

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

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

This was the first cold April since 1940 and it was unusually windy. Precipitation was mostly below normal, except above normal in the Blue Ridge Mountain and Allegheny Mountain regions. Snowfall was confined to the Allegheny Mountain region and averaged normal for that division. Low temperatures caused heavy loss of tree fruit blossoms. There was a northeast heavy rain and high wind storm on the 19th. Sunshine was abundant, except deficient during the second decade. Monthly sunshine was 5% above normal. A mild tornado occurred on the 13th in Wicomico County.

Cold periods were 3d-4th, 6-7th, 14-16th, and 18-19th; cool periods were 10-13th, 20th-23d, and 29th; mild periods were 5th, 8-9th, 17th, and 24th; warm periods were 1st-2d, 25-28th, and 30th.

Light snow fell on the 3d, 13th, and 15th and light to moderate snow fell on the 14th in the Allegheny Mountain region; snow flurries occurred on the 14th and 15th over the remainder of the section. Snow flurries occurred on the 2d, 6th, and 21st in the Allegheny Mountain region, on the 3d in the northern border counties from Allegany County to New Castle County, on the 4th and 7th over the northern portion of the section, on the 13th in Allegany and Washington Counties, and on the 16th in extreme northern New Castle County.

Freezing temperatures of the 4th destroyed an average of 75% of the early peach and early pear blossoms on the Eastern Shore, of the 16th destroyed some early peach and early pear blossoms in north-central Maryland, and of the 23d and 24th destroyed many early peach, early pear, and early strawberry blossoms in the central and western divisions.

Late peach and late pear trees were coming into blossom during the third decade. Apple trees bloomed during the second half of the month in the southern counties and began blooming during the last week in the northern Counties, except in the Allegheny Mountain region.

Early sown grains were good to excellent and pastures were fair to good, except they declined somewhat during the periods of low temperatures and high winds. Vegetable seeds were germinating and earliest planted peas and potatoes and early sown oats and clovers were coming up during the third decade, except in the Allegheny Mountain region where sowing and planting had not started.

The worst forest fire in the history of Maryland started in St. Marys County on the 28th and was brought under control on May 1. It destroyed 5,200 acres of timber valued at \$600,000 within a V-shaped strip 9 miles long and 6 miles wide between the Indian Bridge Road and the Point Lookout Road. — J. B., jr.

TEMPERATURE

The monthly mean for the section, 48.6°, is 3.6° below normal. The highest monthly mean was 55.6° at Salisbury; the lowest, 38.5°, at Mt. Savage Summit. The highest temperature, 86°, occurred at Ocean City and Snow Hill on the 28th; the lowest, 5°, at Oakland on the 16th. The greatest local monthly range was 67° at Oakland; the least, 47°, at Annapolis.

PRECIPITATION

The monthly average for the section, 3.23 inches, is 0.28 inch below normal. The greatest monthly amount was 6.22 inches at Oakland; the least, 2.29 inches, at Chewsville. The greatest 24-hour rainfall was 2.40 inches at Elkton on the 18-19th. The monthly average snowfall for the section, 0.4 inch, is 0.7 inch below normal. The greatest monthly snowfall was 11.5 inches at Oakland. The greatest 24-hour snowfall was 6.0 inches at Oakland on the 14th.

MISCELLANEOUS PHENOMENA (WITH DATES)

First martin at Georgetown, 8. First catbird at Princess Anne, 29. *Fogs, light*.—1, 2, 8 to 13, 16 to 21, 23 to 25. *Fogs, dense*.—1, 2, 12, 18, 19, 20, 23. *Frosts, killing*.—4, 7, 9, 12, 14, 15, 16, 23, 24, 29. *Halos, lunar*.—15, 16, 17. *Halos, solar*.—2, 4, 7, 9, 10, 11, 13, 16, 24, 25. *Hail, light*.—Locally, 20. *Hail, moderate*.—Bell, size moth balls, 5 minutes, 30. *Sleet, light*.—4, 7. *Sundogs*.—Chewsville, 1; Takoma, 25. Thundergust at 7 p. m., 13th blew down a few small old buildings north of Seaford and damaged some small boats at Sharptown on the Nanticoke River. *Thunderstorms*.—1, 4, 6, 7, 12, 13, 19, 20, 21, 30. *Tornado, mild*.—Northeast of Salisbury, 7 p. m., 13th; funnel-shaped cloud from southwest to northeast; path 200 yards wide, one-half mile long; some small buildings were moved from their foundations and some trees were broken off. *Winds, high*.—1, 2, 3, 5, 6, 7, 10, 12, 13, 14, 15, 16, 19, 21, 27, 28, 30.

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.	30.41	18	29.20	12	13.0	.....	.....	.....	70	42	52	.....	525
Annapolis, Md.	30.40	4	29.21	12	13.0	.....	.....	.....	72	44	64	.....	492
Baltimore, Md.	30.42	29	29.19	12	12.6	41	s.	13	67	46	54	65	487
Elkins, W. Va.	30.41	29	29.15	12	8.7	32	nw.	30	77	52	58	50	621
Harrisburg, Pa.	30.42	18	29.19	12	10.5	35	nw.	5	69	52	55	61	572
Norfolk, Va.	30.42	4	29.26	12	11.9	43	nw.	13	72	50	64	67	309
Philadelphia, Pa.	30.41	18	29.20	12	11.9	37	nw.	12	70	45	59	62	521
Pittsburgh, Pa.	30.42	29	29.03	12	13.4	42	nw.	15	72	50	56	54	560
Washington, D. C.	30.41	4	29.20	12	10.0	34	nw.	13	64	43	48	60	414

COMPARATIVE DATA FOR APRIL

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.....	52.4	89	18	5.17	0.1	9	52.1	89	28	5.39	0.0	10
1896.....	55.9	97	12	1.42	0.7	6	55.9	99	22	1.46	T.	7
1897.....	52.1	94	15	2.97	0.1	8	52.5	95	26	3.18	T.	12
1898.....	50.3	86	6	2.67	2.4	11	52.3	82	21	3.60	1.0	8
1899.....	53.1	94	14	1.60	0.3	4	52.3	84	22	1.56	T.	7
1900.....	52.3	86	16	1.93	0.4	6	53.2	79	24	2.39	T.	6
1901.....	49.1	90	15	5.74	2.0	11	49.9	81	31	5.12	0.0	9
1902.....	51.7	102	16	3.38	2.8	8	52.4	90	27	4.25	T.	9
1903.....	52.4	95	13	4.06	T.	9	52.8	83	25	3.66	T.	9
1904.....	49.1	87	10	2.47	0.2	9	49.5	84	24	2.40	T.	7
1905.....	52.8	88	8	2.82	0.6	9	52.7	85	26	3.07	T.	9
1906.....	54.1	96	10	3.23	T.	7	54.4	89	26	2.35	0.0	7
1907.....	47.0	86	9	3.33	2.0	10	47.4	83	23	3.36	0.5	11
1908.....	54.5	90	19	2.30	T.	10	55.3	87	24	2.81	T.	11
1909.....	52.6	89	5	3.51	0.9	10	53.7	86	25	4.30	T.	10
1910.....	55.9	92	20	5.58	0.2	12	57.1	87	28	3.85	0.0	9
1911.....	48.9	88	0	3.20	1.5	11	49.7	79	25	3.60	T.	11
1912.....	54.7	87	21	2.72	T.	12	54.3	83	27	2.83	T.	11
1913.....	53.9	90	11	4.41	T.	10	55.2	83	29	5.14	T.	10
1914.....	51.5	89	15	3.89	0.1	10	52.5	85	24	3.38	T.	9
1915.....	56.9	100	10	1.56	4.5	6	57.8	87	25	2.44	9.3	6
1916.....	51.4	89	17	3.10	4.3	12	51.5	87	28	2.42	1.1	12
1917.....	52.4	90	14	2.41	4.0	8	52.4	89	24	2.52	2.6	8
1918.....	51.0	83	15	5.90	5.7	12	52.3	81	28	4.33	0.2	10
1919.....	51.7	88	11	3.34	0.1	7	52.4	81	21	3.91	T.	7
1920.....	50.8	88	12	4.77	0.6	14	52.3	84	26	3.93	T.	10
1921.....	58.0	92	16	3.13	0.7	10	58.5	88	26	3.61	3.6	12
1922.....	54.0	93	17	1.84	0.1	9	54.2	88	28	2.32	0.0	9
1923.....	51.5	88	-3	4.15	1.1	9	52.0	83	11	4.22	0.1	12
1924.....	50.0	83	13	4.94	5.8	12	50.4	79	20	5.52	2.4	12
1925.....	55.2	87	20	2.49	0.2	11	55.8	89	25	2.66	0.0	10
1926.....	49.9	87	18	1.72	0.5	9	50.8	88	25	1.91	T.	12
1927.....	49.9	91	18	4.91	1.7	14	50.3	84	28	3.09	1.2	14
1928.....	49.9	85	14	5.85	4.4	12	50.8	82	23	5.88	0.6	12
1929.....	55.4	94	25	6.44	0.2	14	56.0	95	32	6.74	0.0	13
1930.....	50.6	93	18	2.54	0.6	9	50.7	85	25	1.99	T.	8
1931.....	51.3	84	18	3.05	1.6	9	51.9	78	28	3.31	0.0	9
1932.....	50.3	84	16	2.18	0.4	8	51.6	80	29	2.52	T.	8
1933.....	52.8	88	20	5.44	0.1	11	53.1	80	28	5.42	0.0	10
1934.....	51.9	86	19	2.60	0.2	10	52.0	82	29	3.13	T.	11
1935.....	49.9	92	14	3.76	2.3	10	50.9	85	30	3.81	T.	11
1936.....	49.6	90	11	2.82	0.3	11	51.2	85	28	3.01	T.	12
1937.....	51.1	84	19	6.52	0.2	12	52.2	88	28	1.19	T.	11
1938.....	54.8	94	19	1.76	0.2	8	55.3	88	25	1.87	T.	8
1939.....	51.2	93	16	5.03	0.2	16	52.0	88	27	5.66	T.	15
1940.....	48.2	84	13	5.92	1.8	13	47.9	80	22	5.69	2.2	15
1941.....	56.9	97	17	2.94	0.0	5	56.3	91	28	3.19	0.0	6
1942.....	55.8	96	18	1.12	0.1	4	55.1	91	25	1.03	0.0	4
1943.....	48.5	86	5	3.20	0.5	11	49.3	84	18	3.46	T.	10
Period.....	52.1	102	-3	3.51	1.2	10	52.7	99	11	3.53	0.5	10

Climatological Data for April 1943

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.

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.

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 Pleasant Hill, Owings Mills; 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. \$2 miles northwest of Frostburg. §§Municipal Building. \$\$\$Porter Reservoir. ||Water Pumping Station. |||University Farm.

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; other stations, except Blackwater, Cheltenham, College Park, Conowingo Dam, Cumberland, and Pocomoke City, are for 24-hour period ending late in afternoon, near sunset.

Daily Precipitation for April 1943

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

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 measured in the morning; amount then recorded is for the preceding 24 hours.
4 Precipitation is measured at 1:30 a.m.; amount then recorded is entered on preceding day.
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.
11 Water Pumping Station.
12 University Farm.

Daily Temperatures for April 1943

Table with columns for Stations, Day of month (1-31), and Mean. Rows list Delaware locations (Bridgeville, Delaware City, Dover, etc.) and District of Columbia (Washington).

Daily Temperatures for April 1943 - Continued

Table with columns for Stations (Maryland), days 1-31, and Mean. Rows list various stations like Aberdeen, Annapolis, Baltimore, etc., with their respective temperature readings.

See page 14 for explanation of reference marks.

(WBO, Richmond, Va., 6-10-43-1200)