most of the rain points to have fallen in the first and third weeks, and particularly on the 4th as well as the 18th and 21st. The rainfall was evidently uniformly distributed as the mean number of rainy days was 16, as against the average of 14. The greatest number of rainy days was 28 at Bath in the North-Eastern division. The greatest total fall for the month was 44.86 inches, at Millbank in the North-Eastern division, and the heaviest fall in 24 hours was 8.00 inches at Moore Town in the same division on the 4th. At Windsor, in St. Elizabeth, two inches of rain fell in about 25 minutes on the 24th. The parish of Portland gave the highest mean rainfall of 22.34 inches, and the parish of Trelawny, the least, with 6.12 inches.

*November.* The mean rainfall for this month was above the normal, and was exceeded in the North-Eastern and Southern divisions, but the Northern and West-Central divisions were deficient. The general mean shews 9.24 inches, and the normal 8.70 inches. The heaviest precipitation appears to have taken place, during the first and third weeks, but the distribution was fairly uniform, there being a mean of 14 rainy days as against the normal of 12. The greatest number of rainy days was 29, at Bath in the North-Eastern division. The greatest total fall for the month was 55.77 inches at Greenvale in the North-Eastern division and the heaviest fall in 24 hours was 10.60 inches at Manchioneal in the same division on the 23rd. Portland shews the greatest mean rainfall of 33.57 inches, and the parish of Kingston the least, with only 3.60 inches.

*December.* The mean rainfall was much below the normal in all the divisions, shewing 3.11 inches as against the average of 5.72 inches. Most of the rain appears to have fallen from the 1st to 4th, and again from the 28th to 31st. The mean number of rainy days was 8, as against the normal of 9. The greatest number of rainy days was 29 at Hampstead in the North-Eastern division. The greatest total for the month was 20.40 inches at Millbank in the North-Eastern division, and the heaviest fall in 24 hours was 4.75 inches at Greenvale in the same division on 20th. No rain fell at Bull Bay in the Southern division. Portland, again, for the ninth month in the year, gave a mean highest rainfall with 11.25 inches.

#### THE ISLAND RAINFALL FOR THE YEAR 1931.

The total mean fall for the 12 months was 91.53 inches as against the 50-year normal of 76.46 inches, shewing an excess of a little over 15 inches. The first half of the year shewed 13.71 inches in excess, and the second half 1.45 in excess in the aggregate. The months of August and December only, were a little below their normals, the remainder were much above. The North-Eastern division was 33%, the Northern division 35%, and the Southern division 12% above the normal, whilst the West-Central division was about 1% below the normal.

The total rainfall of 91.53 inches for the year 1931 has been phenomenal: being the third greatest total rainfall for 62 years. In 1915 is recorded 104.95 inches and in 1916, 106.22 inches, and the next lower than 1931 is 90.61 in the year 1886.

The mean number of rainy days for the year was 138 as against the normal of 122 days—representing a mean of 0.66 inch per rainy day—October, as in the year previous, had the greatest number of rainy days, with 16, and March the least with only 6 days. The parish of Portland gauged the greatest total annual rainfall of 199.49 inches. Then St. Mary was next in order with 119.09 inches. The parish of Kingston gave the least with only 36.36 inches.

#### WEATHER DISTURBANCES.

*July.* There were no Tropical Weather Disturbances within barometric range of Jamaica in July.

*August.* On the morning of 11th August, a steamship located a Weather Disturbance some distance to the South-East of San Juan, Porto Rico. The disturbance was then estimated by the United States Weather Bureau to be of small diameter and slight to moderate intensity, moving to North-West at about 12 miles per hour. Then at 10.00 p.m. on 12th its position was about 200 miles South of the City of San Domingo. From this point it appears to have travelled Westward to a position 150 miles to South-East of Kingston, Jamaica, at 10.00 a.m. on 13th attaining considerable intensity. On the 14th at 10.00 a.m. it moved to South-West of Negril Point. Then later on about 100 miles to the South of Swan Island during the night of 14th, continuing to Westward. Most of the rain fell in Jamaica about the 13th of the month.

On Sunday 16th there was some indication of a Weather Disturbance to the North-East of Barbados. On the same day the disturbance apparently moved to some point to the West of the Island of Dominica, then, on the 17th it travelled in the vicinity of Porto Rico. On the 18th it passed towards the Atlantic Ocean, 21° North Latitude, and 68° West Longitude, moving North-West. The Kingston Barometer fell to 29.872, on 17th at 3 p.m., or about half an inch below normal.

**September.** On 2nd, the United States Weather Bureau issued a notice of a Tropical Disturbance a short distance to North of Island of St. Thomas, apparently moving Westward on 3rd to North-East of Haiti. It apparently continued to South of Guantanamo, Cuba, on 4th, recurved in vicinity of Key West. Some loss of life and property reported from Porto Rico owing to heavy floods.

On 7th September, a Tropical Disturbance was located to the South of Porto Rico, of moderate intensity, probably South of 15° North Latitude. It continued in a North-Westerly direction passed to South of Jamaica, on Wednesday 9th, then travelled towards British Honduras, the centre passing over the town of Belize on 11th, causing at Belize an appalling loss of life and property, the result of a severe hurricane and great tidal wave.

On the night of the 10th another disturbance was located a short distance to North-West of St. Thomas apparently moving West-North-Westerly. St. Thomas reporting wind at 60 miles per hour. This storm continued Westerly, and near South of Jamaica a gale developed, with South-East wind at 50 miles per hour for a few minutes causing some destruction to banana trees over the Island. A gale of less intensity prevailed for almost half an hour. This storm continued to Yucatan, Mexico, on 14th.

**October.**—No hurricanes reported in the Caribbean region during October.

#### "NORTHERS, ETC."

At Kingston, fresh to brisk "Northers" at intervals from 4th to 26th February, varying from 10 to 20 miles per hour. In March, from 3rd to 24th at intervals at 10 to 20 miles per hour. In April, on 7th fresh Norther. Then high Northerly wind on April 26th at 25 miles per hour. In November, "Northers" of moderate force from 6 to 12 miles per hour prevailed during the first half of the month on the Northside of the Island.

At Negril Point, "Northers" on 6 days in January, 5 days in February. Light "Northers" throughout March and on 2 days in November.

Morant Point—North-East gales on 6 days in January, 4 days in February, 2 days in March and on 16th March. Then North-West gale on 26th May. "Northers" 2 days in November.

#### HAIL STORMS.

Hail fell at Kempshot, St. James, on 22nd and 30th July, also at Bog Estate, Westmoreland, on 15th September.

#### EARTHQUAKES.

There were no shocks reported for 6 months. January to June—Moderate shock at Kingston on 14th July, slight shock Buff Bay on 6th August, and slight shocks at Manchioneal and Golden Grove on 25th August. Slight shock at Kingston on 2nd September, and at Unity Valley on 6th, Spanish Town on 24th September, slight shock at Pedro Plains on 23rd November, also at Myersville on 25th November. Slight shock at Kingston 9th December.

### YEAR 1931—METEOROLOGICAL RESULTS.

#### CITY OF KINGSTON.

The total Rainfall at the Public Works Building was 33.18 inches, and the 59-year normal being 31.57 inches. The total number of rainy days was 89 as against the 49-year average of 79.4. The May "Season" rain was a little below the normal of 4.02 inches. The October "Season" rain was also a little below normal. The July rainfall was the highest for the period of 62 years, giving 7.80 inches, as against the normal of 1.54 inch. The first half of the year gauged only 3 inches and the second half 30 inches (approximately). The mean temperature was 79.4 degrees and the 33-year normal 78.7 degrees. The extreme maximum temperature was 94.1 degrees on 28th August, and the extreme minimum was 62.3 degrees on 6th February. The greatest monthly range of temperature was 28.2 degrees in February, and the least range 20.5 degrees in July. The mean number of miles of wind per day was 175 as against the 20-year normal of 182. The total monthly miles of wind was above normal in the months of March, August, September, October and December. The mean relative humidity was 78% or 1% below the 33-year normal of 79%. Distant lightning or local thunderstorm were noted from March to October and in December.

#### NEGRIL POINT LIGHTHOUSE.

The total rainfall at this Station, (extreme West of Jamaica) for 1931 was 45.44 inches, the normal being 54.49 inches. There were 147 rainy days with a maximum of 20 in June and a minimum of 7 in January and three other months. The greatest monthly rainfall occurred in June with 9.21 inches, and the least in February with 1.34 inch. The months of January, May and June were above the normals, the remainder were below—Distant lightning or thunderstorm 1 day in January, and from April to December.

The extreme maximum temperature was 93.7 degrees on September 4th, and the extreme minimum 63.6 degrees in January and March, 20th and 21st, respectively, giving an extreme annual range 30.1 degrees. The greatest monthly range of 25.9 degrees occurred in March. The mean number of miles of wind per day was 218.

#### MORANT POINT LIGHTHOUSE.

The total rainfall for 1931 at this station (extreme East of Jamaica), was 94.50 inches, or 24.31 inches above the normal of 70.19 inches. There were 214 rainy days with a maximum of 24 in September and October, respectively, and a minimum of 6 in March. The greatest monthly rainfall of 17.72 inches occurred in November and the least 1.10 inch in March. The months of March, May, August and December gauged below their normal, the remainder of the months was above.

The extreme maximum temperature was 89.5 degrees on August 31st, and the extreme minimum 59.6 degrees on March 20th giving an extreme annual range of 29.9 degrees. The greatest monthly range was 26.1 degrees in March, and the least 13.2 degrees in December.

The mean number of miles of wind per day was 282, considerably more than the record at Negril and Kingston.