

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

J. R. WEEKS

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GENERAL SUMMARY

This month was mild and rather windy. Monthly precipitation was well above normal over the greater portion of the Eastern Shore and somewhat above normal over the southern portion of southern Maryland and in northwestern Garrett County, but was mostly somewhat below normal over the greater portion of the remainder of the section. Monthly snowfall was very light and averaged the least in March since 1927. Monthly sunshine was normal. The 7-10th was a period of clear sky; the 27th-31st a period of cloudiness.

Snow flurries occurred on the 2d over the extreme southern Eastern Shore, on the 7th and 16th in the Allegheny Mountain region, and on the 17th in western Maryland. Light snow fell on the 11th and 22d in the northern counties from New Castle to Frederick and snow flurries occurred southward and westward thereof. Light snow fell on the 13th in the Allegheny Mountain region and in eastern Washington, Frederick, and Carroll Counties and snow flurries occurred over the remainder of the northern portion of the section. Light snow fell on the 18th in the Allegheny Mountain region and snow flurries occurred over the remainder of the section.

Grains were nicely green, were growing, and were good to excellent, except some damage resulted from heaving in the Allegheny Mountain region. Pastures and grasses improved in color and were fair to good. In the eastern and central divisions plum and apricot trees were blooming during the second and third decades and some peas and some early potatoes were planted and some oats were sown during the third decade. Peach and pear trees were blooming during the third decade in the southern portion of the section. Stripping tobacco, pruning orchards, and making hot beds were in progress.—J. B., jr.

TEMPERATURE

The monthly mean for the section, 44.0°, is 1.6° above normal. The highest monthly mean was 47.8° at Solomons; the lowest, 36.0°, at Mt. Savage Summit. The highest temperature, 90°, occurred at College Park on the 25th; the lowest, -5°, at Grantsville on the 19th. The greatest local monthly range was 79° at Grantsville and Oakland; the least, 49°, at Delaware Breakwater. The greatest daily range was 55° at Bell on the 24th.

PRECIPITATION

The monthly average for the section, 3.93 inches, is 0.36 inch above normal. The greatest monthly amount was 6.91 inches at Millsboro; the least, 1.61 inches, at Keedysville. The greatest 24-hour rainfall was 3.00 inches at Snow Hill on the 30th. The monthly average snowfall for the section, 0.9 inch, is 3.8 inches below normal. The greatest 24-hour snowfall was 3.1 inches at Fallston on the 22d. The average number of days with 0.01 inch or more of precipitation, 11, is 1 above normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light: 4 to 6, 11 to 16, 22, 24, 26 to 31.
dense: 4, 5, 11 to 13, 26 to 31.
Glaze, light: Northern and central counties, 11.
heavy: Allegheny Mountain region, 12; at Grantsville icicles 6 inches long were close together on wires, much damage to wires and trees. Rainbow: Baltimore and Dundalk, 25.
Halos, lunar: 1, 3, 4, 7, 8. Halos, solar: 3, 19, 29.
Thunderstorms: 5, 6, 12, 25, 27, 30. Winds, high: 1, 6, 7, 9, 13, 16, 17, 20, 25 (thundergust), 27.

PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAYS

Stations	Atmospheric pressure reduced to sea level				Wind			Mean relative humidity			Percentage of sunshine	Heating degree days (base 65°)
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	Local n'n		
Aberdeen, Md*.....	30.68	8	29.49	30	10.5	38	nw.	9	76	65	65	714
Annapolis, Md.....	30.62	19	29.45	13	9.5	35	6	68	56	62	641
Baltimore, Md.....	30.64	19	29.48	13	11.3	35	sw.	6	66	50	54	623
Elkins, W. Va.....	30.61	12	29.36	12	8.3	28	w.	7	77	45	54	677
Harrisburg, Pa*.....	30.63	8	29.50	13	10.8	32	nw.	6	74	54	69	752
Norfolk, Va.....	30.61	19	29.38	12	13.5	38	sw.	25	70	58	62	724
Philadelphia, Pa*.....	30.59	8	29.47	13	13.1	45	sw.	1	72	56	56	719
Pittsburgh, Pa*.....	30.59	8	29.41	12	13.1	45	sw.	1	72	56	56	719
Washington, D. C.....	30.64	19	29.46	12	8.0	34	nw.	13	68	49	50	589

* Observations taken at airport station.

COMPARATIVE DATA FOR MARCH

Year	FOR MARYLAND					FOR DELAWARE				
	Temperature			Precipitation		Temperature			Precipitation	
	Mean	Highest	Lowest	Average	Average snowfall with .01 in. or more	Mean	Highest	Lowest	Average	Average snowfall with .01 in. or more
1895.....	39.8	74	-7	2.94	3.5	40.9	69	19	3.61	1.2
1896.....	36.4	72	-13	4.26	14.6	38.2	74	12	4.74	3.8
1897.....	44.4	82	12	2.93	0.7	44.5	80	20	2.72	T.
1898.....	47.5	84	7	4.79	3.0	48.2	78	22	2.67	T.
1899.....	40.9	81	-9	3.23	13.2	42.0	72	16	5.82	3.4
1900.....	37.3	77	-9	3.50	1.9	42.7	69	6	3.72	6.0
1901.....	42.8	81	-9	3.92	10.5	46.2	75	16	3.74	3.5
1902.....	49.2	85	15	5.12	0.2	49.9	79	23	6.10	0.0
1903.....	44.5	80	3	2.99	2.0	41.2	74	17	3.42	1.4
1904.....	45.4	87	-15	3.16	2.2	44.4	83	11	3.12	0.6
1905.....	45.4	88	-8	4.83	11.3	38.5	63	14	6.11	4.3
1906.....	46.1	93	-2	3.30	6.5	46.1	88	16	2.99	4.8
1907.....	45.7	85	11	3.16	0.6	47.6	83	22	1.74	0.8
1908.....	40.2	80	9	3.69	7.6	41.8	75	17	3.82	2.5
1909.....	49.0	89	14	1.11	2.1	49.3	86	22	2.58	3.0
1910.....	39.8	77	-5	2.56	9.3	40.6	74	6	3.10	7.0
1911.....	39.5	78	7	6.69	7.7	41.1	72	16	7.16	7.9
1912.....	47.2	83	-6	4.56	0.7	49.1	80	13	3.86	T.
1913.....	37.8	80	-14	2.40	15.4	38.6	75	4	3.02	18.5
1914.....	36.6	64	-3	1.14	4.4	38.8	62	19	1.26	1.7
1915.....	35.9	78	-3	3.88	4.5	35.9	69	8	3.51	5.8
1916.....	41.1	82	-5	5.34	10.2	41.7	76	17	6.26	0.9
1917.....	45.6	84	8	3.61	0.1	44.8	80	17	3.48	T.
1918.....	45.8	86	14	3.87	0.6	46.4	78	24	4.63	0.1
1919.....	43.2	85	-1	3.00	2.7	43.6	75	11	3.86	1.7
1920.....	58.6	91	14	4.38	T.	54.6	88	23	2.51	0.5
1921.....	43.2	80	11	4.70	2.2	45.0	76	19	4.48	0.2
1922.....	44.2	82	-6	4.23	5.8	44.0	80	13	5.60	4.5
1923.....	40.7	77	11	4.98	12.2	41.7	76	22	5.34	1.7
1924.....	44.8	82	-3	2.25	0.4	46.6	79	9	2.28	T.
1925.....	38.0	80	-8	2.21	2.1	39.3	80	10	3.20	0.5
1926.....	45.4	84	10	1.72	0.1	45.6	82	18	1.92	T.
1927.....	41.7	83	7	2.97	7.0	42.2	82	14	2.81	0.6
1928.....	48.0	86	4	3.14	1.3	49.7	81	11	3.39	T.
1929.....	42.2	77	4	2.16	1.6	43.7	76	18	2.00	T.
1930.....	39.1	65	14	4.28	7.4	40.6	64	25	5.24	7.4
1931.....	38.2	75	-4	5.70	5.7	40.1	70	12	6.46	1.8
1932.....	40.1	79	0	4.40	3.2	41.8	80	16	3.15	1.2
1933.....	38.7	78	-10	4.35	11.7	41.0	75	6	5.26	13.4
1934.....	47.6	86	10	2.99	1.8	47.9	77	19	3.25	0.4
1935.....	47.0	83	15	5.87	3.0	48.9	76	20	5.60	T.
1936.....	39.4	74	1	1.96	9.7	39.8	69	15	2.56	3.5
1937.....	46.9	88	6	2.74	3.8	46.9	82	8	2.60	3.2
1938.....	43.9	90	-5	3.74	0.8	44.4	84	17	5.10	1.3
1939.....	42.3	93	-15	3.54	5.0	43.4	88	4	3.73	2.7

Climatological Data for March 1939

Table with columns: STATIONS, COUNTIES, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range), Precipitation (Total, Departure from normal, Greatest in 24 hours, Total snowfall, With precip. 0.01 in. or more), Number of days (Clear, Partly cloudy, Cloudy), Prevailing direction of wind, OBSERVERS.

The departures from normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Data in italics determined from surrounding stations. T. Precipitation is less than 0.01 inch rain or melted snow.
††Post addresses of these stations are as follows: of Bell, Glenndale; of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Odessa, Middletown; of Picardy, Paw Paw, W. Va.; of Pleasant Hill, Owings Mills; of Prettyboy Dam, Parkton; of Sines, Oakland. *Custom House, Gay and Water Sts. **Weather Bureau Building, 24th and M Sts. †Also on other dates. ‡2 miles northwest of Frostburg. §§Municipal Building. ¶¶Porter Reservoir.

ERRATA

January, 1939. - Page 2: Luke, total precipitation 3.32 should be 3.13; greatest precipitation in 24 hours 1.20 should be 1.15. Page 3: Luke, daily precipitation .30 on 13th should be .25, .20 on 16th should be .15, .10 on 18th should be .13, .20 on 21st should be .18, .10 on 25th should be .05, .40 on 27th should be .35; total 3.32 should be 3.13.

Daily Precipitation for March 1939

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows list various Maryland and Delaware locations with their respective precipitation amounts for each day.

Except as otherwise indicated, observations are generally made late in afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.
1. First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.
2. Precipitation is for 24-hour period, midnight to midnight.
3. Precipitation is for 24-hour period, 9:30 p.m. to 9:30 p.m.
4. Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours.
5. Precipitation is measured with recording gage.
6. Precipitation is included in the next measurement.
7. Trace, or precipitation is less than .01 inch.
8. Two miles northwest of Frostburg.
9. Municipal Building.
10. Porter Reservoir.

Daily Temperatures for March 1939

Table with columns for Stations, Day of month (1-31), and Mean. Rows list various Maryland and Delaware locations with their maximum and minimum temperatures for each day.

Daily Temperatures for March 1939-Continued

Table with columns for Stations, 1-31, and Mean. Rows list various Maryland locations such as Aberdeen, Annapolis, Baltimore, etc., with their respective daily temperature readings.

§§ Instruments are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Conowingo Dam, Dundalk, Sines, and Washington are from midnight to midnight; other stations, except Cheltenham and Cumberland, are for 24-hour period ending late in afternoon, near sunset, except 9:30 p.m. at Princess Anne. (WEO, Richmond, Va., 6-24-39-1,050)