

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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VOL. XLII BALTIMORE, MD., APRIL 1937 No. 4

GENERAL SUMMARY

This month was slightly cooler than normal and unusually windy. The average rainfall was the greatest in April since 1929. Monthly snowfall was very light. Monthly rainfall in Washington (except the Chewsville district), Frederick, Carroll, and Baltimore (except the southeast portion) Counties was the greatest of record in April. The wet period of the 25-28th caused high or flooding water in all streams and produced a flood on the Potomac River. Monthly sunshine was normal.

Damage by heavy rain, by water, and the Potomac River flood to roads, bridges, and miscellaneous property during the 25-28th was about \$250,000, mostly confined to the divisions west of Chesapeake Bay. The damage to highways in Washington County, for example, was about \$91,000. Little damage was caused by the northeast gale of the 26th.

Snow flurries occurred on the 9th and 16th and light snow fell on the 10th, 11th, and 25th in the Allegheny Mountain region. Snow flurries occurred in the other divisions on the 10th and 11th.

Wheat, rye, and barley were mostly good to excellent, and jointed. Grasses and pastures improved to good. Planting early potatoes, peas, truck crops, and gardens, sowing oats, clover, and tomato seed, and bedding sweet potatoes were in progress, except in the Allegheny Mountain region. Early potatoes and peas planted over the southern half of the section and early sown oats in eastern and central divisions came up to good stands. At the close of the month fruit trees were blooming or were in full bloom, except in bud in the Allegheny Mountain region and past bloom over the southern Eastern Shore. Some peach and pear blossoms in Washington County were damaged by frost and freezing temperatures during the night of 16-17th. — J. B., jr.

THE POTOMAC RIVER FLOOD OF APRIL 1937

The storm producing the heavy rains of April 24-27, inclusive, appeared over the South-eastern States on the 24th and moved northeastward with increasing intensity to North Carolina, but further movement was blocked by an abnormally persistent area of high barometric pressure which had previously moved southward over the North Atlantic States from the Hudson Bay region. With the storm remaining nearly stationary for 48 hours with its center near the Virginia-North Carolina border conditions were favorable for continuous rain over the region immediately to the north until finally the disturbance began to lose energy.

The area of heaviest precipitation extended approximately from central North Carolina northward into western Pennsylvania. The rain began over most of this area on the night of the 24th and did not cease until the evening of the 27th in the Maryland area. The heaviest rainfall occurred on the 25th and 26th; Clear Spring, Md., reported 5.84 inches for the 24 hours ending 5 p.m. of the 26th, and Riverton, Va., reported 5.12 inches for the 24 hours ending 8 a.m. April 26th. Amounts in excess of seven inches during the period April 24-27, inclusive, occurred over portions of the James, Rappahannock, and Potomac Basins; Clear Spring, Md., reported a total amount of 11.62 inches within a period of approximately 72 hours.

The heavy rainfall caused the third greatest flood of record in the Potomac River, being exceeded only by the great floods of 1889 and 1936. The 1937 stages were greater than those of 1924, except in the Shenandoah River and in the Potomac River above Hancock, Md., where the 1924 stages exceeded those of this year.

It is impracticable at this time to give an estimate of flood losses in the Potomac Basin but it is safe to assume they were much less than in March, 1936. Practically all of the towns along the river were inundated to some extent. Roads were damaged, several

TEMPERATURE

The monthly mean for the section, 51.2°, is 0.9° below normal. The highest monthly mean was 55.2° at Cambridge; the lowest, 42.8°, at Mt. Savage Summit. The highest temperature, 94°, occurred at Great Falls and Takoma on the 18th; the lowest, 19°, at

Oakland on the 1st. The greatest local monthly range was 69° at Bell and Great Falls; the least, 39°, at Delaware Breakwater. The greatest daily range was 54° at Bell on the 18th.

PRECIPITATION

The monthly average for the section, 6.33 inches, is 2.93 inches above normal. The greatest monthly amount was 12.99 inches at Clear Spring; the least, 3.59 inches, at Delaware Breakwater. The greatest 24-hour amount was 5.84 inches at Clear Spring on the 25-26th. The monthly average snowfall for the section, 0.1 inch, is 1.0 inch below normal. The greatest monthly snowfall was 2.2 inches at Mt. Savage Summit. The average number of days with 0.01 inch or more of precipitation, 12, is 1 above normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light. — 2 to 6, 8, 9, 13, 16, 20 to 22, 24 to 29. Fogs, dense. — Clear Spring, 5; Baltimore and Harford Counties, 6; Mt. Savage Summit, 3, 4, 5, 8, 9, 21, 22, 24, 25, 26, 27; Takoma, 21. Frosts. — 1, 11, 12, 13, 17. Thunderstorms. — 7, 8, 15, 18, 22, 27. Tides, high. — Chesapeake Bay and on the coast, 5-6 and 25-26. Winds, high. — Northerly, 16; northeast, 12, 21, 25-26, 29; southerly, night 5-6; southwest, 2, 14, 15; northwest, 9, 10, 11, 18, 22.

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	8 a. m.	Local n'h	8 p. m.			
Aberdeen, Md.	30.45	4	29.53	9	12.9	46	ne.	26	71	58	64	50	402	
Annapolis, Md.	30.45	30	29.52	9	11.5	...	...	70	70	67	60	50	376	
Baltimore, Md.	30.47	30	29.51	9	13.5	43	ne.	26	67	49	56	54	354	
Edgewood, Md.	30.47	30	29.50	9	...	36	ne.	26	...	...	...	...	439	
Elkins, W. Va.	30.51	12	29.55	21	8.3	34	w.	15	76	56	60	48	458	
Harrisburg, Pa.	30.47	30	29.53	15	9.2	38	sw.	14	67	50	53	52	455	
Norfolk, Va.	30.42	30	29.45	9	12.4	35	se.	26	74	50	61	67	251	
Philadelphia, Pa.	30.50	4	29.53	9	15.2	40	s.	6	67	49	55	54	461	
Pittsburgh, Pa.	30.43	12	29.51	21	13.3	43	w.	15	76	63	62	58	455	
Washington, D. C. ...	30.47	30	29.50	9	9.2	24	e.	26	69	48	53	57	355	

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	No. of days with 0.1 in. or more
1896	52.4	59	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	50.3	86	6	2.67	2.4	11	50.1	82	21	3.00	1.8	12
1899	53.1	94	14	1.60	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	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	2.35	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.	14	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.	11
1910	55.9	92	20	5.58	0.2	12	57.1	87	26	3.85	0.0	9
1911	48.9	88	0	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	2.83	T.	11
1913	53.9	90	11	4.41	T.	10	55.2	83	29	5.14	T.	10
1914	51.5	89	13	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	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	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	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	94	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	0.0	12
1931	51.3	84	18	3.05	1.6	9	51.9	78	28	3.31	T.	8
1932	50.3	84	16	2.18	0.4	8	51.6	80	29	2.52	T.	9
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	49.5	90	11	2.82	0.3	11	51.2	85	28	3.01	T.	12
1937	51.1	94	19	6.52	0.2	12	52.3	88	28	6.19	T.	11
Period	52.0	102	-3	3.45	1.3	10	52.6	99	11	3.46	0.6	10

Climatological Data for April 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	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	With precipitation in. or more	Clear	Partly cloudy			Cloudy
Maryland																				
Aberdeen	Harford	26	19	51.7	+0.6	84	18	29	1	40	4.17	+0.82	1.53	T.	11	5	11	14	ne.	U. S. Army
Annapolis	Anne Arundel	45	72	52.5	-0.9	79	18	33	11	31	5.56	+1.86	1.61	T.	12	7	12	11	nw.	U. S. Navy
Baltimore	Baltimore	14	67	53.2	-0.4	84	18	34	11	37	7.92	+4.58	3.99	T.	13	6	10	14	ne.	U. S. Weather Bureau
Bell	Prince Georges	151	17	52.4	0.0	92	18	23	1	54	9.09	+5.17	4.77	T.	12	8	11	11	ne.	Bureau Plant Industry
Boys	Montgomery	375	18																	Ralph F. Staley
Cambridge (near)	Dorchester	13	44	55.2	+0.5	85	18	31	1	40	5.63	+1.97	2.40	T.	12	14	4	12	nw.	Matt Harding
Charlotte Hall	St. Marys	167	16								6.93	+3.15	3.02	T.	12	14	5	11	nw.	Prof. R. F. Crowson
Cheltenham	Prince Georges	230	37	52.0	-2.3	92	18	28	11	49	7.86	+4.02	2.93	T.	12	9	10	11	nw.	U. S. Magnetic Obs'y.
Chesertown	Kent	35	32	52.9	+0.9	90	18	31	1	48	5.48	+2.78	2.28	T.	12	8	14	8	nw.	Thomas W. Eliason, Jr.
Chesville	Washington	630	40	47.5	-3.1	87	18	23	12	44	4.81	+1.88	2.12	T.	13	9	9	12	nw.	D. Paul Oswald
Clear Spring	do.	560	40	49.6	-1.0	87	18	27	12	42	12.99	+0.63	5.84	T.	13	12	5	13	w.	Mrs. Anna Bevan Cohill
Coleman	Kent	80	40	52.6	-0.4	86	18	34	11	46	4.68	+1.24	1.85	T.	9	9	12	9	nw.	Walter R. Harris
College Park	Prince Georges	160	50	53.0	0.0	92	18	26	1	53	7.17	+3.75	3.52	T.	11	10	9	11	nw.	Thos. H. White
Conowingo Dam	Harford	40	2	50.4		81	18	26	1	39	5.33		1.48	T.	11	6	11	13		Susquehanna Electric Co.
Crisfield	Somerset	5	18					38	11		6.01	+2.43	2.60	T.	13					Arthur B. Cochran
Cumberland	Allegany	623	65	50.4	-1.7	87	18	28	1	49	5.97	+2.88	3.33	T.	15	9	8	13	nw.	Paul J. Stein
Darlington	Harford	360	47	51.4	0.0	85	18	27	13	44	5.59	+2.23	2.00	T.	10	5	12	13	nw.	Fred. C. Jones
Dundalk	Baltimore	12	3	52.6		81	18	35	11	35	7.89		3.70	T.	15	5	13	12	nw.	U. S. Airway Station
Easton	Talbot	35	47	52.9	-0.4	88	18	29	1	46	5.65	+2.29	2.13	T.	13	12	7	11	nw.	Clement E. Bray
Edgewood	Harford	29	2	50.3		80	18	31	13	35	4.81		1.50	T.	12					U. S. Army
Elkton	Cecil	28	11	51.2	+0.2	85	18	27	1	46	4.34	+0.81	1.70	T.	10	9	10	11	nw.	H. W. Bouchelle
Emmitsburg	Frederick	720	69	49.8	-2.0	84	18	30	11	39	10.82	+7.30	3.72	T.	12	10	7	13	nw.	Mt. St. Mary's College
Fallston	Harford	450	68	51.4	+0.7	93	18	30	11	39	6.45	+2.77	2.04	T.	12	5	13	12	nw.	Miss Dora Curtiss
Ferry Landing	Calvert	120	21	53.9	+0.4	92	18	32	11	47	6.23	+2.51	3.12	T.	13	13	4	13	nw.	Thos. J. Bourne
Frederick	Frederick	325	63	51.6	-1.3	89	18	28	11	48	6.44	+3.05	2.70	T.	12	10	8	12	nw.	August T. Brust
Friendsville	Garrett	1,980	19	46.0	-1.7	78	18	23	11	39	5.22	+1.73	1.40	1.5	17	8	6	16		Joab J. Friend
Frostburg	Allegany	1,950	36	47.0	-2.7	80	18	27	11	39	7.07	+3.29	3.60	0.5	15	9	6	15	w.	Thos. F. Lewis
Grantsville	Garrett	2,320	44	44.0	-2.0	74	18	23	1	43	6.29	+2.52	1.37	1.5	19	7	6	17	w.	Floyd J. Miller
Great Falls	Montgomery	200	45	52.6	-0.5	94	18	25	17	53	5.94	+2.72	2.20	T.	9	10	9	11	nw.	Chas. E. Sullivan
Hancock (City)	Washington	540	13								8.18	+4.75	4.00	T.	14					Marvin K. Murray
Hancock (Tonoloway)	do.	550	27	48.8	-3.0	87	18	21	1	50	7.62	+4.19	3.77	T.	14	12	5	13		American Fruit Growers
Huntingtown	Calvert	160	2	53.2		92	18	31	11	48	5.76		2.80	T.	13	14	4	12	nw.	Elmer O. Bowen
Keedysville	Washington	420	33	50.0	-2.9	91	18	25	11	42	6.78	+3.61	3.38	T.	13	12	6	12	nw.	J. A. Miller
La Plata	Charles	190	23	53.8	-0.7	92	18	28	11	48	6.96	+3.35	2.12	T.	13	10	9	11	nw.	Walter M. Page
Laurel	Prince Georges	300	43	51.8	-0.8	91	18	27	11	51	8.34	+4.73	4.42	T.	13	9	10	11	nw.	Evan G. Chaney
Lutherville	Baltimore	340	11	51.4	+1.8	90	18	24	1	48	8.95	+4.12	3.50	T.	11	11	7	12	nw.	Clarence J. Thomson, Jr.
Maryland Line	do.	840	13	49.9	+0.1	86	18	31	11	46	6.16	+2.81	2.10	T.	11	10	7	13	nw.	Chester L. Fulton
Millington	Kent	27	40	53.6	+0.4	87	18	28	13	45	4.72	+1.20	2.33	T.	10	9	13	8	nw.	Henry L. Hignam
Mt. Savage Summit	Garrett	2,852	5	42.8		76	18	20	12	37	7.64		3.85	2.2	18	7	6	17	nw.	U. S. Airway Station
Oakland	do.	2,420	38	44.4	-1.8	79	18	19	1	47	4.85	+0.93	1.25	2.1	17	7	7	16	w.	R. E. Weber
Parkton	Baltimore	780	7	49.7		86	18	30	11	45	4.67		2.46	T.	12					C. W. Hendrix
Perryville	Cecil	40	2								4.69		1.55	T.	10					J. H. Tullis
Picardy	Allegany	1,030	11	49.4	-1.0	85	18	26	12	40	6.89	+2.84	3.25	T.	12	12	6	12	w.	American Fruit Growers
Pleasant Hill	Baltimore	660	13								7.30	+3.20	3.10	T.	12	11	7	12	nw.	Harry E. Bennett
Princess Anne	Somerset	17	62	53.8	-0.2	84	18	30	13	44	5.85	+2.34	2.25	T.	11	8	13	9	nw.	James R. Stewart
Ridgely	Caroline	57	47	53.3	+0.3	85	18	31	1	44	4.22	+0.90	1.82	T.	10	9	12	9	nw.	Albert White
Rock Hall	Kent	20	23	53.0	+0.4	84	18	30	1	41	4.71	+1.17	1.90	T.	11	9	11	10	nw.	Charles Judefind
Salisbury	Wicomico	31	32	54.0	-0.1	85	18	31	11	44	5.65	+2.41	2.57	T.	10	12	9	9	nw.	U. S. Airway Station
Sines (Deep Creek)	Garrett	2,030	12	43.4		79	18	20	11	46	5.08	+0.91	1.80	1.0	16	7	6	17		C. E. MacMurray
Snow Hill	Worcester	20	22	53.6	+1.3	86	18	27	13	48	6.00	+2.83	3.00	T.	9	12	9	9	nw.	Richard Leake
Solomons	Calvert	20	46	54.5	+0.5	80	18	35	11	34	6.38	+3.40	3.14	T.	13	14	4	12	nw.	Chesapeake Biological L/b.
State Sanatorium	Frederick	1,460	29	48.3	-2.6	84	18	29	11	39	10.13	+6.61	3.80	T.	12	9	8	13	nw.	Dr. V. F. Cullen
Stevensville	Queen Annes	12	11	53.2	+0.7	83	18	33	1	35	5.73	+1.26	2.50	T.	10	4	15	11	nw.	T. R. Price
Takoma	Montgomery	320	39	53.8	+0.9	94	18	31	12	52	7.85	+4.44	3.50	T.	12	10	9	11		Guy L. Seaman
Western Port	Allegany	1,000	44	50.6	-1.2	85	18	26	1	44	6.38	+3.39	2.15	0.5	17					Norris Bruce
Westminster	Carroll	770	28	49.8	-2.2	89	18	27	1	45	6.42	+3.10	2.56	T.	12	10	8	12	nw.	Harry J. Mathias
Woodstock	Baltimore	415	68	50.7	-1.6	91	18	24	1	52	6.96	+3.64	3.11	T.	12	11	7	12	nw.	Woodstock College
Dist. of Columbia																				
Washington		72	67	53.4	+0.1	93	18	34	12	45	6.85	+3.58	2.93	T.	12	7	12	11	nw.	U. S. Weather Bureau
Delaware																				
Bridgeville	Sussex	45	47	52.4	-0.7	81	18	30	1	41	6.74	+3.44	2.84	T.	12	14	8	8	nw.	William M. Ray
Delaware Breakwater	do.	10	2	51.0		75	115	36	11	31	3.59		1.50	T.	13	11	11	8	nw.	U. S. Airway Station
Delaware City	New Castle	10	51	52.5	+0.4	77	18	32	1	36	4.92	+1.78	1.63	T.	10	10	10	10	nw.	James E. Maden
Dover	Kent	34	48	52.4	-0.7	82	18	31	1	41	5.05	+1.53	2.13	T.	10	9	14	7	nw.	Arthur G. Livingston
Millford	Sussex	20	55	53.4	-0.3	88	18	29	1	47	6.14	+2.52	2.71	T.	10	9	13	8	nw.	Chas. J. Holzmueller
Millsboro	do.	20	45	53.2	+0.4	88	18	28	1	50	5.35	+1.73	2.25	T.	10	14	8	8	nw.	Wm. T. Moore
Wilmington	New Castle	42	44								4.68	+1.26	2.18	T.	10	10	10	10	nw.	Street Department
Wilmington	do.	260	26	51.0	-1.4	77	118	31	11	35	4.41	+0.99	2.00	T.	11	10	10	10	nw.	Water Department
Means and extremes:																				
For Maryland and District of Columbia.				51.1	-0.9	94	18	19	1	54	6.52	+3.07	5.84	0.2	12	9	9	12	nw.	
For Delaware.				52.3	-0.3	88	18	28	1	50	5.19	+1.73	2.84	T.	11	11	11	8	nw.	
For entire section.				51.2	-0.9	94	18	19	1	54	6.38	+2.93	5.84	0.1	12	9	9	12	nw.	

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. T. Precipitation is less than 0.01 inch rain or melted snow.
 †Post addresses of these stations are as follows: Of Bell, Glendale; of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Picardy, Paw Paw, W. Va

Daily Precipitation for April 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				
Maryland																																				
Aberdeen**	Atlantic.	T.				.57	.34			.16	.06	T.	T.			T.	.01	.01			T.	T.					.70	.83			.15	.32	1.08		4.17	
Annapolis**	do.	T.				.61	.17	T.		.14	.13	T.	T.			T.	.06	.01			T.	.07					.90	.46			.99	1.61	.41	T.	5.56	
Baltimore***	do.		.01			1.12	.09		.06	.14	T.	T.				T.	.03	.04			.02	T.					.83	.75			.61	.74	.48		7.92	
Bell	do.		T.			.43	.49	T.		.26	.01	T.				T.	.06	T.			.01						.76	1.11			.57	.47	.17	T.	9.09	
Boys	do.																																			
Cambridge (near)	do.		T.			.55	.50	.20	T.	.44	.03	T.					T.	.10	T.		T.						.35	.40			.46	.24	*	.20	5.63	
Charlotte Hall	do.		T.			.49	.36	.04	.11	.48	.04	T.					.05	.06	T.		T.						.46	.31			.90	.02	.21	.40	6.93	
Chesterham III	do.		T.			T.	1.02	.09	*	.25	.12	T.					T.	.18	T.		T.						.21	.63			.26	.93	1.64	.53	7.86	
Chestertown	do.		.02			.78	.03			.31	T.	T.					.03	T.			.01	T.					.99	.55			T.	2.28	.48		5.48	
Cheswille	do.		T.			.20	.03		.07	.18	T.	T.					.07	.11		T.	.11						.37	.21			.28	.12	.07	.99	4.81	
Clear Spring	do.		T.			.36	*		.24	.06	T.	T.					*	.16			.18						.16	.21			2.05	.84	.68	2.05	12.99	
Coileman	do.		T.			.13	.55	T.		.22	T.	T.					.08	T.			T.						.50	.55			T.	1.85	.05	.35	4.68	
College Park	do.		T.			.33	.43	T.		.22	T.	T.					.14	T.			.01						.50	.63			.62	.35	.42	T.	7.17	
Conowingo Dam III	do.		T.			T.	1.48	T.		.20	T.	T.					.06	.02			T.						.41	.98	.02		*	.35	.30	.51	5.33	
Crisfield	do.		T.			.57	.68	.20	.01	.22	.04	T.					T.	T.	*		T.						1.01	.08			*	*	*	3.20	6.01	
Cumberland III	do.		.05		.07	.27	.12			.32	T.	T.					T.	.10			.14						.16	.33	.02		.20	.33	.25	.52	T.	5.97
Darlington	do.		T.			* 1.22		T.		.32	T.	T.					.06	T.									* 1.29				.10	.00	.10	.50	5.59	
Dundaik**	do.		.01			1.08	.05		.10	.09	T.	T.					.01	.03		.01	.01						.85	.80		.01	.69	.37	.45		7.89	
Easton	do.		T.			.48	.55	.22	T.	.43	.04	T.					.05	.44	T.		T.						.37	.53			.19	.13	.08	.14	5.65	
Edgewood**	do.		T.			.40	.27		.15	.05	T.	T.					.01	.01		T.	T.						.50	1.00			.02	.78	1.00	.62	4.81	
Elkton	do.		T.			.24	.38	T.	.02	.14	T.	T.					.05	T.			T.						.50	.60			T.	1.70	.18	.23	4.34	
Emmitsburg	do.		T.			1.30	.64		.09	.19	T.	T.					.03	.30			T.						*	.77			1.87	.37	.68	1.23	10.82	
Fallston	do.		.02			.44	1.22	T.		.29	T.	T.					.09	.01			T.						.85	.70			.09	.04	.03	.67	6.45	
Ferry Landing	do.		T.			.30	.25	T.		.11	.30	.01					.04	.07	T.		T.						.40	.41			.71	.32	.05	.46	6.23	
Frederick	do.		T.			.28	.18		.05	.06	T.	T.					.10	.22		T.	T.						.63	.30			.95	.27	.24	.73	6.44	
Friendsville	Ohio		T.		.04	.10	.10		.10	.25	.05	T.					.20	.63	T.		.05						.31	.88			1.40	.86	.20	.02	T.	5.22
Frostburg	Atlantic		T.			.45	.16		.12	.30	T.	T.					.22	.12	T.		.15						.32	.26			1.00	.60	.20	.30	7.07	
Grantsville	Ohio		T.		.04	.12	.11		.11	.13	.06	T.					.27	.62	T.		.19	.07					1.17	.33			1.19	.37	.29	.04	.02	6.29
Great Falls III	Atlantic		T.			T.	.68	T.		.30	T.	T.					.03	T.			.19	.07					.38	.49			.24	.20	.38	.44	T.	5.94
Hancock (City) III	do.		T.			.21	.25			.39	.02	T.					.16	.02			.08						.25	.29	.04		.08	.40	.32	1.07	8.18	
Hancock (Tonoloway)	do.		T.			.43	.02		.19	.19	T.	.01					.02	.15			.15						.32	.25			1.05	.37	.38	.69	7.62	
Huntingtown	do.		T.			.43	.20	.05	.10	.40	T.	T.					.08	.08	T.		T.						.35	.45			.23	.80	.28	.31	5.76	
Keedysville	do.		T.			.46	.06		.10	.13	T.	T.					.08	.11	T.		.05						.33	.21			.65	.38	.10	1.12	6.78	
La Plata	do.		T.			.74	.61	.16	.09	.32	.10	T.					.16	.16	T.		T.						.32	.58			1.02	.12	.16	.58	6.96	
Laurel	do.		T.			.46	.51	T.	.08	.13	T.	T.					.08	.03	T.		T.						.49	.74			.72	.42	.24	.48	.01	8.34
Lutherville	do.		T.			.60	1.25	T.	.05	.15	T.	T.					.20	T.			T.						1.20	.85			.25	.35	.10	.80	8.95	
Maryland Line	do.		T.			.53	.60	T.	.05	.15	T.	T.					.24	T.			T.						.68	.77			.12	.10	.05	.87	6.16	
Millington	do.		.01			.15	.37	T.	T.	.30	T.	T.					T.	T.			.01						.75	.50			T.	2.33	.10	.20	4.72	
Mt. Savage Summit	do.		.07			.29	.15		.18	.15	.02	.20					.12	.21	T.		.27	.01					.39	.20			1.34	.65	.35	.02	T.	7.64
Oakland	Ohio		T.		.03	.07	.02		.08	.28	.01	.07					.18	.40	T.		.03	.20					*	.78			1.25	1.23	.20	.02	T.	4.85
Parkton	Atlantic		T.			* 1.20	T.		*	.20	T.	T.					.23	.08			T.						* 1.42				T.	1.72	.46	.71	6.47	
Perryville III	do.		.04			T.	.69	T.		.47	T.	T.					.05	.04			T.						.69	.86	T.		T.	.30	1.30	.25	4.69	
Picardy	do.		T.			.18	.10		.20	.30	T.	T.					.15				.27						.31	.22			1.25	.35	.20	.46	T.	6.89
Pleasant Hill	do.		T.			.45	.80	T.	.05	.10	T.	T.					.05	.20	T.		T.						.70	.50			.25	.10	.50	.60	7.30	
Princess Anne	do.		T.			.70	.96	.14	.05	.16	T.	T.					.50	T.			T.						.61	.13			.13	.25	T.	.22	5.85	
Ridgely	do.		T.			.28	.57	.14	T.	.45	T.	T.					.05	T.			T.						.55	.26			T.	1.82	.02	.08	4.22	
Rock Hall	do.		T.			.26	.62	T.	T.	.25	T.	T.					.05	T.			.02						.90	.28			.12	.10	.05	.26	4.71	
Salisbury	do.		T.			.55	.90	.19	T.	.20	T.	T.					.35	.08			T.						.44	.18			T.	2.57	T.	.19	5.65	
Sines**	Ohio		.11			.04	.04		.12	.12	T.	.09					.27	.57	T.		.61						.62	.10			.06	1.68	.40	.19	T.	5.08
Snow Hill	Atlantic		T.			.00	.00	.20	T.	.10	T.	T.					T.	.50			T.						.60	.10			T.	.30	T.	.10	6.00	
Sotomons	do.		T.			.50	.41	.18	T.	.30	.03	T.					.02	.14	T.		T.						.24	.48			.74	.14	.04	.16	6.38	
State Sanatorium	do.		T.			.83	.37		.05	.25	T.	T.					.05	.18			T.						.40	.30			* 5.80	.70	.12	.20	10.13	
Stevensville	do.		T.			.65	.98	T.	T.	.35	T.	T.					.16	T.			T.						.42	.38			.10	.20	.05	.30	5.73	
Takoma	do.		T.			* 1.14	T.		* 1.16	T.	T.	T.					.13	T.			T.						.38	.95			* 4.50	.50	.50	T.	7.85	
Western Port	do.		.02																																	

Daily Temperatures for April 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	
Maryland																																	
Aberdeen.....	Maximum.....	57	61	54	51	64	70	57	60	46	45	48	56	64	70	70	53	65	84	72	75	58	66	61	59	54	48	62	62	66	66	60.8	
.....	Minimum.....	29	43	43	43	43	47	39	37	39	34	32	33	34	53	52	44	38	44	52	51	47	47	43	44	45	44	44	44	46	45	42.6	
Annapolis.....	Maximum.....	56	60	55	49	59	70	57	56	48	45	48	57	67	72	71	53	60	70	69	78	60	72	61	52	50	49	66	66	66	63	60.5	
.....	Minimum.....	36	40	44	42	45	47	42	44	41	36	33	36	40	57	53	44	41	48	54	54	49	47	43	44	43	46	44	40	48	44.5		
Baltimore (U.S.W.B.).....	Maximum.....	60	62	55	51	60	69	59	58	48	46	48	58	68	71	71	55	62	84	74	76	59	73	65	53	50	49	63	63	66	64	61.3	
.....	Minimum.....	40	46	44	43	44	49	44	45	40	37	34	37	41	57	52	46	42	47	55	54	46	47	45	44	44	44	45	45	48	48	45.1	
Bell.....	Maximum.....	62	64	61	52	60	71	65	59	53	47	50	59	69	72	70	65	66	92	89	77	76	77	75	62	60	49	64	65	68	65	65.1	
.....	Minimum.....	23	42	32	37	43	55	38	33	45	32	27	32	27	53	58	42	26	38	53	38	50	44	33	44	43	45	44	46	41	40	39.8	
Cambridge (near).....	Maximum.....	61	67	60	53	66	72	62	60	56	47	45	56	66	72	72	64	66	85	78	75	79	74	74	63	55	52	69	66	67	74	65.3	
.....	Minimum.....	31	44	35	41	46	56	48	36	45	40	37	38	33	52	55	45	42	45	54	47	57	58	46	44	44	48	48	46	48	46	45.1	
Cheltenham§§.....	Maximum.....	62	64	58	52	62	71	58	60	50	45	47	58	68	72	68	54	65	92	73	78	64	77	68	48	49	48	64	64	67	63	62.3	
.....	Minimum.....	29	38	35	38	43	43	39	38	47	35	28	33	35	48	58	42	34	43	54	48	54	46	42	45	41	44	45	40	45	45	41.8	
Chestertown.....	Maximum.....	61	62	60	55	67	68	63	62	46	46	46	58	67	70	72	55	65	90	80	80	63	76	70	56	53	50	69	67	72	66	63.9	
.....	Minimum.....	31	41	42	40	44	50	40	38	40	34	33	34	34	51	52	43	37	42	51	48	47	46	41	42	44	43	43	43	45	39	41.9	
Chewsville.....	Maximum.....	54	53	50	47	57	62	50	50	40	45	54	61	68	67	58	61	87	75	72	64	55	55	53	47	47	56	56	62	56	56	57.0	
.....	Minimum.....	25	45	34	38	42	47	36	33	39	31	28	23	28	46	54	39	25	43	44	41	44	41	40	42	39	39	39	35	37	42	38.0	
Clear Spring.....	Maximum.....	69	59	54	53	55	60	58	52	49	41	49	58	60	72	70	60	68	87	85	72	71	60	65	63	62	45	53	58	63	65	60.6	
.....	Minimum.....	31	41	36	38	33	51	41	37	39	31	27	29	47	52	39	30	45	46	41	44	40	37	43	41	38	36	40	40	37	35.7		
Coleman.....	Maximum.....	60	61	55	50	66	70	60	60	53	45	45	57	66	73	71	63	65	86	80	77	70	72	62	58	51	50	62	65	61	66	65	62.9
.....	Minimum.....	34	42	41	39	41	54	41	39	43	35	34	35	34	49	54	43	37	40	50	48	44	44	43	41	43	42	42	43	45	45	42.2	
College Park.....	Maximum.....	62	63	60	54	60	70	63	60	53	47	49	58	68	71	69	66	69	92	85	77	75	75	72	65	51	50	65	65	66	66	64.9	
.....	Minimum.....	26	41	35	37	45	56	39	33	46	35	30	34	28	52	58	47	39	39	39	38	50	45	37	45	42	46	44	41	42	42	41.1	
Conowingo Dam.....	Maximum.....	58	61	52	48	62	69	56	58	46	44	47	56	65	72	72	63	68	81	70	73	53	64	62	56	55	48	62	62	66	63	60.1	
.....	Minimum.....	26	34	39	41	43	47	42	34	44	33	32	34	29	44	50	44	35	42	50	42	45	45	43	43	43	43	41	42	45	45	40.7	
Cumberland§§.....	Maximum.....	65	56	58	54	62	57	63	49	50	43	46	61	70	72	69	58	70	87	74	79	50	66	78	52	46	45	52	60	71	67	61.0	
.....	Minimum.....	28	33	39	42	42	45	40	37	41	35	34	31	31	38	53	39	30	38	46	46	47	43	42	47	40	41	41	38	38	35	39.7	
Darlington.....	Maximum.....	58	62	55	48	63	69	63	60	49	45	48	57	65	70	66	67	85	80	74	70	63	62	60	54	50	65	63	66	64	64	62.4	
.....	Minimum.....	29	36	40	42	40	55	44	35	38	33	28	33	27	44	50	43	35	41	49	41	43	43	45	41	42	43	44	40	44	42	40.3	
Dundalk.....	Maximum.....	60	61	56	51	61	70	59	57	48	45	47	61	70	71	70	57	63	81	76	79	56	71	64	53	49	48	62	64	67	65	61.4	
.....	Minimum.....	35	43	44	41	43	48	43	39	39	37	35	36	37	55	55	45	38	46	54	50	46	45	42	45	45	44	44	44	44	44	43.7	
Easton.....	Maximum.....	60	63	56	54	63	71	60	62	54	45	47	55	67	70	68	55	63	88	71	76	72	77	64	55	55	50	73	65	66	63	63.1	
.....	Minimum.....	29	45	39	40	40	54	39	36	44	36	35	34	32	53	52	43	37	42	50	49	53	48	42	43	44	45	42	44	48	44	42.7	
Edgewood.....	Maximum.....	55	60	52	46	64	68	55	57	45	43	47	58	67	70	71	63	60	89	72	75	56	73	62	52	47	63	62	66	63	63	59.8	
.....	Minimum.....	32	40	40	40	41	45	36	36	36	32	32	34	31	51	49	42	36	44	52	49	43	41	40	42	42	43	44	43	44	43	40.8	
Elkton.....	Maximum.....	61	64	53	51	63	73	67	57	48	44	42	59	66	72	71	62	64	85	71	75	65	63	62	56	53	50	65	60	69	64	61.5	
.....	Minimum.....	27	36	40	40	43	54	41	34	43	34	32	33	28	42	45	44	35	39	50	43	41	44	39	42	48	43	42	45	49	42	41.0	
Emmitsburg.....	Maximum.....	58	60	54	50	55	62	54	53	49	41	45	57	58	69	66	62	60	84	79	72	72	54	59	59	49	45	55	57	62	62	58.7	
.....	Minimum.....	36	40	38	38	40	54	36	40	40	32	30	34	30	51	52	49	37	45	48	54	43	42	42	42	39	39	40	44	44	42	40.9	
Fallston.....	Maximum.....	59	59	55	49	63	67	50	57	53	43	46	55	65	70	70	65	84	83	79	73	70	69	62	59	52	50	61	62	64	63	61.5	
.....	Minimum.....	32	40	40	39	41	54	39	39	43	32	30	32	36	56	51	42	36	44	49	48	43	43	41	41	41	41	41	42	44	43	41.4	
Ferry Landing.....	Maximum.....	58	67	61	61	60	72	62	60	49	47	49	59	68	72	69	62	83	92	87	80	70	79	66	59	52	51	65	65	65	63	64.1	
.....	Minimum.....	33	45	30	40	45	64	39	39	45	35	32	32	37	52	58	42	36	45	55	51	64	47	42	44	42	47	45	41	47	47	43.7	