

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. XXXIX BALTIMORE, MD., YEAR 1934 No. 13

GENERAL SUMMARY

Severe cold prevailed from January 29 to March 2, inclusive. Ice conditions in rivers and on Chesapeake Bay during February and the first half of March were the worst since the winter of 1917-18. A dust cloud prevailed on May 11. A mild tornado occurred west of Harmony, Caroline County, on May 14. A tropical disturbance passed northeastward over the section on June 18-19, attended by high southeast winds and heavy rain. Exceptionally large hailstones fell in Garrett County on July 22. In August: Exceptionally heavy rain fell at the head of Chesapeake Bay on 2-3d; a small tornado occurred southeast of Madonna. Harford County, on 2d, and another at Lindale, 6 miles south of Oakland, Garrett County, on 3d; and a waterspout struck Hickory Point, on Grays Creek, in Magothy River, Anne Arundel County, on 2d. Frequency of heavy rain in September was greatest of record. A tropical storm of moderate intensity, moving rapidly northeastward, was off the coast on September 8. Heavy rain in the Blue Ridge Mountain region on December 1 produced the worst flood in the Middletown Valley since 1889. Dense fogs were unusually frequent.

This year was warmer than normal in the western half of the section, but colder than normal in the eastern half. June and July were very warm; January, May, September, and November were mild; April, August, and October were cool; December was slightly cold; March was cold; and February was the coldest such month of record.

This was the third successive wet year for the section as a whole. In western Maryland annual totals of 30 to 43 inches were somewhat below normal, but annual amounts of 38 to 63 inches in the other divisions were well above normal. October was dry. Rainfall was deficient in January, February, April, June, July, and December; somewhat above normal in August; and abundant in March, May, and November. September was the wettest such month of record.

Annual snowfall was 125 per cent of normal, the greatest since 1922. Snowfall in January was the least of record for that month; was very light in April, November, and December; was normal in October; but was two and one-half times the normal in February and in March. Annual amounts ranged from 15 to 63 inches.

(Continued on page 52)

CONDENSED SUMMARY OF CLIMATOLOGICAL DATA, 1934.

Months	Temperature			Precipitation			Number of days				
	Mean	Highest	Lowest	Average	Greatest in 24 hours	Snowfall	With 0.01 inch or more of precipitation	Clear	Partly cloudy	Cloudy	Prevailing direction of wind
January.....	37.1	70	-6	2.49	1.80	0.5	9	9	11	11	nw.
February.....	22.5	60	-25	2.94	2.30	18.2	9	10	8	10	nw.
March.....	38.9	78	-10	4.45	1.89	11.9	14	10	8	14	sw.
April.....	51.9	86	19	2.65	1.51	0.2	10	13	8	9	se.
May.....	64.0	97	28	4.85	2.96	0.0	10	14	10	7	sw.
June.....	74.7	105	42	3.25	3.65	0.0	7	16	11	3	sw.
July.....	78.4	107	42	3.41	4.20	0.0	8	15	13	3	sw.
August.....	72.1	97	32	4.99	8.35	0.0	10	10	13	8	sw.
September.....	68.7	92	36	9.33	7.30	0.0	14	8	11	11	e.
October.....	54.7	85	15	1.35	2.07	0.1	4	11	7	12	nw.
November.....	48.0	80	10	3.57	1.70	0.2	10	10	10	10	nw.
December.....	35.2	71	-16	2.75	3.35	1.4	8	8	10	13	nw.

KILLING FROSTS, 1934.

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
<i>Maryland.</i>			<i>Maryland (cont.)</i>		
Aberdeen.....	Apr. 28	Oct. 13	Millington.....	Apr. 29	Oct. 14
Annapolis.....	Mar. 30	Nov. 13	Oakland.....	May 27	Oct. 13
Baltimore.....	Apr. 28	Oct. 13	Parkton.....	Apr. 29	Oct. 13
Bell.....	Apr. 29	Oct. 13	Picardy.....	Apr. 29	Oct. 13
Boys.....	Apr. 29	Oct. 13	Pleasant Hill.....	Apr. 29	Oct. 13
Cambridge.....	Apr. 29	Oct. 20	Princess Anne.....	Apr. 29	Oct. 15
Cecilton.....	Apr. 29	Oct. 14	Ridgely.....	Apr. 29	Oct. 13
Cheltenham.....	Apr. 29	Oct. 13	Rock Hall.....	Apr. 29	Oct. 20
Chesapeake.....	Apr. 29	Oct. 13	Salisbury.....	Apr. 29	Oct. 20
Clear Spring.....	Apr. 28	Oct. 13	Sines.....	May 27	Oct. 13
Coleman.....	Apr. 29	Nov. 13	Snow Hill.....	Apr. 29	Oct. 13
College Park.....	Apr. 29	Oct. 14	Solomons.....	Mar. 30	Nov. 13
Crisfield.....	Mar. 30	Oct. 29	State Sanatorium.....	Apr. 28	Oct. 13
Cumberland.....	Apr. 29	Oct. 13	Stevensville.....	Apr. 26	Oct. 20
Darlington.....	Apr. 29	Oct. 13	Takoma.....	Apr. 28	Oct. 14
Easton.....	Apr. 26	Oct. 20	Towson.....	Apr. 29	Oct. 13
Elkton.....	Apr. 29	Oct. 13	Western Port.....	Apr. 29	Oct. 13
Emmitsburg.....	Apr. 28	Oct. 13	Westminster.....	Apr. 29	Oct. 13
Fallston.....	Apr. 28	Oct. 13	Woodstock.....	Apr. 29	Oct. 13
Ferry Landing.....	Apr. 29	Oct. 13	<i>District of Columbia.</i>		
Frederick.....	Apr. 29	Oct. 13	Washington.....	Mar. 29	Nov. 3
Friendsville.....	May 26	Oct. 13	<i>Delaware.</i>		
Frostburg.....	Apr. 29	Oct. 13	Bridgeville.....	Apr. 29	Oct. 13
Grantsville.....	May 27	Oct. 13	Delaware City.....	Apr. 28	Oct. 13
Great Falls.....	Apr. 29	Oct. 13	Dover.....	Apr. 28	Oct. 14
Hancock.....	Apr. 29	Oct. 13	Milford.....	Apr. 29	Oct. 14
Keedysville.....	Apr. 28	Oct. 13	Millsboro.....	Apr. 29	Oct. 13
La Plata.....	Apr. 29	Oct. 13	Wilmington.....	Apr. 28	Oct. 13
Laurel.....	Apr. 29	Oct. 14			
Lutherville.....	Apr. 29	Oct. 13			
Maryland Line.....	Apr. 28	Oct. 13			
Mechanicsville.....	Apr. 29	Oct. 13			

COMPARATIVE DATA FOR MARYLAND AND DELAWARE.

years	Temperature				Precipitation				Number of days			
	Mean	Departure from the normal	Highest	Lowest	Average	Departure from the normal	Greatest local	Least local	Snowfall	with 0.01 inch or more	Clear	Partly Cloudy
Period..	54.0	.....	110	-40	41.05	.....	78.72	14.42	25.6	109	163	104
1895.....	52.7	-1.3	102	-18	34.47	-6.58	42.07	14.42	29.9	94	176	105
1896.....	54.2	+0.2	103	-13	37.11	-3.94	64.94	30.18	23.0	92	157	111
1897.....	53.6	-0.4	102	-12	44.97	+3.92	63.85	32.56	18.4	109	164	107
1898.....	54.9	+0.9	109	-22	42.11	+1.06	65.77	32.59	21.6	109	164	99
1899.....	55.1	+0.1	102	-26	40.84	-0.21	51.38	28.69	40.3	98	182	92
1900.....	55.1	+0.1	106	-15	36.66	-4.39	52.19	28.21	26.8	83	175	99
1901.....	52.6	-1.4	106	-15	45.08	+4.03	70.87	34.63	18.7	99	166	96
1902.....	53.6	-0.4	104	-17	49.20	+8.15	61.38	33.75	33.3	105	159	110
1903.....	53.3	-0.7	100	-12	46.94	+5.89	78.72	36.58	17.9	106	156	100
1904.....	51.3	-2.7	102	-20	36.49	-4.56	50.26	25.72	41.8	96	162	108
1905.....	53.3	-0.7	104	-20	43.84	+2.79	64.64	31.88	36.1	106	162	114
1906.....	54.6	+1.6	101	-15	48.01	+6.96	62.92	36.10	20.7	123	141	117
1907.....	52.2	-0.8	99	-29	48.86	+7.81	66.59	37.55	34.6	121	155	115
1908.....	54.1	+0.1	102	-21	40.01	-1.04	52.50	31.63	32.5	101	171	109
1909.....	53.8	-0.2	99	-5	37.47	-3.58	50.45	28.80	30.0	105	170	105
1910.....	53.9	-0.1	99	-15	37.42	-3.63	52.45	26.74	34.8	109	159	117
1911.....	55.0	+1.0	106	-5	43.61	+2.56	55.58	34.62	23.2	119	155	110
1912.....	53.3	-0.7	102	-40	43.42	+2.37	52.68	35.50	32.2	112	167	109
1913.....	56.0	+2.0	102	-6	38.98	-2.07	48.96	25.41	6.1	108	165	104
1914.....	53.4	-0.6	102	-21	35.97	-5.08	43.32	29.35	37.2	98	171	102
1915.....	54.0	0.0	103	-6	43.58	+2.53	59.39	26.82	23.1	107	167	114
1916.....	54.2	-0.8	101	-11	40.47	-0.54	49.72	26.14	28.5	112	171	104
1917.....	51.3	-2.7	102	-32	40.65	-0.40	54.22	27.17	35.7	110	169	99
1918.....	53.8	-0.2	109	-30	37.96	-3.09	46.95	28.88	31.4	98	173	100
1919.....	54.9	+0.9	105	-19	47.62	+6.57	60.84	30.69	11.9	114	175	91
1920.....	53.3	-0.7	98	-10	44.95	+3.90	56.29	32.49	20.0	113	168	93
1921.....	52.1	-1.9	102	-15	37.72	-3.33	54.12	28.89	20.5	114	168	102
1922.....	55.0	+1.0	100	-15	40.15	-0.90	55.65	24.39	34.8	111	163	96
1923.....	54.4	+0.4	102	-9	40.27	-0.78	50.38	31.47	22.0	115	174	96
1924.....	52.6	-1.4	103	-13	46.26	+5.21	52.70	37.41	30.5	111	165	98
1925.....	54.6	+0.6	104	-31	34.91	-6.14	48.87	27.87	23.0	112	165	101
1926.....	52.8	-1.2	107	-16	43.90	+2.85	54.02	32.08	24.6	128	149	105
1927.....	54.4	+0.4	100	-5	40.37	-0.68	53.56	27.89	15.3	125	143	104
1928.....	54.0	0.0	100	-11	45.09	+4.04	55.38	34.92	25.4	118	160	104
1929.....	54.4	+0.4	102	-13	42.46	+1.41	55.69	33.09	20.0	117	160	101
1930.....	55.0	+1.0	110	-20	23.78	-17.37	38.52	17.75	22.4	94	169	104
1931.....	56.0	+2.0	103	-8	38.68	-2.37	47.90	29.91	12.3	111	157	100
1932.....	55.2	+1.2	106	-6	47.15	+6.10	54.33	34.33	19.8	111	157	101
1933.....	55.0	+1.0	102	-10	49.30	+8.25	57.56	37.70	19.8	122	142	111
1934.....	53.8	-0.2	107	-25	46.03	+4.98	63.11	30.50	32.5	113	140	118

Climatological Date for the Year 1934.

Stations	Counties	Elevation, feet	Temperature, degrees Fahrenheit						Precipitation						Number of rainy days	Sky			Prevailing direction of wind	
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month		Total snowfall	Number of clear days	Number of partly cloudy days		Number of cloudy days
Maryland																				
Aberdeen	Harford	80	16	52.1	99	July 21	-13	Feb. 28	16	48.92	10.40	Aug.	1.37	Oct.	33.2	127	102	118	145	ne.
Annapolis	Anne Arundel	45	69	55.8	103	June 29	-6	Feb. 9	61	43.34	9.06	Sept.	1.27	Oct.	26.8	115	117	113	135	nw.
Baltimore (U.S.W.B.)		115	64	56.3	105	June 29	-7	Feb. 9	64	50.88	12.41	Sept.	0.95	Oct.	40.0	118	122	107	136	sw.
Bell	Prince Georges	151	14	54.2	101	June 29	-17	Feb. 28	14	43.84	12.57	Sept.	0.70	Oct.	34.6	121	134	115	116	nw.
Boys	Montgomery	375	15	52.9	102	June 29	-14	Feb. 28	15	57.95	9.91	Sept.	1.05	Oct.	29.0	115	163	103	99	n.
Cambridge (near)	Dorchester	25	41	55.9	100	July 21	-6	Feb. 9	41	46.54	7.68	Sept.	1.72	Jan.	24.5	102	154	95	116	nw.
Cecilton	Cecil	85	16	55.1	102	July 21	-14	Feb. 9	16	46.13	11.50	Aug.								
Cheltenham	Prince Georges	230	34	55.7	101	June 29	-8	Feb. 9	34	48.13	13.16	Sept.	0.84	Oct.	35.9	128	142	102	121	nw.
Chesville	Washington	530	37	51.8	100	June 29	-20	Feb. 28	37	34.83	6.44	Sept.	0.83	Feb.	23.5	106	136	139	90	nw.
Coleman	Kent	90	35	54.1	99	June 29	-11	Feb. 9	37	41.89	6.11	Sept.	1.35	Oct.	38.5	102	146	113	106	nw.
College Park	Prince Georges	87	46	54.9	102	June 29	-14	Feb. 28	47	45.77	11.77	Sept.	0.65	Oct.	34.9	132	140	108	117	nw.
Cristfield	Somerset	5	15	57.1	97	June 30	-5	Feb. 9	15	50.91	8.18	May	1.17	Oct.	21.0	102	130	132	103	nw.
Cumberland	Allegany	623	51	54.1	106	July 26	-9	Feb. 28	62	31.24	5.41	Sept.	0.55	Feb.	17.8	99	168	110	87	
Darlington	Harford	300	44	51.9	102	June 29	-15	Feb. 28	43	49.92	*9.10	Sept.	0.94	Oct.	39.5	101	110	148	107	nw.
Easton	Talbot	35	44	55.1	101	July 21	-10	Feb. 28	44	40.19	5.84	Sept.	1.62	Jan.	29.6	112	146	110	109	nw.
Elkton	Cecil	28	8	53.2	102	July 21	-15	Feb. 28	8	45.64	7.06	Sept.	1.60	Oct.	37.9	100	149	108	108	nw.
Emmitsburg	Frederick	720	66	52.9	100	July 25	-10	Feb. 9	65	47.62	14.18	Sept.	0.88	Oct.	25.2	109	157	117	91	nw.
Fallston	Harford	450	65	52.5	100	June 29	-14	Feb. 9	65	45.37	9.43	Sept.	0.82	Oct.	39.7	125	112	152	101	nw.
Ferry Landings	Calvert	110	18	55.0	100	June 29	-9	Feb. 28	18	43.51	10.50	Sept.	0.94	Oct.	30.0	113	146	104	115	nw.
Frederick	Frederick	325	60	55.1	104	June 29	-12	Feb. 28	60	42.03	10.64	Sept.	0.90	Oct.	27.6	111	159	114	92	nw.
Friendsville	Garrett	1,501	17	48.7	97	July 22	-18	Feb. 28	16	39.87	5.15	July	1.26	Oct.	53.7	127	129	110	126	
Frostburg	Allegany	1,929	30	51.0	98	July 26	-12	Feb. 9	33	37.30	6.30	Sept.	0.68	Feb.	28.5	97	163	99	103	w.
Grantsville	Garrett	2,351	41	51.0	97	July 26	-20	Feb. 28	41	51.11	*14.30	Sept.	*1.00	Oct.	36.2	111	142	114	99	nw.
Great Falls	Montgomery	200	37	54.5	103	June 29	-11	Feb. 28	45	51.11	17.32	Sept.	1.45	Oct.	34.7	114	148	94	123	nw.
Hancock (Tonoloway)	Washington	455	23	52.6	107	July 25	-17	Feb. 28	24	34.87	6.41	Sept.	0.65	Feb.	19.5	96	166	110	89	
Hancock (City)	do	421	21	52.6	107	July 25	-17	Feb. 28	10	34.35	6.58	Sept.	0.74	Feb.	18.1	111				
Keedysville	do	400	31	54.4	105	July 25	-19	Feb. 28	30	33.61	6.73	Sept.	0.99	Oct.	23.5	107	153	121	91	nw.
La Plata	Charles	190	20	54.8	102	July 21	-8	Feb. 9	21	57.96	14.41	Sept.	0.81	Oct.	30.4	137	144	95	126	nw.
Laurel	Prince Georges	320	40	54.1	101	June 29	-12	Feb. 9	40	44.74	11.89	Sept.	0.59	Oct.	32.9	130	139	110	116	
Lutherville	Baltimore	340	8	53.1	103	July 21	-17	Feb. 28	8	48.70	12.58	Sept.	0.84	Oct.	39.4	122	136	131	98	sw.
Maryland Line	Baltimore	840	10	52.3	100	June 29	-14	Feb. 9	10	48.21	10.66	Sept.	1.15	Oct.	32.0	109	138	132	95	sw.
Mechanicsville	St. Marys	165	27	54.4	101	July 21	-12	Feb. 28	8	60.12	17.32	Sept.	1.45	Oct.	34.7	114	148	94	123	nw.
Millington	Kent	27	37	54.4	101	July 21	-12	Feb. 28	36	46.77	8.87	Sept.	1.76	Oct.	42.5	118	152	108	105	nw.
Oakland	Garrett	2,461	35	48.1	96	July 26	-25	Feb. 28	35	42.59	5.77	Aug.	1.49	Feb.	62.3	139	126	112	127	w.
Parkton (Prettyboy Dam)	Baltimore	780	4	52.3	99	July 21	-14	Feb. 9	4	49.85	12.93	Sept.	1.24	Oct.	34.5	107				
Picardy	Allegany	900	8	53.1	103	July 25	-10	Feb. 9	8	30.50	6.04	Sept.	0.63	Feb.	20.5	73	166	112	87	w.
Pleasant Hills	Baltimore	660	17	55.5	100	June 30	-5	Feb. 9	10	49.18	12.92	Sept.	0.87	Oct.	43.3	110	134	136	95	nw.
Princess Anne	Somerset	17	59	55.5	100	June 30	-5	Feb. 9	41	52.36	8.55	Sept.	1.57	Oct.	15.3	111	113	149	103	nw.
Ridgely	Caroline	57	41	55.0	103	July 21	-10	Feb. 9	44	48.85	9.08	Sept.	1.84	Jan.	34.0	104	139	118	108	nw.
Rock Hall	Kent	25	20	55.3	101	July 21	-12	Feb. 9	19	46.96	7.24	Sept.	1.59	Oct.	44.0	108	142	115	108	nw.
Salisbury	Wicomico	23	29	56.5	101	July 21	-6	Feb. 9	29	55.63	9.12	May	1.48	Apr.	24.5	105	156	105	104	nw.
Sinos (Deep Creek)	Garrett	2,040	7	46.3	95	July 21	-23	Feb. 28	7	42.64	5.93	Sept.	1.28	Feb.	49.9	148	128	110	127	
Snow Hill	Worcester	20	6	55.9	99	June 30	-5	Feb. 9	4	51.60	10.30	Sept.	1.80	Oct.	28.0	94	136	125	104	nw.
Solomons	Calvert	15	43	57.1	98	July 21	-0	Feb. 9	43	46.16	8.30	Aug.	1.62	Oct.	23.0	113	134	105	126	nw.
State Sanatorium	Frederick	1,460	26	52.4	97	July 25	-14	Feb. 9	26	42.33	10.12	Sept.	0.82	Oct.	27.8	114	150	124	91	
Stevensville	Queen Annes	12	8	55.4	101	July 21	-9	Feb. 9	8	49.80	7.32	Sept.	2.17	Oct.	34.1	106	121	132	112	s.
Takoma	Montgomery	320	36	55.4	104	July 21	-9	Feb. 9	36	51.80	15.62	Sept.	0.91	Oct.	35.2	125	136	112	117	
Towson	Baltimore	475	41	53.9	104	July 26	-13	Feb. 28	23	50.48	*12.50	Sept.	*0.90	Oct.	41.9	119				
Western Port	Allegany	1,000	41	53.9	104	July 26	-13	Feb. 28	41	37.68	6.93	Sept.	0.77	Feb.	21.4	111				
Westminster	Carroll	770	25	53.0	102	June 29	-13	Feb. 9	25	44.06	9.92	Sept.	0.99	July	34.5	105	155	121	89	nw.
Woodstock	Baltimore	415	64	52.8	101	June 29	-16	Feb. 28	65	46.15	13.58	Sept.	0.98	Oct.	31.7	117	131	126	108	nw.
District of Columbia																				
Washington (U.S.W.B.)		112	64	55.9	101	June 29	-6	Feb. 9	64	51.14	17.45	Sept.	0.75	Oct.	30.2	122	127	105	133	nw.
Delaware																				
Bridgeville	Sussex	45	44	55.1	101	July 21	-7	Feb. 9	44	52.32	10.40	Sept.	1.36	June	29.0	117	157	111	97	nw.
Delaware City	New Castle	12	48	53.9	99	June 29	-11	Feb. 9	48	51.51	7.25	Sept.	1.85	Oct.	35.0	101	143	114	108	nw.
Dover	Kent	94	45	54.7	100	June 29	-11	Feb. 9	45	53.74	10.78	July	2.11	Dec.	40.0	118	146	122	97	nw.
Millford	do	20	42	55.6	101	June 29	-8	Feb. 9	52	52.01	7.85	May	1.60	Jan.	33.0	117	141	128	96	nw.
Millsboro	Sussex	20	42	55.7	100	June 29	-6	Feb. 9	42	63.11	9.80	July	1.92	Jan.	28.0	108	153	116	96	nw.
Wilmington	New Castle	86	23	53.1	97	June 29	-15	Feb. 9	41	46.67	6.81	Sept.	1.86	Oct.	38.4	122	144	113	108	nw.
Wilmington	New Castle	260	23	53.1	97	June 29	-15	Feb. 9	23	47.50	6.98	Sept.	1.64	Oct.	38.9	121	144	113	108	nw.
For Maryland and District of Columbia																				
For Delaware				53.8	107	July 25	-25	Feb. 28		45.05	17.45	Sept.	0.55	Feb.	32.3	113	140	118	107	nw.
For entire section				54.7	101	June 29	-15	Feb. 9		54.47	10.78	July	1.36	June	33.6	114	147	117	101	nw.
				53.8	107	July 25	-25	Feb. 28		46.03	17.45	Sept.	0.55	Feb.	32.5	113	140	118	107	nw.

†Also on other dates. §Post Office 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 Pleasant Hill, Owings Mills. §§Municipal Bldg. §§§Porter Reservoir. *Determined from surrounding stations.

ERRATA:

February, 1934.—Page 6: Lowest temperature for Delaware, publish —11, should be —15.

Monthly and Annual Precipitation for the Year 1934, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Maryland																										
Aberdeen.....	2.30	-0.59	3.14	+0.19	4.76	+1.92	2.62	-1.08	4.45	+1.61	2.69	-1.05	2.87	-1.86	10.40	+5.99	8.53	+5.29	1.37	-0.88	3.33	+0.96	2.46	+0.04	48.92	+10.54
Annapolis.....	2.21	-1.15	3.66	+0.22	5.36	+1.52	2.68	-1.09	5.15	+1.14	3.78	-0.39	1.89	-2.87	2.50	-2.12	9.06	+5.18	1.27	-2.00	3.43	+0.55	2.65	-0.81	43.34	+1.82
Baltimore (U.S.W.B.).....	2.63	-0.97	3.29	-0.10	4.47	+0.76	2.32	-1.02	4.04	+0.50	5.33	+1.51	2.24	-2.40	6.63	+2.26	12.41	+9.04	0.95	-1.94	3.51	+0.95	3.10	-0.27	50.88	+8.32
Bell.....	2.19	-1.05	3.01	+0.17	4.83	+1.79	2.38	-1.74	4.24	+0.79	2.98	-0.41	1.87	-1.81	3.68	-0.32	12.57	+9.27	0.70	-2.04	3.13	+0.36	2.26	-0.26	43.84	+4.75
Boys.....	2.27	-0.54	1.68	-1.28	3.74	+0.88	2.44	-1.21	4.32	+1.59	3.59	-0.18	0.52	-2.44	3.33	-0.64	9.91	+6.98	1.05	-1.39	2.11	-0.31	2.99	+0.57	37.95	+2.03
Cambridge (near).....	1.72	-1.83	4.03	+0.56	5.37	+1.50	2.57	-1.16	6.12	+2.70	3.75	-0.03	4.56	+0.11	3.76	-0.83	7.08	+4.61	2.07	-1.09	3.15	+0.52	1.76	-1.49	46.54	+3.57
Cecilton.....	2.64	-0.56	2.94	-0.27	3.87	+0.67	2.88	-1.21	5.87	+2.57	2.15	-1.49	1.98	-3.72	11.50	+6.67	7.22	+3.70	.....	.....	.....	.....	.....	.....	.....	.....
Cheltenham.....	2.16	-1.36	3.58	+0.77	4.24	+0.62	2.47	-1.61	5.38	+2.07	1.87	-2.55	2.18	-2.12	4.75	+0.11	13.16	+9.96	0.94	-1.84	3.40	+0.92	2.00	-1.37	46.13	+3.60
Chewsville.....	1.71	-1.15	0.83	-1.55	3.42	+0.49	2.32	-0.66	3.86	+0.58	2.95	-1.17	2.03	-1.83	3.55	-0.14	6.44	+3.32	1.04	-1.76	3.26	+1.23	3.42	+0.76	34.83	-1.88
Clear Spring.....	2.12	-0.99	0.86	-1.93	3.85	+0.51	1.88	-1.58	2.93	-0.83	3.82	-0.39	3.02	-1.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coleman.....	2.93	-0.40	3.15	+0.05	4.60	+1.17	2.75	-0.80	5.87	+2.65	2.49	-1.21	2.06	-2.48	4.97	+0.34	6.11	+2.64	1.35	-1.49	3.13	+0.63	2.48	-1.10	41.89	0.00
College Park.....	2.37	-0.83	3.07	-0.10	4.68	+1.22	2.27	-1.32	4.61	+0.86	1.97	-1.99	1.46	-2.68	6.39	+2.35	11.77	+8.60	0.65	-2.05	3.51	+0.99	3.02	+0.01	45.77	+5.06
Crisfield.....	1.69	-1.50	6.59	+2.86	6.72	+2.26	1.88	-2.72	8.18	+5.08	3.80	+0.39	5.15	+0.56	4.13	-0.35	5.68	+3.09	1.17	-1.27	4.29	+1.71	2.13	-1.45	50.91	+8.66
Cumberland.....	2.26	-0.19	0.55	-1.95	2.11	-0.83	2.15	-0.67	1.50	-1.79	3.49	+0.51	2.49	-0.73	5.00	+0.53	5.41	+2.69	1.22	-1.19	3.31	+1.18	1.75	-0.75	31.24	+3.21
Darlington.....	3.70	+0.30	3.16	-0.08	5.24	+1.95	2.82	-0.60	5.92	+2.58	4.34	+0.36	1.44	+0.30	6.60	+0.93	9.10	+5.45	0.94	-2.24	4.93	+2.17	2.73	-0.86	49.92	+6.93
Easton.....	1.62	-1.48	4.21	+1.01	5.22	+1.64	2.47	-0.88	5.51	+2.33	2.51	-1.25	2.38	-2.02	2.90	-1.43	5.84	+2.82	1.88	-1.27	3.78	+1.21	1.87	-1.70	19.19	-0.49
Elkton.....	2.68	.....	2.85	.....	4.85	.....	3.12	.....	5.15	.....	2.56	.....	2.62	.....	6.96	.....	7.06	.....	1.60	.....	3.35	.....	2.84	.....	45.64	.....
Emmitsburg.....	2.75	-0.51	1.42	-1.77	3.13	-0.81	2.67	-0.62	4.97	+0.88	3.90	-0.37	1.00	-2.63	3.30	-0.74	14.18	+10.59	0.88	-2.53	4.94	+1.73	3.68	+0.54	47.62	+3.76
Fallston.....	2.19	-1.46	2.83	-0.75	4.33	+0.50	2.55	-1.07	4.00	+0.74	3.20	-0.86	3.11	-1.32	5.27	+0.41	9.43	+5.41	0.82	-2.60	4.08	+0.92	3.16	-0.38	45.37	-0.46
Ferry Landing.....	1.97	-1.33	3.99	+1.24	4.93	+1.59	2.53	-1.79	6.46	+3.00	1.98	-1.80	1.89	-3.68	3.16	-1.92	10.50	+7.10	0.94	-1.77	3.37	+0.71	1.79	-0.56	43.51	+0.50
Frederick.....	1.91	-1.21	1.90	-1.10	3.90	-0.66	3.97	+0.50	4.09	+0.39	2.31	-2.07	1.74	-2.20	4.49	+0.77	10.64	+7.41	0.90	-1.51	3.01	+0.48	3.17	+0.10	42.03	+1.92
Friendsville.....	4.76	+1.34	2.05	-1.09	3.51	-0.12	2.69	-1.16	2.02	-1.22	4.42	-0.51	5.15	+1.20	4.39	+0.51	3.12	-0.03	1.26	-1.93	3.34	+0.29	3.16	-0.44	39.87	-3.16
Frostburg.....	3.00	-0.44	0.68	-2.11	2.08	-1.52	2.96	-1.53	1.60	-2.27	4.72	-0.21	4.60	+0.76	5.15	+1.00	6.30	+3.11	1.53	-1.57	3.26	+0.76	2.02	-0.91	37.30	-4.93
Grantsville.....	5.66	+1.99	2.44	-0.83	4.09	+0.17	2.76	-1.00	2.19	-1.73	5.84	+1.36	1.87	-2.30	3.92	+0.90	4.77	+1.92	.....	.....	.....	.....	.....	.....	.....	.....
Great Falls.....	2.23	-0.85	2.65	-0.08	3.94	+0.79	2.80	-0.35	5.07	+1.74	3.02	-0.75	3.94	+0.02	5.31	+1.53	11.00	+7.00	1.00	-1.64	3.40	+1.18	3.43	+0.34	51.11	+12.93
Hancock (Tonoloway).....	2.70	+0.27	0.65	-1.75	2.12	-0.88	2.40	-0.74	2.46	-0.68	3.37	-0.95	3.57	+0.07	3.71	+0.51	6.41	+3.52	0.97	-1.96	3.58	+1.26	2.93	+0.31	34.87	-1.01
District of Columbia																										
Washington (U.S.W.B.).....	1.97	-1.58	3.22	-0.05	4.18	+0.43	2.27	-1.00	3.85	+0.15	2.87	-1.26	2.88	-1.83	5.21	+1.20	17.45	+14.21	0.75	-2.09	3.58	+1.21	2.91	-0.41	51.14	+8.98
Delaware																										
Bridgeville.....	1.78	-1.64	4.47	+1.03	5.98	+2.19	3.04	-0.46	7.03	+3.51	1.36	-2.37	5.99	+0.77	4.66	+0.31	10.40	+7.40	1.90	-1.18	3.25	+0.73	2.46	-0.75	52.32	+9.54
Delaware City.....	2.95	+0.16	2.70	-0.02	4.05	+0.97	3.20	-0.17	5.72	+2.56	4.50	+0.65	6.64	+3.03	6.35	+2.47	7.25	+3.75	1.85	-0.73	3.60	+1.23	2.70	-0.64	51.51	+13.24
Dover.....	2.88	-0.86	4.35	+1.08	5.04	+1.09	2.92	-0.61	6.62	+3.02	2.60	-0.94	10.78	+6.20	3.14	-1.40	7.84	+4.18	2.23	-0.56	3.78	+0.64	2.11	-1.26	53.74	+10.58
Milford.....	1.60	-1.98	4.96	+1.45	6.65	+2.70	2.82	-0.67	7.85	+4.25	1.85	-1.87	5.84	+1.35	6.19	+1.68	6.16	+2.81	2.47	-0.71	3.09	+0.16	2.63	-1.15	52.01	+8.02
Millsboro.....	1.92	-1.51	5.45	+1.88	6.15	+2.33	2.94	-0.72	9.10	+5.73	2.46	-1.26	9.80	+5.13	6.55	+1.54	9.25	+6.31	2.25	-1.06	3.85	+1.21	3.39	-0.37	63.11	+19.21
Wilmington.....	2.96	-0.44	2.74	-0.61	3.82	+0.44	3.73	+0.25	4.08	+0.62	4.42	+0.60	3.68	-1.39	5.70	+1.07	6.81	+3.24	1.86	-1.26	3.20	+0.13	2.62	-0.95	46.67	+2.90
Wilm'n (Porter Reservoir).....	2.83	-0.67	2.83	-0.52	3.60	+0.22	4.00	+0.52	4.16	+0.70	4.78	+0.96	4.52	-0.55	5.33	+0.70	6.98	+3.41	1.64	-1.48	4.38	+1.51	2.45	-1.17	47.50	+3.73
For Maryland and District of Columbia.....																										
For Maryland and District of Columbia.....	2.52	-0.70	2.80	-0.24	4.35	+0.94	2.60	-0.98	4.64	+1.24	3.29	-0.69	2.97	-1.22	4.94	+0.64	9.96	+6.14	1.25	-1.62	3.56	+1.04	2.77	-0.33	45.05	+4.22
For Delaware.....	2.26	-1.05	4.12	+0.81	5.26	+1.60	3.13	-0.37	6.74	+3.29	2.90	-0.83	7.19	+2.58	5.40	+0.91	9.12	+5.78	2.08	-0.93	3.63	+0.91	2.62	-0.88	54.47	+11.82
For entire section.....	2.49	-0.74	2.94	-0.14	4.45	+1.01	2.65	-0.92	4.85	+1.44	3.25	-0.70	3.41	-0.83	4.99	+0.67	9.33	+6.10	1.35	-1.53	3.57	+1.02	2.75	-0.40	46.03	+4.98

* Determined from surrounding stations.

† 14.30. †† 12.50.

Monthly and Annual Mean Temperatures for the Year 1934, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
<i>Maryland</i>																										
Aberdeen	35.2	+4.0	18.8	-15.3	36.6	-6.3	50.7	-0.5	64.4	+3.4	75.0	+4.2	78.4	+3.4	72.4	-0.4	69.4	+1.5	53.8	-2.2	48.2	+3.4	34.2	-0.5	53.1	-0.4
Annapolis	38.9	+4.5	24.0	-11.0	39.4	-4.1	52.6	-0.8	65.7	+1.6	76.8	+3.6	80.6	+2.9	74.6	-1.5	71.8	+2.1	57.9	-0.3	49.8	+2.9	38.2	+1.1	55.8	0.0
Baltimore (U.S. W. B.)	39.0	+5.2	24.3	-11.1	40.5	-1.8	53.5	+0.2	67.2	+2.8	77.8	+5.1	81.4	+4.2	74.7	-0.5	71.3	+2.8	57.0	-1.2	50.5	+4.2	37.7	+0.5	56.3	+0.9
Bell	37.0	+5.2	21.4	-14.4	40.1	-4.4	52.2	-0.4	64.8	+3.0	75.4	+4.0	78.5	+3.3	72.1	-0.5	69.0	+0.4	54.6	-0.1	47.9	+3.1	35.8	+0.5	54.2	0.0
Boyd's	36.2	+4.7	21.3	-14.2	38.3	-6.1	51.4	-1.2	62.6	+0.7	72.8	+1.6	77.7	+2.9	71.6	-1.4	67.6	-1.1	53.8	-2.1	46.6	+1.7	34.2	-1.6	52.9	-1.4
Cambidge (near)	40.2	+4.5	25.4	-10.5	41.2	-4.0	53.4	-1.4	63.4	+0.1	76.4	+3.0	79.2	+1.2	73.9	-2.2	70.1	-0.4	57.4	-1.7	50.4	+2.6	38.1	+0.2	55.9	-0.7
Cecilton	37.0	+4.2	20.6	-15.1	38.4	-6.4	51.6	-1.1	64.6	+2.9	76.0	+4.1	79.8	+3.9	72.8	-0.8	69.6	+0.5	54.5	-3.0	48.2	+3.4	34.2	-0.5	53.1	-0.4
Cheltenham	39.2	+4.7	24.4	-10.9	42.0	-3.1	53.5	-0.3	66.0	+2.5	76.2	+5.2	80.4	+4.7	73.7	+0.2	70.2	+1.9	56.0	-1.2	49.4	+3.6	36.9	+1.1	55.7	+0.7
Chewsville	35.0	+4.5	22.0	-8.9	36.4	-5.0	50.4	-0.3	61.6	+0.8	72.2	+3.0	77.1	+3.0	70.2	-1.7	66.6	+0.5	52.1	-2.4	45.8	+2.9	32.2	-0.5	51.8	-0.3
Clear Spring	36.0	+6.0	23.2	-6.5	37.9	-2.7	52.2	+1.8	64.4	+3.1	74.2	+5.6	78.8	+5.0	72.0	-1.5	66.7	+0.6	54.0	-1.0	46.4	+3.2	33.0	-0.4	52.9	+0.2
Coleman	37.2	+3.8	21.8	-12.0	38.0	-5.9	52.0	-1.1	65.5	+2.0	75.0	+3.2	77.8	+1.2	72.0	-2.4	69.4	+0.1	55.0	-3.3	49.6	+3.2	36.1	+0.1	54.1	-0.9
College Park	38.4	+5.0	22.6	-12.9	41.2	-2.6	52.9	-0.1	65.2	+2.0	75.8	+4.7	80.0	+4.7	73.0	-0.6	69.6	+1.7	55.3	-0.2	48.4	+3.7	36.5	+0.5	54.9	+0.6
Crisfield	40.2	+3.0	27.2	-12.7	41.4	-6.0	53.8	-1.3	64.9	+1.0	76.8	+3.6	80.5	+3.5	76.2	+0.9	72.8	+1.3	60.6	+0.3	51.4	+1.4	39.8	-0.7	57.1	-0.5
Cumberland	35.7	+4.7	23.0	-10.1	38.1	-2.1	53.2	+1.2	65.8	+3.2	76.3	+5.9	79.8	+5.7	73.8	+0.8	68.6	+2.9	55.2	+0.9	47.1	+4.5	34.0	0.0	54.1	+1.4
Darlington	34.4	+3.8	18.8	-12.2	36.0	-5.5	49.8	-1.7	63.2	+1.3	74.7	+4.7	77.8	+3.2	70.8	-1.7	67.6	+1.0	52.0	-3.1	46.0	+2.2	32.2	-1.4	51.9	-0.8
Kaston	38.1	+3.5	23.8	-11.2	40.4	-3.9	52.8	-0.6	65.4	+2.0	76.3	+5.0	79.6	+3.5	73.8	-0.4	70.0	+1.3	55.2	-2.5	49.6	+3.1	36.6	-0.3	53.1	-0.1
Elkton	35.2	+4.0	19.8	-15.8	37.8	-6.0	50.8	-0.8	64.4	+3.1	74.2	+5.6	78.8	+5.0	72.0	-1.5	66.7	+0.6	54.0	-1.0	46.4	+3.2	33.0	-0.4	52.9	+0.2
Emmitsburg	36.0	+5.2	22.2	-10.0	38.4	-2.1	52.2	+1.8	64.4	+3.1	74.2	+5.6	78.8	+5.0	72.0	-1.5	66.7	+0.6	54.0	-1.0	46.4	+3.2	33.0	-0.4	52.9	+0.2
Fallston	35.8	+4.4	20.6	-11.4	37.0	-3.1	50.6	-0.4	63.7	+2.4	74.0	+4.5	77.6	+3.6	70.6	-1.4	67.6	+1.3	53.0	-2.2	46.6	+3.0	33.4	-0.5	52.5	0.0
Ferry Landing	39.5	+5.3	23.9	-13.3	40.6	-5.6	52.8	-1.0	65.3	+2.2	76.2	+4.1	79.4	+3.7	72.8	-1.0	69.1	+0.4	55.2	-2.2	48.9	+2.2	36.7	-0.6	55.0	-0.5
Frederick	37.8	+5.6	23.6	-9.6	39.4	-3.0	53.8	+0.9	63.8	+2.2	77.0	+5.1	81.0	+4.6	74.0	+0.1	69.6	+2.0	50.6	+0.9	47.8	+3.6	34.8	0.0	55.1	+0.1
Friendsville	32.8	+3.6	18.5	-13.9	34.4	-4.9	46.5	-1.1	58.2	+1.7	69.6	+4.6	72.6	+3.8	65.6	-1.1	63.3	+0.2	50.2	-1.4	42.7	+2.1	29.6	-2.7	48.7	-0.7
Frustburg	33.6	+3.9	21.0	-9.5	35.6	-3.8	50.1	+0.3	61.6	+1.9	71.7	+4.2	75.6	+3.8	68.6	-1.1	64.7	0.0	53.0	-1.1	45.0	+3.2	30.9	-0.9	51.0	+0.2
Gaithersburg	30.2	+3.2	16.6	-10.4	32.4	-4.3	47.0	+1.0	57.5	+1.0	67.8	+4.2	71.8	+3.8	65.9	-0.3	62.6	+1.5	50.0	0.0	43.0	+2.6	30.9	-0.9	51.0	+0.2
<i>District of Columbia</i>																										
Washington (U.S. W. B.)	39.0	+5.6	24.6	-10.7	41.2	-1.4	53.9	+0.6	66.5	+2.8	77.2	+5.0	80.8	+4.1	74.1	-0.9	70.6	+2.5	56.2	-1.2	49.6	+4.4	37.8	+0.7	55.9	+0.9
<i>Delaware</i>																										
Bridgeville	39.4	+4.4	24.9	-10.3	41.0	-3.3	52.5	-0.6	64.3	+1.1	75.8	+4.6	78.4	+2.5	73.0	-1.2	70.0	+1.5	55.3	-2.0	49.6	+2.9	37.1	-0.1	55.1	0.0
Delaware City	36.9	+4.3	20.3	-13.7	38.6	-3.0	51.2	-0.9	64.8	+1.8	75.1	+3.2	78.4	+1.8	72.8	-1.9	70.0	+1.6	54.7	-2.8	48.0	+2.1	35.6	-0.4	53.9	-0.6
Dover	38.2	+3.2	22.6	-12.9	40.2	-2.8	51.8	-1.4	65.0	+1.6	76.4	+4.1	78.7	+2.1	73.0	-1.4	69.8	+1.3	55.2	-1.9	49.0	+3.2	37.0	+0.3	54.7	-0.4
Millford	39.6	+3.9	24.4	-11.2	41.4	-3.6	52.7	-1.1	65.0	+1.1	76.5	+4.6	79.9	+3.3	73.5	-1.4	70.7	+1.4	55.8	-2.5	50.0	+2.4	37.4	-0.5	55.6	-0.2
Millsboro	39.8	+4.4	25.5	-10.0	41.5	-2.8	53.0	+0.2	64.4	+1.5	76.2	+4.9	79.4	+3.2	73.6	-0.9	70.4	+1.5	56.3	-1.4	50.2	+3.5	37.8	+0.3	55.7	+0.4
Wilmington	36.2	+3.6	20.2	-12.5	38.0	-4.6	51.0	-1.6	64.2	+1.1	74.0	+2.6	77.4	+1.1	71.3	-2.7	68.8	+0.7	54.0	-2.9	48.0	+2.6	34.4	-0.6	53.1	-1.1
For Maryland and District of Columbia	37.1	+4.4	22.5	-11.3	38.7	-4.2	51.9	-0.4	63.9	+1.6	74.6	+4.0	78.4	+3.4	72.0	-1.0	68.5	+0.9	54.6	-1.5	47.8	+3.0	35.0	-0.2	53.8	-0.1
For Delaware	38.4	+3.9	23.0	-11.9	40.1	-3.6	52.0	-1.2	64.6	+1.1	75.7	+3.7	78.7	+2.0	72.9	-1.9	70.0	+0.8	55.2	-2.3	49.1	+2.4	36.6	-0.4	54.7	-0.6
For entire section	37.1	+4.2	22.5	-11.5	38.9	-4.1	51.9	-0.5	64.0	+1.6	74.7	+3.9	78.4	+3.2	72.1	-1.1	68.7	+0.9	54.7	-1.5	48.0	+2.9	35.2	-0.2	53.8	-0.2

*Determined from surrounding stations.

(W. B. O., Richmond, Va.—3-2-35—1,350)

(Continued from front page)

Annual sunshine was about normal. June was the sunniest month. Sunshine was abundant in May, July, and October; normal in January, February, April, and December; deficient

in March, August, and November; and decidedly deficient in September.

Grains, other crops, and fruits yielded fair to good, except tobacco and tree fruits yielded poor to fair.—J. B., Jr.