

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
 IN COOPERATION WITH MARYLAND STATE WEATHER SERVICE

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

J. R. WEEKS

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GENERAL SUMMARY

This January was the mildest since 1939. Monthly precipitation averaged normal. Monthly snowfall averaged six-sevenths of normal. A high wind and heavy precipitation storm prevailed during the 3d-4th. The 9-14th and the third decade were sunny periods. Monthly sunshine was 5% above normal.

Fog was unusually frequent. The outstanding heavy fog prevailed from the evening of the 20th into the forenoon of the 21st; it produced a heavy rime frost deposit upon all lateral and vertical surfaces, making sidewalks, streets, and roads slippery, while zero visibility interfered with the progress of autos, electric cars, and trains and grounded air traffic.

Ice disappeared from the estuaries of Chesapeake Bay during the first week and from rivers, streams, creeks, and ponds generally during the third decade.

Monthly snowfall was 1 to 4 inches over the southern third of the section and 4 to 5 inches northward thereof, 5 to 6.5 inches in Frederick County, from 5 inches in the southeastern portion to 15 inches in the extreme west portion of Washington County, and 15 to 23 inches in Allegany and Garrett Counties.

Light snow fell in north-central Maryland and moderate snow in western Maryland, except very heavy snow, 9 to 12 inches, fell over the eastern slope of the Allegheny Mountains, on the 3d; light snow fell in western Maryland and at Dover on the 4th; snow flurries occurred in western Maryland, except light snow fell in the Grantsville—Mt. Savage Summit—Frostburg area, on the 6th; snow flurries occurred over the section, except light snow fell in the Allegheny Mountain region and in Somerset and Worcester Counties, on the 8th; light to moderate snow fell in the eastern and central divisions and moderate to heavy snow fell in western Maryland on the 15-16th; snow flurries occurred on the 29th and 30th and light snow fell on the 31st in the Allegheny Mountain region.

Grains and grasses were snow-covered generally from the 1st to the 27th in the Allegheny Mountain region; elsewhere over the section they were brown, except grains greened and were fair to good during the third decade.

Activities included butchering, cutting wood, tending livestock, hauling manure, spreading lime, pruning fruit trees, repairing, and making tobacco beds.—J. B., jr.

TEMPERATURE

The monthly mean for the section, 34.8°, is 1.6° above normal. The highest monthly mean was 39.3° at Crisfield; the lowest, 26.8°, at Mt. Savage Summit. The highest temperature, 75°, occurred at Cheltenham on the 28th; the lowest, 13° below zero, at Grantsville on the 9th. The greatest local monthly range was 72° at Grantsville; the least, 47°, at Crisfield.

PRECIPITATION

The monthly average for the section, 3.34 inches, is 0.01 inch below normal. The greatest monthly amount was 5.96 inches at Snow Hill; the least, 1.81 inches at Mt. Savage Summit. The greatest 24-hour rainfall was 3.73 inches at Baltimore on the 3d-4th. The average monthly snowfall for the section, 6.1 inches, is 1.0 inch below normal. The greatest 24-hour snowfall was 12.3 inches at Mt. Savage Summit on the 3d.

MISCELLANEOUS PHENOMENA (WITH DATES)

Clear Spring.—First dove, 22; first robin, 29. *Fogs, light.*—1 to 22, 25, 27 to 29, 31. *Fogs, dense.*—3 to 6; 9, 11, 16 to 22, 25, 27 to 29. *Frost, rime.*—Night 20-21. *Glaze, light.*—3, 15. *Halos, lunar.*—7, 8, 17. *Halos, solar.*—2, 11, 16, 17, 23, 24, 27, 28. *Rainbows.*—Baltimore and Millington, 4. *Steel, light.*—3, 4, 5, 15, 23, 30. *Thunderstorms.*—Oakland and Sines, 23. *Winds, high.*—3, 4, 6, 9, 12, 21, 23, 28 to 31.

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.	1:30 p. m.	7:30 p. m.		
	Aberdeen, Md.	30.54	17	29.60	3	88	68			80	.....	985
Annapolis, Md.	30.51	17	29.56	3	8.4	.....	.....	.....	80	71	.....	.....	897
Baltimore, Md.	30.56	17	29.63	3	9.3	36	ne.	.....	74	56	66	61	831
Elkins, W. Va.	30.64	13	29.66	3	5.3	27	w.	31	88	63	79	46	1011
Harrisburg, Pa.	30.53	17	29.69	29	7.7	31	nw.	29	76	57	66	48	1001
Norfolk, Va.	30.56	13	29.53	3	9.3	28	se.	3	87	65	77	54	723
Philadelphia, Pa.	30.57	17	29.64	4	10.0	37	e.	3	80	60	71	58	963
Pittsburgh, Pa.	30.59	13	29.72	15	10.2	34	w.	28	82	65	71	48	930
Washington, D. C.	30.56	13	29.58	3	6.7	31	nw.	31	74	58	62	56	855

COMPARATIVE DATA FOR JANUARY

Year	FOR MARYLAND						FOR DELAWARE					
	Temperature			Precipitation			Temperature			Precipitation		
	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 0.1 in. or more	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 0.1 in. or more
1895.....	29.5	66	-17	4.35	13.4	11	31.6	65	7	5.09	6.8	12
1896.....	32.0	66	-13	1.82	1.0	4	32.0	65	4	1.62	0.6	5
1897.....	29.1	66	-12	1.94	8.1	7	31.7	64	3	2.00	10.3	6
1898.....	35.3	72	-2	3.60	5.8	11	36.7	66	15	3.25	0.8	11
1899.....	31.9	70	-24	3.30	5.7	10	34.8	65	-1	3.65*	7.8	11
1900.....	33.6	69	-8	2.34	1.8	7	34.3	62	6	3.34	1.5	6
1901.....	32.5	68	-4	2.68	8.5	7	33.5	68	6	2.94	5.5	8
1902.....	29.8	59	-7	3.52	10.2	9	31.5	64	8	3.64	5.2	8
1903.....	31.4	62	-6	4.02	6.7	9	33.6	63	8	3.73	4.2	10
1904.....	25.7	64	-20	2.59	15.3	10	35.6	63	-10	2.95	8.1	10
1905.....	28.6	69	-14	3.66	17.0	11	29.5	63	-4	4.14	19.3	10
1906.....	38.7	75	-6	2.85	2.3	10	40.2	76	5	3.08	2.0	11
1907.....	35.6	76	-19	3.18	6.2	12	37.5	77	3	2.36	3.6	12
1908.....	32.6	63	-21	3.24	7.1	8	34.3	63	5	3.57	6.1	8
1909.....	34.9	69	-3	2.74	6.1	10	38.1	71	10	2.84	4.1	9
1910.....	31.9	69	-12	4.38	12.9	12	33.5	65	6	4.07	3.0	10
1911.....	36.7	76	-5	3.96	4.3	12	38.6	68	11	4.14	2.6	11
1912.....	23.7	60	-40	2.59	15.5	10	26.5	59	-4	3.48	15.9	11
1913.....	41.5	74	8	3.17	1.6	13	44.3	71	22	3.23	T	12
1914.....	35.9	76	-14	3.95	4.2	7	37.6	74	0	3.20	0.1	6
1915.....	33.7	66	-10	5.90	6.7	12	37.2	67	15	5.65	1.5	12
1916.....	37.9	74	-11	1.77	3.2	11	38.8	73	1	1.69	3.1	9
1917.....	33.3	66	0	3.07	4.4	11	34.0	64	9	3.02	1.5	9
1918.....	31.2	61	-30	4.24	24.0	10	22.9	58	-9	4.25	21.7	10
1919.....	36.0	66	-19	3.42	2.7	7	37.2	65	2	3.94	1.1	8
1920.....	27.8	64	-10	2.40	2.9	10	28.2	64	5	2.95	2.1	11
1921.....	35.5	70	-5	2.27	1.5	8	37.1	66	4	2.40	0.1	7
1922.....	30.1	63	-15	3.96	23.0	9	31.4	60	6	4.01	17.3	9
1923.....	34.7	68	0	4.12	6.5	12	35.9	67	13	4.64	2.2	10
1924.....	33.4	66	-10	4.07	1.8	7	35.6	67	1	3.93	T	7
1925.....	30.9	63	-31	4.59	19.3	12	33.5	62	-1	5.36	7.9	12
1926.....	32.2	72	-11	3.12	4.6	10	34.2	65	5	2.94	1.1	10
1927.....	32.5	73	-5	1.60	2.1	11	33.7	73	2	1.87	4.6	10
1928.....	34.2	69	-11	2.48	9.4	7	35.2	71	-11	2.87	12.6	8
1929.....	32.6	63	-13	2.68	3.3	10	34.7	67	6	2.68	0.9	9
1930.....	33.8	75	-17	2.67	11.6	11	36.4	75	4	3.46	8.2	12
1931.....	34.4	66	-8	1.64	1.5	5	36.0	65	12	2.07	0.3	5
1932.....	44.4	80	13	4.98	1.1	12	46.4	77	22	5.56	1.2	11
1933.....	40.8	70	4	3.11	1.5	9	42.3	68	14	3.81	T	8
1934.....	37.1	70	-6	2.52	0.5	9	38.4	66	3	2.26	T	9
1935.....	31.2	71	-23	4.67	20.4	11	33.4	70	-7	5.49	16.8	11
1936.....	27.8	62	-20	5.87	9.7	13	30.8	61	-5	7.23	2.3	13
1937.....	41.6	77	11	7.43	1.1	17	44.3	72	23	8.27	T	19
1938.....	33.5	67	-2	2.26	2.3	11	35.0	62	7	2.74	0.9	13
1939.....	35.0	69	-7	3.65	11.8	11	35.9	65	4	3.51	9.9	12
1940.....	22.3	59	-14	2.36	15.0	7	23.6	59	0	2.20	16.1	5
1941.....	32.0	62	-10	3.04	6.1	11	33.3	69	7	3.56	3.3	11
1942.....	32.4	66	-19	2.48	4.4	8	33.0	66	-14	2.85	3.4	8
1943.....	33.9	79	-5	2.95	8.9	11	34.5	71	-11	2.92	4.1	9
1944.....	34.7	75	-13	3.29	6.5	7	35.5	72	-5	2.47	2.8	7
1945.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Period.....	33.0	80	-40	3.33	7.4	10	34.7	77	-14	3.54	5.1	10

Climatological Data for January 1944

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

All departures from normal are computed from the averages of the entire period for stations having 10 or more years of record, except that for First-Order Weather Bureau Stations they are based on adopted normals. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). T. Trace or 0.005 inch or less rain or melted snow. * Recording gage. † Interpolated. ‡ Elevations are of ground above mean sea level.

†† Post addresses of these stations are as follows: Of Bell, Glendale; of Blackwater, Cambridge; of Coleman, Worton; of Edgemont, Smithsburg; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Picardy, Paw Paw, W. Va.; of Prettyboy Dam, Parkton; of Sines, Oakland; of Tonoloway, Hancock. Custom House, Gay and Water Sts. ** Weather Bureau Building, 24th and M Sts. ††† Also on other dates. †††† On mountain top, 2 1/2 miles northwest of Frostburg. ††††† Municipal Building. †††††† Porter Reservoir. ††††††† Water Pumping Station. †††††††† University Farm. †\$1 mile west. Figures and letters following station indicate distance and direction of the observation point from the City Postoffice.

Thermometers are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Sines, and Washington are from midnight to midnight; at Dundalk, Mt. Savage Summit, Ocean City, and Snow Hill the thermometers are read at 1:30 a. m. the extremes are charged to the preceding day; at other stations temperatures are for a 24-hour period ending in late afternoon or near sunset, except 9 p. m. at Chestertown. ††††† Data interpolated.

Daily Precipitation for January 1944

Table with columns: Stations, Drainage basin, Day of month (1-31), Total. Lists precipitation data for various Maryland and Delaware locations.

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1Midnight to midnight; recording gage. 2Measured in the morning; for the preceding 24-hours. 3Data for 24-hours ending at 1:30 a. m. of following day. T. Trace or 0.005 inch or less. *Included in next measurement. ITALICS Data interpolated. †First-order Weather Bureau station. ‡Water Pumping Station. ‡‡University Farm. §§Municipal Building. §§§Porter Reservoir.

Daily Temperatures for January 1944

Table with columns: Stations, Day of month (1-31), Mean. Lists temperature data for various Delaware and District of Columbia locations.

Daily Temperatures for January 1944-Continued

Table with columns for Stations (Maryland), days 1-31, and Mean. Rows list various Maryland locations such as Aberdeen, Annapolis, Baltimore, etc., with their respective daily temperature ranges and monthly means.

See page 2 for explanation of reference marks.

(WBO, Richmond, Va., 3-27-44-1,200)