

U. S. DEPARTMENT OF AGRICULTURE. WEATHER BUREAU

in Cooperation with Maryland State Weather Service

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE SECTION
J. R. WEEKS
PRICE: 5 CENTS A COPY; 50 CENTS A YEAR
VOL. XL BALTIMORE, MD., JANUARY, 1935 No. 1

GENERAL SUMMARY
January was moderately colder than normal for the first time since 1925. Mild temperatures prevailed from 1st to 22d, except for moderate cold on 4-5th, 15-16th, and 19-20th.

This was the first January with abundant precipitation since 1932. The monthly average was one and one-half times the normal. Monthly snowfall averaged two and four-fifths times the normal, the greatest in January since 1922.

Snow was light on 15th, 16th, and 26th and light to moderate on 14th in the Allegheny Mountain region; was light to moderate on 19th and heavy on 22-23d in western Maryland; was light during night of December 31-January 1 and on 26th and light to moderate during nights of 16-17th and 19-20th over the section; was light in northern counties from Frederick to New Castle on 22d; on 23d was light to moderate over the southern Eastern Shore and heavy in north-central and southern Maryland and over the northern Eastern Shore.

Snow depths on 23d over the northern half of the section were mostly 10 to 18 inches. Strong northeast winds of 23d and strong northwest winds of 24th caused drifts several feet high, blocking roads and stalling traffic.

The dense fog of 6-10th grounded air transportation, interrupted shipping activities, and delayed land traffic.

Northwest gale of 14th uprooted trees and caused some damage locally. At Baltimore, an old 70 x 900 foot shed, and an unoccupied lumber shed were demolished and a number of homes were damaged.

More than one thousand poles were felled on the Eastern Shore and several hundred poles were felled in southern Maryland under the weight of heavy glaze (ice-coat) upon wires of 22-23d.

Rivers and the upper Chesapeake Bay were covered by heavy ice on and after the 25th, interrupting vessel movements and oystering.

Wheat, rye, and barley were green and in good condition and grasses were fair to good during the first and second decades, and were protected by heavy snow during the third decade.—J. B., Jr.

TEMPERATURE

The monthly mean for the section, 31.4°, is 1.5° below normal. The highest monthly mean was 36.5° at Crisfield; the lowest, 26.6° at Sines. The highest temperature, 71°, occurred at Princess Anne on the 9th; the lowest, 23° below zero, at Bell on the 28th. The greatest local monthly range was 87° at Oakland; the least, 57° at Annapolis. The greatest daily range was 57° at Oakland on the 28th.

PRECIPITATION

The monthly average for the section, 4.74 inches, is 1.51 inches above normal. The greatest monthly amount was 7.59 inches at Milford; the least, 2.89 inches at Chewsville. The greatest 24-hour amount was 3.81 inches at Milford on the 22-23d. The monthly average snowfall for the section, 20.1 inches, is 12.9 inches above normal. The greatest monthly snowfall was 29.0 inches at Cheltenham, Frederick, and Lutherville; the

least, 3.5 inches at Crisfield. The average number of days with 0.01 inch or more of precipitation, 11, is 1 above normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Aurora.—Grantsville, 27. Sundog.—Chewsville, 28.
Fogs, light.—1, 6, 7, 8, 9, 10, 11, 17, 20, 21, 22, 23.
Fogs, dense.—6, 7, 8, 9, 10, 21. Glaze, light.—1, 17, 20, 22, 23.
Glaze, heavy.—Southern Maryland and Eastern Shore, 22, 23.
Halos: Lunar.—12, 15, 18-19. Solar.—16, 18.
Sleet, light.—1, 13, 17, 19, 20, 22, 23, 29.
Sleet, heavy.—Eastern portion of section, 22-23.
Winds, high.—Northwest, 1, 3, 4, 11, 14(gale), 24, 27; northeast, 23; southeast, 13.

PRESSURE, HUMIDITY, SUNSHINE AND WIND

Table with columns: Stations, Atmospheric pressure reduced to sea level (Average, Highest, Date, Lowest, Date), Wind (Average velocity, Maximum velocity, Direction, Date), Mean relative humidity (8 a. m., Local m. n., 8 p. m.), Percentage of sunshine. Rows include Aberdeen, Annapolis, Baltimore, Elkins, Harrisburg, Norfolk, Philadelphia, Pittsburgh, and Washington, D.C.

COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR JANUARY

Table with columns: Year, Temperature (Mean, Departure, Highest, Lowest), Precipitation (Average, Departure, Greatest, Least, Average snowfall, With .01 in or more precipita'n), Number of days (Clear, Partly c'ly, Cloudy). Rows list years from 1895 to 1935 and a Period row.

Daily Precipitation for January, 1935

Table with columns: Stations, Drainage basin, Day of month (1-31), Total. Rows include Maryland (Aberdeen, Annapolis, Baltimore, etc.) and Delaware (Bridgeville, Delaware City, Dover, etc.)

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. T, Trace, or less than 0.01 inch.
\$\$\$Prettyboy Dam \$\$\$Municipal Building. \$\$\$\$Porter Reservoir. *Precipitation included in following measurement.

ERRATA:

January, 1934.—Page 1: Comparative Data for Maryland and Delaware, departure of mean temperature from normal, published +1.8, should be +11.8.

Daily Temperatures for January, 1935

Table with columns for Stations, 31 days, and Mean. Rows list various Maryland and Delaware locations such as Aberdeen, Annapolis, Baltimore, etc., with their respective temperature readings for each day of the month.

†Instruments are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Dundalk, Sines, and Washington are from midnight to midnight; other stations, except Cumberland, are for 24-hour period, ending late in afternoon, near sunset. (W. B., Richmond, Va., -3-5-35-930)