

U. S. DEPARTMENT OF COMMERCE

LEWIS L. STRAUSS, Secretary

WEATHER BUREAU

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CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 1958

Volume LXII No. 10



ASHEVILLE: 1958

MARYLAND AND DELAWARE - OCTOBER 1958

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 89° on the 10th at Emmitsburg 2 SE, Md.

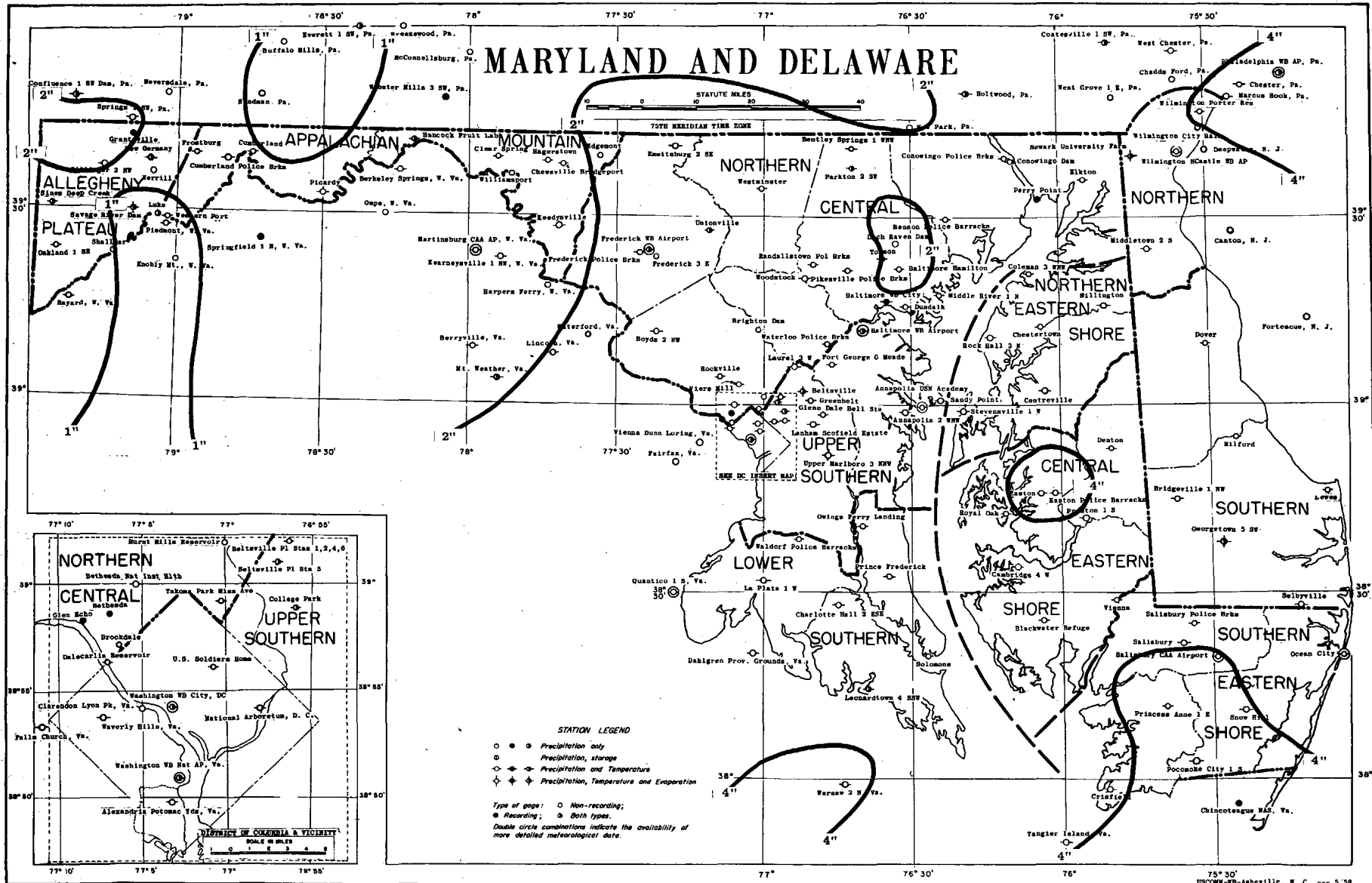
Lowest Temperature: 23° on the 6th at Cumberland Police Brks, Md.

Greatest Total Precipitation: 5.65 inches at Wilmington City Hall, Del.

Least Total Precipitation: 0.80 inch at Savage River Dam, Md.

Greatest One-Day Precipitation: 2.99 inches on the 22nd at Wilmington
City Hall, Del.

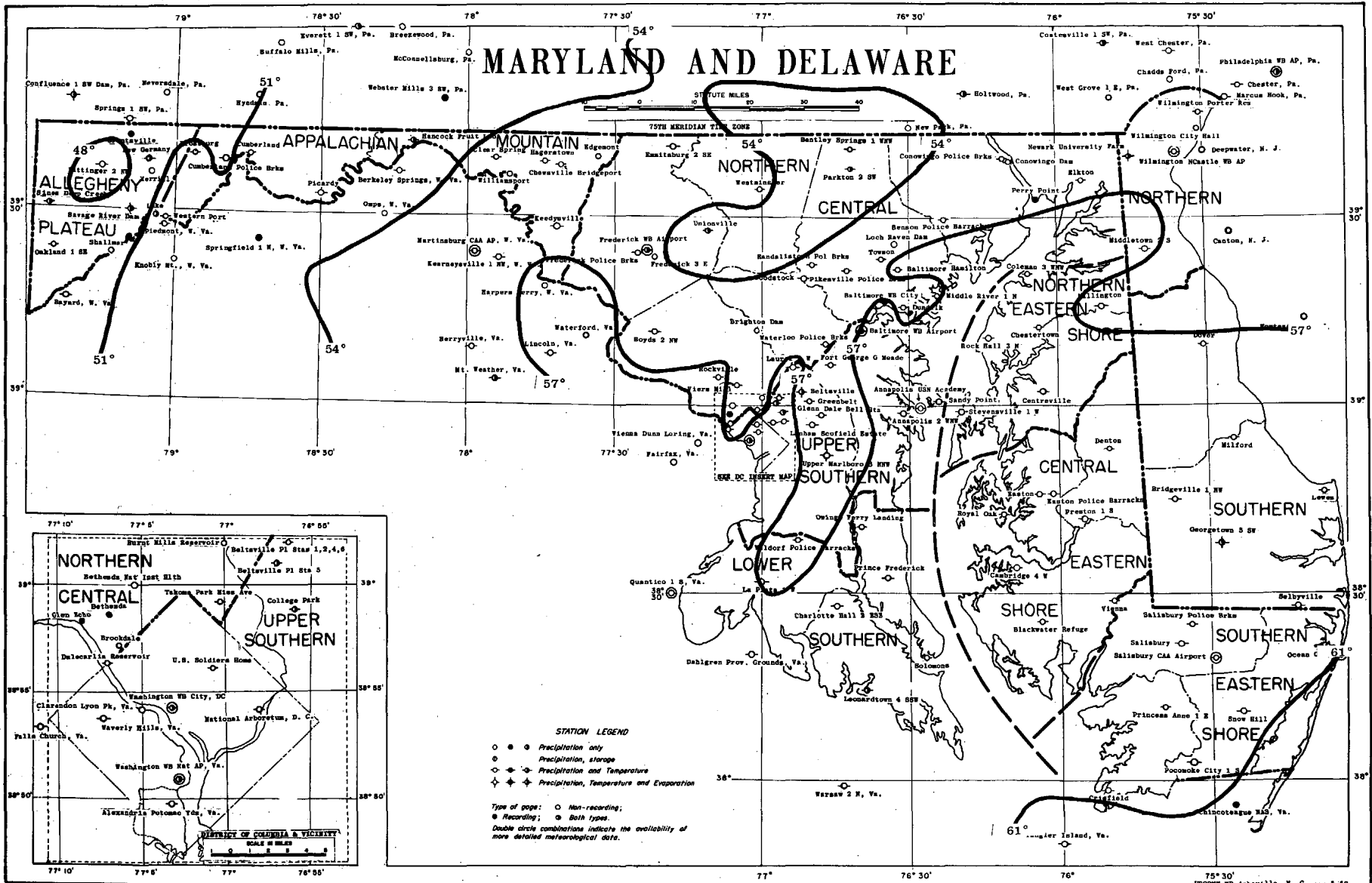
Greatest Reported Total Snowfall: Trace at 3 stations



TOTAL PRECIPITATION

MARYLAND AND DELAWARE
OCTOBER 1958

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



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STATION INDEX

MARYLAND AND DELAWARE
OCTOBER 1958

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL		
MARYLAND												
ANAPOLIS U S N ACADEMY	0185	ANNE ARUNDEL	1	39 59	76 29	48	MID				MJ	U. S. NAVY RADIO STATION WNAV
ANAPOLIS 2 WNW	0193	ANNE ARUNDEL	1	39 59	76 31	85	6P					U. S. WEATHER BUREAU
BALTIMORE WB AIRPORT	0443	ANNE ARUNDEL	3	39 11	76 40	146	MID				C H	U. S. WEATHER BUREAU
BALTIMORE WB CITY	0470	BALTO CITY	3	39 21	76 37	14	MID					W. M. KIMMERSLEY, JR
BALTIMORE HAMILTON	0475	BALTO CITY	1	39 21	76 33	330	5P					
BELTSVILLE	0700	PRINCE GEORGE	5	39 02	76 53	120	8A	BA				CHESTER H. GORDON
BELTSVILLE PLANT STA 1	0701	PRINCE GEORGE	5	39 02	76 56	180	8A	9A				USDA PLANT IND STA
BELTSVILLE PLANT STA 2	0702	PRINCE GEORGE	5	39 02	76 56	136	9A	9A				USDA PLANT IND STA
BELTSVILLE PLANT STA 3	0704	PRINCE GEORGE	5	39 02	76 56	268	9A	9A				USDA PLANT IND STA
BELTSVILLE PLANT STA 4	0705	PRINCE GEORGE	5	39 01	76 57	106	9A	9A				USDA PLANT IND STA
BELTSVILLE PLANT STA 5	0706	PRINCE GEORGE	5	39 01	76 57	215	9A	9A				USDA PLANT IND STA
BENSON POLICE BARRACKS	0732	HARFORD	1	39 30	76 23	365	5P					NAT. INST. OF HEALTH
BENTLEY SPRINGS 1 NW	0737	MONTGOMERY	5	39 58	77 07	320	5P					
BETHESDA	0705	MONTGOMERY	5	39 02	76 56	268	9A	9A				
BETHESDA NAT INST HLTH	0800	MONTGOMERY	5	39 00	77 06	310	6P					
BITTINGER 2 W	0881	GARRETT	7	39 37	79 15	2700	7P					
BLACKWATER REFUGE	0919	DORCHESTER	1	38 28	76 08	3	4P					
BOYDS 2 NW	1033	MONTGOMERY	5	39 12	76 42	750	5P					
BRIGHTON DAM	1125	MONTGOMERY	4	39 12	77 01	350	8A					
BROOKDALE	1170	MONTGOMERY	5	39 37	77 06	260	7P					
BURN MILLS RESERVOIR	1278	MONTGOMERY	5	39 02	77 00	220	8A					
CAMBRIDGE & W	1385	DORCHESTER	1	38 28	76 09	3	6P					
CENTREVILLE	1627	QUEEN ANNES	5	39 03	76 03	46	6P					
CHARLOTTE HALL 2 ESE	1085	ST MARYS	4	38 26	76 45	107	6P					
CHESTERTOWN	1750	KENT	1	39 13	76 04	35	11P					
CHENSIVILLE BRIDGEPOST	1700	WASHINGTON	5	39 38	77 41	540	5S					
CLEAR SPRING 1 ENE	1890	WASHINGTON	5	39 40	77 54	580	5P					
COLEMAN 3 NW	1080	KENT	1	39 21	76 08	78	6P					
COLLEGE PARK	1995	PRINCE GEORGE	5	38 59	76 56	70	5P					
COMINGING DAM	2060	HARFORD	6	39 39	76 10	40	MID					
COMINGING POLICE BRKS	2065	HARFORD	6	39 39	76 11	109	5P					
CRISFIELD	2205	SOMERSET	1	37 39	75 52	5	5P					
CUMBERLAND	2285	ALLEGANY	5	39 38	78 40	949	6P					
CUMBERLAND POLICE BRKS	2285	ALLEGANY	5	39 38	78 50	970	5P					
DENTON	2523	CAROLINE	1	38 53	79 50	20	6P					
DUNDALK	2640	BALTIMORE	3	39 18	76 31	50	6P					
EASTON	2691	TALBOT	1	38 56	76 28	40	6P					
EASTON POLICE BRKS	2700	TALBOT	1	38 45	76 40	40	6P					
EDGEWATER	2770	WASHINGTON	5	39 40	77 33	905	8A					
ELKTON	2860	CECIL	1	39 30	75 50	28	6P					
EMWITSBURG 2 SE	2908	FREDERICK	5	39 41	77 18	420	5P					
FORT GEORGE 6 NEADE	3226	ANNE ARUNDEL	4	39 12	76 45	140	6P					
FREDERICK POLICE BRKS	3348	FREDERICK	5	39 25	77 20	340	5P					
FREDERICK WB AIRPORT	3350	FREDERICK	5	39 25	77 23	294	MID					
FREDERICK 3 E	3355	FREDERICK	5	39 24	77 22	385	6A					
FROSTBURG	3410	ALLEGANY	5	39 39	78 56	2035	6P					
GLEN ECHO	3445	MONTGOMERY	5	38 58	77 09	150	6P					
GLENN DALE BELL STA	3675	PRINCE GEORGE	4	38 58	76 40	151	4P					
GRANTSVILLE	3795	GARRETT	7	39 42	78 09	2380	7A					
GREENBELT	3860	PRINCE GEORGE	5	39 01	76 52	200	7A					
HAGERSTOWN	3975	WASHINGTON	5	39 39	77 44	600	6P					
HANCOCK FRUIT LAB	4380	WASHINGTON	5	39 42	78 11	428	6P					
KEEDYSVILLE	4730	WASHINGTON	5	39 29	77 42	420	6P					
LANHAM SCOTFIELD EST	5050	PRINCE GEORGE	5	38 57	76 50	200	7A					
LA PLATA 1 W	5080	CHARLES	5	38 32	77 00	140	6P					
LAUREL 3 W	5111	PRINCE GEORGE	4	39 06	76 54	400	5P					
LEONARDTOWN & SW	5200	ST MARYS	4	38 59	76 33	190	5P					
LOCH RAVEN DAM	5340	BALTIMORE	1	39 25	76 33	190	5P					
LUKE	5530	ALLEGANY	5	39 28	78 04	1020	8A					
MERRILL	5894	ALLEGANY	5	39 26	78 55	1700	8A					
MIDDLE RIVER 1 N	5917	BALTIMORE	1	39 21	76 27	60	6P					
MILLINGTON	5983	KENT	1	39 16	76 51	60	6P					
NEW GERMANY	6408	GARRETT	5	39 38	79 07	2490	8A	BA				

1 - CHESAPEAKE; 2 - COASTAL; 3 - PATAPSCO; 4 - PATUXENT; 5 - POTOMAC; 6 - SUSQUEHANNA; 7 - YODKINGERY

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 SW, 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, either are missing or were 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 sum 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 value 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 CAA stations. For these stations snow on ground values are at 7:00 a.m., I.S.T.
- 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.
 - + Add 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.
 - AB This entry in time of observation column in Station Index means after rain.
 - AR Data based on observations 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 snow on ground.
 - 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.
 - S Amounts from recording gages (these amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
 - SE This entry in time of observation column in Station Index means observation made near sunset.
 - T Trace, as amount too small to measure.
 - U Includes total for previous month.
 - X Observation time is 1:00 a.m., I.S.T. for the following day.
 - VAR This entry in time of observation column in Station Index means variable.
- In the Station Index the letters C, H, E, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:
- C Weighing Rain Gage Recording 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.
- Information concerning the history of changes in locations, elevations, exposure etc. of stations 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.
- General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW and the monthly CLIMATOLOGICAL DATA, NATIONAL SUMMARY, either of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.
- Subscription Price: 30 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.