

# CLIMATOLOGICAL DATA

## 15 MARYLAND AND DELAWARE SECTION

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### GENERAL SUMMARY

This February was mild. Monthly precipitation averaged 86% of normal. Monthly snowfall averaged 70% of normal. Monthly sunshine was 5% below normal. The first decade was dry. There was a damaging wind at night of the 12th in Somerset County.

Cold periods were 2d, 9-14th, 19-20th, and 29th; otherwise, temperatures were mild, except quite mild during the 5-6th and warm during the 23d-24th.

Monthly precipitation was mostly between 2 and 3 inches, except mostly between 3 and 5 inches over the extreme southern portion of the section and in Allegany and Garrett Counties.

Monthly snowfall ranged from 0.1 inch at Ocean City and Snow Hill to 18.7 inches at Sines; it was light over the eastern and central divisions, below normal in Washington County, and above normal in Frederick, Allegany and Garrett Counties.

Light snow fell on the 1st, 2d, 4th, 7th, and 21st in the Allegheny Mountain region, on the 3d over the northern portion of the section, and on the 9th in southern Maryland and over the southern and central Eastern Shore. Light to moderate snow fell during the 11-12th over the northern portion of the section, during the 14-15th in western Maryland and Frederick County, and on the 29th over the entire section.

Grains were fair to good and green, except somewhat brown during the 9-14th in the southern and central counties. They greened nicely and pastures were fair during the third decade.

Activities included cutting wood, plowing, butchering, hauling manure, tending livestock, shelling corn, pruning fruit trees, and making tobacco beds. — J. B., jr.

### TEMPERATURE

The monthly mean for the section, 35.7°, is 2.4° above normal. The highest monthly mean was 40.4° at Crisfield; the lowest, 27.2°, at Mt. Savage Summit. The highest temperature, 72°, occurred at Bell and Great Falls on the 24th; the lowest, zero, at Mt. Savage Summit, Oakland, and Sines on the 13th. The greatest local monthly range was 62° at Sines; the least, 39°, at Solomons.

### PRECIPITATION

The monthly average for the section, 2.55 inches, is 0.43 inch below normal. The greatest monthly amount was 5.10 inches at Snow Hill; the least, 1.15 inches at Chewsville. The greatest 24-hour rainfall was 1.50 inches at Friendsville on the 22d. The average monthly snowfall for the section, 4.8 inches, is 2.1 inches below normal. The greatest 24-hour snowfall was 5.5 inches at Sines on the 29th.

### DEATH

It is with deep regret that the death of Mr. Charles J. Holzmüller, Cooperative Observer, at Milford, on February 18, 1944, is announced. Mr. Holzmüller served faithfully and rendered excellent records from June 1, 1902 to November 18, 1943, a period of 41 years and 6 months, when he became ill. Mr. Holzmüller was born in Baden-Baden, Germany, on January 28, 1863, and came to the United States when he was ten years old. He was a resident of Milford since 1885.

Mr. Holzmüller was succeeded by Mr. Howard T. Postles.

### ERRATA

January 1944. — Page 2: Aberdeen, prevailing wind direction should be nw; mean monthly temperature should be 35.2° at Coleman, 35.9° at Georgetown, and 28.6° at Oakland; Keedysville, the number of days with 0.01 inch or more of precipitation should be 8.

### MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light. — 2 to 5, 10 to 12, 14, 15, 17 to 23, 25 to 29. Fogs, dense. — 3, 11, 12, 14, 15, 17 to 23, 25 to 28. Glaze, light. — 11, 14, 17. Halos, lunar. — 8, 9, 14, 28. Halos, solar. — 2, 4, 5, 8, 25, 28. Sleet, light. — 3, 6, 11, 12, 14, 17, 20, 21, 26, 29. Thunderstorms. — 22, 27. Winds,

high. — 1 (gale), 4, 5, 6, 12, 14, 15, 18, 23, 29. Damage by strong northwest wind in Somerset County. — Straight-line blow; path one-half mile wide and 8 miles long, from Mt. Vernon to Princess Anne; 9 p.m. 12th, lasting 45 minutes. At Mt. Vernon a barn, a chicken house, and an outbuilding were wrecked; some chicken houses were damaged; a home and several chicken coops were moved from their foundations; a barn door 12 feet by 12 feet and a 12 foot oak bar 4 inches thick were broken in half; and a cow and some other livestock were killed; estimated loss \$5,000. Some window panes and a large glass window at the Court House were blown in and electric light and telephone services were disrupted at Princess Anne. A barn 30 feet by 70 feet was wrecked, killing a cow and 2 horses and destroying machinery valued at \$1,000, and a wagon load of feed was scattered over the fields in East Princess Anne; estimated loss \$5,000. Several trees 200 years old were uprooted at Beechwood. — J. B., jr.

### 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. ....	30.58	19	29.62	23	.....	.....	.....	.....	79	65	76	.....	917
Annapolis, Md. ....	30.57	13	29.48	23	9.2	.....	.....	.....	76	69	69	.....	816
Baltimore, Md. ....	30.62	19	29.52	23	10.5	42	w.	.....	1	72	57	66	51
Elkins, W. Va. ....	30.64	13	29.60	23	7.6	37	w.	.....	14	82	63	71	40
Harrisburg, Pa. ....	30.60	19	29.47	23	9.1	37	nw.	23	72	59	67	42	930
Norfolk, Va. ....	30.62	13	29.56	29	10.6	30	nw.	29	81	65	76	53	628
Philadelphia, Pa. ....	30.61	19	29.45	23	10.1	38	nw.	1	77	58	66	35	853
Pittsburgh, Pa. ....	30.61	15	29.50	22	11.5	47	nw.	23	80	66	70	33	894
Washington, D.C. ....	30.61	13	29.54	23	8.2	38	nw.	1	68	54	59	46	778

### COMPARATIVE DATA FOR FEBRUARY

Year	FOR MARYLAND					FOR DELAWARE						
	Temperature			Precipitation		Temperature			Precipitation			
	Mean	Highest	Lowest	Average	Average snowfall with 0.1 in. or more	Mean	Highest	Lowest	Average	Average snowfall with 0.1 in. or more		
1895. ....	24.5	67	-18	1.26	11.1	5	24.7	62	-4	1.61	11.3	6
1896. ....	34.5	66	-12	5.34	2.7	9	35.8	66	0	6.31	1.0	10
1897. ....	34.6	68	0	5.47	7.9	10	36.0	59	10	5.12	2.7	7
1898. ....	33.4	70	-6	1.58	2.1	5	36.0	65	0	2.00	T.	5
1899. ....	26.1	75	-26	5.30	28.8	12	27.7	65	-14	6.15	30.3	13
1900. ....	31.7	72	-15	4.74	8.3	9	33.1	69	3	4.24	10.0	11
1901. ....	27.3	69	-6	0.70	2.2	4	32.2	52	1	1.00	1.0	8
1902. ....	27.3	68	-17	4.51	6.0	8	28.9	62	6	4.82	12.8	8
1903. ....	35.6	73	-12	4.87	5.9	10	37.2	69	-1	1.57	2.5	10
1904. ....	27.0	70	-15	1.73	3.7	7	28.3	63	-1	2.25	5.0	6
1905. ....	25.3	53	-20	2.65	10.1	9	26.4	55	-6	4.07	5.6	10
1906. ....	33.1	68	-15	2.42	5.7	7	34.6	68	5	3.71	4.4	8
1907. ....	27.9	59	-29	2.38	16.0	7	29.1	57	-5	2.38	10.6	8
1908. ....	29.3	68	-15	4.16	14.7	10	32.1	68	3	4.30	4.1	8
1909. ....	41.6	75	4	3.55	4.8	11	43.3	76	7	3.50	2.4	11
1910. ....	32.9	74	-6	2.41	5.2	9	36.1	73	3	1.46	3.2	7
1911. ....	35.3	74	-8	1.92	7.1	9	36.4	68	17	2.03	5.6	8
1912. ....	29.3	65	-18	2.49	1.8	7	31.4	68	5	2.61	0.5	7
1913. ....	34.1	72	0	1.46	2.3	7	31.4	68	12	1.74	0.9	7
1914. ....	28.3	68	-28	2.81	14.9	9	31.4	64	1	2.62	10.0	8
1915. ....	37.1	72	-15	4.38	2.4	8	39.7	62	15	4.22	1.7	8
1916. ....	31.9	69	-11	3.27	7.9	9	32.9	67	-2	3.52	5.0	9
1917. ....	31.6	76	-18	2.18	7.1	8	31.7	69	-1	1.29	2.7	8
1918. ....	33.6	70	-15	1.56	2.4	6	33.4	71	-10	1.17	1.4	6
1919. ....	35.5	70	-3	2.36	3.2	10	36.2	69	14	2.89	0.4	9
1920. ....	31.4	62	-5	3.97	12.5	12	31.8	58	1	5.44	7.3	10
1921. ....	37.7	77	-15	2.86	9.8	10	38.2	71	10	3.33	7.0	10
1922. ....	37.2	79	-11	3.14	7.0	12	37.8	73	1	3.38	8.9	11
1923. ....	30.7	70	-9	2.79	6.9	11	30.9	61	6	2.91	9.0	11
1924. ....	32.3	68	-13	3.44	11.1	9	33.3	67	12	3.76	8.0	7
1925. ....	40.8	75	-2	1.54	0.1	7	43.0	74	13	2.18	T.	7
1926. ....	34.2	68	-5	3.99	6.2	12	35.5	65	8	3.92	11.9	10
1927. ....	39.9	73	15	3.86	8.4	11	40.9	69	22	3.57	3.6	8
1928. ....	35.4	66	0	2.78	1.2	9	36.1	63	9	3.20	1.2	9
1929. ....	32.7	72	1	3.57	11.0	9	35.0	71	11	4.65	8.5	10
1930. ....	39.2	85	-20	2.06	2.8	9	40.2	82	-3	2.04	3.1	10
1931. ....	36.5	65	7	1.69	0.8	8	37.3	62	14	1.54	0.2	7
1932. ....	40.5	88	8	2.31	0.2	8	40.8	79	15	2.70	T.	8
1933. ....	35.9	70	-8	2.93	7.7	11	38.1	68	8	3.68	9.3	10
1934. ....	22.5	60	-25	2.80	18.0	9	23.0	57	-15	4.12	20.1	9
1935. ....	33.0	69	-12	2.63	6.8	9	34.2	64	-4	3.30	5.3	8
1936. ....	26.6	70	-20	3.73	15.2	10	27.6	68	-3	4.57	13.6	10
1937. ....	34.6	72	0	3.25	8.8	12	36.8	69	14	2.78	5.3	12
1938. ....	38.8	76	4	2.52	2.1	9	39.6	72	15	2.61	2.3	8
1939. ....	39.4	76	0	5.15	1.4	12	41.2	75	13	5.70	T.	12
1940. ....	34.2	66	-4	2.93	8.1	11	34.6	64	2	3.00	7.9	11
1941. ....	31.3	60	-10	1.35	5.4	6	32.1	56	11	2.11	6.5	6
1942. ....	31.8	66	-9	2.13	2.3	6	32.7	65	7	2.10	1.1	5
1943. ....	36.1	75	-15	1.96	2.2	9	36.9	72	0	2.36	1.1	11
1944. ....	35.7	72	0	2.61	5.0	11	36.0	69	10	2.11	3.4	11
1945. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Period. ....	33.1	88	-29	2.95	7.1	9	34.4	82	-15	3.26	5.6	9

Climatological Data for February 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 (Clear, Partly cloudy, Cloudy), Prevailing direction of wind, OBSERVERS. Includes data for Maryland and Delaware stations.

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. 1 Recording gage. Italics, Data 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. \$ 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. Italics, Data interpolated.

Daily Precipitation for February 1944

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows list various stations in Maryland and Delaware, such as Aberdeen, Annapolis, Baltimore, etc.

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 February 1944

Table with columns for Stations, Day of month (1-31), and Mean. Rows list various stations in Delaware and District of Columbia, such as Bridgeville, Delaware City, Dover, etc.

Daily Temperatures for February 1944-Continued

Table with columns for Stations (Maryland), days 1-31, and Mean. Rows include Aberdeen, Annapolis, Baltimore (U.S.W.B.), Bell, Bethesda, Blackwater, Charlotte Hall, Cheltenham, Chestertown, Chewsville, Coleman, College Park, Conowingo Dam, Crisfield, Cumberland, Easton, Elkton, Fallston, Ferry Landing, Fort George G. Meade, Frederick, Friendsville, Frostburg, Georgetown, Germantown, Great Falls, Huntingtown, Keedysville, La Plata, Laurel, Maryland Line, Millington, Mt. Savage Summit, Oakland, Ocean City, Oxford, Picardy, Pocomoke City, Prettyboy Dam, Princess Anne, Ridgely, Rock Hall, Salisbury, Silver Spring, Sines(Deep Creek), Snow Hill, Solomons, State Sanatorium, Takoma, Tonoloway, Unionville, Western Port, Westminster, Woodstock.

See page 6 for explanation of reference marks.

(WBO, Richmond, Va., 5-3-44-1200)