



CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

MARYLAND AND DELAWARE

SEPTEMBER 1971

Volume 75 No. 9

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

Station		Temperature											Precipitation												
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
											Max. Min.								Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
											80° or More	70° or More	60° or More	50° or More											
MARYLAND																									
* * *																									
SOUTHERN EASTERN SHORE 01																									
ASSATEAGUE STATE PARK		77.9	66.3	72.2		82	11+	52	26	3	0	0	0	0	5.02		3.66	11	.0	0		4	2	1	0
CRISFIELD SOMERS COVE		79.5	66.6	73.1	.5	86	6	52	26	6	0	0	0	0	1.64	- 2.19	.80	12	.0	0		4	2	1	0
PODCMOKE CITY		82.0	62.9	72.5		88	15+	46	25	10	0	0	0	0	4.10		2.96	11	.0	0		4	2	1	0
PRINCESS ANNE		81.2	60.6	70.9		89	7	43	26	16	0	0	0	0	3.82		2.45	12	.0	0		4	2	1	0
SALISBURY		80.5	62.6	71.6		88	6+	46	25	15	0	0	0	0	3.19	- 1.25	1.26	12	.0	0		4	2	1	0
SALISBURY FAA AIRPORT		79.9	62.6	71.3		87	5	46	26	20	0	0	0	0	1.86		.67	12	.0	0		5	2	0	0
SNOW HILL 4 N		80.5	60.8	70.7	1.5	88	5	44	25	15	0	0	0	0	4.12	- .38	2.59	11	.0	0		5	3	1	0
DIVISION				71.8	1.8									3.39	- .84			.0							
* * *																									
CENTRAL EASTERN SHORE 02																									
BLACKWATER REFUGE		81.2	61.6	71.4		89	8+	46	26	20	0	0	0	0	.49		.34	12	.0	0		1	0	0	0
CAMBRIDGE 4 W		80.4	62.5	71.5		88	9+	46	26	18	0	0	0	0	1.27		.68	13	.0	0		2	1	0	0
DENTON 1 WNW		81.6	60.6	71.1		91	10+	43	25	25	5	0	0	0	3.10		1.16	12	.0	0		6	2	0	0
EASTON POLICE BARRACKS		81.9	61.6	71.8	2.6	90	10+	42	26	24	3	0	0	0	1.98	- 1.97	.64	12	.0	0		6	2	0	0
PRESTON 1 S		79.9	61.6	70.8		90	10	44	25	24	1	0	0	0	2.95		1.27	13	.0	0		6	2	1	0
ROYAL OAK		81.5	62.7	72.1		91	10	45	25	20	1	0	0	0	1.57		.87	12	.0	0		4	1	0	0
VIENNA		82.6	63.3	73.0		92	6	45	25	14	3	0	0	0	5.08		1.98	12	.0	0		5	3	2	0
DIVISION				71.7	2.2									2.35	- 1.73			.0							
* * *																									
LOWER SOUTHERN 03																									
CHARLOTTE HALL 2 SE																									
LA PLATA 1 W		80.3	60.8	70.6		89	6+	42	25	18	0	0	0	0	2.20		1.74	12	.0	0		3	1	1	0
LEONARDTOWN 3 NW		82.4	57.8	70.1		91	6	39	25	29	3	0	0	0	2.98		1.10	11	.0	0		5	3	1	0
OWINGS FERRY LANDING		79.1	58.6	68.9	.0	87	10+	41	25	40	0	0	0	0	1.52	- 2.65	.74	12	.0	0		5	1	0	0
PRINCE FREDERICK 1 N		79.5	61.0	70.3		86	9+	42	25	23	0	0	0	0	1.78		.70	11	.0	0		5	2	0	0
SOLOMONS		81.0	66.3	73.7	1.6	90	13	54	27	5	1	0	0	0	1.79	- 1.80	.92	13	.0	0					
WALDORF POLICE BRKS		83.1	59.7	71.4		95	9	38	23	20	4	0	0	0	1.99		1.17	12	.0	0		4	1	1	0
DIVISION				70.8	1.4									2.04	- 1.91			.0							
* * *																									
UPPER SOUTHERN 04																									
ANNAPOLIS USN ACADEMY		79.1	65.8	72.5		87	7	56	25	7	0	0	0	0	3.04		1.59	17	.0	0		4	2	1	0
BALTIMORE WSD		78.6	63.2	70.9	2.8	88	9	48	25	24	0	0	0	0	5.55	2.22	3.42	11	.0	0		5	3	2	0
BELTSVILLE		78.2	59.6	68.9		88	10+	42	25	31	0	0	0	0	6.07		3.74	12	.0	0		6	2	2	0
BELTSVILLE PLANT STA 5		78.7	61.2	70.0		90	10	42	25	27	1	0	0	0	4.45		2.20	12	.0	0		5	3	2	0
COLLEGE PARK		81.1	62.3	71.7	3.1	91	9+	45	25	20	5	0	0	0	4.21	.41			.0	0					
DALECARLIA RESVR D C		81.6	62.2	71.9		90	9+	44	25	18	3	0	0	0	4.84		1.75	11	.0	0		5	3	3	0
FORT GEORGE G MEADE		80.1	60.8	70.5		88	10+	42	25	21	0	0	0	0	6.85		2.75	11	.0	0		6	4	3	0
GLENN DALE BELL STA		80.5	59.8	70.2	2.4	89	9+	40	25	28	0	0	0	0	4.62	.76	2.80	12	.0	0		6	2	1	0
LAUREL 3 W		79.2	62.5	70.9		89	9	44	25	23	1	0	0	0	3.96		2.27	12	.0	0		6	1	1	0
NATIONAL ARBORETUM D C		81.1	61.3	71.2		91	9	43	25	19	1	0	0	0	2.59		1.31	12	.0	0		4	2	1	0
SUITLAND		78.2	62.3	70.3		88	6	47	25	22	0	0	0	0	2.47		.92	13	.0	0		4	3	0	0
U. S. SOLDIERS HOME DC		79.5	64.8	72.2		90	9	50	25	16	1	0	0	0	2.89		1.20	17	.0	0		5	2	1	0
UPPER MARLBORO 3 NNW		79.3	59.8	69.6		88	10+	41	25	30	0	0	0	0	2.89		1.20	17	.0	0		5	3	1	0
DIVISION				70.8	2.3									4.19	.43			.0							
* * *																									
NORTHERN EASTERN SHORE 05																									
CENTREVILLE		80.0	61.7	70.9		91	10	43	25	22	1	0	0	0	3.89		2.15	12	.0	0		7	2	1	0
CHESTERTOWN		79.4	61.5	70.5		89	10+	42	25	29	0	0	0	0	5.38		2.50	11	.0	0		5	3	2	0
COLEMAN 3 WNW		80.5	62.3	71.4	1.4	90	9+	47	25	19	2	0	0	0	5.63	1.92	3.84	12	.0	0		5	3	2	1
EASTERN NECK ISLAND		80.4	64.8	72.6		88	12	49	25	10	0	0	0	0	3.87		2.37	12	.0	0		4	2	2	0
MILLINGTON		80.5	58.4	69.5	.9	90	10+	38	25	34	3	0	0	0	6.54	2.92	5.08	12	.0	0		6	1	1	0
DIVISION				71.0	1.7									5.06	1.48			.0							
* * *																									
NORTHERN CENTRAL 06																									
ABERDEEN PHILLIPS FLD		78.8	63.6	71.2		87	10+	46	25	27	0	0	0	0	4.31		2.00	11	.0	0		5	3	2	0
BALTIMORE CITY WSD		80.6	67.7	72.2	3.6	90	9+	53	25	10	3	0	0	0	3.13	1.50	2.89	11	.0	0		5	3	1	0
BENSON POLICE BARRACKS		80.6	61.2	70.9		90	10+	43	25	23	2	0	0	0	5.13		4.22	11	.0	0		9	2	2	1
BOYDS 2 NW		77.9	60.7	69.3		89	9	44	25	29	0	0	0	0	7.47		5.16	12	.0	0		8	3	1	0
CATOCTIN MOUNTAIN PARK		73.7	58.9	66.3		89	6+	43	26	52	0	0	0	0	4.89		1.62	21	.0	0		8	2	2	0
CLARKSVILLE 3 NNE		78.7	59.7	69.2		89	9+	38	25	33	0	0	0	0	6.34		2.90	11	.0	0		6	3	3	0
CONOWINGO DAM		78.3	61.8	70.1		88	9+	42	25	32	0	0	0	0	4.93		3.05	11	.0	0		5	3	2	0
ELKTON		79.1	60.4	69.8	2.0	90	9	40	25	31	1	0	0	0	4.55	.99	1.68	12	.0	0		8	3	3	0
EMMITTSBURG 2 SE		78.3	59.3	68.8		92	9	39	25	35	1	0	0	0	4.75		1.08	21	.0	0		8	3	3	2
FREDERICK WFMD																									
PARKTON 2 SW		75.8	58.9	67.4		88	9	41	25	53	0	0	0	0	5.32		2.81	11	.0	0		9	2	1	0
ROCKVILLE 4 NE		80.0	58.4	69.2		90	9+																		

See Reference Notes Following Station Index

SPECIAL WEATHER SUMMARY ON PAGE 107

Continued

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

 MARYLAND AND DELAWARE
 SEPTEMBER 1971

Station	Temperature													Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max.	Min.	30" or Above	32" or Below					Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More
TOWSON	78.6	63.3	71.0		89	9	45	25	24	0	0	0	0	8.48	4.72	3.60	11	.0	0		7	3	2
UNIONVILLE	76.7	59.1	67.9		88	9	38	25	44	0	0	0	0	3.29		1.56	12	.0	0		9	2	1
WESTMINSTER 2 SSE	76.8	60.3	68.6	2.1	90	9	40	25	43	1	0	0	0	3.65	.06	1.49	12	.0	0		6	2	1
WHEATON REGIONAL PARK	76.8	60.6	68.7		88	6	43	25	32	0	0	0	0	4.10		1.83	11	.0	0		5	3	1
WOODSTOCK																							
DIVISION			69.5	2.4										5.15	1.44			.0					
* * *																							
APPALACHIAN MOUNTAIN																							
07																							
BOONSBORO	77.1	61.1	69.1		89	9	42	25	32	0	0	0	0	4.81		1.68	21	.0	0		6	3	2
CHEWSVILLE BRIDGEPORT	78.4	59.4	68.9	3.2	92	9	38	25	36	1	0	0	0	5.00	1.97	1.17	12	.0	0		9	4	2
CUMBERLAND	81.2	55.8	68.5		95	9	40	25+	43	6	0	0	0	2.91		.69	20	.0	0		9	2	0
CUMBERLAND POLICE BRKS	79.5	59.1	69.3		91	9	37	25	36	4	0	0	0	3.26		.60	20	.0	0		7	3	0
FROSTBURG	75.0	57.6	66.3	2.8	86	5	46	22	39	0	0	0	0	3.99	.80	1.06	12	.0	0		10	2	1
HAGERSTOWN	78.0	59.6	68.8		91	9	39	25	38	1	0	0	0	4.75		1.10	13	.0	0		10	3	1
HANCOCK FRUIT LAB	76.5	59.2	67.9		89	10+	39	25	44	0	0	0	0	4.84	1.94	1.88	12	.0	0		6	3	2
PICARDY	77.6	58.3	68.0		92	5	36	25	44	3	0	0	0	2.71		1.20	12	.0	0		7	1	1
WESTERNPORT UPRC	77.8	60.1	69.0		92	6	40	25	34	1	0	0	0	5.20		1.63	12	.0	0		9	3	2
DIVISION			68.4	2.7										4.16	1.08			.0					
* * *																							
ALLEGHENY PLATEAU																							
08																							
BITTINGER 2 NW	69.8	55.3	62.6		78	9+	35	25	100	0	0	0	0	7.15		2.54	14	.0	0		12	4	2
MCHENRY 2 NW	72.6	54.6	63.6		82	7+	38	25	96	0	0	0	0	6.56		1.75	14	.0	0		12	6	2
OAKLAND 1 SE	73.7	54.6	64.2	3.4	84	5	34	25	71	0	0	0	0	6.93	3.65	1.66	14	.0	0		11	3	3
SAVAGE RIVER DAM	74.2	56.1	65.2		86	6	37	26+	73	0	0	0	0	7.78		1.60	14	.0	0		12	6	3
DIVISION			63.9	3.7										7.11	3.86			.0					
DELAWARE																							
* * *																							
NORTHERN																							
01																							
MIDDLETOWN 1 WSW	80.1	61.4	70.8		90	9	42	25	24	1	0	0	0	5.78		3.42	12	.0	0		7	3	1
NEWARK UNIVERSITY FARM	79.5	60.7	70.1		90	9	48	25	20	1	0	0	0	5.64		2.10	13	.0	0		10	3	2
WILMGTON NCASTLE WSD	78.3	63.9	71.1	3.5	88	9	44	25	23	0	0	0	0	6.99	3.04	2.54	13	.0	0		7	4	3
WILMGTON PORTER RESVR	77.2	60.8	69.0		89	9	44	25	36	0	0	0	0	11.16	7.73	6.40	13	.0	0		5	2	2
DIVISION			70.3	2.3										7.39	3.91			.0					
* * *																							
SOUTHERN																							
02																							
BRIDGEVILLE 1 NW	79.7	60.5	70.1	1.7	90	5	44	25	28	1	0	0	0	4.06	.04	1.49	12	.0	0		6	4	1
DOVER	78.9	63.2	71.1	1.7	88	5	49	25	14	0	0	0	0	10.52	6.71	3.35	14	.0	0		8	5	4
GEORGETOWN 5 SW	79.3	59.6	69.5		88	7+	43	27+	37	0	0	0	0	2.94		2.38	13	.0	0		3	1	1
LEWES 1 SW	77.5	63.1	70.3		85	6+	49	26	12	0	0	0	0	2.49		1.29	12	.0	0		5	1	1
MILFORD 2 WSW	80.5	60.8	70.7		91	5	42	25	25	2	0	0	0	3.12		.96	12	.0	0		7	3	0
SELBYVILLE																							
DIVISION			70.3	1.4										4.63	.54			.0					

TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE: 95° ON THE 9TH AT 2 STATIONS, MD.

LOWEST TEMPERATURE: 34° ON THE 25TH AT OAKLAND 1 SE, MD.

GREATEST TOTAL PRECIPITATION: 11.16 INCHES AT WILMGTON PORTER RESVR, DEL.

LEAST TOTAL PRECIPITATION: .49 INCH AT BLACKWATER REFUGE, MD.

GREATEST ONE-DAY PRECIPITATION: 6.40 INCHES ON THE 13TH AT WILMGTON PORTER RESVR, DEL.

See Reference Notes Following Station Index

MARYLAND AND DELAWARE - SEPTEMBER 1971

SPECIAL WEATHER SUMMARY

September was generally cloudy, warm, and humid. Heavy rainfall again occurred in much the same area as August, i.e., in central and northeastern Maryland and northern Delaware. Although afternoon high temperatures were nearly normal, the unusually warm overnight temperatures brought monthly averages above normal. This was especially true in western Maryland. At Hancock the average daily minimum temperature was 59.2°, which was 8.9° above the long-period average. At Oakland 54.6° was 7.4° above normal. Concerning extremes, the number of days with 90° temperatures was fewer than normal and no frost was reported during the month. Monthly data from the area's first-order National Weather Service stations indicated that this was a cloudier and more humid September than usual.

Rainfall was quite variable across the two-state area, ranging from less than 2 inches in southern Maryland and parts of central and southern Eastern Shore to over 10 inches in parts of northern and central Delaware. An unofficial total of 15.10 inches at Talleyville, New Castle County, was greatest total noted. Rainfall, however, was above normal to much above normal over much of the northern third of the two-state area. A map of the monthly distribution of rainfall is given in Figure 1. The period, from the 11th through the 13th, was unusually wet. It was at this time that most of the monthly total was

received. The belt of heaviest rainfall extended from central Maryland into northern Delaware. A map of the rainfall distribution during this period is given in Figure 2. Unofficial totals over 9 inches for the 2 days, the 11th and the 12th, were reported in the Germantown area of Montgomery County, while an unofficial 3-day total of 13.46 on the 11th-13th was reported in the Talleyville area of New Castle County. In southwest Baltimore, a rain gage belonging to the Baltimore City Waste Water Division recorded a total of 4.36 inches in 3 hours during the early morning of the 11th. Severe flooding occurred in Montgomery, Prince Georges, Howard, Baltimore (City and County) and Frederick Counties, and in the northern portion of Delaware. Damage to public and private property was estimated to reach several million dollars. According to the U. S. Geological Survey, the peak discharge of Seneca Creek, Montgomery County, where some of the most severe flooding occurred, was estimated to be 30,000 cubic feet per second on the 12th, twice the previous highest flow in 41 years of record.

A tornado struck near Largo, Prince Georges County, during the morning of the 12th, causing major damage to four houses and minor damage to many others. For further information on this storm and on the month's heavy rains, see the NOAA publication, "STORM DATA."

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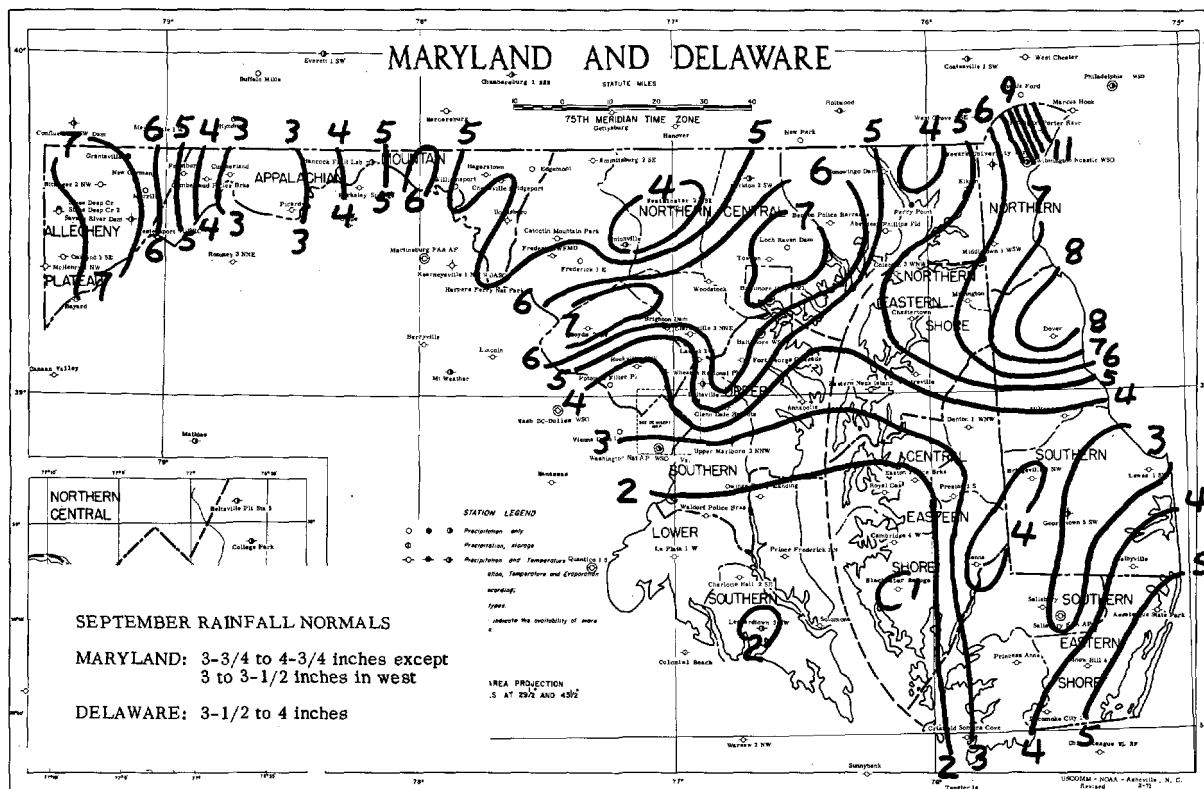


FIGURE 1 - SEPTEMBER 1971 RAINFALL (in inches)

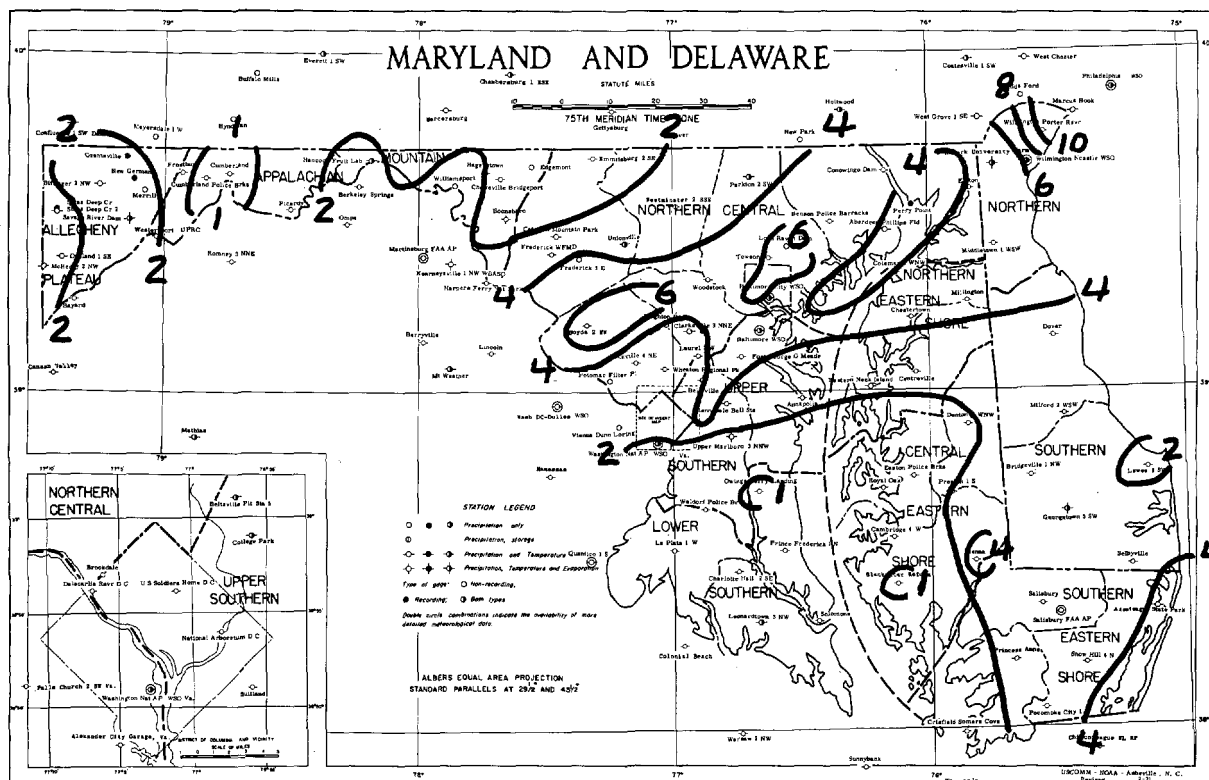


FIGURE 2 - Rainfall (in inches) for the period, September 11-13, 1971

MARYLAND AND DELAWARE
SEPTEMBER 1971

See reference notes following Station Index

DAILY PRECIPITATION

Continued

MARYLAND AND DELAWARE
SEPTEMBER 1971

		SEPTEMBER 1971																															
Station	Total	Day of Month																															
		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	
DELAWARE																																	
NORTHERN 01																																	
MIDDLETOWN 1 NSW	5.78												.04	2.42	.88	.27	.01		.71			.02											
NEWARK UNIVERSITY FARM	3.64												.61	1.70	2.10	.13	.10		.39			.16											
WILMINGTON NCASTLE WSO	6.99												1.51	1.27	2.54	.03			.86			.41											
WILMINGTON PORTER RESVR	11.16												3.75	.30	5.40	.01	.02		.25	T	.05	T	.08										
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	4.06												.56	1.49	.55				.96			.15	T										
DOVER	10.52												.18	.83	1.13	3.35			1.23	.03	3.20	.02		.29									
GEORGETOWN 5 SW	2.94													.30	2.98	.02	.05		.03			.04											
LEWES 1 SW	2.49												.20	1.29	.33				.41	T					.04								
MILFORD 2 NSW	3.12								T				.80	.96	.59	T			.16		.20	T	.04		.03	T							
SELBYVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SUPPLEMENTAL DATA

	Wind (Speed — m.p.h.)						Relative humidity averages- percent				Number of days with precipitation							Percent of Possible sunshine	Average sky cover sunrise to sunset
	Resultant Direction	Resultant Speed	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Standard of Time				Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
							EASTERN												
							01	07	13	19									
BALTIMORE WSO MD	15	0.8	6.2	18	W	17	86	88	65	76	3	2	2	1	1	1	10	47	6.5
WILMGTN NCASTLE WSO DEL	12	1.6	6.8	21++	1	24	86	87	68	79	2	3	3	1	2	1	12	-	6.8

DAILY TEMPERATURES

MARYLAND AND DELAWARE
SEPTEMBER 1971

Station		Day of Month																															Average
		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																																	
* * *																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE STATE PARK	MAX MIN	74 67	77 68	78 69	78 72	80 70	80 73	81 72	80 67	80 68	82 73	82 72	80 70	77 69	78 66	79 66	80 67	81 70	77 66	78 71	80 37	79 56	78 64	78 64	74 67	70 55	76 52	74 61	76 63	76 69	75 70	77.9 66.5	
CRISFIELD SOMERS COVE	MAX MIN	81 63	78 64	80 64	82 70	81 72	86 72	83 69	84 72	84 68	84 68	82 72	80 70	78 67	79 70	81 70	82 73	82 71	81 70	80 69	82 70	82 70	71 61	76 64	75 69	71 53	71 52	73 60	78 60	78 62	77 63	79.5 66.6	
PQCOMOKE CITY	MAX MIN	76 61	79 61	84 59	85 60	88 84	88 65	87 65	87 67	86 84	85 62	84 69	84 72	84 71	82 63	88 66	87 61	85 68	83 60	80 67	86 68	82 69	73 58	81 63	77 66	75 76	70 45	76 48	76 59	79 56	78 60	76 65	82.0 62.9
PRINCESS ANNE	MAX MIN	75 58	78 58	83 56	85 58	88 63	86 61	89 64	87 66	86 62	87 58	84 69	84 70	83 68	80 63	85 66	86 65	84 60	83 60	80 67	86 63	82 66	72 55	79 62	73 63	71 44	70 43	75 57	79 53	78 58	77 64	81.2 60.6	
SALISBURY	MAX MIN	75 61	77 62	83 60	83 63	88 64	88 65	86 65	85 67	81 65	87 62	84 68	81 69	83 70	80 64	85 66	86 62	83 68	83 65	81 67	84 67	81 66	70 56	78 62	75 65	72 46	68 47	74 56	80 56	78 61	76 64	80.5 62.6	
SALISBURY FAA AIRPORT	MAX MIN	75 61	77 63	82 59	85 60	87 66	86 66	85 65	85 67	85 64	86 61	84 72	79 73	83 69	79 65	85 65	85 62	85 66	84 64	80 70	85 70	76 64	70 55	78 63	71 47	70 46	73 60	78 56	76 62	77 66	79.9 62.6		
SNOW HILL 4 N	MAX MIN	74 59	77 59	82 57	84 60	88 60	86 61	85 62	85 64	85 61	86 60	82 67	83 73	86 70	80 62	85 63	85 59	86 65	83 62	80 67	85 67	76 65	73 56	79 62	73 62	72 44	69 45	75 57	78 54	77 59	75 64	80.5 60.8	
* * *																																	
CENTRAL EASTERN SHORE 02																																	
BLACKWATER REFUGE	MAX MIN	80 59	81 60	82 59	84 62	87 62	88 66	89 62	89 70	88 66	87 62	87 70	86 73	80 62	80 61	82 65	84 62	83 69	80 65	81 69	85 62	84 65	70 58	72 60	78 62	70 49	62 46	75 48	80 53	81 59	81 59	81.2 61.6	
CAMBRIDGE 4 W	MAX MIN	74 60	79 62	82 60	84 62	87 62	88 65	86 63	87 69	88 64	87 62	87 70	86 73	80 67	80 65	83 67	85 62	83 69	80 65	81 69	85 66	78 66	71 57	76 60	72 63	69 49	62 46	75 58	80 54	81 57	77 63	80.4 62.5	
DENTON 1 WNW	MAX MIN	72 61	78 61	84 57	87 60	89 63	91 65	90 60	90 68	90 61	91 56	88 70	84 70	84 68	80 63	86 63	88 62	82 67	84 64	82 66	87 65	80 62	72 51	74 61	72 56	71 43	61 47	72 54	79 57	81 57	79 59	81.6 60.6	
EASTON POLICE BARRACKS	MAX MIN	76 61	80 62	84 59	86 61	89 67	90 66	89 63	89 69	90 65	90 63	89 68	87 65	83 62	82 65	85 66	87 63	84 68	83 64	81 67	85 63	83 62	70 53	77 62	75 61	70 46	62 42	72 55	82 55	80 57	78 61	81.9 61.6	
PRESTON 1 S	MAX MIN	74 60	72 62	82 58	83 61	86 66	88 65	89 61	88 68	87 66	90 61	87 70	85 70	81 68	81 65	85 65	85 62	80 67	82 64	80 67	84 64	82 62	68 52	75 62	70 61	69 44	60 47	72 57	80 54	79 58	77 61	79.9 61.6	
KOYAL OAK	MAX MIN	80 61	80 62	83 61	85 64	88 69	88 66	87 64	89 69	88 66	91 63	89 72	88 70	81 68	81 65	84 66	86 63	82 69	81 65	85 68	86 62	80 53	69 61	76 63	71 61	70 45	65 49	72 56	81 56	82 58	78 61	81.5 62.7	
VIENNA	MAX MIN	72 68	79 64	88 62	86 67	88 65	92 69	88 65	88 64	87 64	90 63	90 70	82 74	84 64	82 68	87 66	88 66	87 69	83 65	83 61	86 68	86 66	76 62	76 63	74 62	72 45	64 50	76 57	84 55	80 57	80 61	82.6 63.3	
* * *																																	
LOWER SOUTHERN 03																																	
CHARLOTTE HALL 2 SE	MAX MIN																																
LA PLATA 1 W	MAX MIN	78 64	76 63	83 60	86 61	89 65	89 66	87 61	87 66	88 63	88 62	88 71	76 68	81 65	81 60	85 58	87 62	80 68	81 61	81 64	84 63	80 64	64 57	71 57	71 58	73 42	68 49	75 59	80 51	79 56	74 60	80.3 60.8	
LEONARDTOWN 3 NW	MAX MIN	84 63	83 56	86 56	86 58	88 56	91 62	90 57	90 60	88 60	89 56	89 68	83 67	84 63	80 61	85 58	87 55	89 67	81 58	81 66	86 63	84 61	67 58	79 53	73 68	64 39	64 43	79 41	83 51	78 54	77 60	82.4 57.8	
OWINGS FERRY LANDING	MAX MIN	74 61	77 59	84 58	85 61	84 64	87 64	87 58	87 63	86 63	87 66	85 66	84 64	81 63	80 59	83 59	85 61	79 64	80 59	81 66	84 58	76 50	64 35	74 53	67 46	67 41	62 48	71 51	78 55	78 53	74 58	79.1 58.6	
PRINCE FRÉDERICK 1 N	MAX MIN	80 63	77 63	82 58	84 60	86 67	86 63	85 59	85 62	86 62	85 60	85 72	85 69	80 66	81 62	84 61	84 59	80 68	80 61	79 70	84 69	82 62	66 58	73 58	72 60	68 42	64 46	71 59	78 53	78 56	76 61	79.5 61.0	
SOLOMONS	MAX MIN	84 66	77 69	82 66	87 68	87 72	88 89	82 70	85 70	85 70	87 68	89 75	84 71	90 73	82 65	85 65	87 67	85 73	81 65	77 63	85 60	80 65	71 62	77 61	74 64	72 56	60 54	74 61	79 61	78 63	77 66	81.0 66.3	
WALDORF POLICE BRKS	MAX MIN	83 60	80 63	83 59	85 59	90 65	90 65	89 59	88 65	95 63	87 60	88 64	84 67	84 65	82 62	85 62	88 62	90 67	80 62	80 68	83 64	88 62	83 52	75 38	76 60	74 41	72 47	72 58	81 56	80 56	77 60	83.1 59.7	
* * *																																	
UPPER SOUTHERN 04																																	
ANNAPOLIS USN ACADEMY	MAX MIN	77 68	76 68	80 64	83 65	82 69	85 71	87 66	84 67	86 69	86 68	85 75	84 63	77 69	82 64	84 65	83 68	82 69	79 65	81 71	81 71	81 63	71 60	74 63	71 62	70 56	66 57	67 59	75 61	76 64	78 61	79.1 65.8	
BALTIMORE WSO	MAX MIN	71 65	74 65	83 61	86 63	87 67	87 68	86 61	87 69	88 68	87 66	82 70	79 70	81 67	81 65	84 65	77 64	79 66	77 69	84 69	74 59	70 54	70 62	68 50	66 48	62 52	60 63	69 63	78 62	77 61	78.6 63.2		
BELTSVILLE	MAX MIN	82 63	69 60	73 58	83 63	85 66	88 68	88 65	84 63	86 61	88 61	86 67	85 64	76 67	80 60	78 64	83 65	85 62	71 67	79 67	83 62	78 67	67 49	67 54	73 59	69 44	68 46	72 54	70 60	78 58	78.2 59.6		
BELTSVILLE PLANT STA 5	MAX MIN	82 64	70 62	74 59	83 60	85 65	89 66	88 60	85 65	87 64	90 62	86 61	86 69	76 68	81 61	80 65	84 62	86 62	76 68	79 68	82 61	72 50	67 60	70 60	68 42	68 48	62 57	71 61	77 55	78 56	78.7 61.2		
COLLEGE PARK	MAX MIN	82 66	75 63	85 59	91 66	90 67	90 67	91 61	88 67	91 86	89 70	89 69	76 66	82 68	83 63	86 65	88 62	83 66	80 68	79 68	82 61	72 52	71 60	71 61	68 45	62 49	72 57	79 63	79 57	77 59	81.1 62.3		
DALECARLIA RESVR D C	MAX MIN	85 66	83 63	83 61	87 63	90 68	90 68	89 65	88 67	90 65	89 63	88 71	77 64	82 67	80 61	85 62	87 64	85 62	80 62	81 63	83 59	72 50	70 44	70 46	73 46	70 44	68 41	73 61	81 62	80 58	79 59	81.6 62.2	
FORT GEORGE G MEADE	MAX MIN	78 64	74 62	83 59	85 58	88 65	88 65	86 59	88 65	88 64	88 65	86 70	79 68	82 66	81 63	85 61	85 63	79 65	80 61	79 67	83 61	70 50	70 61	70 59	70 42	68 48	72 57	79 57	80 56	78 57	80.1 60.6		
GLENN DALE BELL STA	MAX MIN	81 63	74 59	82 57	86 63	88 64	89 64	87 58	87 65	89 64	88 61	87 70	77 67	84 66	81 61	85 61	86 65	85 62	80 68	83 61	82 61	72 49	71 60	70 56	69 40	67 41	71 57	78 60	79 56	79 58	80.5 59.8		
LAUREL 3 W	MAX MIN	79 64	73 63	82 63	84 65	88 67	88 68	88 65	86 69	87 69	87 67	85 69	73 63	79 67	84 60	84 60	81 65	78 66	78 66	82 61	80 61	70 54	70 60	69 63	68 64	67 53	62 53	77 62	79 60	76 59	79.2 62.5		

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DAILY TEMPERATURES

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Station		Day of Month																															Average
		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																																	
NATIONAL ARBORETUM D C	MAX MIN	82 65	79 62	83 60	88 62	89 70	88 65	87 61	88 61	91 66	89 64	88 71	79 67	81 65	81 61	85 62	86 62	84 65	81 62	79 66	83 65	81 60	71 50	71 59	71 60	70 43	68 48	77 57	79 62	79 59	80 59	81.1 61.3	
SUITLAND	MAX MIN	82 66	69 64	75 60	82 64	86 65	88 67	86 64	85 68	87 65	87 63	86 69	85 68	76 66	79 62	79 64	82 63	77 63	79 67	78 67	82 63	71 54	65 58	69 60	70 47	68 51	62 56	72 60	77 60	77 60	78 60	78.2 62.3	
U. S. SOLDIERS HOME DC	MAX MIN	71 65	75 65	83 72	86 66	89 69	89 69	87 70	86 74	90 71	88 68	85 69	75 69	82 65	81 64	85 69	86 68	78 65	80 65	79 66	83 66	77 58	68 58	70 62	71 54	70 47	62 49	74 55	78 64	79 64	78 64	79.5 64.8	
UPPER HARLBORO 3 NNW	MAX MIN	83 64	70 60	75 58	83 59	85 63	88 64	88 58	87 63	87 64	88 60	87 65	85 67	78 67	82 62	81 61	85 59	85 65	79 62	81 69	80 66	84 61	71 50	65 56	71 59	70 41	68 47	62 56	73 57	79 55	78 57	79.3 59.8	
* * *																																	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX MIN	73 62	77 61	80 58	85 63	88 64	89 65	88 62	88 68	89 65	91 61	86 70	85 69	83 67	80 63	84 67	86 63	82 67	80 67	79 65	77 62	70 52	70 63	69 62	69 43	67 51	71 56	79 56	79 57	77 58	80.0 61.7		
CHESTERTOWN	MAX MIN	72 63	75 62	81 60	84 63	86 67	88 67	87 63	86 69	89 68	89 65	86 65	83 68	81 65	81 63	84 65	85 64	80 64	82 67	79 67	84 65	76 60	72 50	72 62	70 42	60 50	69 56	77 58	79 58	76 58	79.4 61.5		
COLEMAN 3 WNW	MAX MIN	73 63	75 61	83 60	87 63	89 65	90 67	86 62	86 68	90 67	88 65	86 70	85 64	84 69	80 63	85 67	87 68	84 66	81 66	79 68	84 61	79 65	72 54	69 62	72 47	65 49	69 55	77 60	79 60	78 59	80.5 62.3		
EASTERN NECK ISLAND	MAX MIN	85 65	77 65	87 65	85 58	86 64	86 67	84 58	85 72	86 72	86 66	87 73	88 70	84 69	79 66	83 70	84 69	81 66	80 69	79 69	82 63	82 63	72 57	72 64	70 64	70 49	67 53	71 57	77 60	78 61	78 63	80.4 64.8	
MILLINGTON	MAX MIN	75 58	75 58	82 55	86 58	89 60	90 62	87 57	88 65	90 63	90 60	85 68	83 62	80 66	85 63	87 59	83 64	81 64	80 68	85 62	81 60	73 45	68 59	70 55	70 38	64 46	69 53	78 55	79 55	77 55	80.5 58.4		
* * *																																	
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	MAX MIN	74 67	81 66	80 64	85 63	86 66	87 69	85 65	86 67	87 66	87 68	84 69	85 71	83 72	82 67	83 67	82 67	79 64	79 67	78 68	83 68	82 68	72 49	68 61	69 60	68 46	65 51	67 58	64 54	77 62	77 58	78.8 63.6	
BALTIMORE CITY WSD	MAX MIN	74 69	75 69	84 68	88 71	90 73	90 73	86 70	88 73	90 74	89 74	86 72	81 72	82 70	83 66	87 69	87 70	78 69	79 69	78 70	83 71	76 62	72 57	71 66	70 58	68 53	61 51	63 61	82 69	84 70	83 69	80.6 67.7	
BENSON POLICE BARRACKS	MAX MIN	77 63	74 61	82 60	85 60	89 65	89 66	89 62	87 67	90 65	90 64	88 68	85 69	83 69	82 64	86 64	85 61	81 63	78 66	79 65	83 60	82 60	73 49	70 61	69 58	68 43	68 49	68 53	79 61	80 60	80 52	80.6 61.2	
BOYDS 2 NW	MAX MIN	79 62	75 62	81 61	84 61	88 61	87 68	86 63	86 66	89 65	85 65	83 67	73 68	78 65	82 60	82 62	80 61	77 60	76 62	80 59	78 58	70 51	66 58	67 58	67 47	65 46	69 53	75 60	77 60	74 59	77.9 60.7		
CATOCTIN MOUNTAIN PARK	MAX MIN	76 59	74 59	77 59	78 63	89 62	89 69	81 63	80 63	82 65	82 63	79 67	72 65	71 63	75 60	77 58	76 65	70 58	70 60	73 63	72 58	74 49	68 54	62 52	64 44	61 43	60 52	67 59	72 58	70 58	73.7 58.9		
CLARKSVILLE 3 NNE	MAX MIN	79 65	73 61	82 58	85 57	89 62	88 66	85 64	85 63	89 64	86 63	84 68	77 68	80 68	79 60	83 60	81 60	76 62	77 65	82 68	80 60	70 48	68 60	67 59	67 38	70 41	67 56	75 60	79 54	75 54	78.7 59.7		
CONOWINGO DAM	MAX MIN	73 63	73 62	82 62	85 62	85 64	88 67	83 63	84 66	88 66	86 66	84 69	84 70	82 69	80 65	83 65	85 63	76 65	79 68	78 66	83 56	72 49	69 62	69 49	68 42	59 50	68 57	75 61	77 62	77 58	78.3 61.8		
ELKTON	MAX MIN	75 62	74 60	81 58	84 58	85 61	88 65	87 60	85 68	90 64	87 66	82 68	83 68	87 66	79 61	85 64	85 60	82 66	78 65	78 65	82 63	81 57	72 47	68 60	68 57	67 40	63 49	68 55	75 59	79 56	76 56	79.1 60.4	
EMMITSBURG 2 SE	MAX MIN	75 65	76 63	82 58	83 59	85 60	89 65	89 60	88 61	92 64	89 65	89 65	84 68	84 66	80 60	85 59	77 60	73 60	73 58	74 62	80 68	75 60	75 45	70 58	70 54	69 39	60 50	65 54	74 61	79 57	74 56	78.3 59.3	
FREDERICK WFMD	MAX MIN																																
PARKTON 2 SW	MAX MIN	69 59	71 60	80 63	83 60	86 64	85 64	82 60	85 65	88 66	85 64	80 61	77 67	79 63	79 61	82 61	82 60	73 62	77 63	72 61	79 66	72 51	70 46	66 59	67 45	65 41	58 48	64 54	72 60	74 58	74 56	75.8 58.9	
ROCKVILLE 4 NE	MAX MIN	82 62	76 61	83 58	86 59	84 66	89 64	86 60	87 63	90 62	89 60	88 63	78 67	81 65	81 57	83 59	84 59	81 62	78 59	82 62	82 58	72 47	68 57	69 56	69 38	68 49	73 55	76 51	78 56	77 55	80.0 58.4		
TOWSON	MAX MIN	74 65	74 64	83 63	85 64	87 69	87 69	86 65	86 69	89 69	86 68	84 69	79 63	81 63	83 63	84 63	79 69	78 66	81 61	79 61	71 51	68 63	69 59	67 49	64 54	67 55	76 62	77 62	76 59	78.6 63.3			
UNIONVILLE	MAX MIN	73 65	74 62	80 60	83 58	86 64	87 61	84 60	85 62	88 63	86 62	80 66	72 68	78 66	79 57	81 57	85 60	79 62	75 58	79 62	79 54	67 46	67 58	65 53	65 38	61 50	65 53	73 62	73 57	73 55	76.7 59.1		
WESTMINSTER 2 SSE	MAX MIN	76 63	73 61	81 61	84 61	87 67	87 65	83 62	86 66	90 65	86 63	81 67	76 67	80 66	79 60	82 59	83 61	72 62	75 65	74 63	80 66	76 59	70 46	66 58	65 57	65 40	66 50	65 54	73 61	77 58	73 55	76.8 60.3	
WHEATON REGIONAL PARK	MAX MIN	79 63	76 62	80 59	82 60	84 66	88 62	85 60	82 65	85 64	82 60	81 66	75 68	75 66	80 61	82 62	82 61	75 63	75 63	80 65	78 59	70 50	68 59	68 58	66 43	60 48	68 56	72 60	73 56	75 63	76.8 60.6		
WOODSTOCK	MAX MIN																																
* * *																																	
APPALACHIAN MOUNTAIN 07																																	
BOONSBORO	MAX MIN	76 64	74 63	82 64	84 64	87 69	86 69	84 66	86 66	89 66	86 67	81 69	74 67	78 65	76 56	81 57	81 63	71 60	76 60	73 61	79 67	75 58	70 48	70 57	67 55	66 42	66 51	67 55	75 62	77 63	75 60	77.1 61.1	
CHEWSVILLE BRIDGEPORT	MAX MIN	77 63	74 62	82 60	85 59	88 66	88 64	85 65	87 61	92 61	88 63	82 66	76 67	82 63	80 58	82 58	83 63	73 60	78 56	82 62	77 58	69 45	71 57	70 52	69 38	62 50	68 56	75 63	78 62	77 56	78.4 59.4		
CUMBERLAND	MAX MIN	84 60	82 60	90 59	89 61	90 62	91 62	93 62	88 59	95 59	89 64	89 65	77 57	84 56	77 51	87 51	84 56	79 53	77 53	70 46	81 46	75 46	69 47	68 57	72 40	65 40	68 52	68 53	82 63	84 63	79 63	td	

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DAILY TEMPERATURES

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Continued

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Station		Day of Month																															Average
		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																																	
HANCOCK FRUIT LAB	MAX	83	70	75	83	85	89	87	85	88	89	86	76	74	76	78	82	80	71	73	71	79	70	67	70	67	65	57	65	74	78	76.5	
	MIN	64	63	59	61	64	64	69	62	63	62	62	68	66	58	56	52	59	57	61	66	55	44	58	53	39	52	57	57	57	57	59.2	
PICARDY	MAX	78	77	84	87	92	91	89	91	82	89	78	72	74	77	85	80	75	74	71	82	74	65	71	69	66	58	66	77	80	75	77.6	
	MIN	58	63	62	59	65	62	62	61	64	61	63	65	62	59	56	61	58	56	60	65	56	44	58	51	36	51	54	61	59	58	58.3	
WESTERNPORT UPRC	MAX	80	80	85	86	89	92	86	85	88	89	82	74	75	70	89	78	74	74	69	80	76	68	66	70	67	61	66	79	80	76	77.8	
	MIN	63	63	65	61	65	63	66	64	61	62	63	66	63	61	54	65	59	58	61	63	53	47	60	53	40	53	56	63	65	64	60.1	
* * *																																	
ALLEGHENY PLATEAU 08																																	
BITTINGER 2 NW	MAX	73	73	75	75	78	78	76	77	78	76	72	68	65	59	76	69	66	67	63	73	64	56	66	60	58	63	72	75	75	67	69.8	
	MIN	57	59	60	56	61	60	60	61	57	60	59	61	57	55	50	59	55	54	56	60	50	43	51	48	35	51	54	55	59	59	55.3	
MCHEMRY 2 NW	MAX	77	78	78	77	80	82	82	80	80	80	80	68	68	65	67	79	72	69	70	66	74	64	57	67	62	60	65	75	78	77	72.6	
	MIN	56	58	60	58	60	60	60	60	59	63	61	60	58	56	49	54	54	55	56	56	47	44	44	48	38	40	54	57	56	57	54.6	
OAKLAND 1 SE	MAX	78	79	77	80	84	81	79	80	82	81	75	68	64	59	80	77	69	70	67	77	67	67	67	66	63	65	77	78	80	74	73.7	
	MIN	57	58	59	55	59	55	57	57	58	58	59	61	57	56	52	58	57	56	59	59	50	44	48	49	34	48	51	54	53	59	54.6	
SAVAGE RIVER DAM	MAX	81	77	76	82	81	86	85	81	83	85	84	71	73	71	66	83	73	72	70	67	78	68	61	67	67	63	57	67	76	76	74.2	
	MIN	56	60	60	59	59	62	62	61	59	60	60	61	61	60	54	58	58	57	57	59	53	45	46	54	37	37	52	54	60	61	56.1	
DELAWARE																																	
* * *																																	
NORTHERN 01																																	
MIDDLETOWN 1 NSW	MAX	81	74	81	85	88	88	86	87	90	88	85	84	82	78	85	86	81	80	80	82	81	73	71	69	68	67	68	78	79	77	80.1	
	MIN	61	61	59	60	64	65	61	67	65	64	71	68	66	62	65	63	66	66	67	66	63	49	61	59	42	49	57	60	58	58	61.4	
NEWARK UNIVERSITY FARM	MAX	73	75	82	85	87	89	84	86	90	88	86	84	81	78	84	85	81	80	76	81	79	73	72	70	68	68	68	76	80	76	79.5	
	MIN	62	61	59	59	62	67	60	68	66	66	67	66	67	60	64	61	64	60	68	65	53	49	60	58	48	52	55	55	57	61	60.7	
WILMGTON NCASTLE WSD	MAX	74	75	81	84	87	86	83	85	88	86	84	82	80	78	83	84	79	81	77	82	75	73	68	69	67	61	68	76	77	77	78.3	
	MIN	65	65	63	66	66	71	66	71	70	70	72	71	64	63	67	65	69	69	69	69	56	52	63	51	44	57	60	63	60	60	63.9	
WILMGTON PORTER RESVR	MAX	72	74	80	84	87	88	85	86	89	85	81	80	75	75	83	84	78	77	74	81	73	70	66	67	67	60	67	73	79	75	77.2	
	MIN	59	59	59	61	65	68	67	68	68	68	66	68	60	60	64	64	63	65	65	63	55	50	60	51	44	52	54	60	59	59	60.8	
* * *																																	
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX	71	77	83	85	90	88	86	88	87	88	85	82	83	80	85	86	83	82	79	86	74	70	76	70	68	60	68	78	77	75	79.7	
	MIN	58	60	56	60	63	63	60	66	65	60	68	70	68	65	64	60	60	64	66	64	62	52	62	62	44	45	55	53	59	60	60.5	
DOVER	MAX	75	73	82	84	88	85	82	84	87	84	84	81	79	79	85	84	80	82	80	80	81	72	71	69	69	68	69	75	76	78	78.9	
	MIN	62	61	60	63	68	67	63	68	67	68	71	70	68	64	66	64	66	66	65	66	64	54	62	62	49	50	60	59	60	62	63.2	
GEORGETOWN 5 SW	MAX	78	71	77	82	85	88	88	87	86	85	85	85	82	81	79	85	85	83	81	80	84	70	70	77	70	69	62	70	78	77	79.3	
	MIN	57	57	56	60	64	63	60	62	64	59	65	70	69	65	64	59	64	63	62	65	65	53	57	64	43	43	43	53	58	62	59.6	
LEWES 1 SW	MAX	73	75	80	84	85	85	82	82	83	84	82	79	80	79	82	84	79	78	77	82	74	70	76	69	66	64	71	76	72	73	77.5	
	MIN	61	58	58	62	65	65	63	64	65	61	69	72	69	64	63	62	65	67	68	71	65	60	65	61	55	49	59	56	65	66	63.1	
MILFORD 2 WSW	MAX	81	77	83	86	91	90	86	88	88	89	85	82	81	79	86	87	85	81	79	85	82	72	74	72	68	66	69	77	76	71	80.5	
	MIN	59	57	56	63	63	64	61	68	66	59	68	69	68	63	64	60	67	64	66	66	62	52	63	60	42	46	55	53	59	60	60.8	
SELBYVILLE																																	

See Reference Notes Following Station Index

EVAPORATION AND WIND

MARYLAND AND DELAWARE
SEPTEMBER 1971

Station		Day Of Month																															Total or Avg.
		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																																	
* * *																																	
UPPER SOUTHERN	04																																
BELTSVILLE	EVAP	.24	.07	.05	.26	.08	.29	.19	.22	.18	.22	.17	-	-	-	.17	.20	.41	.19	.10	.07	.14	.11	.08	.04	.03	.20	.18	.03	.23	.16	4.798	
	WIND	36	17	23	17	18	15	30	31	19	19	30	41	35	23	80	27	32	42	28	57	61	28	17	19	50	31	28	24	35	28	941	
	MAX	88	74	73	87	91	92	92	89	91	92	91	90	78	85	83	87	87	79	81	82	85	76	67	69	75	-	62	70	81	80	82.0	
	MIN	69	66	62	63	67	71	68	67	70	68	68	70	69	66	65	64	67	67	67	69	67	58	58	61	49	-	56	59	62	62	64.7	
UPPER MARLBORO 3 NNW	EVAP	.13	.06	.05	.13	.16	.12	.16	.16	.13	.14	.14	.15	.00	.15	.15	.17	.23	.08	.08	.10	.14	.07	.03	.04	.17	.13	.01	.04	.10	.09	3.31	
	WIND	14	4	5	11	10	6	10	9	5	5	8	12	1	0	19	9	10	12	14	14	22	9	6	2	24	9	7	5	7	6	275	
	MAX	89	72	76	89	92	93	96	95	95	94	95	92	79	91	88	92	91	85	84	81	88	75	67	70	81	78	64	79	85	84	84.7	
	MIN	62	65	62	63	66	69	61	66	69	66	67	70	69	67	65	65	65	67	68	68	68	58	58	61	50	55	56	59	61	61	69.6	
ALLEGHENY PLATEAU 08																																	
* * *																																	
SAVAGE RIVER DAM	EVAP	.17	.14	.12	.12	.10	.16	.18	.10	.20	-	-	.07	-	-	.17	-	-	.06	-	.11	.11	.11	*	.10	.05	.25	.12	.04	.09	.08	3.468	
	MAX	85	80	83	85	84	92	87	82	85	87	88	71	73	76	65	87	71	72	71	65	76	76	62	65	65	70	59	72	78	81	76.4	
	MIN	59	65	61	60	65	65	67	66	69	63	65	65	68	59	62	58	59	61	60	62	59	52	51	55	67	44	54	56	63	65	60.6	
DELAWARE																																	
* * *																																	
NORTHERN	01																																
NEWARK UNIVERSITY FARM	EVAP	.11	.08	.10	.05	.26	.21	.09	.12	.20	.18	.17	-	-	.11	.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MAX	78	74	86	91	90	95	92	90	94	93	91	87	80	77	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MIN	65	63	63	67	67	70	68	70	71	71	71	70	68	63	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOUTHERN 02																																	
* * *																																	
GEORGETOWN 5 SW	EVAP	.13	.11	.21	.17	.20	.17	*	.38	.17	.28	.28	.27	-	.10	.12	.24	.13	.16	.18	.14	.12	.06	.12	.07	.35	.23	-	.05	.15	.16	5.008	
	WIND	45	25	30	36	36	36	*	77	21	19	40	72	43	35	34	26	23	35	51	41	78	40	28	24	72	30	18	13	27	39	1134	

See Reference Notes Following Station Index

STATION INDEX

MARYLAND AND DELAWARE
SEPTEMBER 1971

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES			OBSERVER
								TEMP.	PRECIP.	SPECIAL	
MARYLAND											
AREDEEN PHILLIPS FLD	0015	06	HARTFORD	1	39 28	76 10	97	59	59		RUSS AVIATION INC.
ANNAPOLIS USN ACADEMY	0185	04	ANNE ARUNDEL	1	38 59	76 28	5	59	59		US NAVAL ACADEMY
ASSATEAGUE STATE PARK	0355	01	WORCESTER	2	38 14	75 08	7	69	69		ASSATEAGUE STATE PARK
BALTIMORE WSO	0445	04	ANNE ARUNDEL	3	39 11	76 40	148	MID	MID		NATL. WEATHER SERVICE
BALTIMORE CITY WSO	0470	06	BALTO CITY	3	39 17	76 37	14	MID	MID		NATL. WEATHER SERVICE
BELTSVILLE	0700	04	PRIN. GEORGES	5	39 02	76 53	120	8A	8A		CHESTER H. GORDON
BELTSVILLE PLANT STA 5	0705	04	PRIN. GEORGES	5	39 01	76 57	100	9A	9A		USDA PLANT IND. STA.
BRADSON POLICE BARRACKS	0732	06	HARTFORD	1	39 30	76 23	365	59	59		MD. STATE POLICE
BITTINGER 2 NW	0881	06	GARRETT	7	39 37	79 15	2700	79	79		ELBERT E. BUCKEL
BLACKWATER REFUGE	0915	02	DORCHESTER	1	38 24	76 08	5	59	59		NAT. WILDLIFE REFUGE
BOONSBORO	0966	07	WASHINGTON	5	39 31	77 39	735	69	69		J. HOWARD BECKENBAUGH
BOYDS 2 NW	1032	06	MONTGOMERY	5	39 13	77 20	580	69	69		MONT. F. STALEY
BRIGHTON DAM	1122	06	MONTGOMERY	4	39 12	77 01	390	6A	6A		MARY. SUB. SANY. COMM.
BROOKDALE	1170	06	MONTGOMERY	5	38 57	77 06	200	79	79		B. FRANCIS DASHIELL
CANNING 4 W	1388	02	DORCHESTER	1	38 36	76 09	5	69	69		D. ARCY MC B. HARGIS
CATCOTT MOUNTAIN PARK	1590	06	FREDERICK	5	39 39	77 29	1610	49	49		CATCOTT MOUNTAIN PARK
CENTREVILLE	1627	05	QUEEN ANNES	1	39 03	76 03	46	69	69		MARTIN G. LEIBY
CHARLOTTE HALL 2 SE	1684	05	ST. MARYS	4	38 28	76 46	168	59	59		MRS. SUSAN W. CARBID
CHESTERDOWN	1750	05	KENT	1	39 13	76 04	40	LIP	LIP		T. W. ELIASON JR.
CHESTERVILLE BRIDGEPORT	1790	07	WASHINGTON	5	39 39	77 40	500	69	69		LAWSON H. WOLFINGER
CLARKSVILLE 3 NNE	1802	06	HOWARD	4	39 15	76 56	365	59	59		UNIVERSITY OF MARYLAND
COLEMAN 3 NW	1980	05	KENT	1	39 21	76 08	78	69	69		M. B. HARRIS
COLLEGE PARK	1995	04	PRIN. GEORGES	5	38 58	76 37	90	59	59		UNIVERSITY OF MARYLAND
CORNINGO DAM	2060	06	HARFORD	6	39 39	76 10	40	MID	MID		SUSQUEHANNA ELECTRIC CO.
CROSFIELD SOHENS COVE	2215	01	SOMERSET	1	37 59	75 32	8	59	59		SOMERS COVE MARINA
CUMBERLAND	2285	07	ALLEGANY	5	39 39	78 45	900	69	7A		MD. STATE POLICE
CUMBERLAND POLICE BRKS	2285	07	ALLEGANY	5	39 39	78 45	900	69	7A		TIMOTHY B. THOMAS
DENTON 1 NW	2528	02	CAROLINE	1	38 54	75 51	40	69	69		MD. STATE POLICE
EASTERN NECK ISLAND	2691	05	KENT	1	39 01	76 14	20	59	59		EASTERN NECK WOLF REP
EASTON POLICE BARRACKS	2702	02	TALBOT	1	38 45	76 04	40	59	59		MARYLAND STATE POLICE
EDGEHUNT	2770	07	WASHINGTON	5	39 40	77 39	905	7A	7A		LEE G. HARNE
ELKTON	2860	06	CECIL	1	39 27	75 50	40	69	69		H. W. BOUCHELLE
EMITTSBURG 2 SE	2908	06	FREDERICK	5	39 41	77 18	410	59	59		MRS. LUCILLE K. BEALE
FEDERALSBURG	3090	02	CAROLINE	1	38 41	75 46	20				SEWAGE TREATMENT PLANT
FORT GEORGE G. MEADE	3230	04	ANNE ARUNDEL	4	39 06	76 45	140	59	59		FILTRATION PLANT
FREDERICK WFO	3350	06	FREDERICK	5	39 25	77 28	435	69	69		RADIO STATION WFO
FREDERICK 3 E	3355	06	FREDERICK	5	39 24	77 22	385	8A	8A		MISS I. MARY STALEY
FUSFOUR	3410	07	ALLEGANY	5	39 39	78 56	2140	59	59		D. DAVID DOWNTON
GLENN DALE BELL STA	3575	04	PRIN. GEORGES	4	38 58	76 48	150	49	49		PLANT INTRO. GARDEN
GRANTSVILLE	3795	06	GARRETT	7	39 42	79 09	2380				MRS. FANNIE B. MILLER
HAGERSTOWN	3975	07	WASHINGTON	5	39 39	77 44	600	69	69		HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	4030	07	WASHINGTON	5	39 42	76 11	428	8A	8A		U. OF MD. FRUIT LAB.
LA PLATA 1 W	5080	03	CHARLES	5	38 32	77 00	140	59	59		C. RUSSELL LEVERING
LAUREL 3 W	5111	04	PRIN. GEORGES	4	39 06	76 34	80	59	7A		WASH. SUB. SANY. COMM.
LEONARDSTOWN 3 NW	5201	03	ST. MARYS	5	38 19	76 40	110	59	59		RADIO STATION WKIK
LOCH RAVEN DAM	5940	06	BALTIMORE	1	39 24	76 33	190	69	69		CITY OF BALTIMORE
MCHEENRY 2 NW	5932	06	GARRETT	7	39 35	79 22	2080	8A	8A		JOSEPH F. JOHNNING
MERRILL	5894	06	GARRETT	5	39 36	76 09	1790	8A	8A		DELWOOD E. MERRILL
MILLINGTON	5965	05	KENT	1	39 16	76 51	30	69	69		LOUIS H. HOLLETT
NEW GERMANY	6408	06	GARRETT	5	39 38	79 07	2590				ARCHIE BITTINGER
OAKLAND 1 SE	6620	06	GARRETT	7	39 24	79 24	2420	59	59		LOGAN WEBER
OWINGS FERRY LANDING	6770	03	CALVERT	4	38 41	76 40	150	59	59		JAMES E. BOURNE, JR.
PARKTON 2 SW	6844	06	BALTIMORE	1	39 38	76 42	600	LIP	LIP		JOHN R. FOX
PERRY POINT	6960	06	CECIL	1	39 39	76 04	80				VETERANS ADMINISTRATION
PICARDY	7010	07	ALLEGANY	5	39 39	78 31	1030	69	69		POTOMAC HMD. ORCHARD
POTOMAC CITY	7140	02	WORCESTER	1	38 04	75 33	20	59	59		ROBERT A. WESTFALL
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	5	39 02	77 19	270	6A	6A		WASH. SANITARY COMM.
PRESTON 1 S	7310	02	CAROLINE	1	38 42	75 59	50	69	69		FRANKLIN D. RUSSBAUM
PRINCE FREDERICK 1 W	7325	05	CALVERT	1	38 33	76 35	135	59	59		STANLEY L. WATSON
PRINCESS ANNE	7330	01	SOMERSET	1	38 19	75 41	20	59	59		MARYLAND ST. COLLEGE FRM
ROCKVILLE 4 NE	7705	06	MONTGOMERY	5	39 07	77 06	320	59	59		WILLIAM R. NOPPER
ROYAL OAK	7800	02	TALBOT	1	38 43	76 11	10	69	69		J. L. SWANEY, JR.
SALISBURY	8000	01	WICOMICO	1	38 22	75 35	10	59	59		CITY OF SALISBURY
SALISBURY FAA AIRPORT	8005	01	WICOMICO	1	38 20	75 30	48	MID	MID		FED. AVIATION AGENCY
SAVAGE RIVER DAM	8060	06	GARRETT	5	39 31	79 08	1490	8A	8A		U. S. CORPS OF ENGINEERS
SINES DEEP CREEK	8215	06	GARRETT	7	39 35	79 25	2040	69	69		PA. ELECTRIC CO.
SNOW HILL 4 N	8380	01	WORCESTER	1	38 14	75 23	28	69	69		CURTIS E. SHOCKLEY
SOLDONDS	8400	08	CALVERT	1	38 15	76 27	12	69	69		CHESAPEAKE BTL. LAB.
SUITLAND	8624	04	PRIN. GEORGES	5	38 51	76 36	270	9A	9A		EUGENE H. BROWN
TOWSON	8877	06	BALTIMORE	3	39 23	76 34	390	69	69		BENDIX PRIZ
UNIONVILLE	9030	06	FREDERICK	5	39 27	77 11	430	69	69		G. P. VON EIFF, JR.
UPPER MARLBOROUGH 3 NW	9070	04	PRIN. GEORGES	4	38 52	76 47	98	8A	8A		TOBACCO EXP. FARM
VIENNA	9140	02	DORCHESTER	1	38 29	75 30	12	69	69		DELAVIA POWER & LIGHT
WALDORF POLICE BAKS	9195	03	CHARLES	5	38 39	76 53	210	59	59		MD. STATE POLICE
WESTMARTIN 2 WPC	9405	07	ALLEGANY	5	39 29	79 03	950	69	69		UPPER POTOMAC RIVER CON
WESTMINSTER 2 SSE	9430	08	CARROLL	1	39 38	76 39	610	69	7A		L. EUGENE PURDUM
WHEATON REGIONAL PARK	9502	06	MONTGOMERY	5	39 04	77 02	330	59	59		PARK & PLANNING COMM.
WILLIAMSPORT	9570	07	WASHINGTON	5	39 37	77 51	340	7A	7A		HAGERSTOWN WTR. PLANT
WOODSTOCK	9780	06	BALTIMORE	3	39 20	76 32	415	69	69		WOODSTOCK COLLEGE
DISTRICT OF COLUMBIA											
DALECARLIA RESVR D C	2325	04		5	38 56	77 07	144	59	59		CORPS OF ENGINEERS
NATIONAL ARCADETUM D C	6350	04		5	38 54	76 58	50	49	49		U.S. NAT. ARCADETUM
U. S. SOLDIERS HOME D C	9035	04		5	38 56	77 01	230	MID	MID		U.S. SOLDIERS HOME
DELAWARE											
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 45	75 37	50	59	59		WILLIAM RAY
DOVER	2730	02	KENT	2	39 09	75 31	30	59	59		STATE HIGHWAY DEPT.
GEORGETOWN 5 SW	2970	02	SUSSEX	1	38 38	75 27	45	8A	8A		UNIV. AGRI. EXP. STA.
LEWIS 1 SW	3320	02	SUSSEX	2	39 48	75 09	20	69	MID		FREDERICK D. VOGL
MIDDLETOWN 1 WSW	3832	01	NEW CASTLE	2	39 20	75 48	50	49	49		PIONEER HIBREW CORN CO.
MILFORD 2 WSW	3915	02	SUSSEX	1	38 54	75 28	30	59	59		MRS. BENARD FRAWEL
NEWARK UNIVERSITY PARK	6410	01	NEW CASTLE	2	39 40	75 44	90	69	69		UNIV. OF DELAWARE
SELBYVILLE	8269	02	SUSSEX	2	38 28	75 13	32	59	59		L. WIKRIE LONG
WILMINGTON CASTLE WSO	9590	01	NEW CASTLE	2	39 40	75 36	74	MID	MID		NATL. WEATHER SERVICE
WILMINGTON PORTER RESVR	9605	01	NEW CASTLE	2	39 46	75 32	274	MID	MID		WATER DEPARTMENT

DRAINAGE CODE: 1-CHESAPEAKE 2-COASTAL 3-PATAPSCO 4-PATUXENT 5-POTOMAC 6-SUSQUEHANNA 7-YOUGHIOWHENY

REFERENCE NOTES

MARYLAND AND DELAWARE
SEPTEMBER 1971

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the National Oceanic and Atmospheric Administration State Climatologist, Room 101, Jull Hall, University of Maryland, College Park, Maryland 20742, or to any Weather Service Office near you. Additional precipitation data are contained in "HOURLY PRECIPITATION DATA MARYLAND AND DELAWARE."

DIMENSIONAL UNITS: 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. In "Supplemental Data" table directions entered in figures are tens of degrees. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations.

OBSERVATION TIME: 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 the ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Service Offices and FAA stations. For these stations snow on ground values are at 7:00 a.m., e.s.t. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "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.

EVAPORATION is measured in the standard Weather Service-type pan of 4-foot diameter unless otherwise shown by footnote following the Evaporation and Wind table. Max and Min values in the Evaporation and Wind table are extremes of temperature of water in pan as recorded during 24 hours ending at time of observation. Wind is the total wind movement in miles over the evaporation pan as determined by a continuous anemometer recorder located 6-8 inches above the pan.

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. Time of observation 1:00 p.m., e.s.t.

SNOWFALL: Entries of snowfall in the "Monthly Summarized Data" table, 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.

NORMALS for all stations are climatological standard normals based on the period 1931-1960.

DIVISIONS, as used in this publication, became effective with data for October 1956.

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

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

LATE REPORTS AND CORRECTIONS will be carried only in the June and December issues of this bulletin.

INTERPOLATED VALUES for monthly precipitation totals may be found in the annual issue of this publication.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, and the Station Index.

No record in the "Monthly Summarized Data" table and the "Daily Temperature" table is indicated by no entry.

+ And also on an earlier date or dates.

++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

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.)

T Trace, an amount too small to measure.

V Includes total for previous month.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

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

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in the "Hourly Precipitation Data" bulletin. If daily amounts are published in "Climatological Data" bulletin they are from a separate non-recording gage, except where indicated by reference 'R'. Such amounts may differ from amounts published from the recording gage in the "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.

S Storage precipitation station. Precipitation measurements, made at irregular intervals will be published later in "Precipitation Data from Storage-Gage Stations" Bulletin.

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

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

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

Stations appearing in the tables with no data were either missing or received too late to be included in this issue.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, CLIMATOLOGICAL DATA NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

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, price 25 cents. Similar information for regular National Weather Service Offices may be found in the latest annual issue of Local Climatological Data, price 15 cents. These publications may be obtained from the Superintendent of Documents at the address shown above.

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, D. C. 20402.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Hoggard
Director, National Climatic Center

USCOMM-NOAA-ASHEVILLE-11/2/71-860