Form No. 1030–Met'l W.B.O., San Francisco, 4-8-43—400

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

MONTHLY METEOROLOGICAL SUMMARY

Station, SAN FRANCISCO, CALIF. *120th Meridian Time* *Month,* **March, 1943**

Date	Temperature (°F.) Thermometers over roof, 112 feet above ground: Extremes Max.	Extremes Min.	Mean	Departure from normal	Dry bulb *4:30 a. m.	Dry bulb Local noon	Dry bulb *4:30 p. m.	Moisture: Relative humidity per cent *4:30 a. m.	Relative humidity Local noon	Relative humidity *4:30 p. m.	Vapor pressure, local noon	Precipitation, inches. Total 4:30 a. m. to 4:30 p. m.	Total Mid. to Mid.	Snowfall, un-melted 4:30 p. m. to 4:30 p. m.	Snowfall Depth on ground 4:30 p. m.	Wind Max. velocity, miles per hour	Direction of max. velocity	†Per cent of sunshine	Degree Days
1	66	48	57	+ 3	42.8	62.6	69.4	94	55	46	.312	0	0	0	0	10	w.	96	8
2	64	50	57	+ 3	44.4	58.0	61.2	96	67	68	.324	0	0	0	0	11	e.	77	8
3	58	55	56	+ 2	55.0	57.2	55.9	89	87	95	.405	.22	.34	0	0	13	n.	7	9
4	64	55	60	+ 6	54.8	61.9	60.0	93	65	82	.362	.01	.01	0	0	13	sw.	57	5
5	58	54	56	+ 2	55.4	58.0	56.6	97	85	91	.405	.04	.38	0	0	16	w.	45	9
6	60	54	57	+ 3	54.9	59.5	59.2	89	75	72	.376	.02	.03	0	0	15	sw.	54	8
s7	63	53	58	+ 4	52.3	61.2	61.2	90	62	75	.336	T.	.02	0	0	9	sw.	60	7
8	60	57	58	+ 4	59.8	59.9	59.8	88	93	90	.486	.01	.27	0	0	16	sw.	7	7
9	66	56	61	+ 7	59.0	62.2	65.0	92	84	75	.486	0	.31	0	0	16	sw.	46	4
10	61	54	58	+ 4	55.0	58.9	58.0	96	80	78	.405	0	.37	0	0	14	w.	42	7
11	62	52	57	+ 3	54.3	58.0	59.1	86	73	72	.362	0	0	0	0	15	w.	62	8
12	58	52	55	+ 1	50.1	56.2	55.5	91	76	79	.349	0	0	0	0	17	sw.	59	10
13	55	52	54	0	52.9	54.4	54.1	82	82	83	.349	0	.14	0	0	15	w.	19	11
s14	55	48	52	− 2	53.8	53.1	52.1	94	55	54	.229	0	.24	0	0	26	w.	89	13
15	56	45	50	− 4	44.1	53.0	56.6	75	42	73	.172	0	0	0	0	13	w.	100	15
16	61	48	54	0	45.1	60.0	56.1	84	31	55	.157	0	0	0	0	12	w.	68	11
17	52	46	49	− 5	49.8	49.4	52.8	90	94	81	.336	.60	.68	0	0	15	n.	20	16
18	60	46	53	− 1	45.1	56.0	54.8	84	35	61	.157	0	0	0	0	17	w.	100	12
19	60	47	54	0	47.2	56.5	55.8	85	61	59	.278	0	0	0	0	16	w.	89	11
20	65	47	56	+ 2	41.1	60.7	60.7	97	32	64	.172	0	0	0	0	14	w.	79	9
s21	56	51	54	0	49.6	54.1	53.5	89	69	78	.289	0	0	0	0	11	sw.	82	11
22	59	50	54	0	47.8	58.3	55.7	96	60	66	.300	0	0	0	0	21	w.	93	11
23	59	50	54	0	49.6	57.7	56.8	88	70	78	.336	0	0	0	0	22	w.	90	11
24	61	50	56	+ 2	50.0	58.8	56.3	92	66	79	.324	0	0	0	0	16	w.	75	9
25	70	50	60	+ 6	46.5	65.0	59.8	98	65	77	.405	0	0	0	0	17	w.	76	5
26	62	53	58	+ 4	52.9	59.4	58.4	89	83	77	.420	T.	T.	0	0	17	w.	81	7
27	60	52	56	+ 1	52.0	58.0	57.0	92	77	76	.376	0	0	0	0	20	w.	100	9
s28	62	52	57	+ 2	53.0	60.8	57.9	90	66	79	.349	0	0	0	0	14	w.	65	8
29	58	50	54	− 1	55.0	56.3	56.7	89	70	62	.324	.39	.39	0	0	24	w.	58	11
30	58	48	53	− 2	43.2	56.1	55.6	79	50	56	.229	0	0	0	0	18	w.	100	12
31	64	50	57	+ 2	45.5	60.8	58.7	91	50	70	.268	0	0	0	0	18	w.	100	8
Mean	60.4	50.8	55.6		50.4	58.1	57.8	90	66	73	.325	§1.29	§3.18	§0	§0			72	§290
Normal	60.1	48.2	54.2						66				3.14					64	314

Atmospheric Pressure, (in inches)
(Reduced to sea-level)

*Mean 29.91
Highest ..... 30.31; date, 15
Lowest ..... 29.68; date, 3

Temperature

Highest ..... 70; date, 25
Lowest ..... 45; date, 15
Greatest daily range ..... 20; date, 25
Total degree days 290
Accumulated excess (+) or deficiency (−) since January 1, +177
Average daily excess (+) or deficiency (−) since January 1, +2.0

Precipitation

Greatest this month in 5 minutes, .17, date, 10; in 10 minutes, .21, date, 10; in 15 minutes, .22, date, 10; in 30 minutes, .23, date, 10; in 1 hour, .24, date, 29; in 2 hours, .28, date, 29; in 24 hours, 0.68, date, 17.

Precipitation—Continued

Excess (+) or deficiency (−) this month as compared with normal, +0.04
Seasonal precipitation, since July 1, 19.74
Accumulated excess (+) or deficiency (−) since July 1, +0.31
Annual precipitation, since January 1, 11.28
Accumulated excess (+) or deficiency (−) since January 1, −0.25
Greatest snowfall in 24 hours, 0.

Weather
(Number of days)

Clear (scale 0 to 3) 7
Partly cloudy (scale 4 to 7) 11
Cloudy (scale 8 to 10) 13
With 0.01 inch or more precipitation 12
With 0.25 inch or more precipitation 7
Total sunshine, hours 246.6

‡Wind

Total movement (miles) 5,594
Average hourly velocity (miles) 7.5
Maximum velocity (miles) ..... 26 on 14th
Prevailing direction ..... west

Miscellaneous Phenomena
(Dates of)

Frosts: Light 0
Heavy 0
Killing 0
Auroras 0
Halos: Solar ..... 23, 30 Lunar 20
Hail ..... 0 Sleet 0
Heavy Fog 0
Thunderstorms 0

"T", Trace, amount too small to measure. ‡All wind data are true values. §Sum. ‖Also other dates. s Opposite date indicates Sunday.
†Number hours possible sunshine: 1st, 11.4; 16th, 12.0; 31st, 12.6; for this month, 371.2. *Data from S. F. Airport

E. H. BOWIE (OVER)

Precipitation, March, 1943

Date	Hourly Amounts																								Total
	A. M.												P. M.												
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									0
2																									0
3						.01	.01	T.			.02	.03	.05	.02	.03	.02	.07	.05	.01					.02	0.34
4									T.						.01										0.01
5	.01	.04				T.	.01		.02	.01							.07	.04	.03	.15					0.38
6				.01	T.					.02															0.03
7			T.	T.	.01						T.	T.									T.	.01			0.02
8		.05	.04	.01					T.			T.	T.		T.	.01	.01	T.	T.	T.	T.	.06	.06	.03	0.27
9	.01	.01	.03														T.	.05	.04				.06	.11	0.31
10	.02	.01	.01					T.	T.	.09	.01	.23													0.37
11																									0
12																									0
13							T.	T.	T.	T.	T.	.01	T.	T.		.01	.07	.05	T.					T.	0.14
14	.11	.04	.02	.01	.02	.04																			0.24
15																									0
16																									0
17			.01	.05	.07	.06	.06	.06	.07	.06	.11	.10	.02	.01											0.68
18																									0
19																									0
20																									0
21																									0
22																									0
23																									0
24																									0
25																									0
26										T.															T.
27																									0
28																									0
29							T.	.22	.06	.09	.02							T.							0.39
30																									0
31																									0
Total	0.15	0.15	0.11	0.08	0.10	0.11	0.08	0.28	0.15	0.27	0.16	0.37	0.07	0.03	0.04	0.04	0.22	0.19	0.08	0.15	T.	0.07	0.12	0.16	3.18

COMPARATIVE DATA FOR THIS MONTH FROM THE RECORDS OF PREVIOUS YEARS

Station, **San Francisco, Calif.** *Month,* **March**

	Temperature			Precipitation			Temperature			Precipitation			Temperature			Precipitation			Temperature			Precipitation	
	Mean	Highest	Lowest	Total	Greatest in 24 Hours		Mean	Highest	Lowest	Total	Greatest in 24 Hours		Mean	Highest	Lowest	Total	Greatest in 24 Hours		Mean	Highest	Lowest	Total	Greatest in 24 Hours
1871	51.3	74	45	1.31	0.57	1890	53.8	70	41	4.73	1.86	1909	51.8	67	41	3.27	1.16	1928	58.2	77	47	4.65	2.01
1872	54.3	64	48	1.59	0.73	1891	55.0	76	43	1.96	0.68	1910	54.9	77	44	3.78	1.17	1929	54.2	81	43	1.56	0.82
1873	54.5	73	45	0.79	0.54	1892	54.2	80	42	2.85	0.90	1911	49.2	79	42	4.57	1.98	1930	57.4	82	44	3.53	1.68
1874	50.9	62	42	3.36	0.65	1893	51.2	78	40	4.03	0.98	1912	52.4	67	43	4.10	2.09	1931	59.0	76	48	1.68	0.96
1875	51.8	67	42	1.30	0.45	1894	50.6	66	37	0.60	0.34	1913	52.6	77	40	1.47	0.67	1932	57.1	77	45	0.86	0.62
1876	53.2	70	41	5.49	1.59	1895	52.2	70	40	1.89	0.67	1914	58.4	86	43	1.09	0.98	1933	55.4	73	44	2.93	0.90
1877	57.2	73	47	1.08	0.56	1896	54.3	72	33	2.85	0.84	1915	57.9	81	46	3.02	1.91	1934	60.6	81	49	0.07	0.07
1878	55.9	66	46	4.56	1.01	1897	48.9	63	39	4.56	1.42	1916	56.6	77	44	1.33	0.65	1935	52.6	76	41	2.31	0.86
1879	57.2	77	47	8.75	3.31	1898	51.2	74	40	0.24	0.13	1917	51.7	72	41	1.42	0.68	1936	57.4	77	42	1.01	0.74
1880	49.4	66	39	2.03	0.57	1899	52.2	74	42	7.61	2.15	1918	54.9	78	40	2.73	0.75	1937	54.8	76	44	7.05	1.92
1881	54.4	76	40	0.90	0.69	1900	55.2	71	43	1.91	0.90	1919	52.6	67	40	2.74	1.12	1938	52.8	70	43	5.73	0.96
1882	53.4	73	41	3.45	0.86	1901	55.8	78	44	0.80	0.67	1920	52.6	69	41	3.25	0.95	1939	52.8	79	41	2.62	1.86
1883	54.0	74	44	3.01	1.63	1902	51.6	63	41	2.65	0.80	1921	54.6	73	45	2.28	0.74	1940	57.4	72	47	5.32	3.65
1884	54.5	68	45	8.24	2.21	1903	52.2	64	41	6.23	1.30	1922	52.4	69	35	2.38	0.88	1941	58.4	75	48	4.75	2.22
1885	57.7	76	50	1.01	0.55	1904	51.8	66	40	6.01	1.32	1923	56.8	84	44	0.03	0.02	1942	55.2	73	33	2.62	1.21
1886	53.6	73	41	2.07	0.65	1905	57.0	79	43	3.15	1.21	1924	54.5	72	43	1.96	1.19	1943	55.6	70	45	3.18	0.68
1887	55.8	78	45	0.84	0.52	1906	54.0	74	41	5.02	1.37	1925	55.4	79	43	2.63	1.77						
1888	53.4	74	38	3.60	1.34	1907	51.0	69	38	8.42	1.82	1926	60.6	83	49	0.25	0.23						
1889	57.2	79	47	7.78	3.08	1908	54.8	76	40	0.90	0.41	1927	54.2	76	44	2.19	0.58						

Temperature (1871-1943)

Highest this month.....86; date, 18, 1914
Lowest this month .....33; date, 3, 1896

Precipitation (1906-1943)

Greatest fall this month in—

5 minutes.....0.25; date, 5, 1912
10 minutes.....0.28; date, 5, 1912
15 minutes.....0.59; date, 5, 1912
30 minutes.....0.83; date, 5, 1912
1 hour, ...1.07; date, 5, 1912
2 hours.....1.24; date, 5, 1912
24 hours (1871-1943) .....3.65; date, 29-30, 1940

†Also other years

Precipitation—Continued

Greatest snowfall in 24 hours this month since 1871: amount, 1.0; 3rd, 1896.

Greatest total snowfall this month since 1871, 3.7; 1887

Wind* (1890-1942)

Average hourly velocity (miles).....8.6
Prevailing direction.....west

*Wind velocities have been corrected to true values.

Weather (1885-1942)

Average number days this month—

Clear.....12
Partly cloudy.....10
Cloudy 9

Weather (1871-1942)

Average number days this month—

With 0.01 inch or more of precipitation.....10
With 0.25 inch or more of precipitation..... 4
Greatest number of days this month with 0.01 inch or more of precipitation, 23; year, 1904.

Frost (1897-1942)

Average date last killing frost in spring...Jan. 10
Latest date last killing frost in spring.....Mar. 27
Average date first killing frost in autumn. Dec. 28
Earliest date first killing frost in autumn..Dec. 4