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JAMAICA RAINFALL

FROM 1870 TO 1889.

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THE JAMAICA RAINFALL FROM 1870 TO 1889.

An account was given of the Rainfall from about 1870 to the end of 1879 in Weather Report No. 31, and 61 registers were published in Weather Report No. 33.

The present Report is a continuation of the former, containing comparisons and results.

The two following Tables allow comparisons to be made between the Monthly Rainfall over the Island, and the Annual Rainfall over each Division, for the two decennial periods, 1870 to 1879, and 1880 to 1889.

These Tables contain the results of the different Annual Rainfall Reports which have been published for each year since 1880; and in this way the proper weight is given to the length of time of registration at each Station.

The Island Monthly Rainfall, 1870 to 1889.

Year.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Total.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
1870 ...	3.99	4.35	3.10	2.79	17.38	3.58	4.33	5.72	8.05	16.74	12 50	6.90	89.43
1871 ...	2.40	1.60	2.29	3.46	6.43	1.98	3.79	3.46	5.70	8.88	5.88	4.22	50.09
1872 ...	3.00	2.84	3.06	2.06	5.18	2.41	2.89	5.24	4.55	6.09	3.13	4.73	45.18
1873 ...	8.15	1.94	5.47	1.15	5.06	2.58	2.56	7 51	10.73	8.57	3.53	5.81	63.06
1874 ...	3.44	2.20	0.61	4.40	10.65	3.96	2.51	9.65	6.82	11.69	10.52	2.49	68.94
1875 ...	2.57	0.67	2.59	3.05	8.54	3.74	3.87	5.13	7.60	5.58	2.34	6.74	52.42
1876 ...	6.00	0.96	1.63	4.68	8.24	5.40	8.15	5.06	5.19	11.36	8.96	5.72	71.35
1877 ...	5.94	1.18	5.38	2.91	15.03	6.50	4.68	1.76	5.01	4.50	7.63	7.88	68.40
1878 ...	6.35	2.80	2.78	0.70	4.86	6.63	5.85	10.80	7.43	11.29	7.32	9.61	76.42
1879 ..	2.81	5.30	6.49	7.28	9.14	10.64	4.47	12.32	7.38	15.96	5.29	1.76	88.84
Means ...	4.46	2.38	3.34	3.25	9.05	4.74	4.31	6.66	6.85	10.07	6.71	5.59	67.41
1880 ...	4.36	0.96	1.10	2.77	11.60	3 09	3.86	9.58	3.97	4.00	2.21	7.94	55.44
1881 ...	1.22	4.01	1.30	4.63	10.28	5.56	4 77	6.21	7.68	12.08	7.52	3 34	68.60
1882 ...	2.92	1.93	3.54	3.32	8.22	2.33	3.76	4.80	8.78	8.96	5.36	3.95	57.87
1883 ...	5.49	3.50	4.08	3.34	5.29	4.98	3 15	5.42	7.82	8.15	5.12	2 92	59.26
1884 ...	4.72	3.44	2.51	1.85	6.72	6.89	2.52	5.06	6.23	9.52	5.10	2.44	56.90
1885 ...	1.73	1.49	1.47	4.73	4.90	3.32	3.01	6.19	6.22	6.37	4.74	15.69	59.86
1886 ...	5.23	4.65	2.68	6.39	5.30	23.36	6.22	13.54	5.90	7.98	3.70	5.66	90.61
1887 ...	6.02	2.32	2.38	4.47	9.32	8.89	7.19	6.91	5.77	8.47	8.17	0.75	70.66
1888 ...	1.36	1.89	1.70	3.61	21.24	6.77	2.65	5.47	8.10	4.38	4.59	10.35	72.11
1889 ...	4.78	0.90	4.19	6.71	7.82	12.52	6.08	5 12	8.20	10.49	4.37	2.97	74.15
Means ...	3.78	2.51	2.49	4.18	9.07	7.77	4.32	6.83	6.87	8.04	5.08	5.60	66.54

Annual Rainfall for each Division.

Year.	Rainfall Divisions.				The Island.
	NE.	N.	WC.	S.	
	In.	In.	In.	In.	In.
1870 ...	110 60	83.09	102.98	61 07	89.43
1871 ..	69.45	41.88	54 56	34.46	50.09
1872 ...	59.42	40.79	51.50	29.02	45 18
1873 ...	84.08	52.64	67 79	47.71	63.06
1874 ...	97.18	68.25	62.97	47.35	68.94
1875 ...	71.89	47.15	56.16	34 47	52.42
1876 ...	90.38	54.71	87.33	52.99	71.35
1877 ...	100.72	56.53	64.06	52.27	68.40
1878 ...	104.12	62 99	72.44	66.11	76.42
1879 ...	122.55	65.44	87.54	79.85	88.84
Means ...	91.04	57.34	70.73	50.53	67.41
1880 ...	76.37	47.01	64.91	33.47	55.44
1881 ...	91.24	49.42	75.32	58.42	68.60
1882 ...	65.48	43.76	78 59	43.67	57.87
1883 ...	72 30	41.52	78.19	45.02	59.26
1884 ...	69.00	41.87	73.10	43.63	56.90
1885 ...	70 55	52.77	72.62	43.52	59 86
1886 ...	126.61	60 98	88 21	86.64	90.61
1887 ...	80.25	61.07	80.14	61.16	70 66
1888 ...	98.00	54 42	70.43	65.58	72.11
1889 ...	99.81	56.82	75.94	64.02	74.15
Means ...	84.96	50.96	75.74	54.51	66.54

It will be noticed in the first Table that although the average Rainfall is almost identical in the two periods, namely 67.41 and 66.54 inches respectively, yet the large variations show that this agreement is probably due to chance. The heavy rains in May and October, 1870, in May, 1877, in October, 1879, in December, 1885, in June, 1886, and in May, 1888, are so far above the average that the results are influenced by these "flood-rains;" and it therefore follows that the average Rainfall for any decennial period will depend on the flood-rains experienced in that period. Also that the constancy or variation of the Island Rainfall cannot be gathered from 2 or 3 decennial periods; a century is required for this purpose.

In the second Table it will be noticed that there was a curious shifting of the Rainfall from NE. and N. divisions to the WC. and S. divisions. In the second period both the NE. and N. lost 6 inches, while the WC. gained 5 inches and the S. gained 4 inches, so that the whole Island lost somewhat less than one inch. Such variations are no doubt chiefly due to the flood-rains falling in different localities.

But variation in both Tables may be produced by variation in the distribution of the Rain-gauges; and it may be said that it would be better to base the Island registration on a few well selected stations, instead of as many as possible kept by voluntary observers.

Now a careful examination of the registers shows that the monthly Rainfall is highly irregular both *from year to year* and also *from one locality to another*. *The irregularity from year to year can be overcome by keeping the register for many years*; the irregularity from place to place can only be overcome by keeping as many stations as possible; and eventually fairly correct maps of the Island Rainfall may be made from the results of the latter and adopted system of registration, while a system based on a few well-selected stations may give no useful results whatever.

For instance, let us select out of the 200 registers kept more or less regularly during the two periods those registers which are perfect and have been continuously recorded from January 1st, 1870, to December 31st, 1889; and let us compare their results for the two periods. There are only 9 such registers, and their results are given in the following Table:—

Stations whose registers are perfect from January, 1870, to December, 1889, inclusive.

Stations.		Rainfall Division.	Average Rainfall. 1870–79.	Average Rainfall. 1880–89.
			in.	in.
Albion	St. Ann ...	NE.	78.20	75.67
Drax Hall	" ...	"	67.15	67.01
Brace	Trelawny ...	N	49.79	42.80
Georgia	" ...	"	54.53	45.91
Harmony Hall	" ...	"	44.93	4[illegible].05
Lancaster	" ...	"	52.12	47.29
Vale Royal	" ...	"	61.21	54.43
Windsor, Sav.-la-Mar	...	WC.	68.86	58 47
Public Works Office, Kingston	...	S	43.18	32.78

Grouping these Stations according to their Divisions, we have:—

—	1870–79.	188[illegible]–89.
North-eastern Division ...	72 68	71.34
Northern " ...	52.52	46.08
West Central " ...	68.86	58.47
Southern " .	43.18	32.78
The Island ...	59.31	52.17

Thus it would appear that in the first period there were 7 more inches of rain than in the second period and that the Island Rainfall was only 55 or 56 inches. But this is all quite wrong for want of proper distribution of the stations; and a proper distribution can at present be only ascertained by registering as at present.

Consequently we here give the results of as many registers as have been kept for at least 5 years, four stations being admitted as exceptions to this rule on account of their geographical importance. In the last column but one is given the number of years during which the corresponding registers have been kept; and in the last column is given the approximate elevation of the stations above the sea-level; the remaining columns contain the average rainfall for each station for each month of the year and for the year itself and require no further explanation.

NORTH EASTERN DIVISION

Stations.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	No. of Years.	Elevation.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.		Ft.
St. Thomas.															
Holland	5 22	2.45	3.25	2.10	7.82	10.04	3 22	6.73	8.48	13.86	8.19	8.85	80.21	5	20
Hordley	6.69	4.42	4.44	5.58	16.69	15.06	7.88	11.09	12.58	14.95	9.02	9.85	118.25	15	20
Portland.															
Elmwood	11.12	4.31	4.94	10.67	26.51	22.04	7.43	12.45	9.49	13.31	9.23	15.18	146.68	5	500
Boston	9.45	4.76	5.04	6.79	23.51	18.33	8.09	11 07	12.62	13.56	12.86	11.03	137.11	7	200
Port Antonio	10.02	5 34	4.28	6.87	20 65	19.41	9.68	12.62	9.67	13.39	13.72	14.02	139.67	7	10
Blue Mountain Peak	15.69	18 69	10.76	7.41	25.13	28.15	7.15	12.93	9.36	10.69	21.41	30.01	197.38	5	7,423
St. Andrew.															
Cinchona Plantation	8.32	3 22	6.38	7.17	10.27	8.13	3.90	9.75	9.79	17.38	10.11	12.15	105.57	19	4,907
Newcastle	6.39	3.19	5.46	9.65	10.46	5.63	5.94	7.88	12.66	19.55	12.18	10.21	109.20	7	3,700
Stony Hill	4.31	2.16	3.11	5 30	10.10	8 15	5 48	11.82	9.85	13.30	6.07	4.60	84.25	16	1,425
St. Mary.															
Castleton Gardens	8.36	4.04	4.45	6.74	12.90	10 56	6.38	11.04	9 55	13.71	9.52	12.76	110.01	18	580
Dover	11.25	8.59	4.04	4.39	11.55	13.60	5.13	5.14	2 85	11.05	9.99	14.66	102.22	7	20
Water Valley	10.72	3 68	4.80	3.78	9.12	4 88	4.43	4.24	7.28	8.69	9.82	10.25	81.69	5	100
Quebec	8.17	4.56	2.85	3.36	7.72	8.13	2.47	3.89	3.48	8.35	7 14	10.42	70.54	6	20
New Ramble	7.87	5 21	4.28	2.88	8.61	7.16	3 01	5.54	5 37	7.90	10.24	10.50	78.57	13	700
Gayle	8.21	5.43	5.10	4.50	8 93	9.27	2.20	6.65	6.05	11.11	10.56	11 48	89.49	12	400
Goshen	9.08	4.74	5.58	2.54	8.72	5.69	2 83	6.19	6.32	10.76	8.25	11.57	82.27	8	980
St. Ann.															
Rio Hoe	6.05	3.64	4.63	4 40	10.90	11.38	5.43	8 02	6.61	10.29	8.31	10.62	90.28	13	1,100
Unity Valley	5 28	3.01	4.28	4.76	10.68	8.71	6.07	6.79	7.27	8.39	6.89	7.84	79.97	15	1,170
Albion	5.35	3 26	3 87	4.55	8.62	6.50	4.23	6.58	6.84	8.14	8.73	8.01	74.67	25	2,000
Bradfield	7.13	4.32	4.71	3.63	8.43	5.27	5.44	5.09	5 90	7.76	10.38	9.79	77.85	25	1,650
Averham Park	5.64	3.54	3.20	5.13	8.61	9 08	4.12	5.97	4.57	5.69	7.91	12 29	75.75	3	1,600
Lillyfield	10.12	7.42	6.15	4.66	9.20	8.03	2 64	6.34	5 80	9.58	11.93	13.62	95.49	10	1,500

NORTHERN DIVISION.

St. Mary.															
Port Maria	7.50	3.95	3.25	2.79	7.64	8.01	2 58	4.81	3.68	7.74	8.46	8.89	69.30	6	20
St. Ann.															
Drax Hall	7.08	3.81	3.62	2.84	8.05	4.97	2.61	4.10	4.25	7 00	9.56	9.26	67.15	20	50
Seville	6.01	3.83	3.78	2.85	8.06	5.89	2.17	4.35	3.83	6.09	9.54	9.15	65.55	13	150
Richmond Estate	6.38	3.50	2 32	2.56	8.59	6.80	1.81	4.19	4 33	8.14	9.18	10 31	68.11	10	50
Llandovery	6.19	3.12	2.35	2.76	8.33	5 87	1.63	3.57	4.21	7.53	8.49	10.21	64 26	10	50
Home Castle	5.41	3.34	2.27	2.37	6.29	4.77	2.03	4.28	4.86	6.13	5.56	7.48	54.79	9	900
Richmond Pen	4.49	1.76	2.15	4.15	8.13	5.87	2.48	6.23	6.28	6.61	3.85	4.40	56.40	10	1,800

NORTHERN DIVISION, *continued.*

Stations.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	No. of Years.	Elevation.
Trelawny.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.		Ft.
Mahogany Hall	4.30	2.57	1.87	3.37	7.74	5.16	4.41	6.13	5.95	6.26	5.15	5.71	58.62	14	850
Hopewell	5.88	2.71	2.50	2.81	6 97	4.30	3.66	6.16	5 09	6.65	6.26	8.17	61.16	15	900
Brampton Bryan	4.40	1.56	2.00	1 96	6.36	2.43	2.68	4.20	4.08	4.79	5 30	6.12	45.88	16	1,090
Bryan Castle	4.37	2.10	1.84	1.86	5.46	2 85	1.95	3.17	3.39	4.60	5.46	6.48	43.53	17	920
Braco	4.37	2.21	1.79	2.32	5.51	3.35	2.15	3 62	3.76	4.95	5.76	6.48	46.27	20	90
Arcadia	4.93	2.41	1.75	2.02	4.71	5.14	2.13	4.27	4.38	5.55	6.06	7.29	50.64	10	980
Harmony Hall	3.93	2.28	1.70	1.91	4.68	2 75	1.63	2.91	3.81	4.62	5.69	6 56	42.47	20	140
Lancaster	4.73	2.51	2.17	2.26	5.66	3.33	2.22	3.77	4.20	5.50	6.22	7.06	49.63	20	100
Vale Royal	5.09	2.76	2.26	2.67	6.54	4.39	3.08	5.20	4 66	6.08	6.68	8.39	57.80	20	800
Colchis Pen	2.91	1.12	1.05	3.02	7.08	5 46	3.07	5.51	4.73	6.14	3.51	5.31	48.81	10	750
Hyde	5.12	2.38	2.89	2.85	8 50	5.66	5.27	6.36	6.38	7.16	6.18	6.89	65.64	20	700
Gibraltar	5.19	1 13	2.67	1.81	9.04	3.50	4.05	4.83	6.77	7.04	5.81	5.83	57 67	7	700
Georgia	4.05	2.50	1 98	2.19	6 06	3.69	2.55	4 17	3.93	5.67	5.38	7.53	49.70	20	860
Steelfield	4.85	2.31	2 18	2.26	5.91	4.60	2.93	4 08	4.34	5.94	5 60	6.84	51.84	18	700
Oxford	4.11	2 10	1.48	1.95	5.92	5.12	2.42	3.48	4.04	6.93	4.44	7.60	49.59	9	700
Cambridge	5.29	2.43	2 18	2 57	6.78	5.27	3 28	4 37	4.22	5 84	5.04	7.04	54.31	13	750
Spring	3.89	3.32	1.95	2.23	5.02	3.87	1.56	3.90	3.56	6.21	3.99	6.19	45.69	10	700
Lottery	4.08	2.10	2.02	2.00	6.69	4.05	2.34	4.24	4 55	5.92	5.07	6.14	49.20	20	200
Falmouth	3.46	1.41	1.80	2.04	6.02	2 41	1 75	3 22	3.39	5.55	5.30	5.85	42.20	18	10
Holland Pen	2.98	2.31	1.56	2.41	6.11	4.45	1.75	3 45	3.47	4 44	3.88	4.77	41.58	10	20
Pembroke	3.96	1.54	2 00	2.71	6.28	4.78	3.10	5.15	4 53	5.22	5.12	5.95	50 34	11	550
Golden Grove	2.89	1.82	2 30	2 30	8.67	6.02	3.46	5 62	6 19	6.06	5 17	5 00	55.50	13	350
Tilston	3.45	1.63	2.55	2 36	8 29	5 44	3.32	6.03	5.77	6.28	5 01	5.15	55.28	14	300
Weston Favel	3.24	2.72	2.06	3.48	10.99	8 29	4.94	7 74	8.12	6.63	4.39	5.41	68.01	11	400
Green Park	4.19	1.75	2.01	1.63	6.91	3.78	2.06	3.83	4.30	5.09	5.20	6.12	46.87	20	500
Orange Valley	3.64	2.04	1.64	1 75	5.90	3.38	1.75	3.43	3.78	5.15	4.23	5.97	42.66	15	300
Kent	4.35	2.46	1.77	2.02	6 14	3.80	1.58	3.61	4.70	5.57	4.18	5.28	45.46	13	200
Dundee	4.07	2.03	2.18	1.86	6.89	4.47	2.73	4.68	4.80	5.46	5 39	6.09	50.65	15	500
Phœnix	3.62	2.32	2 14	4.51	8.57	8.98	5 34	5.25	7.23	8 51	5.28	8 19	69.94	5	300
Gales Valley	3.26	1.78	2.02	2.51	9 21	6.87	4.20	6 51	6.75	5.88	5 02	5 55	59.56	15	300
St. James.															
Greenwood	3.27	1.98	1.64	1.61	4.05	3 82	1.38	3.53	4.59	4 65	4.42	5 59	40.53	10	200
Content	4.36	2.12	2.39	2.16	8.06	3.28	2.20	4.59	5.28	6 08	4.25	5 48	50.25	13	770
Guilsbro'	2.84	2.21	1.60	3 27	8.79	8.05	4.36	6.04	7.52	6.51	6.24	4.69	62.12	11	400
Latium	3 93	3 71	2.25	3.94	7.82	7.69	4 37	8.28	10.54	8.18	6.85	5.71	73.27	13	450
Irwin	3.98	1.45	2.09	2.81	7.83	5.41	3.77	6 61	6.85	6.86	5.32	5 81	58 79	18	400
Leogan	5.60	2.11	1.89	2.57	5.75	4.73	3.02	6.14	5.73	7 21	4.99	7.49	57.14	11	400
Success	4.51	1.84	2.30	2.11	5.41	2 05	1.51	2.59	3.68	5 37	4.96	3.86	40.19	9	20

NORTHERN DIVISION, *continued.*

Stations.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	No of Years.	Elevation.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.		Ft.
St. James.															
Cinnamon Hill	3.04	1 74	1.05	1.49	3.46	3 94	0 34	2.31	4.09	3.69	3.86	5.51	34.52	7	210
Rose Hall	3.40	2.04	1.05	1 43	2.23	4.18	0 84	2.56	5.06	4 17	3.98	6.47	37.41	7	50
Running Gut	3.23	1.65	1.41	1.77	4.82	2.84	1.02	2.69	4.22	4.77	4.19	5.72	38.33	19	50
Ironshore	2.77	2 65	1.35	2.65	5.06	4.43	2.02	5.12	4.65	4 85	3.59	5 81	44.95	12	50
Providence	3.15	1.94	1.10	2 97	5.33	4 34	1.38	4 65	5.43	4 88	3 69	6.72	45.58	9	50
Montego Bay	3.11	2.11	1.64	3.29	6 87	7.76	3.79	6 29	5 63	5.38	3.44	6.62	55.93	6	20
Catherine Hall	3 71	2.02	1.94	2.93	7.94	6.18	3 96	6.72	6.89	6 76	3.70	5.70	60 45	11	50
Catherine Mount	4.04	1.66	1.66	2.93	8.19	6.41	4.17	7 04	6.05	6.65	3.81	6.16	58.80	17	100
Fairfield	3.38	1.84	1.89	3 16	9.67	6.82	3 97	6.89	6.62	6.10	3.73	5.83	59.90	10	100
Anchovy	2 82	1.37	1.67	3 44	9.38	8.27	5.57	8.79	8.52	6.99	3.55	3.85	64.22	10	800
Eden	3.07	1 73	1.45	4.38	8.52	8.63	4.65	8.03	6.39	6 96	3 61	5.06	62 48	6	700
Wiltshire	3 08	2.10	2.65	4.07	9.58	8.07	6.03	8.30	8.19	7.13	4.68	4.37	68.25	13	740
Hanover.															
Round Hill	1.95	1.09	2.09	2.26	6.74	6.52	3.94	5.55	5.54	5.14	3.34	3.50	47.66	13	100
Tryall	1 92	1.06	1.67	3 03	6.79	6.94	4.68	6.61	6.76	5.67	3.31	3.67	52.11	14	120
Kew	2.32	2.80	3.45	5.04	11.88	8.41	5.26	7.55	8.16	7 91	3.79	2.74	69.31	7	100
Haughton Court	2.94	2.15	2.64	2 78	7.68	9.30	5.75	6.41	6.53	5 54	3.07	4.73	59.52	8	50
Orange Cove	3.08	2.25	2.60	3.68	8.52	7.71	5 45	6.46	7.01	7.69	3.95	4.57	62.97	17	20
CENTRAL SUB-DIVISION.															
St. Catherine.															
Head Works, Rio Cobre Canal ..	2.57	1.42	3.76	3.47	9.12	8.09	4.37	7.02	6.39	9.09	4.77	2.29	62.36	13	157
Linstead	2 63	2.26	2.14	5.16	10 43	8.85	5.80	8.64	7.99	8.80	4.25	3.56	70.51	10	400
Clarendon.															
Chapelton	2.55	2.14	2.85	3.18	7.75	7.86	4.08	8.98	7.65	11.58	4.42	2.40	65.44	13	900
St. Ann.															
Cave Valley	2.45	2.33	3.20	5.40	10.80	7.71	5 01	8.24	7.68	9.45	5.14	2.71	70.12	19	1,870

WEST CENTRAL DIVISION.

Stations.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	No. of Years.	Elevation.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.		Ft.
CLARENDON.															
Pennants	1.84	1.76	4.76	3.60	11.56	7.18	6.10	12.13	8.08	11.89	5.36	3.14	77.40	6	700
Whitney	2.62	2.00	3.59	3.55	11.75	10.05	6.55	10.20	9.48	13.82	5.79	4.10	83.50	12	1,300
MANCHESTER.															
Farm Plantation	2.68	2.31	3.35	4.05	10.13	11.84	5.56	9.39	8.83	13.84	4.74	3.40	80.12	12	2,000
Brokenhurst	5.33	2.65	3.04	6.06	13.68	18.63	7.68	10.01	10.40	10.60	5.87	6.73	100.68	5	2,000
Mandeville	3.37	2.47	4.76	3.98	12.76	6.46	6.08	10.60	10.07	17.19	6.56	3.84	88.14	10	2,130
Marshall's Pen	3.01	2.74	3.80	5.44	11.68	6.69	5.45	9.39	8.43	12.89	5.10	3.51	78.13	10	2,000
ST. ELIZABETH.															
Gilnock Hall	2.44	2.59	3.94	9.62	10.36	8.67	3.47	7.72	10.12	10.11	5.87	2.74	77.65	8	200
Barton Isles	2.63	3.33	3.52	12.40	9.85	6.54	5.24	9.75	10.34	9.77	4.47	4.66	82.50	7	380
Appleton	2.21	3.29	4.29	9.70	10.85	8.77	6.72	11.48	10.92	11.51	5.17	3.44	88.35	11	500
TRELAWNY.															
Windsor Pen	3.95	1.79	1.13	6.79	10.81	12.84	7.73	9.47	10.18	7.03	4.95	7.01	83.68	5	1,200
ST. JAMES.															
Spring Vale	4.68	2.44	2.84	4.82	12.43	11.30	7.86	11.86	10.49	8.81	5.73	6.60	89.86	18	500
Maroon Town	3.78	2.05	3.14	7.93	10.88	13.51	11.49	13.80	12.13	11.02	4.81	4.51	99.05	8	1,700
Salters Hill	4.65	2.66	2.79	3.29	13.04	7.58	6.37	8.13	6.90	8.09	6.57	6.68	76.75	13	900
Kempshot	3.91	2.70	2.35	4.81	8.32	9.77	6.62	9.46	9.23	6.86	5.10	4.48	73.61	8	1,773
ST. ELIZABETH.															
Bloomsbury	3.24	2.94	3.78	8.21	10.99	9.17	7.52	10.84	11.63	10.54	6.04	2.72	87.62	8	2,000
Kepp	3.36	4.42	3.71	9.83	12.51	8.48	8.39	11.14	11.44	10.76	5.71	3.14	92.89	10	1,330
WESTMORELAND.															
Windsor Forest	3.88	4.32	4.17	10.10	13.70	9.55	9.46	13.53	11.41	12.49	5.99	4.37	102.97	9	1,200
Woodstock	1.75	1.61	3.01	10.74	10.82	9.49	9.41	11.03	10.78	8.73	5.34	3.11	85.82	5	1,400
Struie	1.69	0.90	2.52	7.78	8.96	6.20	7.21	10.36	10.01	9.80	6.41	1.93	73.77	3	1,400
Kew Park	2.05	2.70	2.41	8.61	11.22	8.99	10.58	11.67	10.90	9.54	4.38	3.21	86.26	7	1,200
HANOVER.															
Chester Castle	1.72	2.46	2.39	7.35	10.95	8.93	9.38	11.73	9.43	8.05	5.42	2.82	80.63	9	400
Haughton Grove	2.44	2.61	2.12	6.35	11.58	8.04	8.66	11.87	9.91	9.03	4.78	3.64	81.03	7	800
WESTMORELAND.															
Mackfield	3.16	2.87	3.47	9.16	12.27	8.37	9.98	12.96	11.58	10.11	5.11	2.82	91.86	5	1,800
HANOVER.															
Burnt Ground	2.74	2.25	4.19	5.28	15.44	11.20	8.74	11.85	11.91	10.57	4.98	3.43	92.58	12	800
Copse	2.92	2.01	2.55	5.81	11.82	8.50	6.86	10.82	9.75	8.96	5.75	3.83	79.98	17	850
Cacoon Castle	4.44	1.92	2.35	5.28	13.13	9.48	7.81	10.66	9.52	7.83	4.89	6.09	83.40	17	900
Golden Grove	3.08	2.86	3.21	9.05	15.16	11.30	8.84	12.34	13.44	9.45	5.20	4.10	98.03	10	900
Great Valley	6.13	2.31	1.93	9.23	10.79	17.67	10.96	14.38	11.71	8.62	4.94	6.84	105.51	4	500
WESTMORELAND.															
Frome	1.97	3.81	2.75	7.21	10.04	10.58	8.14	9.58	8.28	9.50	3.02	1.96	76.84	5	80
Fontabelle	2.14	2.79	3.05	5.22	8.84	10.30	8.55	11.79	10.83	9.81	2.84	3.05	79.11	6	50
Belle Isle	2.01	2.79	2.57	6.92	12.78	10.58	8.77	10.31	10.82	8.47	3.56	2.95	82.53	10	50
King's Valley	2.46	1.49	2.79	5.03	11.72	12.17	12.69	11.41	13.90	11.56	4.73	4.49	94.44	4	100
HANOVER.															
Abingdon	1.63	2.09	3.41	5.62	7.50	12.17	10.61	9.19	9.79	7.23	4.80	4.86	78.90	8	30

SOUTHERN DIVISION.

Stations.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	No. of Years.	Elevation.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.		Ft.
St. Thomas.															
Morant Point Light House	4.10	2.26	2.02	2.97	13.73	7.70	2.88	5.62	8.49	10.44	5.22	6.65	72.08	20	12
Albion	1.57	0.72	1.32	0.98	7.50	9.84	2.85	5.24	4.56	7.72	3.26	2.16	47.72	8	50
Abbey	3.35	1.25	2.72	2.78	10.11	14.90	6.45	9.00	8.34	11.89	3.70	3.34	77.53	8	500
St. Andrew.															
Halberstadt	2.25	0.84	2.27	3.39	10.16	10.43	3.98	5.57	7.20	9.97	3.38	2.85	62.29	9	2,400
Hope Gardens and Reservoir	2.27	1.13	2.36	2.45	6.72	6.18	3.22	7.23	6.54	8.45	3.73	2.55	52.83	9	600
Cherry Garden "	2.62	1.24	2.56	3.53	5.83	10.09	3.85	9.19	6.58	9.16	3.41	2.77	60.83	8	800
King's House "	1.54	1.29	1.65	2.72	7.59	7.43	2.91	7.31	4.52	8.54	2.17	1.53	49.20	11	400
Up-Park Camp "	1.63	0.78	1.23	1.31	7.88	2.32	2.03	5.60	5.45	13.[illegible]0	5.06	3.18	50.27	6	200
Monaltrie "	1.64	0.99	1.63	1.42	5.97	5.33	2.43	5.93	5.69	8.56	3.54	2.17	45.30	18	250
Kingston, P.W.O.	1.45	0.66	1.38	1.08	5.58	4.41	2.09	5.05	4.31	7.48	2.56	1.91	37.96	20	60
Plumb Point Light House	1.03	0.76	1.17	1.09	6.19	4.74	2.27	4.29	3.92	7.48	2.28	1.62	36.84	20	9
St. Catherine.															
Ewings Caymanas	1.92	1.60	2.69	2.07	6.45	2.88	2.63	6.34	5.98	8.86	3.79	1.79	47.00	12	50
Spanish Town	1.80	1.49	2.79	2.85	6.66	5.93	3.00	5.75	5.21	7.72	2.84	2.27	48.31	13	150
Windsor Park	1.50	1.03	2.21	3.06	6.55	6.85	3.36	2.95	5.97	6.59	3.10	2.42	45.44	8	150
Hog Hole Pen	2.02	1.78	3.11	3.33	7.62	6.92	3.31	5.79	6.55	7.85	3.55	2.37	54.20	13	133
Old Harbour	2.62	1.95	2.41	2.09	5.15	9.62	3.38	3.77	6.47	9.72	4.33	2.66	54.17	7	130
Roden Pen	1.17	1.03	2.07	1.37	4.17	1.75	1.39	2.58	3.35	6.91	2.97	2.47	31.23	5	130
Clarendon.															
Ashley Hall	1.85	1.31	2.36	1.88	6.11	1.64	1.44	5.15	8.06	8.24	4.66	1.14	43.84	5	75
Halse Hall	1.72	1.09	2.38	2.54	10.26	4.09	4.01	7.37	6.65	10.18	4.28	1.89	56.46	9	260
Denbigh	1.51	1.41	2.05	2.11	7.94	4.86	2.77	5.03	5.39	8.83	4.82	2.29	49.01	24	200
Springfield	2.48	1.24	1.66	3.89	7.36	10.01	4.54	3.49	6.63	9.07	2.73	2.89	55.99	7	200
Manchester.															
Stones Hope	3.49	2.33	2.90	4.44	10.44	12.70	4.83	6.44	9.06	10.89	4.37	2.52	74.41	8	700
St. Elizabeth.															
Potsdam	2.53	1.37	2.93	5.30	6.41	9.63	3.36	5.43	7.45	8.77	4.61	3.05	60.84	5	2,300
Long Hill	2.25	1.74	3.11	8.92	9.77	7.27	3.82	6.60	9.47	10.43	4.91	3.07	71.36	10	300
Pepper	1.75	1.82	3.96	8.02	11.60	5.47	2.57	7.06	7.99	11.16	5.39	2.48	69.27	11	300
Santa Cruz	3.76	2.99	3.10	9.44	10.60	7.14	4.59	7.42	11.06	10.41	5.09	3.02	78.62	8	200
Fullerswood Park	1.63	1.24	2.24	4.37	5.50	2.63	4.73	5.77	5.99	6.41	4.69	2.64	47.84	8	50
Black River	1.72	1.98	2.17	4.09	5.96	3.92	4.90	5.89	5.27	8.69	4.36	2.49	51.44	19	4
Hodges	0.79	1.40	2.59	4.04	5.56	4.11	4.51	6.18	6.73	7.39	3.75	2.87	49.92	8	20
Mount Charles	2.90	2.14	4.03	6.28	9.08	8.13	5.45	8.23	9.34	8.75	4.91	2.94	72.18	5	1,500
Westmoreland.															
Mt. Edgecombe	1.89	2.47	2.77	4.29	6.53	7.01	6.19	6.02	7.98	9.48	4.11	2.61	61.35	10	590
Sweet River	2.09	2.56	3.19	4.92	7.15	6.89	6.39	7.68	7.80	8.57	2.81	2.87	62.92	9	150
Windsor, (Sav.-la-Mar)	1.97	2.50	2.93	4.96	9.52	6.74	7.09	7.04	6.96	7.70	3.65	2.46	63.52	25	20

From the results given in the above Tables, maps have been constructed showing by depth of colour the Rainfall over the Island for each month of the year and for the year itself. The Jamaica Institute are publishing these maps in a form convenient for use or reference; and for particulars respecting the distribution of the Rainfall we must refer our readers to these maps.

The maps confirm the original Rainfall Divisions in a general way, and allow us to correct their boundaries.

To begin with the central part of the Island, it will be found that the four divisions do not meet in a point, but that they have a large neutral area where the characteristics of the Rainfall are compounded of those of the four divisions. This area we shall call the Central Sub-Division, and we shall attach it to the Northern Division in order to maintain, approximately, equal areas for the four divisions.

The boundary of the North-Eastern Division commences at the Blowing Point between Port Maria and Annotto Bay; it passes a little north of New Ramble and Lillyfield; at Lillyfield it curves south and east, passing a little south of Albion and Stony Hill, a little north of Cherry Garden and Halberstadt, and continues its curved course to the sea again at Holland Bay.

The boundary of the West Central Division commences at Davis' Cove near Green Island and proceeding easterly it passes a little north of Great Valley and Cacoon Castle, a little south of Eden, a little north of Kempshot, Salter's Hill, Spring Vale, and Windsor Pen; two or three miles south of Cave Valley, and a little north of Pennants: here the boundary seems to curve south and west: and passing midway between Pennants and Chapelton, Whitney and Springfield, it passes south of Farm Plantation, north of Stone's Hope, north of Pepper, south of Gilnock Hall, north of Santa Cruz, between Bloomsbury and Mount Charles, north of Sweet River and Windsor (Sav.-la-Mar), south of Fontabelle, until it reaches the coast again at South Negril Point.

If on the boundary of the North Eastern Division between Stony Hill and Cherry Garden we draw a line south of the Headworks to the boundary of the West Central Division south of Chapelton, this line will be the southern boundary of the Central Sub-division. Its northern boundary may be drawn parallel to the southern, commencing a few miles south of Albion in St. Ann.

The Northern Division thus comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island; the Southern Division comprises the southern shores from Holland Bay to South Negril: and the relative areas of the Divisions are as follows:--

North Eastern Division		...	25
Northern	"	...	22
West Central	"	...	26
Southern	"	...	27
			100

In the preceding Tables giving the average Rainfall at 153 stations, the stations have been arranged according to the boundaries of the Divisions as revised above, and it is proposed to use this arrangement for the future until further correction becomes necessary.

MAXWELL HAIL.

Jamaica, July, 1891.