

CLIMATOLOGICAL DATA

15

MARYLAND AND DELAWARE SECTION

J. BILY, jr.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR.

VOL. XLVIII BALTIMORE, MD., APRIL 1944 No. 4

GENERAL SUMMARY

This April was cool, wet, and windy. It was the wettest April since 1940. The 3d-6th and 22d-24th were cold and the 8-10th was warm; otherwise, temperatures were mild or cool. Precipitation was frequent. The major portion of the monthly precipitation fell during the third decade. The 22d-24th was a cloudy period. The 28-30th was a clear sky period.

Monthly precipitation averaged 1.2 times the normal; monthly snowfall 0.7 of normal; and monthly sunshine 10% below normal.

Monthly precipitation was mostly near 4 inches, except mostly between 4 and 5 inches over the Eastern Shore and 5 to 6 inches in western Garrett County. Totals ranged from 2.61 inches at Luke to 6.21 inches at Dover.

Monthly snowfall was between 0.2 inch and 1.7 inches, except a trace over the extreme southern Eastern Shore and from Frederick County westward to the foothills of the Allegheny Mountains, and then increased rapidly westward to 7 inches in the highlands thereof.

Light snow fell on the 1st, 4th, 5th, and 6th and snow flurries occurred on the 12th and 17th in the Allegheny Mountain region. Snow flurries occurred on the 3d over the extreme southern Eastern Shore and on the 4th (except as noted below), 5th, and 6th between the Allegheny Mountains and the Atlantic Coast.

Light rain in the afternoon of the 4th over the eastern half of the section gave way to a heavy snowsquall in the late afternoon or evening of the 4th in the central division and in the early night of the 4th on the Eastern Shore.

Wheat, rye, and barley were good to excellent and made rapid growth. Grasses and pastures were good to very good and made good growth. Wet fields prevented general plowing and planting. Some early potatoes and some peas were planted, some gardens were started, and some oats were sown, except in the Allegheny Mountain region. Tomato and tobacco seeds were sown in beds. Sweet potatoes were bedded. Fruit trees bloomed heavily. During the last week peach, pear, and cherry trees were setting fruit and apple trees finished blooming in the southern and central counties and peach, pear, and cherry trees finished blooming and apple trees were in full bloom in the northern counties, except coming into bloom in the Allegheny Mountain region. Strawberry plants bloomed during the second half of the month in the southern and central counties and were blooming during the last week in the northern counties, except were budding in western Maryland. Maple syrup and maple sugar productions exceeded all previous records at Grantsville.

TEMPERATURE

The monthly mean for the section, 51.0°, is 1.2° below normal. The highest monthly mean was 56.2° at Crisfield; the lowest, 41.5°, at Mt. Savage Summit. The highest temperature, 84°, occurred at Great Falls, La Plata, and Washington on the 9th and at Cumberland on the 30th; the lowest, 13°, at Mt. Savage Summit on the 5th. The greatest local monthly range was 63° at Bell; the least, 46°, at Crisfield.

PRECIPITATION

The monthly average for the section, 4.18 inches, is 0.66 inch above normal. The greatest monthly amount was 6.21 inches at Dover; the least, 2.61 inches at Luke. The greatest 24-hour rainfall was 2.73 inches at Chestertown on the 23d-24th. The average monthly snowfall for the section, 0.8 inch, is 0.3 inch below normal. The greatest 24-hour snowfall was 4.0 inches at Friendsville and Oakland on the 5th.

ERRATA

February 1944.—Page 6: Annapolis, days with precipitation 0.01 inch or more should be 8; Snow Hill, greatest precipitation in 24 hours should be 1.38.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light.—1, 2, 4, 9 to 13, 15 to 17, 19 to 27. Fogs, dense.—9 to 12, 15 to 17, 20 to 25.
Frosts.—1, 4, 7, 14, 20, 28, 29, 30; no damage. Hail, light.—12, 15, 24. Halo, lunar.—10.
Halos, solar.—4, 7. Rainbows.—12, 21. Sleet, light.—1, 2, 4. Thunderstorms.—1, 4, 12, 15, 16, 21, 23, 24, 27. Winds, high.—5, 8, 10, 11, 12, 13, 25.
Anne, 27. First woodpecker.—Clear Spring, 25. First calbird.—Princess

EVAPORATION STATION: Beltsville, Md. (Elevation, 120 feet)
U. S. Bureau Dairying Industry, Joseph B. Shepherd, in charge
(Evaporation Tank: 10 inches deep, 48 inches in diameter)

Precipitation, 3.49; evaporation, 4.220; average daily wind movement, 102.3.

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	7:30 a. m.	1:30 p. m.		
Aberdeen, Md.	30.45	29	29.38	12	8.3	34	sw.	74	52	64	462
Annapolis, Md.	30.43	29	29.36	12	9.3	34	sw.	79	52	69	387
Baltimore, Md.	30.47	29	29.41	12	10.6	29	w.	72	53	61	361
Elkins, W. Va.	30.50	29	29.43	12	7.5	29	w.	80	61	63	41
Harrisburg, Pa.	30.46	29	29.39	12	9.1	30	nw.	74	58	64	47
Norfolk, Va.	30.45	29	29.43	12	10.8	30	nw.	72	59	67	247
Philadelphia, Pa.	30.42	29	29.37	12	10.6	41	se.	11	76	63	49
Pittsburgh, Pa.	30.52	29	29.35	12	11.1	35	s.	11	76	65	48
Washington, D. C.	30.47	29	29.43	12	8.1	32	nw.	71	49	55	343

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
1896	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	0.0	6
1897	52.1	94	15	2.97	0.1	8	52.5	89	26	3.15	0.0	9
1898	50.3	86	9	2.37	2.4	11	50.3	82	21	6.00	1.3	12
1899	53.1	94	14	1.00	0.3	4	52.3	84	22	1.56	T.	3
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	3.06	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	3.82	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.	14
1909	52.6	89	5	3.51	0.9	10	53.7	86	25	4.30	T.	10
1910	55.9	92	20	5.38	0.2	12	57.1	87	28	3.35	0.0	9
1911	49.9	88	9	2.30	5	12	49.7	79	25	3.68	T.	12
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	97	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	88	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	3.33	0.7	10	58.5	88	26	3.61	3.6	12
1922	54.0	93	17	1.84	0.1	9	54.2	86	23	2.32	0.0	9
1923	51.5	88	13	4.35	1.1	9	54.0	85	11	4.22	0.1	8
1924	50.0	83	13	4.94	5.8	12	50.4	79	30	5.52	2.4	12
1925	55.2	97	20	2.49	0.2	11	55.3	89	25	2.96	0.0	12
1926	49.9	89	18	1.72	0.5	9	50.8	88	25	1.91	T.	10
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	5.76	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	94	19	6.82	0.2	12	52.3	85	28	5.19	T.	11
1938	54.8	94	19	1.76	0.2	8	55.3	88	25	1.67	T.	8
1939	51.2	93	16	5.03	0.2	16	52.0	88	27	5.86	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
1944	51.0	84	13	4.10	0.8	14	51.2	83	22	4.87	0.9	13
1945												
Period	52.1	102	-3	3.52	1.2	10	52.6	99	11	3.55	0.5	10

Daily Precipitation for April 1944

Table with columns: Stations, Drainage basin, Day of month (1-31), and Total. Rows list various stations like Aberdeen, Annapolis, Baltimore, etc., with 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. 1First-order Weather Bureau station. m. Water Pumping Station. ||| University Farm. §§Municipal Building. §§§Porter Reservoir.

Daily Temperatures for April 1944

Table with columns: Stations, Day of month (1-31), and Mean. Rows list stations like Bridgeville, Delaware City, Dover, Millsboro, Newark, Wilmington, and Washington with temperature data for each day.

Daily Temperatures for April 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 temperature data.

See page 14 for explanation of reference marks.

(WBO, Richmond, Va., 6-16-44-1,200)