

CLIMATOLOGICAL DATA

15

MARYLAND AND DELAWARE SECTION

J. BILLY, jr.

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GENERAL SUMMARY

This month was the fourth consecutive mild February and the mildest February since 1939. Monthly precipitation was somewhat below normal. Monthly snowfall was the greatest in February since 1940, but was slightly below normal. Monthly sunshine was 5 to 10 percent above normal. There were strong winds of gale force, but not damaging, on the 2d, 14th, and 15th.

The 14th, 26th, and 27th were very warm. The other days were warm or mild, except the 3d-5th, 11th, 15-16th, 19th, 21st-22d, and 24-25th were moderately cold or cold. There was no severe cold weather.

Monthly precipitation was between 3 and 4 inches over western Garrett County and over southwestern Baltimore, eastern Howard, eastern Montgomery, northwestern Prince Georges, and northwestern Anne Arundel Counties, and between 1 and 2 inches over southern Talbot, extreme southern Caroline, Dorchester, extreme southern Calvert, and eastern St. Marys Counties; over the remainder of the section the totals were between 2 and 3 inches, except slightly below 2 inches at a few localities.

Monthly snowfall was above normal from Garrett County eastward to and including Baltimore County and was below normal over the remainder of the section. Monthly amounts increased from a trace at Crisfield to 5 inches at the east-west central portion of the section and to 6 to 14 inches over north-central Maryland. Monthly amounts increased in all directions from a trace over the area between Delaware City and Elkton. Monthly snowfall totaled 9 to 18 inches over western Maryland.

Light snow fell on the 2-3d, 10th, 14th, 20th, and 24th and snow flurries, except light snow at Oakland, occurred on the 7th over the Allegheny Mountain region. There were snow flurries over the entire section, except a light fall of snow in some localities, on the 5th; over the central division of the section on the 10th; and over Allegany and Washington Counties, north-central and southern Maryland, and the northern third of the Eastern Shore on the 24th and 25th. Light snow fell over western Maryland and Frederick County and snow flurries occurred over the remainder of the section during the night of the 14-15th.

At night of the 10-11th there was a light to moderate snowfall over the section, except a rapid and heavy fall, producing depths of 6 to 8.5 inches, over Montgomery, extreme northwestern Prince Georges, Howard, extreme southern Carroll, southern Baltimore, and extreme northwestern Anne Arundel Counties.

On the 19th there was a heavy fall of snow, 8 to 14 inches, over western Maryland, Frederick, Carroll, and northern Baltimore Counties and a light fall of snow over Montgomery, Howard, southern Baltimore, Harford, Cecil, and New Castle Counties; snow flurries occurred over southern Maryland.

Grains and grasses were green and in good condition and made some growth. Husking corn, cutting wood, butchering, pruning fruit trees, and hauling manure to the fields were in progress.

TEMPERATURE

The monthly mean for the section, 36.8°, is 3.4° above normal. The highest monthly mean was 43.6°, at Crisfield; the lowest, 29.8°, at Sines. The highest temperature, 76°, occurred at Snow Hill on the 27th; the lowest, 2°, at Chewsville and Clear Spring on the 11th, and at Oakland on the 15th. The greatest local monthly range was 70° at Clear Spring; the least, 42°, at Ocean City.

PRECIPITATION

The monthly average for the section, 2.42 inches, is 0.56 inch below normal. The greatest monthly amount was 3.82 inches at Oakland; the least, 1.56 inches, at Cambridge. The greatest 24-hour rainfall was 1.80 inches at La Plata on the 19-20th. The average monthly snowfall for the section, 6.6 inches, is 0.3 inch below normal. The greatest monthly snowfall was 18.3 inches at Frostburg; the least, a trace at Crisfield, Elkton, and Delaware City. The greatest 24-hour snowfall was 14.0 inches at Frostburg on the 18-20th.

MISCELLANEOUS PHENOMENA (WITH DATES)

Aurora Borealis (northern lights).—7, 8. *Light fogs*.—5, 6, 7, 9, 10, 12, 13, 14, 18, 19, 23, 24, 27. *Heavy fogs*.—5, 6, 7, 9, 10, 12, 13, 24. *Glaze, light*.—5, 6. *Halos, lunar*.—8, 12, 14, 16, 17, 19. *Robin, first*.—Baltimore, 9; Frostburg, 27. *Sleet, light*.—5, 6, 10, 19, 20, 24. *Sun-dog*.—Chewsville, 14, 22. *Thunderstorms*.—Ferry Landing, 6; Baltimore and Harford Counties, 27. *Winds, strong*.—1, 2, 3, 6, 7, 14, 15, 19, 20, 25, 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.	1:30 p. m.	7:30 p. m.		
Aberdeen, Md.	30.63	4	29.42	14	12.1	63	56	59	...	859
Annapolis, Md.	30.67	4	29.41	14	11.5	49	sw.	2	65	52	62	59	775
Baltimore, Md.	30.60	4	29.39	14	9.3	36	w.	15	68	60	71	42	881
Harrisburg, Pa.	30.67	4	29.35	14	9.9	43	sw.	14	69	55	66	56	926
Norfolk, Va.	30.64	4	29.50	10	9.5	36	sw.	19	72	52	66	60	580
Philadelphia, Pa.	30.64	4	29.34	14	8.2	25	sw.	14	69	52	62	54	829
Pittsburgh, Pa.	30.64	4	29.26	14	12.8	47	uw.	15	76	66	70	46	844
Washington, D. C.	30.65	4	29.43	14	9.3	33	nw.	15	64	47	56	63	716

COMPARATIVE DATA FOR FEBRUARY

Year	FOR MARYLAND						FOR DELAWARE					
	Temperature			Precipitation			Temperature			Precipitation		
	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 01 in. or more	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 01 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	10
1898	33.4	70	-6	1.58	2.1	5	36.0	65	0	6.00	3.3	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	3.2	4	28.2	52	1	1.06	1.0	8
1902	27.3	68	-17	4.51	6.0	8	28.9	52	6	4.82	12.8	8
1903	35.6	73	-12	4.87	5.9	10	37.2	69	-1	5.57	2.5	10
1904	27.0	70	-15	1.73	3.7	7	28.3	65	-1	2.25	5.0	6
1905	25.3	53	-20	2.65	10.1	9	26.4	58	-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	2.81	0.5	7
1913	34.1	72	0	1.46	2.3	7	36.0	73	12	1.74	0.9	7
1914	28.3	68	-28	2.51	15.9	9	31.4	64	15	1.62	10.0	8
1915	37.1	72	-15	4.33	2.4	8	39.7	72	1	4.32	1.7	7
1916	31.9	69	-11	3.27	7.9	9	32.9	67	2	3.52	5.0	10
1917	31.6	76	-18	2.18	7.1	8	31.7	69	-1	2.29	2.7	8
1918	33.6	70	-15	1.56	2.4	6	38.4	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	8
1925	40.8	75	-2	1.54	0.1	7	43.0	74	13	2.18	1.9	7
1926	34.2	68	-5	3.99	16.2	12	35.5	65	8	3.57	13.9	10
1927	39.9	73	15	3.86	8.4	11	40.9	69	22	3.22	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	8.1	10
1931	36.5	65	7	1.69	0.8	8	37.3	62	14	1.54	0.2	7
1932	40.5	85	8	2.31	0.2	8	40.8	79	15	2.70	1.7	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	33.0	57	-16	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	3	5.70	12.2	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	2.86	1.1	11
1944	35.7	72	0	2.61	5.0	11	36.0	69	10	2.11	3.4	11
1945	35.1	70	-11	3.08	4.8	10	35.6	68	2	3.55	5.5	11
1946	36.7	76	2	2.43	7.2	10	37.9	76	11	2.30	2.2	9
Period	33.3	88	-29	2.94	7.1	9	34.5	82	-15	3.24	5.6	9

Climatological Data for February 1946

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. 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 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 Takoma Park No. 2, Silver Spring; of Tonoloway, Hancock; of Trappe, Oxford; of Wiltondale, Towson; *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 Post Office. ¶1.8 miles west. ¶ Private instruments.

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 8 p. m. at Chestertown. Italics. Data interpolated.

Daily Precipitation for February 1946

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

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. ¶¶¶Midnight to midnight.

Daily Temperatures for February 1946

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

Daily Temperatures for February 1946-Continued

Table with columns for Stations (Maryland), days of the month (1-31), and Mean temperature. Rows list various stations such as Aberdeen, Annapolis, Baltimore, etc., with their respective maximum and minimum temperatures for each day.

See page 6 for explanation of reference marks.

(WBO, Philadelphia, Pa. - 7-8-46-1200)