U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CHARLES F. MARVIN, Chief

In Cooperation with Maryland State Weather Service

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

JOHN R. WEEKS, Meteorologist and Section Director

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VOL. XXXVI BALTIMORE, MD., DECEMBER, 1931 No.12

GENERAL SUMMARY

December was very mild and was the second consecutive month with temperature greatly in excess of normal. November and December, 1931, averaged 7° warmer than normal. Mean temperature this month was 1° less than in December, 1923, which was the mildest December since 1889. Monthly precipitation averaged 78 per cent of normal. Monthly snowfall was very light. Fog was not as frequent as in last November. There was little sunshine from 8th to 14th and 21st to 25th. Christmas Day was fair, with lowering temperature under strong, gusty northwest winds.

Temperatures were above normal, except for a brief spell of moderate cold on 8-9th. Warmest periods were 11-14th, 18-20th, and 22d-25th. Near-seasonable temperatures prevailed during 26-28th.

Precipitation was below normal, except above in Allegany and Garrett Counties. Monthly totals were 2 to 3 inches, except slightly below 2 inches in Washington County and 3 to 5 inches in Garrett County. Most of the rain fell during the first half of the month; during the second half the 22d was the only day of general rain.

A light snowfall in the early morning of the 9th to westward of Chesapeake Bay was followed by moderate to heavy rain over the entire section. Snow depths were 0.5 to 1.5 inches in southern and north-central Maryland and 1.5 to 2.5 inches in western Maryland.

Northwest gale in afternoon of 14th blew down some trees and poles and caused slight property damage locally. One man was killed at Owings Mills and another at Rockville by falling trees, while a third was injured at Baltimore by a falling sign.

Winter grains improved, advanced much ahead of season, and were good to excellent. Pastures were fair to good. Wells and springs continued low.—*J. B., jr.*

TEMPERATURE

The monthly mean for the section, 42.8°, is 7.4° above normal. The highest monthly mean was 47.0°, at Crisfield; the lowest, 37.6°, at Sines. The highest temperature was 72° at La Plata on the 19th; the lowest, 9° at Sines on the 8th. The greatest monthly range was 57° at Bell; the least, 40°, at Stevensville. The greatest daily range was 40° at Hancock (Tonoloway) on the 17th.

PRECIPITATION

The monthly average for the section, 2.45 inches, is 0.71 inch below normal. The greatest monthly amount was 5.04 inches at Friendsville; the least, 1.76 inches at Hancock (City). The greatest 24-hour amount was 2.00 inches at Cambridge on the 21st-22d. The monthly average snowfall for the section, 0.6 inch, is 3.8 inches below normal. The greatest monthly snowfall was 2.5 inches at Grantsville. The number of days with 0.01 inch or more, 8, is 1 below normal. For the whole section the average number of clear days was 10; partly cloudy, 9; cloudy, 12.

MISCELLANEOUS PHENOMENA (WITH DATES)

Coronae, lunar.— Boyds, 17; Parkton, 19, 29.

Fogs, dense.— General, 13, 14, 22; also: Aberdeen and Frostburg, 9; La Plata, 4, 10; Princess Anne, 10, 12; Rock Hall, 4; State Sanatorium, 11.

Geese flying south.— Princess Anne, 11.

Halos, lunar.—16, 17, 18, 23, 27. *Halos, solar.*—3, 8, 17, 27.

Sleet, light.— Entire section, 9; Sines, 28; Allegheny Mountain highlands, 31.

Thunder.— Chewsville, 22; Dover, 13.

Winds, high.— Westerly, mostly northwest, 7, 14 (gale), 20, 25, 26; northeast, 31.

PRESSURE, HUMIDITY, SUNSHINE AND WIND

Stations	Atmospheric pressure reduced to sea level					Mean relative humidity			Sunshine		Wind†				
													Highest		
	Average	Highest	Date	Lowest	Date	8 a. m.	Local n'n	8 p. m.	Hours	Percentage	Average hourly velocity	Direction	Miles	Direction	Date
Aberdeen, Md.	30.13	30.67	8	29.72	4	76	..	*62	158	54	7.3	sw.	48	w.	7
Baltimore Md.	30.14	30.70	8	29.68	24	68	56	61	149	51	9.0	sw.	43	sw.	14
Elkins, W. Va.	30.20	30.69	2	29.71	24	88	71	77	75	26	5.5	w.	27	w.	14
Harrisburg, Pa	30.13	30.70	8	29.66	25	70	58	62	137	47	6.3	w.	38	w.	14
Norfolk, Va.	30.17	30.65	8	29.80	4	78	61	66	199	67	11.5	w.	36	nw.	14
Philadel'ia, Pa.	30.14	30.71	8	29.66	25	66	58	58	129	44	12.0	nw.	44	w.	14
Pittsburgh, Pa.	30.15	30.65	2	29.63	24	81	70	69	107	37	9.9	w.	36	w.	14
Wash'ton, D.C.	30.15	30.72	8	29.70	24	73	55	62	105	36	5.7	nw.	34	nw.	14

†Velocity of wind in miles per hour, by 3-cup anemometer, except 4-cup at Aberdeen, Md.
*4 p. m.

COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR DECEMBER

Year	Temperature				Precipitation						
	Mean	Departure from the normal	Highest	Lowest	Average	Departure from the normal	Greatest local	Least local	Greatest in 24 hours	Snowfall	Number of days with 0.01 inch or more
1895	37.6	+2.2	70	−7	2.49	−0.67	3.75	1.50	1.65	2.4	8
1896	34.0	−1.4	70	−2	**0.84**	−2.32	2.71	**0.11**	1.39	4.3	4
1897	36.9	+1.5	74	−4	3.57	+0.41	6.38	1.96	1.82	2.5	10
1898	34.2	−1.2	70	−20	3.60	+0.44	6.26	1.85	**4.01**	4.5	8
1899	35.4	0.0	69	−6	1.86	−1.30	4.63	0.80	1.60	2.1	7
1900	34.4	−1.0	68	−2	2.43	−0.73	4.10	1.51	2.57	2.2	5
1901	32.7	−2.7	74	−15	**6.74**	+3.58	**11.18**	4.15	3.56	1.4	10
1902	33.3	−2.1	70	−4	6.00	+2.84	8.63	3.07	2.10	6.8	12
1903	30.2	−5.2	60	−9	2.46	−0.70	4.52	0.32	1.90	5.1	7
1904	29.6	−5.8	66	−11	3.50	+0.34	6.19	1.63	1.46	**15.6**	9
1905	36.6	+1.2	64	2	4.36	+1.20	6.21	2.41	2.33	4.0	8
1906	35.7	+0.3	72	0	4.11	+0.95	7.16	1.84	1.84	1.1	10
1907	37.4	+2.0	**76**	−7	4.19	+1.03	5.86	2.04	2.18	4.4	9
1908	36.1	+0.7	71	1	3.32	+0.16	5.49	1.25	2.09	7.8	9
1909	30.7	−4.7	69	−5	3.64	+0.48	5.63	1.72	3.16	10.9	7
1910	28.5	−6.9	65	−15	2.42	−0.74	4.13	0.90	1.90	11.5	7
1911	40.0	+4.6	**76**	7	3.66	+0.50	6.12	1.76	1.70	1.0	10
1912	38.5	+3.1	75	−10	3.94	+0.78	5.25	1.81	2.25	7.2	9
1913	39.0	+3.6	72	−1	2.43	−0.73	3.36	1.43	1.75	0.9	6
1914	31.9	−3.5	68	−21	4.63	+1.47	8.16	1.82	2.20	5.1	**14**
1915	33.1	−2.3	73	−6	3.16	0.00	4.86	1.70	1.71	5.0	7
1916	33.5	−1.9	**76**	−3	3.74	+0.58	5.51	0.85	1.55	9.6	11
1917	**26.7**	−8.7	59	**−32**	1.69	−1.47	3.32	0.57	1.30	8.9	8
1918	40.4	+5.0	71	7	4.23	+1.07	5.43	2.51	2.15	**0.3**	10
1919	30.6	−4.8	70	−17	2.96	−0.20	4.34	1.47	1.61	6.0	11
1920	37.5	+2.1	71	−5	3.43	+0.27	4.62	1.95	2.08	1.5	8
1921	36.2	+0.8	70	0	2.51	−0.65	5.30	1.65	1.72	8.3	10
1922	36.3	+0.9	71	3	3.84	+0.68	7.72	2.32	2.87	2.9	10
1923	**43.7**	+8.3	72	2	3.55	+0.39	6.17	1.47	1.56	1.8	11
1924	35.2	−0.2	**76**	−4	2.36	−0.80	3.36	1.07	1.63	**0.3**	8
1925	35.4	0.0	64	−7	1.90	−1.26	4.22	0.90	1.50	0.8	9
1926	32.1	−3.3	62	−16	3.19	+0.03	5.73	2.16	1.97	2.2	12
1927	37.3	+1.9	73	0	3.78	+0.62	8.20	1.62	2.70	2.4	12
1928	36.9	+1.5	63	0	1.63	−1.53	2.94	0.83	1.35	3.0	7
1929	36.9	+1.5	75	−6	2.45	−0.71	3.84	1.21	2.14	3.8	9
1930	33.4	−2.0	62	−17	2.60	−0.56	4.35	1.59	2.65	5.4	9
1931	42.8	+7.4	72	9	2.45	−0.71	5.04	1.76	2.00	0.6	8
Normals	35.4	.....	.....	.....	3.16	.....	.....	.....	.....	4.5	9
Extremes	.....	.....	76	−32	.....	.....	11.18	0.11	4.01	.....	.....

Climatological Data, December, 1931

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 precip., 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Maryland																				
Aberdeen	Harford	80	13	41.0	+6.3	64	19	19	8	31	2.39	−0.03	1.05	0.1	8	6	10	15	sw.	U. S. Army.
Annapolis	Anne Arundel	45	66	45.1	+8.0	68	19	22	8	30	2.21	−1.29	1.00	0.5	6	8	11	12	nw.	Louis E. Foster.
Baltimore*		115	61	45.7	+8.5	70	12	26	8	25	2.20	−1.17	0.92	0.7	7	7	11	13	sw.	U. S. Weather Bureau.
Bell††	Prince Georges	151	11	42.2	+6.9	69	14	12	27	37	2.13	−0.39	0.91	0.5	6	11	10	10	nw.	Bureau Plant Industry.
Boyds	Montgomery	375	12	41.1	+5.3	67	12	15	27	36	2.00	−0.42	0.98	0.5	7	11	9	11	nw.	Ralph F. Staley.
Cambridge (near)	Dorchester	25	38	45.8	+7.9	68	14	23	3	28	2.77	−0.48	2.00	T.	4	15	6	10	nw.	Matt Harding.
Cecilton	Cecil	85	13	43.0	+6.8	65	†12	21	8	36	2.39	−0.37	0.90	T.	7	12	6	13	sw.	James Reese Short.
Cheltenham	Prince Georges	230	31	44.2	+8.4	68	19	17	27	32	2.03	−1.34	0.80	1.0	6	10	11	10	nw.	Geo. Hartnell.
Chewsville	Washington	530	34	39.6	+6.9	66	12	15	†8	33	1.91	−0.75	0.80	1.5	9	10	9	12	nw.	D. Paul Oswald.
Clear Spring	do	600	34																	Mrs. Anna B. Cohill.
Coleman††	Kent	80	34	43.6	+7.6	65	†14	23	8	28	2.57	−1.01	0.80	T.	6	12	8	11	nw.	Walter B. Harris.
College Park	Prince Georges	87	45	43.8	+7.8	70	14	18	3	37	2.19	−0.82	0.89	0.8	9	10	11	10	nw.	Prof. Thos. H. White.
Crisfield	Somerset	5	12	47.0	+6.5	66	†13	25	†8	27	1.98	−1.60	0.83	0.0	7	9	12	10	sw.	A. B. Cochrane.
Cumberland	Allegany	623	59	42.8	+8.8	70	12	20	†3	34	2.76	+0.26	1.17	2.0	14	13	5	13	.....	Harvey H. Weiss.
Darlington	Harford	300	41	40.4	+6.8	63	12	18	3	32	2.12	−1.47	1.00	0.2	7	9	10	12	nw.	Fred. C. Jones
Easton	Talbot	35	41	44.6	+7.7	67	13	24	†8	28	2.11	−0.93	1.18	T.	5	13	8	10	nw.	Clement E. Bray.
Elkton	Cecil	28	5	41.0	.....	64	19	18	8	33	2.27	.....	1.00	T.	7	14	4	13	w.	H. W. Bouchelle.
Emmitsburg	Frederick	720	63	42.0	+8.6	66	12	20	8	29	2.87	−0.27	1.70	1.5	8	9	10	12	w.	Mt. St. Mary's College.
Fallston††	Harford	450	62	41.6	+7.7	66	12	17	8	25	2.12	−1.42	0.99	0.5	7	8	11	12	sw.	Miss Dora Curtiss.
Ferry Landing††	Calvert	110	15	45.2	+7.9	70	19	21	†8	31	2.05	−0.59	1.05	1.0	5	10	11	10	nw.	Thos. J. Bourne.
Frederick	Frederick	325	57	42.5	+7.7	64	19	18	27	25	1.99	−1.08	1.23	1.0	7	10	9	12	w.	August T. Brust.
Friendsville	Garrett	1,501	13	39.2	+6.9	62	12	10	8	32	5.04	+1.44	1.56	T.	12	4	5	22	.....	Joab J. Friend.
Frostburg	Allegany	1,929	30	39.8	+8.0	64	13	14	8	33	3.08	+0.15	1.27	2.0	10	14	4	13	w.	T. F. Lewis.
Grantsville	Garrett	2,351	38	37.0	+7.6	60	†11	10	8	36	4.59	+1.11	1.37	2.5	20	4	5	22	w.	Floyd J. Miller.
Great Falls††	Montgomery	200	42	42.0	+7.8	69	14	16	27	36	1.92	−1.17	0.91	0.5	11	8	12	11	sw.	Chas. E. Sullivan.
Hancock (Tonoloway)	Washington	455	21	41.5	+8.2	68	12	13	†8	40	2.05	−0.57	1.11	2.0	7	14	5	12	.....	American Fruit Growers.
Hancock (City)	do	421	7								1.76	−0.86	0.88	2.0	9				.....	William R. Murray.
Keedysville	do	400	27	41.4	+7.6	65	12	15	27	32	1.87	−0.91	1.05	1.0	8	11	8	12	nw.	J. A. Miller.
La Plata	Charles	190	11	44.6	+6.5	72	19	19	27	37	2.44	−0.24	1.24	1.0	5	12	8	11	sw.	Walter M. Page.
Laurel	Prince Georges	320	37	43.4	+8.7	69	12	18	8	29	1.86	−1.49	0.87	0.5	6	10	10	11	.....	Evan G. Chaney.
Lutherville	Baltimore	340	5	41.8	.....	71	12	15	8	38	1.96	.....	0.92	0.6	6	8	10	13	sw.	August W. Clark, P. M.
Maryland Line	do	840	7	40.7	.....	68	12	18	8	27	2.19	.....	1.10	0.5	8	10	9	12	w.	Chester L. Fulton.
Mechanicsville	St. Marys	165	5								2.95	.....	1.85	0.5	4	13	8	10	sw.	Zach S. Graves.
Millington	Kent	27	34	43.7	+7.9	65	†12	19	27	29	1.87	−1.79	0.68	T.	7	13	7	11	w.	Henry L. Higman.
Oakland	Garrett	2,461	32	38.9	+9.3	62	24	10	†8	39	4.75	+0.93	1.60	0.8	18	6	4	21	w.	R. E. Weber.
Parkton§	Baltimore	780	1	41.1	.....	66	12	18	8	26	2.32	.....	1.07	0.6	9	8	11	12	nw.	C. B. Cornell.
Picardy	Allegany	900	5	41.2	.....	66	12	14	8	31	2.08	.....	1.08	2.0	9	13	6	12	w.	American Fruit Growers.
Pleasant Hill††	Baltimore	660	7								2.36	.....	1.12	0.6	7	7	12	12	nw.	J. E.Henry.
Pocomoke City	Worcester	37	26								2.43	−0.88	1.14	0.0	6	11	10	10	.....	Wm. H. Dryden.
Princess Anne	Somerset	17	56	43.6	+4.9	68	13	20	3	37	2.33	−0.87	1.00	0.0	7	11	9	11	sw.	James R. Stewart.
Ridgely	Caroline	57	10	44.4	+8.2	66	13	22	†8	28	2.66	−0.44	1.52	T.	6	9	12	10	sw.	Albert White.
Rock Hall	Kent	25	17	43.6	+6.9	65	†12	21	16	32	2.04	−0.88	0.80	T.	11	12	8	11	nw.	Charles Judefind.
Salisbury	Wicomico	23	26	46.0	+7.5	67	†13	23	8	29	2.01	−1.34	1.21	0.0	6	16	5	10	sw.	Homestead Dairy Farms.
Sines (Deep Creek)	Garrett	2,040	4	37.6	.....	62	24	9	8	37	4.63	.....	1.28	T.	14	5	4	22	.....	C. E. MacMurray.
Snow Hill	Worcester	15	1	46.5	.....	71	13	20	3	36	2.32	.....	1.02	0.0	4	11	10	10	sw.	Richard Leake
Solomons§§	Calvert	20	40	46.2	+7.5	68	20	21	8	25	3.09	+0.45	1.95	0.5	4	14	7	10	nw.	J. J. Daley
State Sanatorium	Frederick	1,460	23	40.4	+8.2	68	12	17	8	27	2.57	−0.45	1.10	1.5	9	7	12	12	.....	Dr. V. F. Cullen.
Stevensville	Queen Annes	12	5	45.0	.....	65	†14	25	8	26	1.96	.....	0.97	T.	4	8	13	10	sw.	T. R. Price.
Towson	Baltimore	465	19								2.22	−0.88	1.03	0.6	7	7	11	13	.....	Metropolitan District.
Western Port	Allegany	1,000	38	42.3	+8.0	70	12	17	8	36	3.08	+0.71	1.40	2.0	9	.....	.....	.....	.....	Norris Bruce.
Westminster	Carroll	770	22																.....	Stewart N. Dutterer.
Woodstock	Baltimore	415	61	41.8	+7.5	67	14	15	27	34	2.32	−0.75	1.09	0.5	9	9	10	12	nw.	Woodstock College.
Dist. of Columbia																				
Washington**		112	61	44.2	+7.6	70	14	24	8	31	2.03	−1.29	1.05	1.0	9	6	9	16	nw.	U. S. Weather Bureau.
Delaware																				
Bridgeville	Sussex	45	8	45.0	+7.8	67	13	20	27	30	2.36	−1.02	1.49	0.0	8	14	7	10	nw.	George Ray.
Delaware City	New Castle	12	45	43.6	+7.6	66	13	19	8	32	2.45	−1.03	0.90	T.	6	11	7	13	nw.	James E. Maden.
Dover	Kent	34	42	44.6	+7.9	66	†12	23	8	27	2.44	−0.86	1.32	T.	8	13	8	10	nw.	Arthur G. Livingston.
Milford	Sussex	20	49	45.3	+7.4	67	13	22	†8	30	2.29	−1.42	1.37	0.0	7	12	9	10	w	Chas. J. Holzmueller.
Millsboro	do	20	39	46.0	+8.5	69	†13	22	†8	31	2.04	−1.72	1.05	0.0	7	15	6	10	sw.	Rev. Geo. W. Daugherty.
Wilmington	New Castle	86	38	42.2	+7.2	64	12	18	8	27	2.32	−1.30	1.08	T.	6	12	5	14	nw.	Street and Water Depts.
Means and extremes:																				
For Maryland and District of Columbia.				42.6	+7.4	72	19	9	8	40	2.47	−0.64	2.00	0.7	8	10	9	12	nw.	
For Delaware				44.4	+7.4	69	†13	18	8	32	2.32	−1.22	1.49	T.	7	13	7	11	nw.	
For entire section				42.8	+7.4	72	19	9	8	40	2.45	−0.71	2.00	0.6	8	10	9	12	nw.	

The departures from normal temperature and precipitation are computed only for such stations as have 10 or more years of record, but all complete reports are used in determining section or division means. Data in italics determined from surrounding stations. T. Precipitation is less than 0.01 inch rain or melted snow.

§Prettyboy Dam. §§Drum Point Light station. ††Post addresses of these stations are as follows: Of Bell, Glenndale; of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Pleasant Hill, Owings Mills. †Also on other dates. *Custom House, Gay and Water Sts. **Weather Bureau Building, 24th and M Sts.

Daily Precipitation for December, 1931

Stations	Watershed	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				.32					1.05		.11	.12	.21	.06							.01	.51										2.39
Annapolis	do	T.			.20					1.00		T.	T.	.22	.08					T.			.67	.04									2.21
Baltimore***	do	T.			.21					.92		.14	.22	.12	.04							T.	.55		T.	T.							2.20
Bell	do	T.			.18	T.				.91	.01	T.	T.	.31	T.								.66	.06	T.								2.13
Boyds	do				.15					.98		.11	T.	.25	.07								.41		.02							.01	2.00
Cambridge(near)	do				.05					.60		T.	T.	T.	.12								2.00										2.77
Cecilton	do				.35	T.		.15		.90		.10	T.	.15	.20								.54										2.39
Cheltenham	do				.18					.79		T.	T.	.12	.14								.77	.03									2.03
Chewsville	do				.08					.80	.05	.32	.06	.15	.04								.38		.03	T.			T.	T.		T.	1.91
Clear Spring	do																																
Coleman	do				.33					.80		.32	T.	.35	.07								.70										2.57
College Park	do				.12	.01				.89		.01	T.	.48	.04								.59	.03	.02							T.	2.19
Crisfield	do	.04			.02					.58		T.	.29	T.	.18								.83						.04				1.98
Cumberland‖‖	do	.03			.01	.07				.68	.49	.01	.68	.25	.28	.02				T.	T.		.03	.02		.17				.02			2.76
Darlington	do				.22					1.00		.22	.17	*	.10								.41	T.									2.12
Easton	do				.09					.68		T.	T.	.08	.08								1.18										2.11
Elkton	do				.40			T.		1.00		.12	.03	.24	.04								.44										2.27
Emmitsburg	do				.10					1.70	T.	.32	*	.30	.10								.30		.05								2.87
Fallston	do				.25					.99		.12		.23	.05								.46	.02									2.12
Ferry Landing	do				.12					.78		T.	T.	.04	.06								1.05										2.05
Frederick	do				.10					1.23		.17	.08	.14	.05								.22		T.								1.99
Friendsville	Ohio				.38					1.10	*	.85	.76	.90	.35					T.	T.	*	*	*	.40	.30			T.			T.		5.04
Frostburg	Atlantic				.06	.07				*	1.27	.60	.24	.58	.05					T.	T.		.03		.18								3.08
Grantsville	Ohio			.03	.16	.20	.05	T.		.45	.05	1.09	.78	1.05	.32	.02		.01		T.	.07	.01	*	.18	.39	.09	T.		.03			.11	4.59
Great Falls‖‖	Atlantic	.18			.06	.04				.33	.58	T.	.03	.13	.11	.03							.32	.11		T.							1.92
Hancock (Tonoloway)	do				.06					1.11		.33	.10	.22	.05								.18		T.								2.05
Hancock (City)‖‖	do					.07				.25	.63	T.	.32	*		.25							.05	.19		T.							1.76
Keedysville	do				.06					1.05		*	.18	.16	.04								.33		.05							T.	1.87
La Plata	do				.12					.95		T.	.04	T.	.09								1.24										2.44
Laurel	do	T.			.23	T.				.87		T.	T.	.12	.02								.51	.11	T.	T.							1.86
Lutherville	do				.23					.92		.13	.03	.20	.05								.38	.02		T.							1.96
Maryland Line	do				.25					1.10		.24	.10	.12	.05								.23	.10									2.19
Mechanicsville	do				.10					.82		T.	T.	T.	.18								1.85										2.95
Millington	do				.23			.03		.66		.11	T.	.14	.02								.68										1.87
Oakland	Ohio				.22	.04				*	1.60	.78	.58	.54	.32	T.				.03	.04	.02	.13	.03	.23	.10		.03	.01	.05		T.	4.75
Parkton§	Atlantic				.24	.03				1.07	T.	.19	.13	.18	.10							.27	.11										2.32
Picardy	do				.08	T.				1.08	*	.29	.12	.28	.08								.10		.05								2.08
Pleasant Hill	do				.32					1.12		.12	*	.20	.10					T.			.50	T.		T.							2.36
Pocomoke City	do	.04			T.					.88		T.	.18	T.	.14								1.14						T.			.05	2.43
Princess Anne	do	.05			.03					.93		T.	.12	T.	.20							.15	.85						T.			T.	2.33
Ridgely	do				.14					.75		.04	T.	.08	.13								1.52										2.66
Rock Hall	do	.05			.22			.02		.80	.05	.03	.05	.13	.03								.65	.01									2.04
Salisbury	do	.04			.03					.58		T.	.05	T.	.10								1.21						T.				2.01
Sines**	Ohio			T.	.32				.02	1.26		1.10	.20	.59	.40					.03	T.	.04	.17		.28	.16			.04			.02	4.63
Snow Hill	Atlantic	T.			T.					1.02		T.	.10	T.	.20								1.00						T.				2.32
Solomons§§	do				.04					1.00		T.	T.	T.	.10								1.95										3.09
State Sanatorium	do				.10					1.10	.05	.33	.26	*	.35								.30		.08								2.57
Stevensville	do				.03			T.		.97		T.	T.	.04	T.								.92										1.96
Towson	do				.23					1.03		.17	*	*	.41								.38	T.		T.							2.22
Western Port	do				.08	T.				*	1.40	.55	*	.60	.12								.08		.25								3.08
Westminster	do																																
Woodstock	do	T.			.19	T.				1.08	.01	.18	.03	.33	.07					T.			.40	.03		T.							2.32
District of Columbia																																	
Washington***	Atlantic				.09				T.	1.05		T.	.10	.22	.01							.02	.50		.01					T.		.03	2.03
Delaware																																	
Bridgeville	Atlantic				.04					.68		.02	.01	.02	.10								1.45	.04									2.36
Delaware City	do				.50					.90		.10	T.	.15	.05								.75										2.45
Dover	do				.08					.80		.04	T.	.10	.03								1.26	.06		.07							2.44
Milford	do				.05					.63		.04	.05	.05	.10								1.37										2.29
Millsboro	do				.04					.70		.05	.05	*	.15								1.15										2.04
Wilmington	do				.46					1.08		.12	T.	.16	.07								.43										2.32

Except as otherwise indicated, observations are generally made late in afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.
***Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. **Precipitation is for 24-hour period, midnight to midnight.
‖‖Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *Precipitation included in the next following measurement.
T. Trace, or less than 0.01 inch. §Prettyboy Dam. §§Drum Point Light Station. Data in italics determined from surrounding stations.

Errata:

November, 1931.---Page 42: Bridgeville, highest temperature published 74, should be 78.

Daily Temperatures for December, 1931

Station		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	48	44	48	50	48	52	48	32	46	50	52	63	52	64	43	49	50	51	64	58	45	53	62	55	55	40	42	41	49	48	38	49.7
	Minimum	37	24	21	44	30	29	27	19	29	35	41	45	48	39	24	23	27	31	33	36	34	44	46	43	33	29	23	26	27	28	28	32.4
Annapolis	Maximum	62	47	50	50	53	52	58	43	45	54	53	61	57	67	56	50	53	56	68	64	51	55	60	56	57	43	42	42	51	49	43	53.2
	Minimum	45	35	27	43	44	33	37	22	28	34	44	46	50	48	38	28	31	35	38	46	36	46	47	46	43	30	23	30	30	33	32	37.0
Baltimore (U.S.W.B.)	Maximum	52	48	51	56	52	54	51	35	43	55	54	70	55	68	46	51	56	58	66	65	49	55	61	59	59	44	46	43	53	49	41	53.1
	Minimum	41	36	35	43	31	30	30	26	29	39	47	52	50	44	35	32	38	43	43	40	37	48	52	51	58	32	29	32	37	37	32	38.3
Bell	Maximum	61	45	50	51	51	53	50	41	39	54	58	64	62	69	56	50	54	58	65	62	51	54	60	60	61	42	44	40	50	48	44	53.1
	Minimum	42	30	17	33	41	28	31	15	25	30	38	41	49	49	27	18	20	27	28	39	33	45	45	40	40	28	12	21	26	26	26	31.3
Boyds	Maximum	54	43	49	52	52	52	49	35	34	53	52	67	58	63	45	52	53	56	64	61	48	51	59	57	55	41	44	41	48	46	39	50.7
	Minimum	40	26	16	40	31	28	31	22	25	30	38	44	49	44	34	17	20	29	28	40	29	44	45	39	36	28	15	22	28	31	28	31.5
Cambridge (near)	Maximum	61	49	50	59	59	55	52	49	55	55	56	65	67	68	61	50	53	58	65	65	54	59	62	61	65	46	43	43	51	48	44	55.7
	Minimum	46	36	23	38	44	31	36	26	27	34	40	45	53	56	37	24	25	31	40	43	33	46	44	42	45	32	27	27	27	29	29	36.0
Cecilton	Maximum	61	44	49	48	51	54	51	41	49	51	51	65	65	64	62	49	50	52	64	61	44	58	63	61	59	44	43	40	49	47	39	52.5
	Minimum	41	31	23	38	41	30	35	21	26	34	41	46	49	47	34	24	27	31	28	35	31	40	46	42	43	28	23	24	27	29	28	33.6
Cheltenham	Maximum	63	46	51	52	53	55	53	42	44	56	60	66	63	67	56	50	55	55	68	64	52	55	60	60	63	43	47	40	49	50	42	54.5
	Minimum	44	30	23	39	42	31	30	21	27	29	39	45	51	47	32	21	23	33	37	46	38	45	40	41	42	28	17	26	25	28	32	33.9
Chewsville	Maximum	50	43	47	53	51	50	49	32	32	44	51	66	53	60	43	50	52	55	61	58	46	55	55	60	54	41	41	37	47	46	38	49.0
	Minimum	38	31	20	40	29	30	25	15	24	31	33	44	45	40	22	23	22	22	38	41	28	42	45	43	33	22	15	23	28	20	26	30.3
Coleman	Maximum	59	46	51	49	50	54	49	42	46	52	54	64	58	65	56	50	52	52	64	61	44	58	63	61	59	44	43	40	49	47	39	52.5
	Minimum	41	31	23	38	41	30	35	21	26	34	41	46	49	47	34	24	27	31	28	35	31	40	46	42	43	28	23	24	27	29	28	33.6
College Park	Maximum	63	46	50	52	53	54	52	42	39	56	60	66	62	70	55	51	55	59	66	64	52	54	60	60	59	42	45	44	50	51	44	54.1
	Minimum	45	30	18	37	42	30	33	20	27	30	38	45	52	50	32	19	21	25	29	42	35	46	47	40	40	30	24	22	28	31	30	33.5
Crisfield	Maximum	61	53	52	61	59	56	54	52	56	54	58	64	66	66	63	50	53	57	65	64	55	61	60	62	62	47	42	44	50	47	45	56.1
	Minimum	46	37	27	46	45	34	38	25	29	39	36	50	54	55	40	25	30	39	41	44	39	47	45	45	44	33	26	29	30	34	32	38.0
Cumberland§§	Maximum	46	46	48	57	48	52	44	34	49	50	51	70	52	62	45	51	60	60	63	55	51	58	61	64	44	45	41	45	48	49	41	51.3
	Minimum	43	32	20	24	42	28	30	20	22	33	40	42	46	48	36	29	26	28	38	53	40	40	46	52	40	29	20	26	29	31	32	34.4
Darlington	Maximum	59	42	48	51	47	50	47	39	42	47	50	63	50	61	57	48	52	50	62	62	45	52	60	56	48	36	43	41	44	41	40	49.5
	Minimum	41	31	18	36	37	25	29	21	22	35	39	44	46	47	34	20	22	24	29	38	27	40	45	43	35	23	23	25	23	27	23	31.4
Easton	Maximum	60	47	51	57	53	55	53	43	53	55	56	64	67	64	55	50	54	55	65	65	51	58	61	61	62	42	43	42	51	48	41	54.3
	Minimum	45	29	25	45	40	28	36	24	26	33	41	45	52	44	37	25	26	28	38	45	35	45	46	42	41	29	24	27	27	29	27	35.0
Elkton	Maximum	55	45	49	49	49	52	50	34	46	49	50	62	55	63	50	51	52	50	64	57	45	54	61	58	53	41	44	40	51	49	39	50.5
	Minimum	39	28	22	32	30	24	30	18	27	35	42	44	49	47	32	21	23	25	31	35	32	42	46	41	37	27	20	21	24	25	26	31.5
Emmitsburg	Maximum	59	49	49	52	53	47	48	33	33	45	47	66	59	60	48	50	49	54	61	59	45	52	55	60	54	42	42	38	46	42	40	49.6
	Minimum	40	31	26	40	39	27	30	20	25	32	38	47	45	45	33	21	31	38	45	43	28	42	48	46	38	26	24	28	32	26	28	34.3
Fallston	Maximum	57	42	48	50	50	49	47	36	41	49	50	66	59	62	51	47	50	51	62	61	45	51	58	56	53	39	42	41	48	45	40	49.9
	Minimum	41	30	25	38	35	24	28	17	24	34	41	47	46	47	30	25	30	34	38	42	30	41	47	45	37	26	23	24	28	28	26	33.3
Ferry Landing	Maximum	63	47	50	52	54	55	54	43	49	58	59	66	69	68	53	51	55	60	70	66	52	56	62	61	64	44	45	42	52	52	47	55.5
	Minimum	41	32	27	35	41	33	33	21	27	30	40	48	51	46	35	24	27	35	39	47	38	45	43	42	42	25	21	27	25	30	31	34.9
Frederick	Maximum	59	45	45	51	51	51	49	38	33	49	48	63	59	62	50	50	51	54	64	60	49	51	57	57	55	42	43	40	49	47	44	50.5
	Minimum	42	30	22	37	42	28	32	21	26	32	41	45	47	45	36	25	28	35	43	47	30	44	49	45	37	29	18	24	30	30	30	34.5
Friendsville	Maximum	44	38	48	53	44	41	42	29	46	47	61	62	61	59	38	42	51	51	53	59	60	51	60	56	35	40	38	40	44	40	40	47.9
	Minimum	31	21	16	38	30	25	25	10	25	36	38	50	44	35	25	26	23	29	39	39	30	46	41	50	27	19	13	25	31	25	31	30.4
Frostburg	Maximum	46	42	53	55	46	43	40	30	33	47	42	60	64	60	40	43	53	52	54	54	53	54	53	57	57	40	44	40	41	44	40	47.7
	Minimum	34	24	20	37	35	31	25	14	21	32	37	39	42	37	27	27	29	35	45	43	35	42	43	51	25	22	17	27	34	29	29	31.9
Grantsville	Maximum	49	36	52	53	42	37	33	28	44	43	60	60	59	54	33	39	47	49	48	46	53	55	51	59	50	34	37	38	39	41	42	45.5
	Minimum	27	22	16	33	28	23	20	10	23	35	37	48	43	33	24	24	22	30	35	36	28	45	41	46	24	19	13	23	25	24	25	28.5
Great Falls	Maximum	59	46	46	55	55	55	51	40	36	54	57	67	56	69	56	50	55	57	65	62	49	55	58	57	55	42	45	40	47	47	45	52.6
	Minimum	40	28	19	41	31	27	26	21	26	28	37	42	48	48	32	19	19	25	31	39	34	45	45	39	38	30	16	21	25	26	28	31.4
Hancock (Tonoloway)	Maximum	51	45	52	55	54	53	50	35	34	46	45	68	56	62	45	52	59	59	64	62	49	48	60	67	63	45	44	44	48	49	47	52.0
	Minimum	41	30	14	33	38	27	33	13	25	32	32	41	44	41	34	20	19	30	35	44	32	43	46	47	35	19	13	21	29	23	28	3.0
Keedysville	Maximum	59	45	50	52	51	52	49	37	34	45	48	65	59	63	48	51	54	51	63	59	51	51	57	57	54	43	42	41	49	46	43	5.6
	Minimum	40	31	19	40	42	30	27	18	27	32	33	46	49	45	35	21	22	25	34	36	30	44	46	45	37	25	15	24	29	23	28	32.2
La Plata	Maximum	64	48	51	53	53	57	52	42	41	59	64	68	67	68	56	51	55	61	72	68	57	56	64	62	63	44	46	43	52	51	43	55.8
	Minimum	44	30	21	39	40	28	26	20	26	28	35	49	52	53	30	20	22	35	35	46	37	44	38	39	44	28	19	25	26	27	33	33.5
Laurel	Maximum	60	45	48	50	52	52	51	40	38	54	57	69	60	68	53	51	53	59	65	64	49	53	59	60	56	42	44	42	50	48	42	52.7
	Minimum	43	29	25	39	41	29	28	18	25	30	40	47	48	48	30	23	26	34	36	46	34	44	44	45	39	28	21	24	29	31	30	34.0
Lutherville	Maximum	59	48	52	50	53	56	50	38	38	53	51	71	61	65	52	52	53	52	66	65	48	52	53	56	54	44	46	42	52	51	44	52.5
	Minimum	40	30	17	37	40	24	27	15	26	32	42	44	48	49	31	19	22	26	28	39	29	41	44	39	35	28	16	22	27	25	25	31.2
Maryland Line	Maximum	58	42	48	52	52	50	47	34	37	45	47	68	60	63	49	47	50	51	60	57	41	50	56	56	55	36	43	38	47	44	35	49.0
	Minimum	37	30	24	35	33	23	30	18	22	32	40	47	45	47	33	22	31	33	38	40	27	38	45	44	36	25	23	24	29	27	26	32.4
Millington	Maximum	61	47	50	55	51	54	50	42	50	54	53	65	60	65	59	49	53	52	64	61	49	58	61	62	60	44	42	43	50	47	45	53.4
	Minimum	43	34	22	38	39	28	32	22	27	35	40	45	50	50	35	24	24	28	35	40	34	45	47	46	43	29	19	23	27	25	24	34.0
Oakland	Maximum	43	40	52	53	38	42	39	29	42	45	61	61	60	58	38	43	53	55	50	52	55	60	51	62	56	37	47	40	40	47	39	48.0
	Minimum	31	22	13	38	32	25	24	10	26	38	33	52	46	35	25	25	17	28	37	39	28	44	41	50	27	19	10	26	32	25	27	29.8
Parkton	Maximum	58	42	49	52	52	50	46	34	37	46	48	66	60	62	48	48	52	52	61	60	42	51	55	56	52	38	42	44	46	45	38	49.4
(Prettyboy Dam)	Minimum	39	30	24	37	36	24	30	18	22	32	40	46	44	46	32	26	30	36	38	42	28	39	45	43	36	24	22	25	28	27	28	32.8
Picardy	Maximum	51	42	47	52	52	50	47	30	34	45	46	66	59	58	41	49	57	56	60	59	49	52	52	63	59	40	41	39	43	41	42	49.1
	Minimum	38	30	20	36	35	27	29	14	24	32	37	42	45	40	32	29	26	35	47	46	35	43	46	50	32	26	18	23	31	29	31	33.2
Princess Anne	Maximum	63	44	54	61	54	58	53	32	58	56	59	65	68	66	46	50	55	59	67	65	51	62	61	66	63	42	45	40	51	49	46	55.1
	Minimum	42	23	20	46	31	26	30	23	26	33	33	47	54	43	26	20	23	29	30	40	38	46	41	38	35	30	23	23	27	26	27	32.2
Ridgely	Maximum	62	53	50	58	53	55	50	45	52	54	54	64	66	64	59	50	53	55	64	63	49	58	60	60	60	44	49	43	50	46	43	54.4
	Minimum	45	31	25	38	40	27	32	22	26	32	40	46	52	50	35	24	25	31	39	45	34	45	46	45	41	25	22	26	27	29	26	34.5
Rock Hall	Maximum	57	53	54	49	53	54	53	46	47	54	56	65	56	64	56	53	53	57	65	61	51	56	63	59	64	45	42	41	51	47	43	53.8
	Minimum	44	34	22	41	38	25	35	22	23	33	40	44	45	47	37	21	23	29	35	40	30	44	43	43	42	28	22	23	25	27	28	33.3
Salisbury	Maximum	61	46	53	61	60	57	47	43	56	56	57	65	67	62	55	50	55	57	65	65	50	61	64	67	65	40	42	45	52	50	45	55.5
	Minimum	46	34	24	41	43	28	33	23	27	36	40	49	58	55	35	24	27	35	38	42	39	46	45	44	40	32	25	32	28	29	30	36.4
Sines (Deep Creek)	Maximum	39	36	51	52	36	41	34	37	45	42	60	60	60	57	35	41	55	51	50	52	53	52	53	62	46	32	46	40	42	47	37	46.6
	Minimum	30	17	14	35	26	24	14	9	28	38	36	44	45	32	23	25	19	23	44	29	31	44	42	46	24	14	12	29	30	26	30	28.5
Snow Hill	Maximum	63	48	53	65	63	62	53	50	60	59	58	69	71	70	68	50	56	59	67	67	54	63	63	66	69	46	45	41	50	51	46	58.2
	Minimum	44	31	20	40	43	27	31	23	28	38	34	50	53	59	32	21	25	31	31	40	40	48	42	39	44	31	25	25	28	28	27	34.8
Solomons	Maximum	62	50	50	55	52	58	49	43	45	52	57	58	63	65	65	52	55	60	65	68	59	58	65	61	63	48	45	44	55	51	43	55.4
(Drum Point Lt. Sta.)	Minimum	43								21					53				39		50					47							37.0
State Sanatorium	Maximum	55	39	51	54	51	45	47	32	33	42	47	63	58	61	43	45	51	52	57	57	44	51	53	59	52	40	40	36	45	41	39	47.8
	Minimum	36	29	29	38	38	26	28	17	21	32	38	46	43	42	31	18	34	36	46	42	27	40	46	44	36	25	22	26	32	28	28	33.0
Stevensville	Maximum	62	51	48	55	55	53	51	42	47	53	55	62	58	65	58	55	52	54	65	60	50	55	63	57	60	43	44	41	49	48	42	53.3
	Minimum	46	38	30	40	38	31	35	25	29	34	42	46	50	49	37	29	30	32	39	45	35	45	45	45	42	31	29	30	30	29	29	36.6
Western Port	Maximum	53	47	48	54	51	51	48	33	35	47	47	70	56	58	45	50	60	60	68	60	48	58	59	64	62	43	40	37	51	50	43	51.5
	Minimum	39	27	21	37	38	23	32	17	27	32	37	43	45	42	32	26	24	33	37	47	34	44	48	43	36	27	18	25	35	30	28	33.1
Westminster	Maximum																																
	Minimum																																
Woodstock	Maximum	60	43	49	52	53	51	50	32	35	48	53	66	63	67	56	48	52	54	62	62	49	52	57	59	55	41	44	41	49	47	45	51.5
	Minimum	43	33	18	34	33	26	31	18	26	33	41	44	48	49	36	19	22	27	28	41	28	43	49	40	40	27	15	21	29	27	26	32.1
Washington, D. C.	Maximum	49	44	50	55	51	54	52	34	38	54	60	63	58	70	45	49	55	57	67	63	49	55	60	62	62	43	43	43	49	50	41	52.4
(U. S. W. B.)	Minimum	40	31	30	43	35	34	28	24	28	32	42	48	51	45	31	29	30	35	36	40	38	47	49	46	35	31	25	31	33	37	36	36.1
Delaware																																	
Bridgeville	Maximum	61	47	46	59	59	50	50	44	56	56	56	65	67	66	60	51	54	57	64	64	50	60	61	65	63	45	44	43	49	47	43	54.9
	Minimum	45	33	24	39	41	28	30	22	26	37	41	47	50	53	35	24	25	35	37	43	36	45	46	41	44	30	20	26	28	30	25	35.0
Delaware City	Maximum	60	45	50	51	49	52	50	45	50	52	49	65	66	65	64	48	52	52	65	60	48	60	64	57	54	48	44	45	50	49	45	53.4
	Minimum	41	30	27	38	39	27	29	19	28	35	42	43	47	46	32	27	28	36	38	38	33	44	46	42	40	22	23	25	26	27	29	33.8
Dover	Maximum	61	46	52	59	59	54	51	45	52	53	53	66	66	64	54	51	53	53	63	58	46	58	62	63	61	46	44	43	49	46	44	54.0
	Minimum	44	34	26	39	38	27	33	23	30	34	41	47	49	49	33	26	28	36	36	41	33	44	47	45	41	29	24	24	29	29	28	35.1
Milford	Maximum	61	47	51	61	60	55	52	45	55	56	55	65	67	66	62	52	55	55	63	63	51	61	62	65	64	45	43	45	51	47	44	55.6
	Minimum	45	33	25	41	43	28	31	22	27	33	40	48	51	52	32	23	25	32	39	42	37	46	47	44	43	29	22	24	28	27	25	35.0
Millsboro	Maximum	62	48	53	63	64	56	54	48	57	57	56	66	69	69	58	53	56	57	65	65	52	62	63	67	65	46	45	45	51	49	46	57.0
	Minimum	46	28	23	38	42	26	31	22	27	36	39	50	52	50	33	23	25	36	38	43	38	46	47	41	45	29	22	25	30	25	26	34.9
Wilmington	Maximum	59	43	48	49	50	50	48	45	48	49	50	64	61	61	57	47	50	47	59	56	44	55	60	60	55	50	42	48	47	44	40	51.2
	Minimum	42	32	28	37	34	25	27	18	26	35	41	47	48	45	33	26	30	35	38	32	30	42	45	45	38	25	21	25	29	28	26	33.3

§§Instruments are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Baltimore, Sines, and Washington are from midnight to midnight; other stations, except Cumberland are for 24-hour period ending late in afternoon, near sunset. Data in italics determined from surrounding stations.