OBSERVATIONS AT HONOLULU, REPUBLIC OF HAWAII.

Through the kind cooperation of Mr. Curtis J. Lyons, Meteorologist to the Government Survey, a copy of the daily record at Honolulu is communicated to the Weather Bureau in advance of its official publication, and is herewith printed, as a special contribution, for the convenience of those who are studying the relations of the storms and weather of the United States to those of adjacent countries, with a view to long-range, seasonal predictions.

Meteorological observations at Honolulu, Republic of Hawaii.

The station is at 21° 18′ N., 157° 50′ W.; altitude 50 feet.
Pressure is corrected for temperature and reduced to sea level, but the gravity correction, —0.06, is still to be applied.
The average direction and force of the wind and the average cloudiness for the whole day are given unless they have varied more than usual, in which case the extremes are given. The scale of wind force is 0 to 10. Two directions of wind, or values of wind force, connected by a dash, indicate change from one to the other.
The rainfall for twenty-four hours is given as measured at 6 a. m. on the respective dates.

APRIL, 1898.

April, 1898.	Pressure at sea level.			Temperature.					Relative humidity.			Wind.		Cloudiness.	Rain measured at 6 a. m.
	7 a. m.	3 p. m.	9 p. m.	6 a. m.	2 p. m.	9 p. m.	Maximum.	Minimum.	7 a. m.	2 p. m.	9 p. m.	Direction.	Force.		
1	30.17	30.08	30.15	67	73	69	74	63	71	57	72	ne.	5	3-5	0.04
2	30.12	30.04	30.09	68	73	70	76	67	68	61	68	ne.	4	3-7	0.04
3	30.08	30.03	30.10	69	73	70	75	65	64	61	72	ne.	4	4	0.23
4	30.13	30.08	30.15	69	74	70	75	68	68	58	70	ne.	3-5	3-5	0.02
5	30.16	30.11	30.22	68	73	68	75	66	72	59	77	ene.	4	4-7	0.03
6	30.20	30.14	30.20	68	74	70	75	66	72	58	64	ne.	3	3-1	0.06
7	30.13	30.06	30.14	66	74	67	76	62	71	66	85	nne.	3-2	3-8	0.00
8	30.07	30.02	30.11	67	72	69	76	65	72	62	76	ne.	3-1	3-8	0.20
9	30.09	30.04	30.13	67	75	71	76	65	83	63	72	ne.	3	5-3	0.16
10	30.12	30.07	30.19	68	76	71	79	64	72	63	70	ne.	3	3	0.10
11	30.16	30.15	30.20	67	75	71	78	65	77	68	72	ne.	4	3-8	0.00
12	30.20	30.15	30.24	66	69	67	71	65	95	81	92	nne.	3-5	8	0.34
13	30.18	30.12	30.20	67	74	71	76	64	81	66	72	ne.	3	6-2	0.80
14	30.15	30.06	30.14	67	75	70	76	66	81	66	72	ne.	3-5	6-3	0.09
15	30.12	30.08	30.16	69	75	72	77	68	77	68	72	ne.	3	4-2	0.01
16	30.12	30.08	30.16	70	76	71	79	68	71	66	77	ne.	3	2-5	0.01
17	30.13	30.07	30.15	69	77	72	79	64	77	59	73	ne.	3	4-2	0.00
18	30.11	30.06	30.11	68	76	71	78	67	72	59	72	ne.	3	3	0.00
19	30.12	30.05	30.15	68	76	72	77	67	72	61	69	ne.	4	4	0.05
20	30.12	30.07	30.13	70	76	71	77	67	69	55	75	ne.	4	5-1-3	0.07
21	30.10	29.98	30.07	68	77	67	78	66	85	59	80	ne-w.	2-0	3-1	0.13
22	30.05	30.02	30.09	64	77	70	78	62	80	65	83	w.	1	0-3	0.01
23	30.08	30.01	30.10	64	77	71	79	63	85	67	85	sw-e.	1	1	0.01
24	30.10	30.02	30.12	66	78	70	80	64	82	63	81	sw-e.	1	1-5	0.00
25	30.08	30.00	30.09	66	79	73	80	64	77	55	75	nne.	1-3	2	0.02
26	30.07	30.00	30.07	71	80	73	81	70	74	55	74	ne.	1-3	2	0.00
27	30.04	29.97	30.05	69	80	70	81	65	78	57	80	nne.	0-3-0	5-1	0.00
28	30.03	29.96	30.04	63	79	71	80	63	73	60	83	se-s-sw.	1	2	0.00
29	30.04	29.99	30.04	66	79	73	82	65	80	68	80	sw-n.	1	2-7	0.00
30	30.02	29.95	30.04	70	78	71	79	66	78	63	77	nne.	3-0	4-2	0.00
	30.11	30.05	30.13	67.5	75.7	70.4	77.4	65.3	75.9	65.6	75.7	.....	2.6	3.9	2.42

METEOROLOGICAL OBSERVATIONS AT PORT AU PRINCE, HAITI.

Through the kind cooperation of Prof. T. Scherer of Port au Prince, Haiti, the meteorological observations taken by him at 7 a. m., local time, or 11:49 a. m., Greenwich time, are communicated in manuscript for early publication in the MONTHLY WEATHER REVIEW. By entering these on the monthly and annual charts, published by the Weather Bureau, we obtain an important extension southeastward of our field of study. The observations are taken $1^h\ 11^m$ earlier than those of the Weather Bureau telegraph system. The original reports are in metric measures; the conversions are by the Editor.

The barometer is 119 feet above sea level; its readings have been corrected by Professor Scherer for temperature, elevation, and gravity, this latter correction is —0.064 inch; the thermometers are 6.7 feet above ground; the rain gauge, 7.2 feet above ground. The wind velocity is given in miles per hour.

The position of Port au Prince, Haiti, is latitude 18° 34′ N., longitude 72° 21′ W., or $4^h\ 49^m$ west of Greenwich. Additional records for this station are published in the annual volume of the Central Meteorological Institute at Vienna.

Observations at Port au Prince, Haiti.

APRIL, 1898.

Date.	Barometer reduced.	Temperature. Air.	Temperature. Dew-point.	Rel. humidity.	Wind. Direction.	Wind. Velocity.	Clouds. Kind.	Clouds. Amount.	Clouds. Direction.	Preceding 24 hours. Total rain.	Preceding 24 hours. Temperature. Max.	Preceding 24 hours. Temperature. Min.
	Inches	°	°	%						Inch.	°	°
1	30.08	73.0	60.3	66	se.	4	cs	4	sw.	0.00	90.3	68.4
2	30.08	75.4	59.4	60	e.	11	k	6	ne.	0.00	91.0	70.2
3	30.04	75.2	65.8	74	.....	0	k	4	ese.	0.00	88.5	71.6
4	30.06	75.6	63.9	67	.....	0	.....	0	.....	0.00	93.2	71.4
5	30.10	76.3	62.2	64	e.	9	.....	0	.....	0.00	92.7	70.0
6	30.14	76.1	55.9	51	ese.	7	cs	1	.....	0.00	94.6	70.3
7	30.09	74.8	54.5	51	.....	0	cs; k	3	.....	0.00	89.2	69.3
8	30.03	75.2	68.9	82	.....	0	k	7	w.	0.02	89.6	71.2
9	30.09	76.8	65.8	70	ese.	2	k	3	.....	0.05	91.0	71.8
10	30.12	76.6	63.3	65	ese.	2	.....	0	.....	0.00	90.0	70.7
11	30.12	75.6	67.8	77	.....	0	cs k	 1	wsw. w.	0.00	90.9	70.9
12	30.10	76.5	63.3	65	.....	0	k	5	ne.	0.99	88.9	71.4
13	29.99	75.0	69.4	84	ese.	4	.....	0	.....	0.00	90.3	70.5
14	29.99	77.2	69.4	78	ese.	2	k	6	e, nw.	0.02	91.0	72.7
15	30.02	76.6	63.9	66	e.	9	cs	1	.....	0.00	92.1	72.1
16	30.06	75.0	66.7	77	.....	0	.....	0	.....	0.00	90.5	69.6
17	30.10	75.9	72.9	90	.....	0	n	10	.....	0.18	87.4	72.5
18	30.08	73.9	58.6	61	.....	0	.....	0	.....	0.06	90.0	69.6
19	30.06	77.2	70.2	80	ese.	2	fk	9	nw.	0.00	92.5	72.1
20	30.04	77.2	64.2	66	.....	0	cs	1	.....	0.05	90.1	69.6
21	30.06	78.4	70.7	74	.....	0	k	2	ne.	0.00	89.4	73.2
22	30.08	78.4	61.7	59	se.	4	k	2	e.	0.00	92.5	72.7
23	30.04	79.2	66.7	67	ese.	9	k	1	n.	0.00	95.2	75.0
24	30.02	79.3	63.7	60	ese.	11	.....	0	.....	0.02	94.1	72.3
25	30.08	78.4	63.5	58	e.	9	k	3	n.	0.28	92.8	72.3
26	30.13	77.2	70.0	79	.....	0	k	3	.....	0.65	87.6	71.8
27	30.06	72.1	68.2	88	.....	0	n	10	.....	0.00	86.9	68.9
28	29.95	77.2	69.6	79	ese.	4	k	1	.....	0.00	88.7	71.8
29	30.00	77.9	66.6	70	se.	7	cs; k	1	ne.	0.00	93.0	70.3
30	30.05	78.6	68.2	72	.....	0	sk	1	.....	0.93	91.0	74.1
Sum	.....	.....	.....	.....	.....	..	.....	...	.....	3.23	.....	.....
Means	30.06	76.5	65.1	69.8	.....	....	.....	....	.....	.....	90.9	71.2

fk = fracto cumulus. n = nimbus.

MEXICAN CLIMATOLOGICAL DATA.

Through the kind cooperation of Señor Mariano Bárcena, Director, and Señor José Zendejas, vice-director, of the Central Meteorologico-Magnetic Observatory, the monthly summaries of Mexican data are now communicated in manuscript, in advance of their publication in the *Boletin Mensual;* an abstract translated into English measures is here given in continuation of the similar tables published in the MONTHLY WEATHER REVIEW during 1896. The barometric means have not been reduced to standard gravity, but this correction will be given at some future date when the pressures are published on our Chart IV.

Mexican data for April, 1898.

Stations.	Altitude.	Mean barometer.	Temperature. Max.	Temperature. Min.	Temperature. Mean.	Relative humidity.	Precipitation.	Prevailing direction. Wind.	Prevailing direction. Cloud.
	Feet.	Inch.	° F.	° F.	° F.	%	Inch.		
Leon (Guanajunto)	1,809	24.30	88.5	47.5	68.4	56	0.46	ssw.	†
Linares (New Leon)	1,188	28.76	98.6	52.7	77.7	69	2.44	se.	se.
Magdalena (Sonora)	2,618	.....	.....	.....	78.8	.....	1.10	s.	n.
Mazatlan	25	29.94	82.6	61.0	72.9	79	0.06	nw.	sw.
Merida (Yucatan)	50	29.94	99.0	61.2	79.9	64	1.56	ne.	se.
Mexico (Obs. Cent.)	7,472	23.08	88.7	39.2	62.4	55	2.06	nw.	sw.
Morelia (Seminario)	6,401	23.97	85.5	51.4	67.6	52	T.	wsw.	w.
Oaxaca	5,164	25.08	93.2	50.4	71.8	55	3.03	*	e.
Puebla (Col. Cat.)	7,112	23.36	82.4	40.1	64.4	62	1.03	e.	s.
San Luis Potosi	6,202	24.13	85.8	42.8	67.2	53	0.93	se.	w.
Tuxpan (Vera Cruz)	.....	.....	93.6	61.2	76.1	88	2.00	ne.	s.
Tuxtla G. (Chiapas)	1,864	28.13	100.8	61.5	80.8	62	0.11	nnw.	s.
Zacatecas	8,015	22.50	83.8	39.9	62.4	40	0.71	nnw.	w.
Zapotlan (Seminario)	5,078	.....	91.0	50.0	73.8	39	0.01	sse.	sw.

* w., nnw., nw, † wsw., nne.