

U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
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# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 1959  
Volume LXIII No. 10



MARYLAND AND DELAWARE - OCTOBER 1959

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 94° on the 6th at Keedysville, Md.

Lowest Temperature: 21° on the 29th at Picardy, Md.

Greatest Total Precipitation: 10.33 inches at Luke, Md.

Least Total Precipitation: 2.42 inches at Washington WB City, D. C.

Greatest One-Day Precipitation: 4.93 inches on the 1st at Luke, Md.

Greatest Reported Snowfall: Trace at 2 Stations

Greatest Reported Depth of Snow on Ground: None









DAILY TEMPERATURES

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Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various stations like FORT GEORGE G MEADE, FREDERICK POLICE BRKS, etc.

See Reference Notes Following Station Index

DAILY TEMPERATURES

Table with columns for Station, Day Of Month (1-31), and Average. Rows include SOLOMONS, STEVENSVILLE 1 W, TAKOMA PARK MISS AVE, TOWSON, UNIONVILLE, U S SOLDIERS HOME D C, UPPER MARLBORO 3 NNW, VIENNA, VIERS MILL, WALDORF POLICE BRKS, WASHINGTON WB CITY DC, WATERLOO POLICE BRKS, WESTERNPORT, WESTMINSTER, WOODSTOCK, DELAWARE, BRIDGEVILLE 1 NW, DOVER, GEORGETOWN 5 SW, LEWES 1 SW, MIDDLETOWN 2 S, MILFORD, NEWARK UNIVERSITY FARM, SELBYVILLE, WILMINGTON NCASTLE WB AP, WILMINGTON PORTER RESVR.

EVAPORATION AND WIND

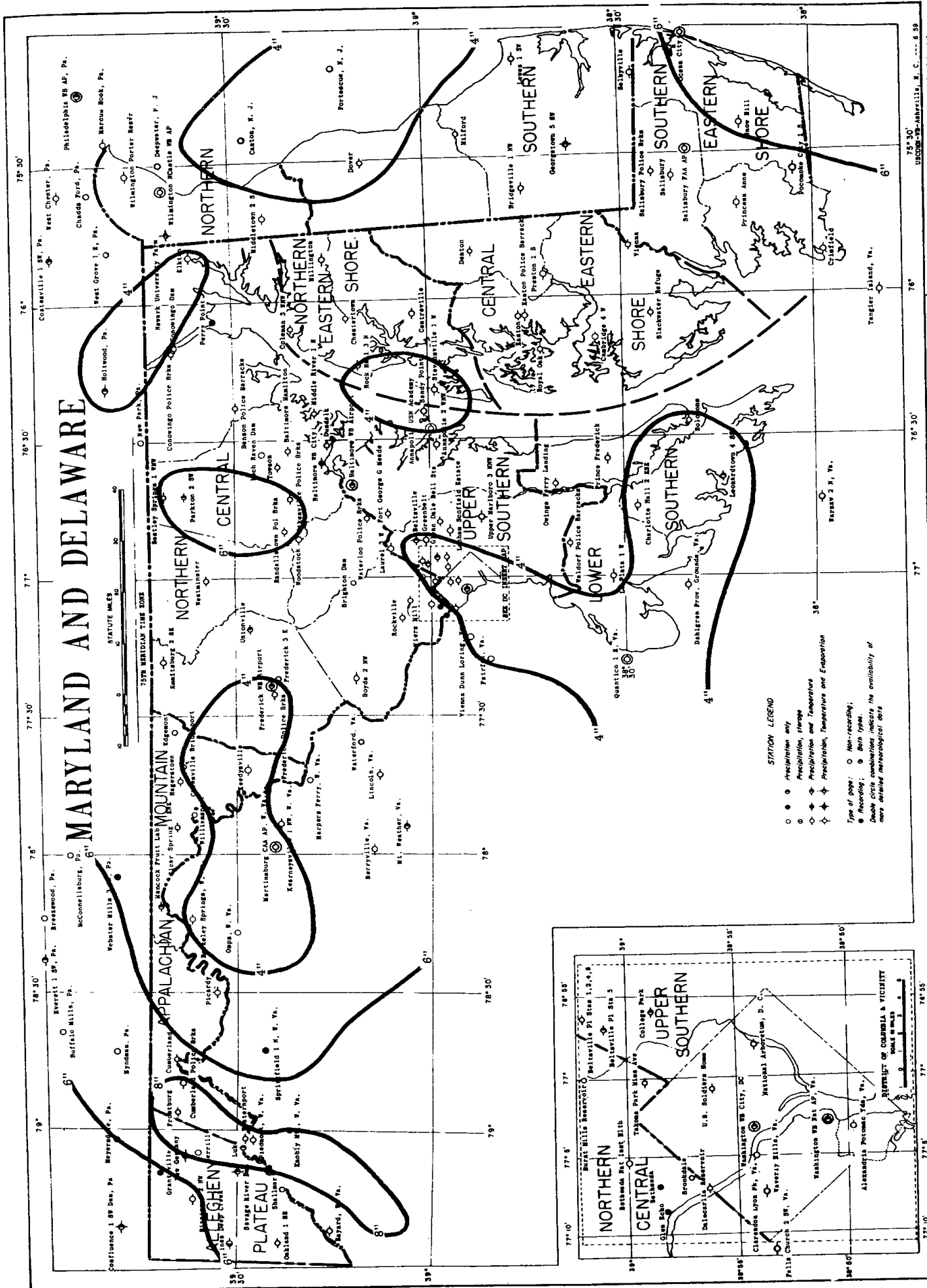
Table with columns for Station, Day of month (1-31), and Total to Avg. Rows include BELTSVILLE, MD., SAVAGE RIVER DAM, MD., UPPER MARLBORO 3 NNW, MD., GEORGETOWN 5 SW, DEL., NEWARK UNIV FARM, DEL.

See Reference Notes Following Station Index



# TOTAL PRECIPITATION

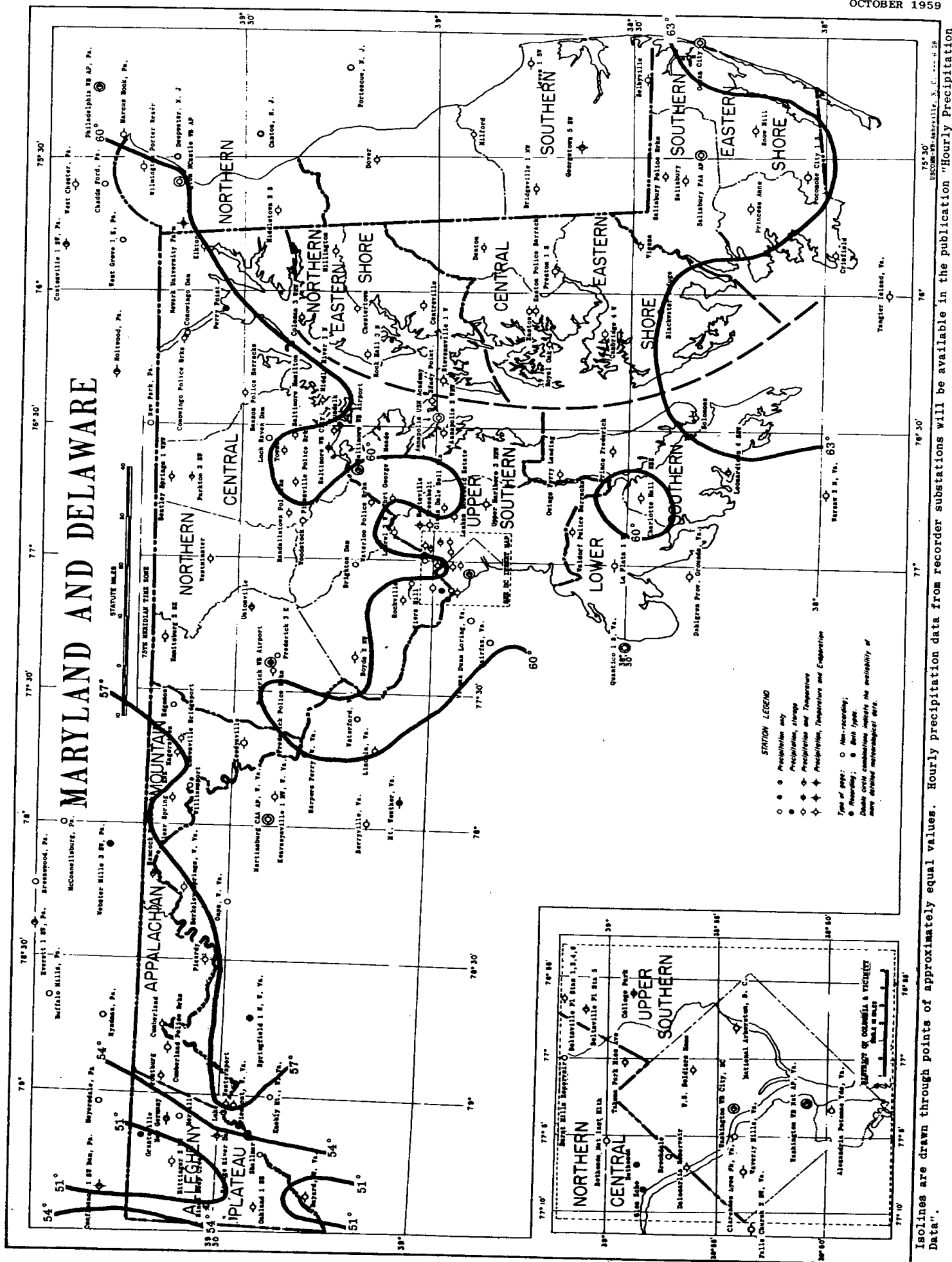
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Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

# AVERAGE TEMPERATURE

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**STATION LEGEND**

○ ○ ○ Precipitation only  
 ○ ○ ○ Precipitation, Storage  
 ○ ○ ○ Precipitation and Temperature  
 ○ ○ ○ Precipitation, Temperature and Evaporation

Type of pipe: ○ Non-recording;  
 ○ Recording; ● Best type.  
 Double circle combination indicates the availability of  
 more detailed meteorological data.

Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".



REFERENCE NOTES

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Friendship International Airport, Baltimore, Maryland, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for October 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (Those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.