

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

IN COOPERATION WITH MARYLAND STATE WEATHER SERVICE

CLIMATOLOGICAL DATA

15

MARYLAND AND DELAWARE SECTION

J. BILY, jr.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX BALTIMORE, MD., FEBRUARY 1945 No. 2

GENERAL SUMMARY

This was the third successive mild February. Precipitation averaged slightly above normal, but snowfall averaged below normal. The first half of the month was dry, but precipitation was frequent during the second half. Cloudiness was in excess of normal. Clear-sky, sunny periods were 1st-3d, 11-12th, and 18-19th. Monthly sunshine was 5% below normal. Strong winds were not damaging.

There was considerable ice at the head of Chesapeake Bay and much floating ice southward thereof during the first half of the month.

Cold periods were 1st-4th, 6-7th, 18th-21st, and 28th. The 8-17th was a prolonged mild period, with several warm days. The 22d-27th was a warm period.

Monthly precipitation was mostly between 3 and 4 inches, except between 4 and 6 inches in western Garrett County and in Somerset, Wicomico, Worcester, and extreme southeastern Sussex Counties, except slightly below 3 inches in Harford and central Baltimore Counties, except between 2.4 and 3 inches in Dorchester, Caroline, and Talbot Counties and over southern Maryland, and except between 1.7 and 3 inches from eastern Allegany County eastward into Frederick County.

Monthly snowfall increased from a trace in extreme southern Somerset County northward to mostly between 5 and 8 inches in the northern-border counties, except increased rapidly westward from 5 inches at the foothills to 12 to 14 inches over the highlands of the Allegheny Mountain region.

A snowstorm occurred on the 17th; the falls were 0.5 inch to 3 inches over the southern portion of the section, except a trace in extreme southern Somerset County, and were 3 to 7 inches over the northern portion of the section.

Light snow fell on the 8th, 11th, and 27th over the Allegheny Mountain region; on the 13th and 28th over the northern border counties; on the 22d at Oakland; and on the 23d at Mt. Savage Summit.

Snow flurries occurred on the 4th and 21st over the northern portion of the section, except light snow fell on the 21st over the Allegheny Mountain region and from southern Baltimore County northeastward into northern New Castle County; on the 8th over the northern counties eastward of the Allegheny Mountains; and on the 14th and 20th over western Maryland.

The ground was snow-covered from the 1st to the 22d in western Maryland, during the 1st-11th and 17th-22d in north-central Maryland, and during the 1st-5th, 13th, and 17th-22d over the extreme northern Eastern Shore.

Grains and pastures, dormant and poor, over the southern portion of the section greened slightly under the mild weather of the third decade. Disappearance of snow on the 22d over the northern portion of the section revealed grains in good condition and the greening of grains and grasses.

Activities were cutting wood, husking corn, butchering, pruning fruit trees, tending livestock, repairing, and hauling manure. There was no field work.

TEMPERATURE

The monthly mean for the section, 35.1°, is 1.8° above normal. The highest monthly mean was 40.7°, at Crisfield; the lowest, 25.7°, at Mt. Savage Summit. The highest temperature, 70°, occurred at Salisbury on the 22d; the lowest, 11° below zero, at Oakland on the 4th. The greatest local monthly range was 75° at Oakland; the least, 40°, at Oxford.

PRECIPITATION

The monthly average for the section, 3.14 inches, is 0.15 inch above normal. The greatest monthly amount was 5.72 inches at Sines; the least, 1.69 inches, at Edgemont. The greatest 24-hour precipitation was 2.70 inches at Sines on the 26-27th. The average monthly snowfall for the section, 4.9 inches, is 2.0 inches below normal. The greatest monthly snowfall was 13.5 inches at Friendsville; the least, a trace, at Crisfield. The greatest 24-hour snowfall was 7.0 inches at Friendsville and Oakland on the 17th.

COOPERATIVE STORM WARNING DISPLAY STATION

A cooperative storm warning display station was established on February 15, 1945, at Oxford, Md., under the supervision of Mr. Robert G.

Henry, jr., Vice President and General Manager of the Oxford Boatyard Company.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light.—4-10, 13-17, 20-23, 26-28. Fogs, heavy.—4, 8, 9, 13, 14, 20-23, 26-28. Glaze, light.—4, 5, 14, 15, 21. Glaze and sleet storm.—28. Halos, solar.—5, 7, 11, 14, 15, 25. Hail, trace.—4, 25, 26, 28. Robin, first.—Clear Spring, 12. Sleet, light.—4, 5, 6, 8, 13, 14, 15, 16, 17, 20, 21, 22, 23. Thunderstorm.—16. Winds, high.—1, 2, 4, 5, 10, 13, 15, 16, 22, 23, 24, 26, 27, 28. Oxford.—Trod Avon River, freezing on 1st, frozen over on 4th, ice breaking up on 9th, ice gone on 10th; pussy willows budding and wild geese flying north, 14; robins calling, 15. Solomons.—Drift ice in Potomac River, 3d to 9th; broken skim of ice across Potomac River, morning 4th.

PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAYS

Table with columns for Stations, Atmospheric pressure (Highest, Date, Lowest, Date), Wind (Average hourly velocity, Maximum velocity, Direction, Date), Mean relative humidity (7:30 a. m., 1:30 p. m., 7:30 p. m.), Percentage of sunshine, and Heating degree days (base 55°).

COMPARATIVE DATA FOR FEBRUARY

Table comparing data for Maryland and Delaware. Columns include Year, Temperature (Mean, Highest, Lowest), Precipitation (Average, Average snowfall, No. of days with 0.1 in. or more), and similar metrics for Delaware.

Climatological Data for February 1945

Table with columns: STATIONS, COUNTIES, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date), Precipitation (Total, Departure from normal, Greatest in 24 hours, Date, Total snowfall, With precip., Clear, Partly cloudy, Cloudy), Number of days (Prevailing direction of wind), OBSERVERS. Includes data for Maryland and Delaware stations.

All departures from normal are computed from the averages of the entire period for stations having 10 or more years of record, except that for First-Order Weather Bureau Stations they are based on adopted normals. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). T. Trace or 0.005 inch or less rain or melted snow. 1 Recording gage. Italics, Data interpolated. Elevations are of ground above mean sea level.

†Post addresses of these stations are as follows: Of Bell, Glennade; of Blackwater, Cambridge; of Coleman, Worton; of Edgemont, Smithsburg; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Picardy, Paw Paw, W. Va.; of Prettyboy Dam, Parkton; of Sines, Oakland; of Tonoloway, Hancock; of Trappe, Oxford; of Wiltondale, Towson. *Custom House, Gay and Water Sts. **Weather Bureau Building, 24th and M Sts. †Also on other dates. ‡On mountain top, 2 1/2 miles northwest of Frostburg. §Municipal Building. ¶Porter Reservoir. //Water Pumping Station. |||University Farm. ¶1 mile west. Figures and letters following station indicate distance and direction of the observation point from the City Postoffice. ¶1.8 miles west. ¶Private instruments.

/Thermometers are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Sines, and Washington are from midnight to midnight; at Dundalk, Mt. Savage Summit, Ocean City, and Snow Hill the thermometers are read at 1:30 a.m., the extremes are charged to the preceding day; at other stations temperatures are for a 24-hour period ending in late afternoon or near sunset, except 9 p.m. at Chestertown. Italics, Data interpolated.

Daily Precipitation for February 1945

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 ¹	Atlantic.				T.	.01			T.					.48	T.	T.	T.	.46			.08	.12	.34	.02			.78	.28	.46						2.93		
Annapolis ¹	do				.01	.01								.59	T.	T.	T.	.33			T.	.10	.32	.09			.36	.06	.14						2.01		
Baltimore ¹	do				.02				T.					.52	T.	T.	T.	.38			.01	.21	.29	.10			1.04	.25	.62						3.44		
Bell	do				T.	.04								.02	.06	T.	T.	.44	T.			.10	.46	.21			.58	.27	.63						3.31		
Blackwater	do				.05				T.					1.02	.06	T.	T.	.27	T.			.18	.40	.53			.02	.18	T.						3.01		
Charlotte Hall	do				T.	T.								.98	T.	T.	T.	.27	T.			.22	.40	.26			.11	*	.42						2.76		
Cheltenham ²	do				T.	.08			T.					.42	.46	T.	T.	.40	T.			.30	.70	T.			.70	.10	.40						2.39		
Chestertown	do				T.	.01			T.					.59	.01	T.	T.	.47	T.			T.	.04	.18	.09			.66	.03	.34						3.47	
Chesville	do				T.	.11			T.	.09				.16	.01	T.	T.	.55	T.			T.	.26	.41	T.			.86	.11	.44						3.52	
Clear Spring	do				T.	.05			T.					.50	.04	T.	T.	.45	T.			T.	.25	.78	T.			.78	.40	.43						3.68	
Coleman	do				T.	.01			T.					.62	.01	T.	T.	.49	T.			T.	.11	.40	T.			.68	.18	.36						3.05	
College Park	do				T.	.01			T.					.05	.28	T.	T.	.16	T.			T.	.30	.50			T.	1.00	.04							2.97	
Conowingo Dam ²	do				T.	.01			T.					1.25	T.	T.	T.	.30	T.			T.	.39	.59	T.			.56	.27							4.51	
Crisfield	do				T.	.09			T.	.14				.20	.12	T.	T.	.06	T.			T.	.14	.14				.12	.73							2.16	
Cumberland ²	do				.04	T.			T.	T.				.46	T.	T.	T.	.45	T.			.01	.23	.35	.10			.93	.16	.43						3.16	
Dundalk ³	do				.03	T.			T.					.69	.08	T.	T.	.07	T.			T.	.08	.45	.40			.15	.40	.37						2.91	
Edgemont ²	do				.05	T.			T.	.03				.05	*	T.	T.	.25	T.			T.	.20	.08				.75								1.69	
Elkton	do				.05	T.			T.	.12				.35	.40	T.	T.	.50	T.			T.	.14	.70	.70			.84	.35	.12						3.32	
Emmitsburg	do				T.	.07			T.					.35	.38	T.	T.	.48	T.			T.	.04	.50	.70			.70	.10	.40						2.66	
Fallston	do				T.	.07			T.					.99	.02	T.	T.	.48	T.			T.	.09	.36	.13			.58	.15	.42						2.93	
Ferry Landing	do				T.	.02			T.					.55	.01	T.	T.	.40	T.			T.	.06	.40	.15			.89	.15	.27						2.42	
Port George G. Meade	do				T.	.02			T.					.38	.10	T.	T.	.02	T.			T.	.08	.32	.04			.91	.10	.44						2.90	
Frederick	do				.02	.08			T.					.28	.10	T.	T.	.01	T.			T.	.08	.32	.04			.91	.10	.44						3.02	
Frederick Airport ³	do				.04	T.			T.					.38	.10	T.	T.	.01	T.			T.	.21	.20	.04			.99	.06	.41						2.79	
Friendsville	Ohio.	T.	T.	.10	.02	.06			.15				.20	.25	T.		.56	T.			T.	.35	T.			.74	1.60	.30								4.81	
Frostburg	Atlantic.	T.			T.	.09			.15				.02	.28	.15	T.	T.	.30	T.			.09	.25	T.			.73	.37	.38								3.37
Germantown	do				.03	.04								.62	T.	T.	.04	.31	T.			.05	.51	.07			.97	.11	.71								3.46
Great Falls ²	do				.04									.35	.42	T.	T.	.42	T.			.33	.35				.93									2.84	
Hancock ²	do				T.	.02			T.	T.				.16	.07	T.	T.	.05	T.			T.	.18	.05			.11	.71									1.85
Huntingtown	do				T.	.02			T.					1.10	.08	T.	T.	.27	T.			T.	.14	.39	.23			.13	.17	.20							2.71
Kedysville	do				T.	.08			.01					.52	.02	T.	T.	.65	T.			T.	.10	.16	.10			.75	.08	.40							2.64
La Plata	do				T.	.08			.01					1.00	.10	T.	T.	.90	T.			T.	.20	.50	.30			.30	.10	.30							3.60
Laurel	do				T.	.02			T.					.41	T.	T.	T.	.40	T.			T.	.07	.32	.13			.88	.12	.44							2.79
Luke ²	do				.12	T.			T.	.02				.37	.14	T.	T.	.19	T.			T.	.07	.13	.08			.09	1.08								2.63
Maryland Line	do				T.	.05			T.					.56	.05	T.	T.	.55	T.			T.	*	*	.55			.74	.35	.25							2.99
Millington	do				T.	.08			T.	.08				.56	T.	T.	T.	.47	T.			T.	.05	.78	T.			.46	.40	.38							3.18
Mt. Savage Summit ³	do				T.	.02			T.	.10			.08	.26	T.	T.	.31	.38	T.			.04	.01	.52	.01			.95	.08	.36							3.12
Oakland	Ohio.	.02	.02	T.	.02	.05			.08				.08	.27	.06	T.	T.	.36	T.			T.	.39	T.			1.20	1.03	.49								4.73
Ocean City ³	Atlantic.				T.		.17		.28					.93	T.		.86	.21	T.			.11	.17	.64	.55			.32	.34							4.08	
Oxford	do				T.				T.					.79	.03	T.	.02	.35	T.			.08	.30	.40			.09	.32	.28								2.66
Perry Point	do				.07				T.					.33	.05	T.	T.	.33	T.			.08	.60	.15			.85	.27	.25								2.99
Picardy	do				T.	.04			T.					.20	.10	T.	T.	.55	T.			.20	T.				.90										2.55
Prettyboy Dam	do				T.	.04			T.					.56	.03	T.	T.	.02	T.			T.	.04	.32	.32			.26	.33	.35							2.45
Ridgely	do				T.	.03			T.					.48	.04	T.	T.	.34	T.			T.	.06	.64	.93			.54	.35	.40							3.13
Rock Hall	do				T.	.03			T.					1.17	.10	T.	T.	.40	T.			T.	.24	.48	.25			T.	.14	.33							4.66
Salisbury	do				T.	.01			.04	.13				.64	T.	T.	.44	T.				.14	.33	.13			.68	.18	.40								2.90
Silver Spring	do				T.	.01								.64	T.	T.	.44	T.				.14	.33	.13			.68	.18	.40								2.90
Sines ¹	Ohio.	.03	.02	T.	.28	.08			.08	.02	.16			.32	T.		.58	.52	T.			.08	.01	.38	T.		2.17	.63	.36								5.72
Snow Hill ³	Atlantic.				.01		.19		.02					1.31			.44	T.				.24	.47	.83	.74			.63	.40								5.55
Solomons	do				T.	.08			T.					.79	.01	T.	T.	.38	.01	T.		.23	.26	.46			.03	.06	.20								2.51
State Sanatorium	do				T.	.05			T.					.35	.02	T.	T.	.55	T.			T.	.05	.30	.12			.69	.13	.38							2.64
Takoma	do				T.	.05			T.					.65	T.	T.	T.	.40	T.			T.	.12	.36	.20			.73	.11	.38							3.00
Tonoloway	do				T.	.07			T.	T.				.20	.03	T.	T.	.43	T.			T.	.02	.17	T.			.66	*	.42							1.93
Towson ²	do				T.	.07			T.	T.				.39	.05	T.	T.	.56	T.			T.	.01	.26	.34			T.	1.08								2.82
Trappe	do				T.	.07			T.	T.				.38	.02	T.	T.	.65	T.			T.	.08	.56	.06			.25	.80	.39							2.75
Unionville	do				T.	.07			T.	T.				.38	.02	T.	T.	.65	T.			T.	.10	.28	.06			.30	.10	.39							3.03
Western Port	do				T.	.08			.15		.02			.41	.02	T.	T.	.20	T.			T.	.05	.20	T.			.97	.30	.40							3.40
Westminster ²	do				.06	T																															

Daily Temperatures for February 1945-Continued

Table with columns for Stations (Maryland), days 1-31, and Mean. Rows list various stations like Aberdeen, Annapolis, Baltimore, etc., with their daily maximum and minimum temperatures.

See page 6 for explanation of reference marks.

(WBO, Philadelphia, Pa. - 5-18-45-1,200)