

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

In Cooperation with Maryland State Weather Service

# CLIMATOLOGICAL DATA

15

MARYLAND AND DELAWARE SECTION

J. R. WEEKS

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BALTIMORE, MD., MAY 1937

No. 5

## GENERAL SUMMARY

This May was featured by severe local thundersqualls, a number of small tornadoes, and by several damaging hailstorms.

The month was milder than normal in the eastern and central divisions, but cooler than normal in western Maryland. Monthly rainfall was below normal over the northern third of the section, but above normal in the central and southern thirds. Mild and cool periods alternated during the first and second decades. A warm spell prevailed during the third decade. The first four days were marked by clear sky and uninterrupted sunshine. Monthly sunshine was about 15 per cent above normal.

Grains, other growing crops, tree fruits, grasses, and pastures did well, made good progress, and were mostly good to excellent. Planting early potatoes, peas, truck crops, gardens, and sowing oats and grasses were in progress in the Allegheny Mountain region, but ended in the other divisions during the first or second decade. Planting corn was in progress in the eastern and central divisions; it began in western Maryland during the second decade, except in the Allegheny Mountain region during the third decade. All crops came up to good stands. Setting out tomato, tobacco, and sweet potato plants was in progress.

During the last week: Wheat was headed and rye was in full bloom or had bloomed in the southern counties; wheat was heading and rye was blooming in the northern counties, except in Garrett County; barley was in bloom; height of early sown oats ranged from 2 to 3 inches in Garrett County to one foot in the southern counties; strawberries were being harvested and early potato plants were blooming in the southern and central counties; peas were being harvested in the southern counties; strawberries were developing in the northern counties, except fruiting in Garrett County; pea pods were filling out in the central counties, and pea plants were in bloom and podding in the northern counties; earliest tomato plants were blooming; clover was being cut for hay; tree fruits were sizing, except peach and pear trees were setting fruit and apple trees finished blooming in the Allegheny Mountain region.—J. B., jr.

## TEMPERATURE

The monthly mean for the section, 63.2°, is 0.7° above normal. The highest monthly mean was 66.8° at Baltimore; the lowest, 54.8° at Sines. The highest temperature, 95°, occurred at Cumberland, Keedysville and Western Port on the 31st; the lowest, 27°, at Oakland on the 11th. The greatest local monthly range was 63° at Bell, and Hancock; the least, 35°, at Delaware Breakwater. The greatest daily range was 48° at Sines and Western Port on the 12th.

## PRECIPITATION

The monthly average for the section, 3.44 inches, is 0.03 inch above normal. The greatest monthly amount was 6.91 inches at Dundalk; the least, 1.59 inches, at Emmitsburg. The greatest 24-hour amount was 3.90 inches at Dundalk on the 26th. The monthly average snowfall for the section was 0. The average number of days with 0.01 inch or more of precipitation, 11, is 1 above normal.

## MISCELLANEOUS PHENOMENA (WITH DATES)

*Aurora.*—Night 4-5. *Fogs, light.*—4, 6, 8 to 11, 13 to 17, 27 to 30. *Fogs, dense.*—Fredrick, 9; Mt. Savage Summit, 14. *Frosts, killing.*—Allegheny Mountain highlands, 1, 7, 9, 11. *Hail, light.*—Middletown to Rocky Springs (5 miles) at the south to Walkersville-Hansonville-Ceresville area (3 miles) at the north, path 7 miles long, in Frederick County, 4 p.m.; to 4:30 p.m.; sw to ne; size peas to small marbles; no damage; 13. *Clouds, 17.*—District of Columbia and locally in Baltimore and Harford Counties, 22; Baltimore and southeastern Baltimore County, 26; Leonardtown, 26; Sines, 27; no damage. *Hail, moderate.*—Frostburg, 17; Aberdeen, and Dares Beach in Calvert County, 22; no damage. *Hail, heavy.*—Annapolis, 5 p.m., 26; nw to se; ranged from size of peas to 1 inch in diameter; Baltimore, central and east-central portions; 4:30 p.m., 26; nw to se; size marbles to walnuts; path 4 miles wide, 7 miles long; window glass on north and west sides of buildings, skylights, and greenhouse glass broken; roofs and auto tops punctured; damage, \$75,000. Barstow to Mutual, Calvert County, 9 p.m., 27; nw to se; path 1 mile wide, 5 miles long; hail as large as walnuts; no damage.

*Hail, solar.*—12, 16, 18, 25, 26. *Rainbow.*—6, 12, 17, 18, 22, 23, 25.

*Lightning.*—Damaged barn and injured man in barn at Denton, 6; damaged home in Frederick, 13; damaged home at Public Landing, 19; destroyed barn and killed 2 cows and 2 horses at Fair Haven, extreme southern Anne Arundel County, 22; damaged barn and killed 2 horses in a field near Prince Frederick, 22; damaged house in Baltimore, 26, 22, 23, 26, 27, 28. *Winds, high (other than thunderstorms).*—12, 14.

*Tornadoes, small.*—6th, 3900 block Northern Parkway, Baltimore City; 13th, Carroll and Frederick Counties; 22d, Dorchester County; 26th, east-central Baltimore City.

## WINDSTORMS AND DAMAGE

*Thundersqualls.*—19th; about 2 a.m., W to E; path 1 to 2 miles wide, 5 miles long; Snow Hill district; uprooted trees, unroofed office building and a garage, broke off several telegraph poles, and demolished barn; damage, \$2,000. 22d.—Late afternoon; severe gust moved from SW to NE, from Anne Arundel County across Bay to Kent County; canoe with 2 men turned over hurling the men overboard into the Severn River. In the Patapsco River, a sailing canoe was disabled by the loss of its mast and sail; no lives lost. 22d.—4:30 p.m.; SW to NE; blew barn over at Lower Marlboro; damage, \$200. 22d.—4:30 p.m.; SW to NE; demolished barn near Prince Frederick; damage, \$400. 22d.—8:30 p.m.; NW to SE; area of damage, 200 feet by 400 feet; 3 miles south of Huntingtown; demolished new tobacco barn and an old garage; damage, \$1,075; loss of tobacco in barn, \$1,000; uprooted some trees. 23d.—At night; NW to SE; path 1 mile wide, 3 miles long; Snow Hill district; unrooted buildings, uprooted a number of trees, but 100 telephones out of commission; damage, \$500.

*Tornadoes.*—6th, 12:45 p.m., W to E; path 100 feet wide, 1,000 feet long; along Northern Parkway of Hamilton, in northeast Baltimore; funnel shaped cloud observed; unrooted building, ripped slate from another roof, and blew away a large trellis; damage, \$500. 13th.—4:30 p.m.; SW to NE; in thunderstorm with damage 2 miles wide, 5 miles (Continued on page 18)

## 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									
Aberdeen, Md.	30.45	1	29.68	6	9.1	34	n.	27	70	55	64	90
Annapolis, Md.	30.43	1	29.68	6	9.0	40	..	..	66	42	70	72
Baltimore, Md.	30.43	1	29.68	6	9.9	40	nw.	26	65	56	76	49
Elkins, W. Va.	30.34	1	29.70	6	5.8	40	nw.	16	84	46	56	228
Harrisburg, Pa.	30.44	1	29.64	6	6.7	25	w.	17	71	48	55	79
Norfolk, Va.	30.39	1	29.73	6	9.3	41	nw.	28	72	50	62	87
Philadelphia, Pa.	30.44	1	29.64	15	12.0	43	sw.	22	66	46	56	74
Pittsburgh, Pa.	30.32	1	29.65	6	9.5	35	nw.	26	74	59	57	131
Washington, D. C.	30.44	1	29.68	6	6.7	30	sw.	22	73	46	54	67

## COMPARATIVE DATA FOR MAY

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	No. of days with 0.1 in. or more	
1895	61.7	101	20	3.27	0.3	12	61.7	98	37	3.65	0.0	12
1896	67.5	96	31	3.13	0.0	10	67.3	90	35	3.78	0.0	10
1897	61.1	85	27	5.16	0.1	11	62.2	85	40	4.01	0.0	10
1898	63.0	96	25	4.50	0.0	13	61.7	95	37	4.80	0.0	14
1899	63.6	96	31	3.72	0.0	10	63.2	96	38	2.47	0.0	8
1900	63.1	99	23	2.40	0.0	6	64.0	96	31	3.10	0.0	6
1901	61.3	95	25	4.55	0.0	12	61.2	86	38	3.65	0.0	11
1902	63.9	98	22	2.10	T.	8	63.8	94	37	1.88	0.0	7
1903	64.0	95	24	2.64	T.	7	64.1	95	31	2.03	0.0	6
1904	64.2	102	26	2.61	T.	7	64.3	95	39	1.90	0.0	5
1905	64.7	97	25	2.97	0.0	8	64.4	92	35	3.13	0.0	9
1906	63.3	96	22	2.64	T.	7	64.0	97	30	3.29	0.0	8
1907	58.1	91	23	4.54	0.0	13	58.1	87	32	6.39	0.0	14
1908	63.4	95	28	6.18	0.1	14	65.0	94	36	6.64	0.0	12
1909	62.2	98	22	3.58	T.	9	63.4	93	34	3.96	0.0	8
1910	60.0	90	16	2.99	T.	12	62.0	90	35	2.30	0.0	13
1911	67.6	100	19	1.11	T.	4	67.2	96	33	0.69	0.0	3
1912	64.1	92	29	4.12	T.	10	64.7	91	38	4.27	0.0	8
1913	62.6	94	16	4.31	0.0	10	63.8	93	32	4.42	0.0	8
1914	65.1	100	18	2.08	0.0	6	65.8	98	31	2.00	0.0	5
1915	60.7	90	25	3.82	0.0	13	62.3	88	37	3.90	0.0	12
1916	64.6	97	30	3.61	T.	10	65.2	94	39	4.33	0.0	11
1917	57.3	93	27	0.02	0.1	10	59.9	92	34	3.10	0.0	10
1918	67.7	98	27	3.79	T.	9	67.4	95	33	3.43	0.0	6
1919	62.8	97	31	5.33	0.0	13	63.9	91	38	5.92	0.0	12
1920	58.5	91	22	1.94	T.	7	58.5	87	30	2.30	0.0	8
1921	61.3	93	27	5.47	T.	13	61.7	90	38	3.74	0.0	12
1922	64.7	98	25	3.21	0.0	10	65.0	88	32	2.09	0.0	8
1923	61.1	94	23	1.98	0.2	7	61.8	91	32	1.32	0.0	5
1924	58.7	94	26	6.60	0.0	17	59.5	88	37	5.26	0.0	16
1925	58.8	100	25	1.98	0.1	9	59.9	90	32	1.20	0.0	7
1926	62.0	94	25	1.98	0.0	8	62.0	91	33	2.84	0.0	9
1927	61.7	95	28	3.60	T.	14	61.6	88	38	3.39	0.0	12
1928	60.5	96	23	2.48	0.0	12	61.0	91	32	2.17	0.0	11
1929	62.0	96	26	3.21	T.	13	62.6	93	35	1.98	0.0	11
1930	64.8	96	27	2.11	0.0	9	65.6	95	40	3.16	0.0	9
1931	62.2	95	23	4.54	T.	13	62.8	92	33	4.24	0.0	12
1932	61.9	94	25	5.30	0.0	10	62.9	90	37	5.18	0.0	10
1933	64.8	94	34	5.45	0.0	16	66.2	93	37	5.33	0.0	16
1934	63.9	97	28	4.64	0.0	10	64.6	95	38	6.74	0.0	10
1935	59.4	92	28	3.64	T.	11	60.0	87	37	3.60	0.0	11
1936	64.0	95	27	2.17	0.0	6	65.5	94	33	1.62	0.0	4
1937	63.1	95	27	3.42	0.0	11	63.9	92	32	3.61	0.0	11
Period	62.4	102	16	3.42	T.	10	63.1	100	30	3.32	0.0	10

## Climatological Data for May 1937

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.					Precipitation, in inches			Number of days			Prevailing direction of wind	OBSERVERS		
				Mean		Departure from the normal		Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (in inches)	With precipitation or more		
				Highest	Date	Lowest	Date								Clear	Partly cloudy	Cloudy	
<i>Maryland</i>																		
Aberdeen	Harford	26	19	64.8	+3.1	90	22	37	1	34	3.91	+0.96	1.30	0.0	14	9	13	9 sw.
Annapolis	Anne Arundel	45	72	65.6	+1.5	89	27	43	1	27	3.79	+0.25	0.76	0.0	15	10	15	6 se.
Baltimore*		14	67	66.8	+2.4	94	22	45	1	33	3.27	-0.27	1.00	0.0	13	14	9	8 sw.
Bell††	Prince Georges	151	17	63.5	+1.1	93	22	30	1	43	2.84	-0.62	0.88	0.0	11	13	16	2 sw.
Boysd.	Montgomery	375	18															Ralph F. Staley
Cambridge (near)	Dorchester	18	44	65.5	+0.3	90	+22	35	1	38	4.78	+1.44	1.80	0.0	10	22	6	3 nw.
Charlotte Hall	St. Marys	167	16															Prof. R. F. Crowson
Cheltenham	Prince Georges	230	37	64.0	+0.4	92	22	33	1	37	5.09	+1.70	1.73	0.0	13	14	15	2 nw.
Chestertown	Kent	35	32	64.4	+1.2	93	22	36	1	38	4.74	+1.86	1.10	0.0	11	17	12	2 sw.
Chewsville	Washington	630	40	59.2	-1.7	88	+31	34	11	36	2.85	-1.05	0.62	0.0	13	14	14	3 nw.
Clear Spring	do	560	40															Mrs. Anna Bevan Cohlill
Coleman††	Kent	80	40	64.6	+1.0	92	22	39	1	41	3.24	-0.10	1.10	0.0	11	17	12	2 sw.
College Park	Prince Georges	160	50	64.2	+1.4	92	22	32	1	42	3.75	+0.22	1.70	0.0	13	17	12	2 nw.
Conowingo Dam	Harford	40	2	63.2		93	22	39	1	42	2.48		0.55	0.0	13	14	4	
Crisfield	Somerset	5	18														Arthur B. Cochrane	
Cumberland	Allegany	623	65	63.2	+0.4	95	+31	36	11	47	2.45	-0.88	0.83	0.0	9	15	11	5 nw.
Darlington	Harford	360	47	65.2	+1.2	90	22	38	1	36	4.25	-0.80	0.50	0.0	9	14	13	4 w.
Dundalk	Baltimore	12	3	65.3		91	22	40	1	37	6.91		3.90	0.0	12	11	13	7 se.
Easton	Talbot	35	47	64.3	+0.8	92	22	35	1	36	4.29	+1.22	0.89	0.0	10	21	7	3 w.
Elkton	Cecil	28	11	63.6	+0.8	94	22	33	1	44	2.61	-1.05	0.85	0.0	10	18	10	3 w.
Emmitsburg	Frederick	720	69	63.4	+1.4	88	+22	39	1	31	1.59	-2.33	0.51	0.0	9	6	6 sw.	
Frelston††	Harford	450	68	63.7	+2.3	90	22	37	1	34	2.61	-0.68	0.75	0.0	12	12	16	3 sw.
Ferry Landing††	Calvert	120	21	65.2	+1.9	93	22	35	1	37	4.09	+0.76	0.86	0.0	11	16	10	2 s.
Frederick	Frederick	325	63	64.0	+0.3	93	+31	34	1	38	3.32	-0.12	1.04	0.0	11	16	11	4 s.
Friendsville	Garrett	1,980	19	56.4	-0.6	87	+30	32	11	44	3.74	-0.01	1.10	0.0	13	12	13	6
Frostburg	Allegany	1,950	36	59.7	-0.2	90	+30	36	11	41	3.78	-0.05	0.80	0.0	14	14	12	5 w.
Grantsville	Garrett	2,323	44															Thos. J. Bourne
Great Falls††	Montgomery	200	48	64.0	+0.5	93	22	31	1	44	3.15	-0.06	0.73	0.0	12	13	16	2 nw.
Hancock (City)	Washington	540	13															Marvin K. Murray
Hancock (Towsonway)	do	550	27	60.8	-1.4	93	+31	30	1	47	2.16	-1.02	0.70	0.0	14	15	12	3
Huntingtown	Calvert	160	27	64.9		93	22	38	1	38	3.37		0.67	0.0	11	18	11	2 nw.
Kedeysville	Washington	420	33	63.0	-0.3	95	+31	37	11	43	1.69	-1.74	0.38	0.0	11	16	12	3 sw.
La Plata	Charles	190	23	63.8	+0.3	90	22	34	1	37	4.30	+0.92	0.80	0.0	11	14	12	2
Laurel	Prince Georges	300	23	63.7	+0.8	92	22	35	1	38	2.52	-0.92	0.83	0.0	13	16	13	
Lutherville	Baltimore	340	11	63.0	+0.9	92	22	32	1	44	3.45	-0.01	1.00	0.0	9	17	11	3 sw.
Maryland Line	do	840	13	62.8	+1.4	89	22	38	1	38	2.78	-1.36	0.99	0.0	12	14	13	3 w.
Millington	Kent	27	40	64.8	+1.5	92	22	35	1	39	2.60	-0.63	1.06	0.0	10	20	9	2 s.
Mt. Savage Summit††	Garrett	2,852	5	56.7		83	+31	34	17	47	3.16	-0.77	0.0	0.0	16	13	12	6 nw.
Oakland	Baltimore	2,420	38	56.2	+0.4	87	+31	27	11	45	4.42	+0.05	1.02	0.0	14	12	13	6 w.
Parkton††	Cecil	780	7	62.4		89	22	38	1	36	2.25		0.79	0.0	11			C. W. Hendrix
Perryville	Picard††	40	2														J. H. Tullis	
Picard	Allegany	1,030	11	62.0	+0.1	91	+22	36	11	40	2.06	-1.15	0.45	0.0	10	17	11	3 w.
Pleasant Hill††	Baltimore	660	13														American Fruit Growers	
Princess Anne	Somerset	17	62	63.8	+0.8	91	22	35	1	39	3.34	+0.15	1.31	0.0	8	15	14	2 sw.
Ridgely	Caroline	57	47	64.6	+1.2	90	22	35	1	38	4.25	+0.93	1.19	0.0	11	18	11	2
Rock Hall	Kent	20	23	64.4	+1.5	90	22	37	1	36	4.10	+0.86	1.25	0.0	12	17	12	2 s.
Salisbury	Wicomico	31	32														Charles Judefind	
Sines (Deep Creek)††	Garrett	2,030	12	54.8		86	+31	29	11	48	4.41	+0.35	1.57	0.0	16	12	13	6
Snow Hill	Worcester	20	22	63.0	+0.5	92	22	32	1	42	2.60	-0.07	0.80	0.0	7	20	9	2 sw.
Solomons	Calvert	20	46	66.4	+1.5	90	27	41	1	28	4.02	+1.16	1.22	0.0	9	17	12	2 se.
State Sanatorium	Frederick	1,460	29	62.8	+1.4	88	+22	40	1	32	2.13	-2.03	0.66	0.0	11	14	11	6
Stevensville	Queen Annes	12	11	65.0	+1.0	90	22	37	1	34	4.80	+0.96	1.62	0.0	11	11	16	4 se.
Takoma	Montgomery	320	39	65.7	+2.7	93	22	36	1	38	3.87	+0.67	0.90	0.0	12	13	16	2
Western Port	Allegany	1,000	44	61.8	-0.2	95	+31	35	11	48	3.59	-0.02	0.75	0.0	13			Guy L. Seaman
Westminster	Carroll	770	28	62.9	+0.1	91	+22	34	1	38	3.92	+0.51	1.10	0.0	10	17	11	3 sw.
Woodstock	Baltimore	415	68	62.2	-0.9	92	22	30	1	44	2.34	-0.97	0.69	0.0	11	18	10	3 nw.
<i>Dist. of Columbia</i>																	Woodstock College	
Washington**		72	67	65.8	+2.1	91	22	40	1	32	4.02	+0.32	1.13	0.0	12	11	14	6 nw.
<i>Delaware</i>																	U. S. Weather Bureau	
Bridgeville	Sussex	45	47	62.5	-0.8	88	22	33	1	37	4.48	+1.08	1.90	0.0	11	19	10	2 s.
Delaware Breakwater	do	10	2	62.0		83	+27	45	1	23	2.39		0.86	0.0	12	18	11	2 sw.
Delaware City	New Castle	10	51	65.2	+2.1	91	22	40	1	35	3.10	+0.16	0.89	0.0	8	19	9	3 nw.
Dover	Kent	34	48	64.3	+0.8	90	22	38	1	34	3.71	+0.26	1.46	0.0	13	19	10	2 nw.
Melford	Sussex	20	45	65.9	+1.0	92	22	33	1	40	5.50	+2.05	1.62	0.0	11	17	12	2 sw.
Millsboro	do	20	45	63.6	+0.6	90	22	32	1	42	3.90	+0.67	1.24	0.0	11	19	10	2 s.
Odessa	New Castle	15	1	64.8		92	22	37	1	38	3.05		1.50	0.0	9	19	10	2 w.
Wilmington	do	42	44	63.8	+0.7	90	22	37	1	36	2.61	-0.63	0.87	0.0	11	17	11	3 nw.
Wilmington	do	260	26	63.8	+0.7	90	22	37	1	36	2.37	-0.87	0.78	0.0	12	17	11	3 nw.
Means and extremes: For Maryland and District of Columbia.				63.1	+0.7	95	31	27	11	48	3.42	0.00	3.90	0.0	11	16	12	3 sw.
For Delaware				63.9	+0.8	92	22	32	1	42	3.61	+0.29	1.90	0.0	11	18	11	2 nw.
For entire section				63.2	+0.7	95	31	27	11	48	3.44	+0.03	3.90	0.0	11	16	12	3 sw.

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.

Data in italics determined from surrounding stations.

† Post addresses of these stations are as follows: Of Bell, Glenndale; of Coleman, Worton; of Falston, Bagley, of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg, of Picard, Paw Paw, W. Va.; of Pleasant Hill, Owings Mills; of Sines, Oakland.

\*\*Weather Bureau Building, 24th and M Sts. Also on other dates.

MAY 1937

## CLIMATOLOGICAL DATA: MARYLAND AND DELAWARE SECTION

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## Daily Precipitation for May 1937

Stations	Drainage basin	Day of month																													Total		
		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	
<i>Maryland</i>																																	
Aberdeen**	Atlantic	.06	.17	.28	.03	T.	.12	.82	.03	.06	.05	T.	T.	.	L. 10	.21	.	.	.03	.16	.79	.	.	.	.	.	.	.	.	.	3.91		
Annapolis**	do.	.08	.13	.71	.05	T.	.11	.74	.02	.15	.09	.01	.01	.	.54	.10	.	.	.57	.48	T.	.	.	.	.	.	.	.	.	3.79			
Baltimore**	do.	.05	T.	.06	.03	.	.34	.69	.01	.22	T.	.01	.	.	.48	.02	.	T.	.02	.44	T.	.	.	.	.	.	.	.	3.27				
Bell.	do.	.08	.17	.12	.	T.	.88	.06	.	.13	T.	.03	.	T.	.79	.12	.	T.	.02	.44	T.	.	.	.	.	.	.	.	2.84				
Cambridge(near)	do.	*	.55	T.	.	T.	*	1.10	.	.53	.	.34	.	.	.15	.90	.40	.	.	T.	.81	T.	.	.	.	.	.	.	4.78				
Charlotte Hall	do.	.20	.37	T.	.	.	.33	*	.	.13	.	.31	.	L. 13	.75	T.	.	.	T.	.67	T.	.	.	.	.	.	.	.	3.89				
Chesterham III	do.	.08	.02	.17	.49	.08	.	.25	.	.83	T.	.45	T.	T.	.	1.73	.12	.	T.	.70	.32	.	.	.	.	.	.	5.09					
Chestertown**	do.	.12	T.	.38	.25	.	.25	.	.83	T.	.45	T.	T.	.	1.10	.02	.	.	.28	.25	.81	T.	.	.	.	.	.	.	4.74				
Chewsville	do.	.12	.16	.33	.04	.	.27	.14	.01	.10	.	.12	.	.	.09	T.	.	.	.07	.28	.62	T.	.	.	.	.	.	.	2.35				
Coleman	do.	*	.46	.07	.	T.	1.10	.22	.	.20	T.	.	.	.	.26	.56	T.	.	12	T.	.17	.08	.	.	.	.	.	.	3.24				
College Park	do.	*	.29	.14	.	T.	1.10	.09	.	.26	T.	*	.	.	.29	.62	.10	.	T.	*	.85	.01	.	.	.	.	.	.	3.75				
Conowingo Dam III	do.	.05	.30	T.	.30	.03	.	T.	.47	.55	.01	.22	T.	.06	.	.18	.03	.	.	.09	.21	T.	.	.	.	.	.	.	2.48				
Crisfield	do.	.07	.25	T.	.	T.	.74	.28	.	.06	*	.	*	.	*	*	*	.	.	T.	.20	.30	T.	.	.	.	.	.	3.40				
Cumberland III	do.	.83	T.	.08	T.	.	.35	T.	.11	.18	.05	.	.	.	.	.15	T.	.	.	.42	.25	.	.	.	.	.	.	2.45					
Darlington	do.	T.	.35	.15	.15	.	T.	.50	.50	.	.20	T.	T.	.	.	.10	T.	.	T.	.20	.30	T.	.	.	.	.	.	2.45					
Dundalk**	do.	.03	.02	.10	T.	.	.30	.70	T.	.28	T.	.01	.01	.	.86	T.	.	.	.39	.65	.05	.	.	.	.	.	.	6.91					
Easton	do.	.75	.35	.05	.	T.	.60	.73	.	.10	.	.33	.	.	.83	V.	.	.	T.	.38	T.	.	.	.	.	.	4.29						
Elkton	do.	.28	.28	.17	.	T.	.85	.08	.	.22	.	.02	.	.	.12	.48	T.	.	T.	.11	T.	.	.	.	.	.	.	2.61					
Emmitsburg	do.	T.	.12	.51	T.	.	.04	.39	T.	.27	.	.12	.	.	.	.05	.05	.04	T.	.	.	.	.	.	.	.	1.59						
Fallston	do.	T.	.48	.10	.11	.	.01	.75	.12	.	.19	T.	.	.	.	.37	T.	.	.19	T.	.14	.10	.	.	.	.	.	2.61					
Ferry Landing	do.	.19	.83	.06	.	T.	.70	.05	.	.04	.	.47	.	.	.86	.10	.19	.	T.	.60	T.	.	.	.	.	.	4.09						
Frederick	do.	T.	.09	.90	T.	.	.	.36	.62	.03	.10	.	.	.	.	.03	.01	.	T.	.03	.04	T.	.	.	.	.	.	3.32					
Friendsville	Ohio	*	.70	.55	*	.	T.	.12	.14	*	T.	.35	T.	*	.	.15	T.	.	T.	.10	.53	.	.	.	.	.	3.74						
Frostburg	Atlantic	.15	.57	.29	.02	.	.00	.29	T.	.35	.06	.07	.05	.	.	.22	T.	.	.	.30	.37	.80	.	.	.	.	.	3.78					
Great Falls III	do.	.07	.24	.28	.14	.13	.	.40	.60	.	.13	T.	.04	.	.	.60	.13	.	T.	.39	T.	.	.	.	.	.	3.15						
Hancock (City) III	do.	.75	.05	.14	T.	.02	.	.18	.93	.	.13	.12	.16	.	.	.35	T.	.	.	.49	.29	.03	.	.	.	.	.	2.77					
Hancock (Tonawaway)	do.	.20	.50	.11	.01	.	.19	.03	T.	.28	.	.17	.	.	.19	.01	.	.	.16	.15	.15	01	.	.	.	.	.	2.16					
Huntingtown	do.	.18	.48	.09	.	.	.33	.26	.03	.	.04	.	.11	.	.	.02	T.	.	T.	.12	.16	T.	.	.	.	.	.	3.37					
Kedysville	do.	.18	.80	.06	.	T.	.76	.08	.	.40	.	.32	.	.	.40	.16	.16	T.	.68	T.	.	.	.	.	.	.	4.30						
La Plata	do.	.12	.16	.17	.	T.	.70	.02	.	.13	.01	.01	.	.	.08	.76	.07	.	T.	.01	.29	T.	.	.	.	.	.	2.52					
Laurel	do.	*	.20	T.	.	.	T.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3.45					
Lutherville	do.	T.	*	.65	.55	*	.	T.	.12	.14	.	T.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.78						
Maryland Line	do.	.07	.21	.04	.	T.	.00	.05	.26	.	.12	T.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.60							
Millington	do.	.70	.07	.01	.02	.01	.	.52	.01	.01	T.	.32	.01	.01	.	.39	.03	.	.	.20	.71	.14	.	.	.	.	.	3.16					
Mt. Savage Summit §	do.	.10	.66	.09	.	.	.60	*	.20	T.	.27	T.	.	.	.	.	.	.	.	.	.	.	.	.	.	4.42							
Oakland	Ohio	.10	.66	.09	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.25						
Parkton§§	Atlantic	T.	.08	.08	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4.30						
Perryville III	do.	.06	.21	T.	*	.40	.	T.	.84	.63	T.	.26	T.	.	.	.	.	.	.	.	.	.	.	.	.	2.06							
Pleasant	do.	.20	.25	.05	T.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3.34							
Princess Anne	do.	T.	.05	.14	T.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4.25							
Ridgely	do.	.07	.30	.10	.	T.	.64	.55	.	.15	.	.15	.	.	.	.	.	.	.	.	.	.	.	.	.	4.10							
Roch Hall	do.	.08	.60	.02	T.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.34							
Salisbury	do.	*	.12	.09	T.	.	T.	.70	.29	.	.03	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4.41							
Sines**	Ohio	.65	.24	.48	.06	.	.30	.08	.05	.22	T.	.08	.	.	.	.	.	.	.	.	.	.	.	.	2.60								
Snow Hill	Atlantic	.10	.36	T.	.	.	T.	.30	.30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4.02							
Solomons	do.	.22	.36	T.	.	.	T.	.12	.04	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.13							
State Sanatorium	do.	T.	.13	.28	.05	.	T.	.66	.04	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4.80							
Stevensville	do.	T.	.20	.85	.15	.	T.	.90	.10	.	.07	.	.	.	.	.	.	.	.	.	.	.	.	.	3.57								
Takoma	do.	.18	.25	.15	.	T.	.36	*	.86	.	.21	T.	.06	.	.	.	.	.	.	.	.	.	.	.	3.59								
Western Port	do.	.30	.45	.08	T.	.	T.	.73	.06	.05	.50	.05	.25	.	.	.	.	.	.	.	.	.	.	.	3.92								
Westminster	do.	T.	.31	.62	.05	T.	.82	.52	T.	.18	.12	T.	.	.	.	.	.	.	.	.	.	.	.	2.61									
Woodstock	do.	T.	.08	.06	T.	.	T.	.07	.54	.14	.19	T.	.	.	.	.	.	.	.	.	.	.	.	2.37									
<i>District of Columbia</i>																																	
Washington***	Atlantic	.09	T.	.	.21	.	.10	.	.55	.63	.	.03	T.	.	.05	T.	.	.00	.19	.	.	.04	.81	.32	.	.	.	.	4.02				
<i>Delaware</i>																																	
Bridgeville	Atlantic	.35	.19	T.	.	.	T.	.10	.25	.65	.	.10	.	.	.35	T.	.	.	.59	.39	.	.	.	.	.	.	.	.	.	4.48			
Delaware Breakwater	do.	.15	.01	T.	.21	.	T.	.10	.28	.58	.	.06	.	.	.48	T.	.	.	.14	.48	.	.	.	.	.	.	.	.	2.39				
Delaware City	do.	.02	.12	.14	.	T.	.53	.80	.	.09	T.	.	.	.	.	.	.	.	.	.89	T.	.	.	.	.	.	.	3.10					
Milford	do.	.11	.27	.06	.	T.	.70	.92	.	.17	.	.40	.	.	.	.	.	.	.	.152	.84	.	.	.	.	.	.	5.50					
Millsboro	do.	.10	.20	T.	.	.	T.	.10	.37	.57	.	.05	.	.	.	.	.	.	.	.09	.24	.	.	.	.	.	.	3.90					
Odessa	do.	.03	.25	.15	.	T.	.1*	.50	.	.03	T.	.	.	.	.	.	.	.	.	.75	T.	.	.	.	.	.	.	3.05					
Wilmington §§§	do.	*	.14	.12	.20	.	T.	.87	.48	.10	.</td																						

## Daily Temperatures for May 1937—Continued

Stations	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>Maryland</i>																																
Aberdeen.....	71	77	73	75	78	72	71	66	72	66	71	75	84	67	66	70	74	72	69	70	77	90	81	80	82	83	85	82	81	86	84	75.8
	37	45	44	51	59	54	52	53	51	40	45	65	59	49	48	54	50	53	45	50	60	64	56	59	65	62	60	61	64	53.8		
Annapolis.....	66	72	72	71	74	73	68	64	70	67	70	71	84	68	68	76	73	71	69	79	87	81	80	79	82	89	78	79	83	84	74.7	
	50	45	50	55	59	51	55	53	52	52	52	58	54	53	58	52	56	46	52	56	61	64	63	65	61	61	64	62	64	56.4		
Baltimore (U.S.W.B.).....	74	73	70	75	79	74	71	64	77	74	75	86	67	68	73	75	73	70	78	94	83	82	79	88	87	81	78	85	89	80	76.9	
	45	50	49	53	54	51	53	58	53	49	53	64	58	53	56	55	54	49	55	61	65	66	66	62	64	66	62	64	56.8			
Bell.....	72	74	71	78	82	76	73	72	75	71	72	78	86	83	69	73	75	72	70	78	93	84	80	81	86	85	87	79	85	87	78.1	
	30	37	37	36	44	57	48	43	44	52	34	40	61	61	53	49	51	41	51	58	54	51	61	67	52	61	55	53	48.9			
Cambridge (near).....	69	73	73	78	77	77	74	73	74	72	69	74	83	76	68	71	76	74	70	71	78	90	84	80	83	88	80	81	85	84	77.3	
	35	40	45	50	53	53	49	50	51	41	42	64	60	56	46	55	51	55	53	54	58	60	63	65	60	64	61	59	57	53.7		
Cheltenham <sup>§§</sup> .....	70	72	70	76	80	75	73	62	74	67	72	77	83	64	68	74	76	70	69	78	92	82	84	89	80	77	85	85	85	75.9		
	33	40	41	41	51	57	47	48	56	39	47	59	62	54	43	54	45	51	45	46	53	53	56	54	56	51	58	52	51	52.1		
Chestertown.....	74	74	75	78	72	75	73	66	73	70	75	76	84	65	66	72	76	75	71	70	78	93	82	83	85	80	86	87	77	83	73	
	36	41	44	44	48	58	51	47	49	48	40	46	61	57	49	44	54	48	54	46	46	56	61	58	52	62	58	50	51	51.6		
Chewsville.....	65	73	70	73	76	64	66	61	73	63	69	71	80	65	64	62	63	65	63	69	75	86	82	88	71	72	71	76	88	71.2		
	35	37	39	37	49	54	37	47	40	46	34	34	46	62	56	46	39	48	39	49	53	56	44	48	61	63	58	57	53	47.3		
Coleman.....	73	74	73	78	77	73	74	64	75	75	74	84	75	62	72	74	74	70	70	78	91	80	79	83	85	80	80	86	85	76.8		
	39	43	43	45	46	58	52	50	50	51	42	46	61	58	50	48	54	53	54	48	51	60	57	57	60	61	58	58	59	52.5		
College Park.....	71	75	71	78	82	78	72	75	73	78	79	85	80	68	72	75	72	71	70	77	92	82	80	82	86	89	89	80	85	87	78.1	
	32	39	39	36	43	58	43	45	46	54	37	40	62	60	53	42	53	53	54	57	53	59	67	63	62	55	62	50	54	50.4		
Conowingo Dam.....	73	73	73	77	79	70	66	61	73	66	74	76	83	65	64	70	74	72	70	69	76	93	82	79	83	80	84	84	80	84	84	75.2
	41	45	44	39	45	55	53	50	53	39	41	57	52	48	50	48	52	44	51	57	52	50	58	53	59	62	52	51	51.1			
Crisfield.....	70	68	70	71	77	78	75	71	73	70	74	82	74	72	73	78	78	..	..	..	..	..	..	..	..	..	..	..	..			
	38	42	44	48	53	50	52	51	51	45	51	64	62	57	51	58	53	53	57	51	58	53	53	57	51	58	53	57	53	75.6		
Cumberland <sup>§§</sup> .....	77	80	77	85	80	76	74	66	78	71	77	88	80	68	70	77	76	75	70	82	93	81	81	87	88	86	87	87	86	87	86.6	
	38	41	41	41	52	54	40	50	42	46	36	41	52	57	52	41	45	38	49	41	42	52	49	45	47	57	61	58	50	56	47.8	
Darlington.....	72	78	77	76	79	72	73	68	72	72	76	80	85	72	71	73	70	76	81	80	81	81	85	88	87	86	87	86	87	86.5		
	38	42	43	41	43	47	54	44	48	41	48	51	40	41	56	61	51	45	51	43	46	54	54	48	54	62	57	57	57	49.9		
Dundalk.....	72	70	75	70	72	72	69	63	73	67	71	82	73	62	66	71	72	69	71	70	81	92	80	79	84	86	85	86	87	85.9		
	40	45	45	46	50	50	53	48	51	47	50	63	59	54	50	56	55	57	54	57	54	59	65	64	62	63	64	63	64	63	54.7	
Easton.....	70	72	74	76	80	76	72	72	74	77	75	83	71	67	72	73	73	71	68	77	92	83	82	83	86	86	86	86	86	86	86.8	
	35	39	41	41	50	59	51	42	47	54	42	45	63	58	53	45	56	51	53	48	50	58	54	54	56	54	56	56	56	56	51.8	
Elkton.....	74	74	77	76	80	75	65	75	78	76	73	83	76	66	72	75	74	70	70	74	94	85	80	80	83	84	80	85	86	87	87.2	
	33	40	40	39	43	59	52	45	52	37	42	60	50	43	53	44	53	40	44	41	46	57	55	60	57	60	55	58	50.1			
Emmitsburg.....	70	71	72	72	72	74	74	68	73	70	75	86	71	65	70	76	67	67	66	65	65	75	88	80	81	84	85	88	84	88	84	74.8
	39	46	43	46	51	51	47	45	44	48	40	47	58	46	47	54	47	49	47	47	50	54	53	56	53	56	53	52	52	52.0		
Fallston.....	71	73	73	76	78	73	72	70	73	72	74	83	72	67	72	77	74	70	76	71	78	95	80	79	85	86	85	86	85	86	85.6	
	37	42	43	47	49	57	50	48	49	49	46	48	60	56	49	46	45	51	41	48	56	56	56	60	56	56	56	56	56	51.6		
Ferry Landing.....	72	71	70	76	81	75	74	67	70	72	77	84	77	70	72	76	74	70	70	79	93	85	80	82	84	85	82	87	87	87	77.1	
	35	43	44	43	52	57	49	50	50	44	51	48	54	54	46	56	54	52	45	52	50	56	56	56	59	59	59	59	59	53.4		
Frederick.....	71	78	76	80	75	72	71	76	75	74	78	84	74	68	72	75	74	72	71	77	80	82	83	88	85	85	85	85	85	85.3		
	34	41	40	40	47	55	46	44	49	49	38	44	57	58	50	44	49	41	51	46	49	54	58	56	56	56	56	56	56	49.8		
Friendsville.....	65	71	67	75	72	60	63	57	69	55	68	80	73	58	57	63	62	60	62	70	84	84	80	84	85	80	84	85	80	87.0		
	33	38	39	40	45	43	45	38	44	37	40	53	45	38	42	37	45	40	41	43	45	47	45	47	45	47	45	47	45	42.6		
Frostburg.....	65	68	70	70	76	60	66	64	70	65	68	81	68	61	68	70	65	67	63	65	76	80	85	82	87	85	86	87	85	86	87.8	
	39	47	42	42	49	39	46	43	46	37	36	52	37	36	45	46	40	37	43	45	46	47	45	46	47	45						