

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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VOL. LI

BALTIMORE, Md., APRIL 1947

No. 4

GENERAL SUMMARY

Although the temperature for the month averaged slightly more than 2 degrees above normal, there were approximately ten days during the month when temperatures were below normal. The period from the 21st through the 23d averaged about ten degrees below normal. Freezing temperatures or killing frosts were reported from many stations over the section, except the extreme south, on the 1st, 3d or 4th, 8th, 10th, 23d, 28th, and 29th, and locally at northern and western stations on a few additional days. Temperatures much above normal occurred from the 5th to the 8th and on the 11th, 12th, 19th, 24th, and 30th.

The dry weather of the winter months continued through April over most of the section except extreme southern Maryland, lower Eastern Shore, southern Delaware, and a few local areas in central Maryland and northern Delaware. For the most part, deficiencies in rainfall for the month were between 1 and 2 inches. In some portions of Maryland deficiencies for the year to date were in excess of 5 inches with the average for the State as a whole approximately $3\frac{1}{2}$ inches below normal. In Delaware the average deficiency for the year through April was about 2 inches. Several stations on the lower Eastern Shore and southern Delaware recorded over 4 inches of rainfall for April.

Although the rainfall was not generally sufficient to relieve the rather dry condition of the soil over much of the section, it was well distributed throughout the month and was sufficient in general for good growth of crops, grasses, grains, and fruit trees. By the end of the month, rye in some localities was 18 to 30 inches high, wheat was 6 to 12 inches; and oats were mostly up. Ploughing for corn was progressing rapidly. Pastures were generally good to excellent. However, early garden crops were growing slowly, having been retarded by the cool weather the latter part of the month.

TEMPERATURE

The monthly mean temperature for the section was 54.6 degrees, 2.3 degrees above normal. The highest monthly mean temperature, 58.0 degrees, was reported from Crisfield, Maryland, and the lowest, 49.4 degrees from Sines, Maryland. The highest temperature, 90 degrees, occurred at Cumberland, Maryland, on the 5th; the lowest, 20 degrees, at Bridgeville, Delaware, on the 4th, and at Oakland, Maryland, on the 29th. The greatest local monthly range was 63 degrees at Millsboro, Delaware, where a maximum of 84 degrees was reported on the 6th, and 21 degrees on the 4th. The least monthly range was 44 degrees at Annapolis, Maryland, and Crisfield, Maryland. Annapolis had extreme maximum and minimum temperatures of 81 and 37 degrees on the 6th and 1st, respectively, and Crisfield had extremes of 78 and 34 degrees on the 20th and 4th, respectively.

PRECIPITATION

The monthly average for the section was 2.81 inches, which was 0.67 inch below the normal. The greatest amount of precipitation for the month was 6.20 inches at Wilmington, Dela-

ware. Cumberland, Maryland, reported the least amount with 1.25 inches. The greatest 24-hour rainfall was 4.49 inches at Wilmington, Delaware, on April 30th and May 1st. The average monthly snowfall for the section was a trace and was 1.1 inches below the normal. The greatest 24-hour and monthly snowfall was a trace recorded at Sines, Maryland, on the 18th.

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.	30.43	10	29.63	16	70	53	64	...
Annapolis, Md.	30.50	10	29.72	16	10.8	35	sw.	5	78	52	60	356
Baltimore, Md.	30.45	10	29.56	16	11.9	52	w.	6	78	46	60	302
Elkins, W. Va.	30.39	7	29.57	16	9.4	34	sw.	6	77	54	60	371
Harrisburg, Pa.	30.47	10	29.57	16	9.5	31	sw.	11	79	60	60	393
Norfolk, Va.	30.49	23	29.64	16	11.6	25	w.	7	78	54	64	216
Philadelphia, Pa.	30.49	23	29.58	16	9.4	23	w.	6	74	54	56	354
Pittsburgh, Pa.	30.45	13	29.51	16	12.4	56	w.	6	74	54	56	357
Washington, D. C.	30.50	10	29.57	16	9.1	29	w.	6	74	46	54	20

COMPARATIVE DATA FOR APRIL

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	
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.	6
1897.....	52.1	94	15	2.97	0.1	8	52.8	89	26	3.18	0.0	7
1898.....	50.8	56	6	2.67	2.4	11	50.1	82	21	3.60	1.8	12
1899.....	53.1	94	14	1.60	0.3	4	52.3	84	22	1.56	T.	3
1900.....	52.8	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	3.88	2.8	8	52.4	90	27	4.25	T.	9
1903.....	52.4	55	13	4.06	T.	9	52.8	93	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	2.95	0.0	7
1907.....	47.0	86	9	3.83	2.0	10	47.4	88	28	3.36	0.5	11
1908.....	54.5	90	19	2.80	T.	10	55.3	87	24	2.81	T.	11
1909.....	52.6	89	13	3.51	0.9	10	53.7	86	25	4.90	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	10	3.20	1.5	11	49.7	79	25	3.66	T.	11
1912.....	54.7	87	21	2.72	T.	12	54.3	83	27	2.53	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	4.8	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	3.84	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	82	28	2.32	0.0	9
1923.....	51.5	88	-3	4.15	1.1	9	52.0	83	11	4.22	0.1	8
1924.....	50.0	83	13	4.94	5.8	12	50.4	79	20	5.52	2.4	12
1925.....	55.2	97	20	2.49	0.2	11	56.3	89	25	2.06	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	10	50.5	94	28	3.09	1.2	14
1928.....	49.9	85	14	5.85	4.4	12	50.8	92	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	2.64	0.6	9	50.7	85	25	1.99	T.	8
1931.....	51.8	84	18	3.05	1.6	9	51.9	78	28	3.31	0.0	9
1932.....	60.3	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	2.8	10	50.9	85	30	3.81	T.	11
1936.....	49.6	90	11	2.82	0.3	11	51.2	85	25	3.01	T.	12
1937.....	51.1	94	19	6.52	0.2	12	52.3	88	25	5.19	T.	11
1938.....	54.8	94	19	1.76	0.2	8	55.3	88	25	1.87	T.	8
1939.....	51.2	93	20	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	56.8	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.....	56.2	90	20	3.66	T.	12	55.9	87	26	3.81	0.0	14
1946.....	53.0	92	16	1.82	T.	8	52.0	87	25	2.27	0.0	9
1947.....	54.7	90	20	2.65	T.	10	53.8	84	20	3.89	0.0	11

Period ... 82.3 102 -8 3.48 1.1 10 52.7 99 11 3.54 0.5 10

Climatological Data for April 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees, Fahr.				Precipitation, in inches				Number of days	Prevailing direction of wind	Observers	
				Mean	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (Unmelted)		
<i>Maryland</i>															
Aberdeen, 4 miles SE.	Harford	57	29	52.4	+1.0	82	6	28	1	9.00	-0.42	1.30	16	0	8
Annapolis ¹	Anne Arundel	40	82	58.4	+0.8	81	6	87	17	3.15	-0.54	1.08	30	0	7
Baltimore ¹ (central)		14	77	55.8	+2.2	85	6	87	1	5.56	+2.22	3.64	30-1	0	8
Baltimore Airport	Baltimore	16	13	54.8	+2.5	83	6	35	4	4.78	+1.44	2.24	30	0	9
Bell II	Prince Georges	151	27	55.8	+8.2	85	6	24	1	2.55	-1.29	0.68	1-2	0	10
Beltsville, 1 mi. ESE	do	120	10	52.2	...	84	6	25	1	2.15	...	0.58	2	0	9
Blackwater ¹¹	Dorchester	5	7	56.4	...	81	6	25	4	3.34	...	1.46	16	0	12
Cambridge		17	58	54.9	+0.4	86	6	26	4	4.17	+0.58	1.67	12	0	10
Charlotte Hall, 24 mi. E	St. Marys	167	26	56.8	+8.0	85	6	29	17	3.02	+0.68	0.59	14	0	11
Cheltenham, 14 mi. NW	Prince Georges	230	47	54.5	+0.9	84	6	28	4	2.78	-1.25	0.79	2-3	0	11
Chestertown	Kent	35	42	53.6	+1.3	81	6	30	17	3.70	+0.01	1.32	16	0	10
Cheswells, 4 mi. SE	Washington	630	50	53.0	+2.6	84	6	25	28	2.18	-0.87	0.64	30	0	10
Clear Spring, 14 mi. NE	do	560	48	55.6	+4.7	84	6	29	4	2.50	-1.12	0.88	30	0	11
Cooperman, 3 miles NW	Kent	80	50	52.9	+2.9	85	6	27	1	3.37	-0.14	1.26	16	0	8
College Park	Prince Georges	95	61	56.4	+3.8	84	6	27	1	2.31	-1.28	0.59	2	0	10
Conowingo Dam		40	12	51.8	+0.7	85	6	27	1	2.85	-0.51	0.94	16-17	0	12
Crisfield	Harford	5	28	58.0	+2.5	78	20	34	4	3.30	-0.61	0.78	13-14	0	12
Cumberland	Somerset	623	77	54.6	+2.2	90	5	29	28	1.25	-1.63	0.90	24-25	0	9
Easton	Talbot	35	57	55.9	+2.5	81	6	26	4	3.38	0.00	0.81	12	0	12
Edgemont ¹¹ , 1 mile SW	Washington	920	9	54.0	+2.1	80	30	28	28	2.08	-1.57	0.55	16	0	8
Elkton	Cecil	28	21	53.6	+1.8	83	6	26	1	3.28	-0.42	1.32	16	0	10
Emmitsburg, 24 mi. SW	Frederick	720	81	54.0	+2.1	80	30	28	28	2.08	-1.57	0.55	16	0	8
Fallston	Harford	450	78	53.6	+2.7	81	6	80	87	2.05	-1.60	0.72	16	0	8
Ferry Landing ¹¹ , 1 mi. S	Calvert	120	31	56.6	+2.8	83	12	29	4	2.48	-1.55	0.51	16	0	11
Fort George G. Meade	Anne Arundel	195	6	57.6	...	86	30	29	1	2.27	...	0.62	1-2	0	7
Frederick	Frederick	297	78	54.6	+1.8	83	6	25	1	1.85	-1.70	0.49	21	0	13
Frederick Airport ¹¹	do	371	4	58.5	...	84	6	31	4	2.75	...	0.92	30	0	12
Frostburg	Garrett	1,980	29	52.6	+8.1	82	5	28	28	1.90	-1.90	0.58	24-25	0	15
Germantown	Montgomery	460	7	54.8	...	88	6	30	1	1.90	...	0.45	21	0	7
Great Falls ¹¹	do	200	59	54.8	...	88	6	21	1	1.76	-1.49	0.87	2-3	0	9
Hancock, No. 1	Washington	428	38	52.8	...	85	5	24	29	1.71	...	1.63	21	0	14
Hancock, No. 2	do	428	14	62.8	+0.8	85	5	29	47	2.47	-1.45	0.48	21	0	11
Huntingtown	Calvert	180	12	56.2	+2.1	84	6	29	1	1.44	-1.14	0.62	9	0	11
Keedysville	Washington	420	44	55.6	+2.9	84	80	29	47	1.56	-1.71	0.89	21	0	10
La Plata	Charles	190	33	56.8	+2.4	85	6	27	4	2.55	-1.46	0.55	16	0	8
Lake	Allegany	950	10	54.8	...	82	5	27	4	1.41	-1.19	0.35	25-26	0	10
Maryland Line	Baltimore	840	23	53.6	+8.3	82	80	28	28	2.31	-1.72	0.78	16	0	8
Millington	Kent	27	50	55.7	+2.5	89	6	26	1	3.04	-0.55	0.97	16	0	9
Oakland, 1 mile SE	Garrett	2,420	50	51.2	+5.1	80	20	20	29	2.97	-1.27	0.84	30	0	10
Ocean City	Worcester	10	9	56.1	...	81	12	32	4	3.32	+0.21	1.20	12	0	11
Oxford	Talbot	10	11	56.1	+0.1	81	12	32	4	3.31	...	1.53	16	0	12
Perry Point	Cecil	40	7	56.1	...	81	12	32	4	3.31	...	1.53	16	0	12
Picard ¹¹ , 3 miles NE	Allegany	1,030	21	56.2	+6.0	85	5	26	28	2.85	-0.56	0.90	30	0	11
Prettyboy Dam ¹¹	Baltimore	780	17	53.0	+2.8	81	30	29	28	2.28	-1.36	0.78	15-16	0	8
Ridgely	Caroline	67	57	55.2	+2.0	82	6	36	17	2.22	-1.16	0.65	16	0	9
Rock Hall	Kent	20	34	55.0	+2.1	81	6	28	4	3.39	-0.20	1.00	16	0	9
Salisbury	Wicomico	10	41	57.4	+3.2	83	87	25	4	4.00	+0.56	0.97	16	0	11
Sines ¹ (Deep Creek) ¹¹	Garrett	2,030	23	49.4	+8.9	82	5	22	29	2.77	-1.63	0.82	24-25	T	16
Snow Hill	Worcester	20	32	55.2	+2.7	83	6	26	4	5.45	+1.84	1.92	15	0	14
Solomons	Calvert	20	56	56.5	+1.7	81	6	34	4	3.60	+0.48	0.97	11-12	0	13
State Sanatorium	Frederick	1,460	39	50.1	-0.6	74	6	28	28	1.87	-2.06	0.54	21	0	8
Takoma Park, No. 1	Montgomery	320	49	56.8	+3.5	86	6	24	2	2.52	-0.97	0.65	1-2	0	10
Takoma Park, No. 2 ¹¹	do	280	8	55.6	...	85	6	30	17	2.09	...	0.51	16	0	9
Tonoloway ¹¹	Washington	550	23	53.4	+2.8	85	5	24	29	2.55	-1.05	0.94	30	0	9
Towson	Baltimore	476	36	54.4	...	81	20	24	29	2.55	-1.17	0.57	16	0	10
Unionville	Frederick	460	8	50.8	...	80	7	24	28	1.63	...	0.45	16	0	9
Western Port	Allegany	1,000	54	56.4	+4.6	85	5	29	28	1.97	-1.16	0.55	25	0	11
Westminster	Carroll	770	38	54.6	+4.5	83	30	28	17	1.76	-1.81	0.34	16	0	11
Williamsport, 2 mi. NW	Washington	360	9	54.6	...	84	6	27	1	1.69	...	0.31	12	0	14
Woodstock	Baltimore	415	78	54.6	+2.4	84	6	25	1	1.79	-1.52	0.64	16	0	8
<i>Dist. of Columbia</i>		72	77	57.4	+4.1	86	6	37	4	8.37	+0.10	1.18	30	0	12
Washington ^{1**}														U. S. Weather Bureau	
<i>Delaware</i>															
Bridgeville, 1 mile W.	Sussex	45	57	54.0	+1.0	82	6	20	4	8.88	+0.89	1.24	16	0	12
Delaware City, 14 mi. SW	New Castle	15	61	54.1	+1.9	80	6	30	1	2.82	-0.61	0.90	16	0	12
Dover	Kent	34	60	55.2	+2.1	82	6	23	28	2.85	-0.78	0.88	9	0	11
Georgetown	Sussex	60	2	54.6	...	81	6	22	4	4.05	...	1.35	16	0	11
Lewes	do	10	3	53.3	...	81	6	23	4	4.42	...	1.51	16	0	12
Millsboro	do	20	55	56.3	+2.4	84	6	21	4	4.39	+0.72	1.60	16	0	9
Newark	New Castle	110	16	52.6	+1.6	81	6	26	1	3.16	+0.46	1.23	16	0	9
Newark ¹¹ , 14 mi. SW	do	110	35	52.6	+1.6	81	6	30	1	3.25	+0.32	1.24	16	0	10
Wilmington ¹¹ , 2 mi. NE	do	260	36	51.4	-0.8	80	6	30	1	6.20	+2.37	4.49	30-1	0	11
Means and extremes:															
For Maryland and District of Columbia.															
For Delaware															
For entire section															

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. ² Interpolated. Elevations are of ground above mean sea level.

¹ Post addresses of these stations are as follows: of Bell, Glendale; of Blackwater, Cambridge; of Charlotte Hall, Mechanicsville; of Coley, Worton; of Edgemont, Smithsburg; of Ferry Landing, Owings; of Great Falls, Bethesda; of Picard, Paw Paw, W. Va.; of Prettyboy Dam, Parkton; of Sines, Oakland; of Takoma Park No. 2, Silver Spring; of Tonoloway, Hancock; of Trappe, Oxford. ² Custom House, Gay and Water Sts. ³ Weather Bureau Building, 24th and M Sts. ⁴ Also on other dates. ⁵ Municipal Building. ⁶ Porter Reservoir. ⁷ Water Pumping Station. ⁸ University Farm. Figures and letters following station indicate distance and direction of the observation point from the City Post Office. ¹¹ 1.8 miles west. ⁰ 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, Baltimore Airport, Frederick Airport, Sines, Washington, and Wilmington are from, midnight to midnight; at 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 11 p.m. at Chestertown. ¹ Interpolated.

Daily Precipitation for April 1947

Stations	Drainage basin	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Maryland																																	
Aberdeen ⁴	Atlantic	.46	T.	T.	T.			T.	.25			.03		.27		1.30						.41	T.		T.	.02	T.	T.				.26	8.00
Annapolis ¹	do	.49	T.	T.	T.	T.		T.	.40			T.		.82		.56	T.					.28	T.		T.	.07	T.	T.				1.08	8.18
Baltimore ¹	do	.47	T.	T.	T.	T.		T.	.19			T.		.02		.37		.97				.38	T.		T.	.15	T.	T.				3.06	5.56
Baltimore Airport ⁴	do	.69	T.		T.			T.	.20			T.		.01		.84		.72				.48	.01	T.		.14	T.	T.				2.24	4.78
Bell	do	.68	.07						.50			T.		.25		.06	.50	T.				.31	.04			.14	T.	T.				.01	2.55
Beltsville	do	.53							.34					.06			.30	.15	.36			.17	.11										2.15
Blackwater	do	.10							.59					.73		*	10.45	.05	.15			.03	.02										3.84
Cambridge	do	.15	.03						.45					1.67		.70	.09	.78	09			.10										4.17	
Charlotte Hall	do	.44	.05	T.					.49					.44		.59	.05	.55	.05			.13	.03									8.02	
Cheltenham ²	do	.63	.79						.55					.01			.29	.16	.30	.05			.10	.08	T.								2.73
Chestertown	do	.69	T.	.03	.02				.57					.03		.37		1.32				.27		T.		.87	.03						8.70
Cheswerville	do	.16	T.	T.	T.	.03			.18	T.				.23		.18		.15			.36	T.			.02	.18	T.					2.13	
Clear Spring	do	.06		.09	.03				.22	T.				.04		.22	T.	.28			.06	.39										2.50	
Coleman	do	.59							.40					.03		.84	.05	1.26				.40										3.37	
College Park	do	.59	.08						.39					.06		.25	.07	.52				.28	.01									2.31	
Conowingo Dam ³	do	.07	.82		.16	T.			.39	T.				.04		.26	.22	.72	T.			.22	.26								2.85		
Crisfield	do	.31		.06					.50					.44		.78	.10	.34	.08	.82			.21	.04							3.30		
Cumberland ²	do	.12	.11						.08					.01			T.	.15	.06			.20	T.									1.25	
Easton	do	.23		.05					.55					.81		.45	.10	.67	.05			.05	.25								3.88		
Edgemont ²	do	.13		.04	.06				.12					.18		.16	.19	.52				.03	.18								1.45		
Elkton	do	.62	.04		.06				.46					.03		.32		.32				.34									3.28		
Emmitsburg	do	.19	.02						.20					.28		.03	.55				.51										2.08		
Fallston	do	.37			T.				.18					.03		.22	T.	.72				.39	T.				.03	.11	T.			2.05	
Ferry Landing	do	.44	.05		.01				.50					.01		.32	.03	.51	.06			.21									2.43		
Fort George G. Meade	do	.60	.02						.35					.32		T.	.50				.30	T.									2.27		
Frederick	do	.34	.09	.02	T.	.02			.03	T.				.12		.01	.04	.24	.02	.31			.49	T.			.02	.18	T.			1.85	
Frederick Airport ⁴	do	T.	.41	.01	T.	.02			.03	T.				.10		.05	T.	.22				.48	.01			.15	T.	T.				2.75	
Frostburg	do	.22	.04	.03	.08	T.			.08					.05		.01	.28				.01	.11	.08			.58	.18	T.	.05		2.0		
Germantown	do	.30							.11					.15		.29		.40				.45									1.90		
Great Falls ²	do	.37							.11					.17		.27	.07	.87				.15	.21								1.76		
Hancock No. 1 ²	do	.05	.29		.02				.17					.07			.09	.18	.02	.08			.38	.08							1.63		
Hancock No. 2 ²	do	.32	T.						.17	T.				.10		.11	.21		.02			.48	.06				.12	.15			1.71		
Huntingtown	do	.35	.04						.62					.11		.85	.07	.53	.07			.11	.03								2.47		
Kedysville	do	.21	.02	T.		.08			.09	T.				.14		.26		.15				.39									1.56		
La Plata	do	.40							.45					.10		.40	T.	.55	.05	T.			.40	T.							2.55		
Luke ²	do	.04	.22						.11					.07		T.	.02	.13				.11	T.								1.41		
Maryland Line	do	.44							.10					.28		.12		.17				.32									2.31		
Millington	do	.37			T.				.68					.04		.30		.97	T.			.17	.06								3.04		
Oakland	do	.52	.12			.12			.23	.02				.09					T.			.10								2.97			
Oxford	do	.12	T.		.01				.55					.20		.50	.66	.08				.34	.03								1.84		
Perry Point	do	.58	.03	T.					.34					.03		.24	.02	.53				.30	.05								3.31		
Picardy	do	.40	T.	.10					.20					.15		.15	.20					.30	.05								2.85		
Prettyboy Dam	do	.36		.10					.27					.09		.27	.78					.33									2.28		
Ridgely	do	.16		.05					.27					.29		.25	.12	.65				.05	.03								2.22		
Rock Hall	do	.63			T.				.50					.10		.64	.10	.97	T.			.27	.03								3.39		
Salisbury	do	.10		.03					.65					.85			.02	.32	T.			.16	T.								4.00		
Sines ¹	do	.02	.42		.02	.02			.24					.05			.02	.32	T.			.07	T.							2.77			
Snow Hill ³	do	.08	.30		.08				.02					.92		.09	.59	.63	.34				.13							5.45			
Solomons	do	.14	.06		.02				.41					.97		.71	.03	.94	.14	.02			.08	.03						3.60			
State Sanatorium	do	.20	.02	T.					.20					.20			.33		.38				.54	.05							1.87		
Takoma Park, No. 1	do	.65	.08	T.					.84					.07		.35	.02	.52				.20								2.52			
Takoma Park, No. 2	do	.48	.06	T.					.83	T.				.05		.29	T.	.51				.28	.01	T.							2.09		
Tonowaway	do	.80							.10					.08		.10		.18				.43								2.55			
Towson ²	do	.34		.01					.16					.05		.25	.25	.57				.23	.12							2.11			
Unionville	do	.37	T.	T.					.14					.09		* .20	.45					.24								1.63			
Western Port	do	.80							.15					.05		.02		.18				.12	.12							1.97			
Westminster ²	do	.06	.25		.02				.21					.07		.26	.16	.84				.11	.12	T.						1.76			
Williamsport ⁴	do	.01	.20	T.	.01	.01			.17					.01		.81		.19	.21	.02			.19	.11						1.69			
Woodstock	do	.26	T.	T.					.10					.10		.29		.64				.26								1.79			
Washington, D. C. ¹	do	T.	.61	.02	T.				T.					.02		.05		.25	T.			.31	T.							3.37			
<i>Delaware</i>																																	
Bridgeville	Atlantic	.04		.02						.51					.91		.62	.05	1.24	.04	.02									3.88			
Delaware City	do	.64	.06	.02	.08				.50					.04		.10		.90				.03	.23							2.82			
Dover	do	.12	.02	.02	.05	T.			.88					.37		.22	.18	.49	T.				.12	.08						2.85			
Georgetown	do	.11			.01				.70					.79		.61	.14	1.95	.10				.16	.01				</					

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon, preceding 24-hours. ³Data for 24-hours ending at 1:30 a. m. of following day. Interpolated. [†]First-order Weather Bureau station. ^{||}Water Pumping Station. ^{|||}Urban.

¹Midnight to midnight; recording gauge
Trace or 0.005 inch or less. *Includes

preceding 24-hours. Data for 24-hours ending at 1:30 a.m. on following day.
interpolated. ¹First-order Weather Bureau station. ²Water Pumping Station.
³T. Trace or 0.005 inch or less. ⁴Included in next measurement. ⁵ITALICS Data
University Farm. ⁶Municipal Building. ⁷Porter Reservoir. ⁸Midnight to midnight.

Interpolated. *First order Weather Bureau station. **Water Pumping Station. ***University Farm. ****Municipal Building. *****Former Reservoir. -Brought to minimum.

Daily Temperatures for April 1947

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Daily Temperatures for April 1947

Stations (Delaware)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
<i>Delaware</i>																																	
Bridgeville	Maximum	62	66	61	57	73	82	74	62	58	63	73	78	68	58	71	67	67	68	78	80	69	49	62	77	68	60	74	70	67	80	68.0	
	Minimum	24	47	40	20	62	50	31	39	29	43	59	45	48	43	44	48	39	46	43	39	33	28	36	45	40	38	32	51	40.1			
Delaware City	Maximum	51	59	68	51	69	80	80	60	55	55	77	77	66	63	65	67	59	67	75	70	61	67	54	54	72	60	72	70	66	80	65.8	
	Minimum	30	44	48	31	48	60	45	33	42	34	46	57	44	43	41	48	41	40	50	48	35	36	42	49	41	45	35	34	53	42.4		
Dover	Maximum	56	65	62	51	72	82	82	60	55	52	77	77	66	67	67	67	77	76	69	51	51	76	74	60	73	70	68	79	67.2			
	Minimum	29	48	43	28	44	64	49	35	46	34	48	63	44	45	43	48	48	39	48	48	42	35	23	40	47	42	45	36	35	55	43.2	
Georgetown	Maximum	60	67	60	56	75	81	75	62	56	60	76	80	77	53	69	67	66	65	78	80	71	46	56	75	70	61	74	70	68	80	67.8	
	Minimum	25	38	41	22	35	62	44	28	42	29	45	62	47	46	44	47	46	41	50	46	42	37	28	39	48	42	36	35	31	54	41.4	
Lewes.....	Maximum	53	64	55	49	70	81	78	57	50	53	73	80	61	49	61	66	65	64	78	79	65	44	48	75	66	60	72	66	64	77	68.9	
	Minimum	25	46	37	28	45	68	47	39	39	33	46	60	44	44	44	48	46	41	50	47	42	38	38	40	45	42	42	38	34	54	42.7	
Millsboro	Maximum	60	68	60	56	76	84	76	61	55	59	76	80	78	55	67	68	61	67	79	84	74	54	54	78	73	62	75	72	69	80	68.7	
	Minimum	25	42	42	21	47	64	48	38	42	29	46	62	50	46	46	48	46	43	52	49	43	38	30	36	31	48	43	34	30	38	41.9	
Newark.....	Maximum	56	59	58	51	71	81	77	59	54	60	76	78	74	58	68	65	56	68	76	60	54	57	74	61	70	73	67	68	70	65.8		
(University Farm)	Minimum	26	43	42	27	49	68	48	31	42	28	39	56	42	40	38	46	45	32	43	46	39	34	29	38	47	40	41	30	28	49	39.8	
Wilmington	Maximum	55	58	55	53	69	80	70	56	51	57	75	76	61	54	67	56	56	67	72	65	43	52	54	58	52	54	65	69	79	61.9		
(Porter Reservoir)	Minimum	30	45	36	35	42	62	42	32	39	34	45	61	41	42	42	47	39	38	48	42	37	34	31	42	42	38	34	44	32	34	53	41.0

APRIL 1947

Daily Temperatures for April 1947—Continued

Daily Temperatures for April 1947 - Continued																																
Stations (Maryland)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Aberdeen.....	59	57	53	57	69	82	68	57	56	60	74	77	61	55	67	61	58	70	75	70	46	54	58	73	61	62	74	55	66	80	63	
	Minimum.....	23	41	37	30	44	61	41	38	31	44	58	42	48	39	34	48	46	38	33	41	43	43	40	31	38	37	31	38	57	40.	
Annapolis.....	51	56	56	49	72	81	70	49	59	53	62	78	62	51	55	69	59	70	75	71	49	50	56	63	60	62	73	51	59	74	61.	
	Minimum.....	37	45	42	37	44	55	46	38	43	42	49	57	46	48	44	50	46	49	49	39	38	40	48	45	45	45	45	49	45	46.	
Baltimore (U.S.W.B.).....	58	60	56	53	78	85	71	55	60	60	71	80	64	54	66	66	61	72	80	72	46	53	58	51	61	62	64	66	58	68	84.	
	Minimum.....	37	51	48	39	47	66	45	38	44	48	50	64	45	48	45	52	47	48	53	46	39	40	48	45	44	45	45	42	59	46.	
Baltimore Airport.....	58	59	54	54	72	83	69	56	59	60	70	79	64	52	67	64	60	72	79	72	46	55	59	52	61	62	64	66	58	68	85.	
	Minimum.....	36	49	41	35	46	63	44	36	43	40	49	59	44	48	45	51	45	39	49	45	39	46	48	45	43	43	43	39	43	46.	
Bell.....	63	61	61	55	72	85	84	65	62	64	77	80	80	62	70	67	67	67	72	79	78	74	54	60	61	79	63	76	74	71	81.	
	Minimum.....	24	49	43	25	45	63	60	26	43	29	43	63	41	47	37	50	48	32	41	42	36	28	39	50	41	32	29	25	40.		
Beltsville.....	62	62	52	54	72	84	71	62	60	62	71	79	66	52	71	67	54	72	79	79	43	54	60	79	55	62	76	59	71	82.		
	Minimum.....	25	38	44	27	38	46	55	23	48	29	43	51	41	45	38	47	46	32	38	42	41	36	29	39	50	41	32	29	37.		
Blackwater/.....	57	61	58	58	72	81	75	75	76	74	70	77	77	70	84	67	66	76	74	46	60	76	74	70	74	72	62	78.	69.			
Chestertown.....	59	58	58	59	70	81	72	55	56	61	76	78	63	63	64	66	61	76	79	75	46	50	44	80	59	62	73	66	80.	64.		
Cambridge.....	62	60	57	58	76	86	74	56	55	60	77	79	65	59	68	68	63	74	79	64	59	64	79	64	60	74	65	68	81.			
	Minimum.....	30	51	40	26	45	49	47	38	40	34	48	51	47	48	45	50	46	45	48	43	35	31	43	43	39	33	40	56	43.		
Charlotte Hall.....	63	63	60	54	74	85	81	60	63	80	79	69	60	70	70	70	79	79	81	71	51	64	77	64	72	82.	70.	70.	70.			
	Minimum.....	29	50	42	29	44	53	57	32	43	45	35	47	61	45	47	43	59	46	39	50	42	36	30	43	43	40	34	40.			
Cheltenham /.....	63	61	49	54	72	84	76	60	61	79	71	81	65	51	68	69	54	71	80	81	45	53	62	81	55	63	75	71	83.	66.		
Chestertown.....	30	41	44	28	44	52	56	33	41	35	48	63	45	47	41	46	49	35	49	44	42	37	30	44	50	43	40	34	52.			
Chewsville.....	59	58	58	59	70	81	72	55	56	61	76	78	63	63	64	67	65	66	77	59	55	61	77	69	71	76	64	81.	65.			
Clear Spring.....	61	60	56	52	80	84	84	68	59	65	74	74	72	62	69	72	78	75	57	58	63	78	77	68	73	60	73.	69.				
	Minimum.....	34	56	41	30	46	48	59	38	41	35	48	59	34	38	48	40	49	41	34	42	39	31	41	51	31	31	52.				
Coleman.....	62	60	59	58	75	85	78	61	57	64	80	71	62	72	66	72	72	82	77	59	61	79	70	65	71	84.	69.	70.				
College Park.....	63	62	60	54	73	82	82	62	60	64	78	81	74	58	70	70	72	75	80	76	59	61	80	64	73	76	72	84.	70.			
Conowingo Dam/.....	27	52	44	28	46	64	53	30	44	31	47	64	44	47	41	45	48	35	39	46	42	37	30	42	51	43	43	40	31	40.		
Frisco.....	57	52	50	54	75	85	65	55	54	61	75	78	64	53	59	54	71	76	65	45	55	64	66	57	62	74.	63.	74.				
	Minimum.....	21	40	39	29	40	45	43	37	41	31	42	54	41	42	46	32	41	49	40	36	32	44	43	43	43	43	35	43.			
Grisfield.....	61	63	60	58	71	81	76	72	68	65	74	77	71	68	65	64	63	76	78	74	47	62	70	66	69	66	67	75	68.			
	Minimum.....	87	51	45	34	48	48	58	40	46	39	48	59	49	46	49	50	48	45	54	55	46	40	38	47	41	45	45	44	48.		
Cumberland/.....	70	67	60	56	90	79	62	63	61	70	78	74	59	72	59	75	75	71	81	84	57	57	72	60	65	67.	65.	81.	68.			
	Minimum.....	34	42	42	39	44	46	50	32	43	38	39	55	34	44	40	45	42	42	43	37	39	45	44	42	40	39	31	40.			
Easton.....	61	61	60	59	72	81	70	58	55	61	68	73	79	61	67	67	68	67	71	75	69	60	67	73	72	65.	80.	68.				
	Minimum.....	29	51	48	26	45	56	60	30	44	37	42	62	46	48	45	47	41	49	45	34	42	48	40	32	45	34.	57.				
Elkton.....	59	59	58	55	83	87	59	56	52	78	80	76	60	70	63	69	71	78	71	54	56	58	74	70	68.	82.	66.					
	Minimum.....	26	44	42	28	46	40	47	32	41	29	40	50	41	42	50	47	45	40	47	39	35	30	40	32	48.	40.					
Emlsburg.....	60	58	57	50	71	76	67	62	55	60	72	73	65	60	66	61	65	63	65	60	62	70	75	61	73.	68.	68.					
	Minimum.....	8	49	40	53	42	58	42	37	38	35	44	52	46	48	40	50	45	35	35	44	47	39	46.	41.							
Fallston.....	58	56	56	55	72	81	76	58	55	60	78	77	70	54	68	60	59	60	67	71	71	64	55	75.	65.	81.	41.					
Ferry Landing.....	61	61	61	54	74	79	78	57	63	62	79	83	78	58	68	69	67	72	81	81	81	63	60	81	76.	63.	89.					
	Minimum.....	32	49	42	29	45	64	56	33	47	45	47	42	45	47	43	45	40	45	40	36	32	44	43	43	35.	43.					
Fort George G. Meade.....	61	62	61	54	73	86	86	68	62	63	73	82	80	63	68	75	73	80	86	76	55	61	82	81	64	77.	74.	86.	71.			
	Minimum.....	29	53	38	30	47	65	66	48	40	33	49	44	49	44	33	42	40	49	47	41	39	44	46	40	36	33.	60.				
Frederick.....	65	60	59	54	74	83	81	61	62	65	76	77	72	54	71	68	66	76	74	70	57	57	67.	63.	72.	82.	69.					
	Minimum.....	25	46	41	27	45	61	49	30	42	28	48	57	35	43	38	44	41	40	36	39	37.	35.	39.	31.	37.						
Frederick Airport.....	68	60	51	58	74	84	68	60	61	64	75	79	63	54	69	67	65	68	70	80	77	57	64	82.	74.	72.						
	Minimum.....	32	48	39	31	48	51	55	32	39	34	45	57	37	45	38	43	41	39	33	32	34.	35.	36.	34.	35.						
Frostburg.....	63	62	58	53	82	87	80	65	59	63	75	78	67	67	65	65	63	72	71	54	55	65.	65.	77.	84.	66.						
	Minimum.....	31	46	31	37	44	50	41	28	39	34	52	59	45	45	46	31	40	39	32	38	35.	37.	31.	39.	31.						
Germantown.....	62	61	60	52	72	83	74	61	61	63	76	77	70	65	67	65	70	78	77	67	53	62	79	74	62.	75.	77.					
	Minimum.....	31	50	42	31	43	46	50	37	41	48	55	61	56	60	72	75	74	71	76	74	44	55	66.	63.	75.	84.	41.				
Hancock.....	63	62	49	52	55	81	64	61	61	66	77	75	67	55	72	76	71	79	76	44	55	67.	63.	72.	84.	64.						
	Minimum.....	26	42	26	25	36	56	51	30	37	40	55	63	51	55	60	62	59	73	70	39	44	55.	53.	60.	75.	37.					
Huntingtown.....	59	61	61	55	73	84	80	63	61	62	78	81	70	61	66	69	70	78	79	71	49	58	50.	60.	72.	84.	69.					
	Minimum.....	31	4																													

See page 14 for explanation of reference marks.

(WBO. Philadelphia, Pa.—10-10-47—1825)