U. S. DEPARTMENT OF COMMERCE CHARLES SAWYER, Secretary WEATHER BUREAU F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

ANNUAL SUMMARY 1951
Volume LV No. 13



MARYLAND AND DELAWARE - 1951

G. N. Brancato, Section Director - Baltimore, Md.

WEATHER SUMMARY

Mild temperatures, abundant rain and little snow characterized the weather of 1951.

November was the only month with mean temperature averages below normal, while January, February, October and December were well above normal. The growing season was long, running from the last killing frost in spring during the last half of April to the first killing frost of autumn in the early part of November for most areas. As a result, frost damage to crops was minor. On December 7th, an 80-degree reading at Westernport, Maryland, set a new high temperature record for December for Maryland, while a temperature of 76 degrees, on the same date at Lewes, Delaware, equalled that State's previous high temperature record for December.

Precipitation was abundant through most of the year. Maryland's June rainfall averaged the highest of any June of record but there were no serious floods. August, September and October were dry in most areas but the dryness came late and did not affect crop development seriously.

Monthly snowfall totals were light throughout the year, the lone exception being above normal amounts in Maryland during December. The deficiency was particularly pronounced from January to April.

There were no hurricanes sufficiently close to the Maryland-Delaware coast to cause any unusual high winds or high tide damage.

The number of thunderstorms during the year was about average.

January: Mean temperatures were well above normal for the third successive January, but they averaged some eight degrees below the record-breaking warmth of January one year earlier. Precipitation totals were somewhat below normal but there was considerable variation in amounts over the area. Snowfall was somewhat below that regularly received, except in extreme western Maryland where it was about typical for January.

February: Continuing a pattern of mildness, also for the third successive February, mean temperatures from all stations averaged about three degrees above normal. Precipitation totals varied considerably and averaged about one-tenth of an inch below normal. Falls of snow were exceptionally light.

March: Both mean temperatures and precipitation totals averaged near normal this month, but snowfall totals continued very light.

April: Precipitation totals and mean temperature averages continued close enough to normal to be considered normal. Precipitation varied considerably in the Section but temperature averages showed only slight deviation from normal.

May: As in April, mean temperatures were near normal and precipitation totals varied considerably.

June: Record-breaking rainfall in Maryland, especially in and near the District of Columbia, was the outstanding feature of this month. Thunderstorms were more common than usual. Mean temperatures averaged near normal.

July: Rainfall totals were slightly below normal as the late summer dry period started. Mean temperatures averaged slightly above mid-summer normals.

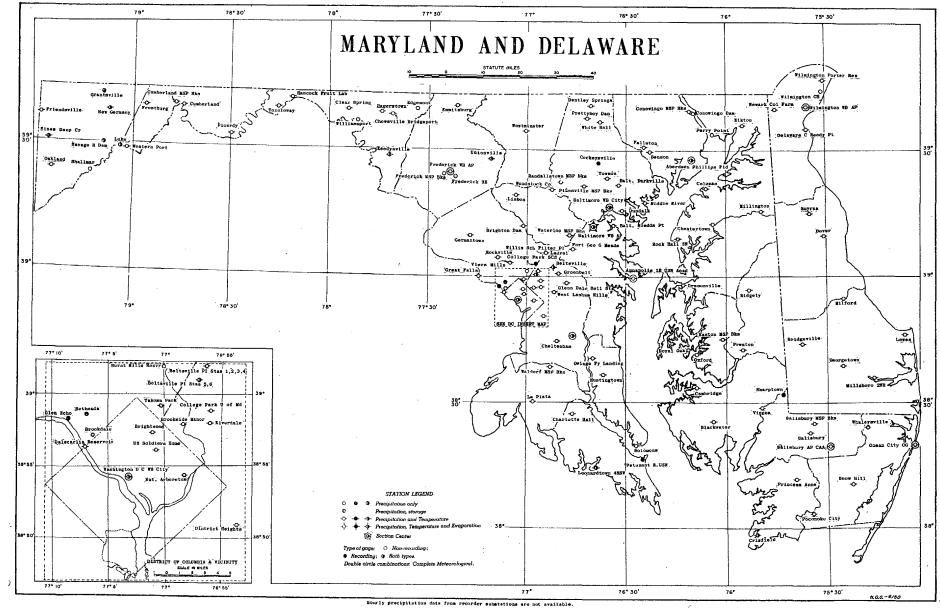
August and September: Precipitation was considerably below normal and mean temperatures averaged near normal during these months.

October: This was a warm month with some area having precipitation totals near normal and others having record-breaking deficiencies.

November: This was the only 1951 month with mean temperatures well below normal and the coldness approached November records in that respect. Precipitation was heavy with average amounts just under record levels. Snowfall was light.

December: Although precipitation continued heavy as it did in November, temperatures reversed from the near record coldness of the preceding month to values well above normal. Snowfall was slightly below normal in Delaware and almost twice the normal in Maryland. - H.L.A.

See Page 199 for Acknowledgments



	Janu	ary	Febr	uary	Ma	rch	Ar	ril	M	ay	Ju	ne	Ju	ly	Aug	ust	Septe	mber	Octo	ber	Nove	mber	Dece	nber	Anı	nual
Station	Тетр.	Departure	Тетр	Departure	Тетр	Departure	Тетр	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Тетр.	Departure	Temp.	Departure	Temp.	Departure	Тетр.	Departure	Тешр.	Departure	Тетр	Departure
ABERDEEN PHILLIPS FLD ANNAPOLIS US N ACADEM ANNAPOLIS WATER WORKS BALTIMORE SLEDDS PT BALTIMORE WB AIRPORT	34.4 37.3 - 37.7 36.9	2.9	35.6 36.3 37.4 36.5	1.4	42.5 42.9 44.6 43.3	5 - -	51.5 53.6 52.9 54.9 53.8	- 5	62.3 63.0 62.0 64.6 63.4	- 1.0	70.5 72.3 71.1 72.8 72.0		75:6 77:3 75:8 77:3 77:3	.0	73.7 76.0 73.6 75.4 74.8	- 1	66.6 70.1 66.8M 68.8 68.3	. 5 - -	59.1 61.6 58.7 60.4 59.9	2.9 3.5	40.6 43.6 42.2 42.6 41.6	- 4.9 - 3.5 - 6.0	40.0 37.3M 38.5	-	54.1 56.2 56.2 55.5	.1 .6 -
BALTIMORE WB CITY BALTIMORE PARKVILLE BELTSVILLE BELTSVILLE PLT IND ST1 BELTSVILLE PLT IND ST2	38.8 36.5 35.7 35.2 35.1	2.3	38.0 36.6 34.7 35.0 35.1	1.1	45.1 43.3 41.3 41.3 41.4	- 1.3	55.5 53.5 51.5 51.4 51.0	1	65.0 64.1 61.2 61.1 61.1	9	73.6 71.7 70.0 69.5 69.7	9	79.0 76.2 75.1 74.6 74.5	.3	76.7 74.1 72.6 72.6 72.3	7	70.5 67.8 66.9 66.6 66.4	1	58.1 58.2 57.9	3.7 2.7	44.0 41.5 40.5 40.3 40.8	- 3.0 - 4.9	37.9M	1.4	57.4 53.7 53.5 53.5	1.5 1 -
BELTSVILLE PLT IND ST3 BELTSVILLE PLT IND ST4 BELTSVILLE PLT IND ST5 BELTSVILLE PLT IND ST6 BELTSVILLE PLT IND ST6 BENSON POLICE BRES	36.4		35.8 35.9 34.9 36.3 35.8	-	42.2 42.4 40.9 42.5 42.0	1	52.3 52.7 50.7 53.4 51.9		62.1 63.3 61.0 63.0 62.7	-	70.5 71.2 69.8 71.3 70.6	-	75.4 76.4 74.7 76.5 74.7	-	73.5 74.1 72.4 74.4 72.7		67.4 68.5 66.4 68.1 66.8	1111	58.8 59.4 57.6 59.6 59.1	-	41.4 41.4 40.9 42.0 41.4	-	37.0 37.2 36.4 37.7 36.5	-	54.4 54.9 53.4 55.2 54.1	-
BENTLEY SPRINGS BERLIN BETHESDA NIH BLACKWATER REFUGE BRIGHTON DAM	33.4 37.1 37.7 36.3	- - -	33.4 37.2 37.8 36.3	1111	40.4 43.7 42.9 42.5		50.0 53.7 52.6 52.2		60.7 63.1 62.6 61.7	,- - -	68.4 71.0 71.4 69.8	-	72.6 75.7 77.2 73.1	-	70.7M 74.0M 73.4 74.5 73.2		64.7 68.8 66.9 68.4 66.7		55.9 61.0 58.0 60.6 58.0	-	38.6 45.6 40.5 44.4 41.1	=	34.6 42.2 38.0 41.2 36.7		52.0 54.8 55.9 54.1	-
BRIGHTWOOD DC BROOKSIDE MANOR CAMBRIDGE 5 W CHARLOTTE HALL CHELFENHAM	38.3 37.5 38.8 40.2 37.4	2.7 6.4	38.1 37.9 39.1 39.4 36.2	4.5	44.2 44.7 44.2 45.7N 43.1	9 .7	55.1 M - 53.2 54.6 53,1	.5	65.0 64.0M 62.9 63.1 62.0	- 2.2 - 1.9 - 1.7		- 1.6 - 1.3 3	78.8 77.7 77.4 76.2 76.1		75.6 74.3 74.7 73.3 73.4	- 1.2 - 1.9 5	69.9 69.1 69.4 67.9 67.4	8 - 1.1 - 1.0	60.6 60.4 61.6 60.5 59.4	2.8	43.1 42.5 45.0 44.8 42.6	- 3.0 - 2.5 - 3.5			56.7 56.6 56.5 55.0	.0 .8 .0
CLEAR SPRING COLEMAN	37.4 34.3 34.3 37.4 37.4M	3.1 3.6	36.9 34.7 36.0 37.6 37.8	3.5 5.3 3.6	43.9 42.1 42.3 44.5 44.9	.9 1.1 .8	54.2 51.8 52.2 54.8 53.9	1.3 1.1 1.7	63.8 61.1 63.0 64.6 63.8	1.3 8	72.2 70.4 70.9 72.0 72.4	1.0 1.6	77.5 74.4 75.2 77.8 77.5	1.0	75.9 72.0 72.21 76.4 74.5	.1 .0 1.7	70.2 66.1 66.8 68.5	.2	60.8 57.4 58.8 62.2 60.3	3.0 4.4 3.9	43.6 39.3 39.8 44.5 42.8	- 2.4 - 3.9 - 3.6 - 2.5 - 2.6	36.4	3.9 4.2	56.3 53.2 54.0 - 56.1	1.7 1.0 1.6
CONOWINGO DAM CONOWINGO POLICE BRKS CRISFIELD CUMBERLAND POLICE BRKS	32.7 32.1 41.1 34.2 32.9	2.8 2.8	34.1 32.1 40.6 35.8 35.0	1.3 2.6	41.3 41.2 46.0 43.2 41.6	- 1.1 2.5	51.1 50.9 57.0 51.7 51.8	1.2	61.6 61.0 66.1 62.1 61.8	.3	69.8 69.2 74.0 70.4 69.4	5	75.1 76.9 80.3 74.5 73.6	2.2	73.8 74.2 77.7 72.0 70.3	.8	66.3 68.2 73.3 67.1 64.6	1.0	58.5 58.9 64.4 57.9 55.5	3.1	40.7 42.4 48.9 38.7 38.2	- 3.3 - 2.0 - 4.4	35.7 37.6 44.9 34.5	4.0	53.4 53.7 59.6 53.5	.6 1.2 .5
DALECARLIA RESERVOIR D DISTRICT HEIGHTS DUNDALK EASTON POLICE BRKS ELECTON	38.4 39.0 38.5 38.9 35.3	- 3.9	38.3M 38.0 38.1 39.3 36.6	4.0	45.0 44.1 45.0 44.6 42.8	- - .2	54.2 54.7 55.5 54.7 53.3	1.3	64.5M 63.8 65.0 63.5 63.1	-	72.8 71.8 72.8 73.4M 71.1	1.5	77.8 77.1 78.0 78.3 75.8	2.0	75.6M 74.8 75.8M 75.5 73.9	.9	69.2M 68.7 70.0 71.1 67.7	-	60.0 60.1 61.2 61.0 59.2	3.3 3.2	43.4 43.5 44.8M 42.0		39.4M 40.1 40.3 39.8M 37.5		56.6 57.0 57.1 54.8	1.7
	34.0 33.3 36.2 34.8 35.1	1.8	33.9 34.0 35.5 34.8 35.5	1.5	41.4 40.7 42.3 42.3 42.9	.2 - 3	51.8 51.1 52.3 52.7 52.4	.2 - 1	63.3 61.2 61.1 62.7 62.6	- 1.0	68.7 69.3M 70.8M 71.7	- 1.2 - 1.3	74.4 75.2 75.9 77.2	6	72.8 73.2 72.7 74.0	-	67.0 66.8 66.4 68.4	- 1	58.9± 59.0 58.3 57.9 59.3	3.6	40.5 40.4 41.6 38.8 41.3	- 3.2 - 3.7 - 5.7	36.8 37.8	2.6	53.3 54.1 54.7	.5 - .0
PRIENDSVILLE FROSTBURG GERMANTOWN GLENN DALE BELL STA GRASONVILLE	33.7 32.5 36.6 36.7	2.5 3.5	34.0 32.9 35.9M 36.9	2.4 1.3 1.9	39.4 38.3 43.2 43.5 45.0	9 2 6	48.4 48.3 53.1 53.0 55.2M	.6 .1	58.7 59.0 62.7 62.5 64.0	9 1 7	66.5 67.2 70.4 71.4 72.8	9 6	69.4 70.5 75.5 76.1 77.8	~ 1.0 .3 .6	66.4 68.2 73.4 74.6	-	60.7 63.1 67.8 67.8 69.3	- 1.3 2 4 8	53.1 55.1 59.5 59.1 60.7	3.5 3.4	35.2 35.6 41.1 42.1 44.0	- 4.5 - 3.6	33.0 37.8 38.5 39.81	3.5 2.1 2.8 1.0	50.3 55.1	4 .5
Greenbelt Eagerstown Hancock fruit lab Huntingtown Keedysville	35.7 34.5 30.8 39.8 35.7	1.2 4.7	35.0 34.5 32.5 38.7 36.0	2.9 1.7	41.0M 42.3 39.5 44.2 43.0	- 2.3 9	52.0M 52.4 49.3 54.2 52.6	- 3.2 .0	62.0 62.9 60.6 63.1 62.0	-		- 1.8 - 1.2	75.5 75.9 73.9 76.1 76.5	8	72.4% 73.3% 70.6 73.8 74.6	3	66.7 67.8 64.4 68.9 68.9		58.3M 58.4 55.5 60.7 59.8		40.7 39.4 37.2 44.2 40.4	- 6.5 - 3.9 - 4.3		3.0	53.8 54.0 51.2 56.3 54.7	- 1.7 .5 .7
LA PLATA LAUREL 3 W LEONARDTOWN 4 SSW LISBON MIDDLE RIVER	40.0 37.5 40.2 33.8 36.0	4.4 4.1 2.4	38.8 37.1 40.2 34.5 36.5	3.5 3.4	45.2 43.8 45.6 40.8 43.9	3,0	54.7 53.9 55.5 51.1 54.6	1.3	63.2 64.0 64.2 61.7 64.9	6 2	72.8 73.5 70.0 73.3	.4	76.9 77.7 74.5 78.1	.5 .7 .5	74.0 75.4 71.9 76.0	4	68.9 69.6 69.8 65.9 69.2M	- 1.2	61.2 61.5 56.8 60.2	3.4 3.1 1.6	-		39.6 39.0 40.7 35.9 38.7	1.7 3.8 1.8 2.2	56.6 57.4 52.9 56.2	1,2
MILLINGTON NATIONAL ARBORETUM DC NEW GERMANY OAKLAND OCEAN CITY	38.1 39.5 27.1 31.1 40.5	-	37.6 38.6M 29.4 32.2 39.7	-	44.7 46.3 M 34.1 37.0 43.4	.1	54.0 55.1 43.7 46.6 52.8	-	63.4 64.7 56.2 56.7 60.3		72.2 72.8 63.3 64.9 67.7	_	77.2 77.9 M 66.7 67.9 74.6	1.1	75.1 75.9 63.8 65.8 76.7	.9 2	69.8 71.0 58.0 60.1 71.2	1.2 - 8	61.0 60.8 51.5 52.8 62.6	3.7	43.6 44.81 31.8 33.2 46.1	-	40.6 41.9 28.2 32.1 42.1	4.4 - 2.2	56.4 57.5 46.2 48.4 56.5	1.4
OWINGS PERRY LANDING OXFORD PICARDY PIKESVILLE POCOMOKE CITY	39.4 38.8 35.0 35.8 41.2	3.7 2.4	38.4 38.8 35.7 35.7 40.8	1.3 2.0	44.4 44.6 42.0 42.4 45.3	2 -	54.5 53.8 51.8 52.8 55.4	- 2.1 .2	63.2 63.8 61.6 63.8 63.3	7	71.6	3	76.9 77.0 73.6 77.0 78.2	.7 5 4	74.0 74.5 71.7 75.2 75.3M	5 - 2.4 5 8	69.0	3 4 8 6		3.0 .7 2.7		- 3.0 - 5.9 - 6.2 - 2.6	41.1 34.9 39.1 42.8	3.2 .7 2.4	56.6 53.1 55.4 57.7	.6 1 .4
PRESTON 1 S PRETTYBOY DAM PRINCESS ANNE RANDALLSTOWN POL BRKS RIDGELY	39.2 40.5 35.4 39.5	-	39.5 40.5 35.4 39.6	-	44.7 42.7 45.0 42.9 45.2	3	54.1 52.2 54.5 53.4 55.1	.6	63.4 63.0 62.3 63.4 64.6	9	72,8 69,7 71,2 71,2 73,3	2	76.7 75.6 75.8 75.5 77.8	3	74.1 72.5 73.1 73.6 75.2	3 - 1.5	68.9 67.6 67.2 70.0	- 1.3 1.2	58.0		44.4 39.0 44.7 40.0 44.8	- 5.8 - 2.7 - 1.9	40.9 36.8	2.2 5.3	56.3 54.4 57.4	2.1
RIVERDALE ROCK HALL 3 N ROCKVILLE ROYAL OAK SALISBURY	37.3 37.8 37.3 39.4 41.1	_	37.6 37.2 37.5 38.9 40.9		43,9 44.0 44,7 45.3 45.9	-	53.8 53.9 54.5 54.8 55.5] :	62.6M 62.7 63.2 64.4 64.3	- 1.1 0	71.9M 71.4 71.0 73.4 72.5	:	77.0 M 76.6 76.0 78.1 77.7	4	73.3 74.5 74.2 75.5 75.5	<u> </u>	67.7M 69.1 68.4 70.6 69.5	4	59.2 61.0 60.4 61.9 61.2	-	41.3 43.4 43.5 44.9 46.4	- 3.8	36.5M 40.6	2.7 4.3	55.3 55.9 55.6 57.3 57.8	1,2
SALISBURY POLICE BRKS SALISBURY CAA AIRPORT SALISBURY U S G S SAVAGE RIVER DAM SILVER HILL OBS	38,2 39,6 40,3	-	39.6 39.0 38.8	-	45.3 44.0 44.3M	-	54.8 53.2 55.0	-	63.9 62.0 63.3 60.2M	=	72.3 71.4 72.5 66.4M	-	77.4 76.9 77.8	-	74.6 73.9 74.8 78.9	-	67.9 69.1	-	60.4 59.8 61.6 54.3M	-	45.2 44.3 46.6	-	41.3¥ 40.8 42.6 - 39.5	11131	56.1 57.2	-
SINES DEEP CREEK SNOW HILL 1 NE SOLOMONS TAEOMA PARK MISS AVE TONOLOWAY	30.4 40.6M 40.8 37.7 34.3	3.5 4.4 5.0	30.7 39.5 39.1 37.6 35.3	2.0 2.6 1.9	36.4 44.0 45.6 44.3 42.8M	4	45.6 53.9 55.2 54.5 51.8	.9	57.3 62.4 64.5 63.4 61.6	- 1.2	65.0 71.4 73.3 71.6 70.3	5 4 6	68.7 76.0 79.1 76.8 74.4	1.6	65.6 73.8 77.3 74.1 71.2M	0 1 .3 7	68.5 72.2 68.4 66.3	6 .1 .3	63.1 59.6	1.9 2.6 2.5	32.7 45.7 47.0 42.2 38.8		42.6 42.2 39.0	3.2	56.5 58.3 55.8 53.2	1.0
TOWSON UNIONVILLE U S SOLDIERS HOME D C VIENNA VIERS MILL	35.7 34.2 37.4 40.2 36.1	2.7	35.6 35.3 36.0 39.4 35.9	2.7 - - - -	42,4 41.5 43.2 45.5 43.2	1.6	53.9 51.7 54.0 54.9 52.8	.9 - - -	63.4 61.0 64.1 63.2 61.9	.2	71.0 69.3 71.7 72.7 71.0	1.2	75.9 74.1 77.1 77.6 75.3	1.0	73.5 71.2 75.0 75.1 73.1	.3 - - -	67.8 64.9 69.0 67.6 66.9	1.4	58.8 57.5 60.2 61.9 58.4	2.9	41.0 39.5 42.9 46.44 41.3	- 3.6 - - -	38.1 34.4 38.9 41.7 37.4%	4.1	54.7 52.9 55.8 57.2 54.4	1.5
WALDORF POLICE BRKS WASHINGTON WB CITY DC WATERLOO POLICE BRKS WEST LANNAM HILLS WESTERN PORT	39.0 39.8 36.5 38.3 34.8	-	38.6 38.9 36.2 37.8 36.4	-	45.1 45.5 43.6 44.3 43.1] :	54.5 56.1 53.3 53.8M 52.1	-	63.4 65.2 63.7 63.6M 62.4	1.5	72.2 73.6 71.6 71.6 70.6	1.4	77.6 79.2 75.8 76.4 74.3	2.4	74.3 77.0 73.2 74.3 72.3] :	69.7 70.6 67.7 68.8 66.9	2.5	60.7 61.7 59.9 - 58.4	Ξ	43.7 43.6 42.3 42.01 39.1	- 1.6 - - 4.6	39.7	1.3	-	2.6
WESTMINSTER WHALEYSVILLE WHITE HALL WOODSTOCK COLLEGE	34.8 40.4 23.4 34.9	2.7	34.4 40.1 35.8	2.6	44.1	.7	52.3 54.2 52.4		62.3 62.4 62.5	ļ	70.0 70.5 70.6 71.0	8	75.3 75.6 76.0	ì	72.8 - 73.7 73.6		66.7 - 67.4 67.9	1.1	57.7 - 58.1 59.2	2.0 - 3.2 2.6	=	- 5.4 - 3.1	1	2.5 3.1	53.7 - 54.3 55.0	.1
STATE AVERAGE	36.6	3.2	36.7	3.2	43.1	.3	53.0	.,,	62.7	ر. ، ا	.1.0	'-						"								

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL MARYLAND AND DELAWARE 1951

Table 1-Continued

	Janu	ary	Feb	uary	Ma	ırch	A	oril	М	ay	Ju	ne	Ju	ıly	Auç	just	Septe	mber	Octo	ber	Nove	mber	Dece	mber	Anı	nual
Station	Temp	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Тетр.	Departure	Тепр.	Departure	Temp	Departure	Тетр.	Departure	Тещр.	Departure	Тещр.	Departure	Temp.	Departure
DELAWARE																										
CLATTON DELAWARE CITY REEDY PT DOVER	39.0 36.3 37.5 39.5	3,2 2,3	38.7 37.0 37.6 39.3	3.0 2.1	43.6 43.7 44.5 43.6	1.7 1.1	53.1 53.4 54.3 53.5	1.1	62.4 63.8 63.8 63.9 62.7	.5	71.3 72.2	8 3	76.3 77.3 74.9 77.3 77.0	- 1.7	73.4 75.6 73.6 75.3 74.1	- 1.2 .6	69.4M	- 2.0 .7	59.9 61.1 59.8 60.8 59.6	2.1 3.3	44.5 43.9 42.8 45.0 44.7	- 3.5 - 1.5	41.1 39.41 41.7 41.2	3.3	55.9 55.2 56.6 56.2	.6 .4 1.2
MILFORD MILLSBORO NEWARK COLLEGE FARM	39.1 39.7 39.6 35.0 37.8	3.8	38.4 37.7 39.2 35.6	1.9 3.3	42.9 43.4 41.9	- 1.1	52.6 53.4 51.5	.5	61.5 62.4 62.4		70.4 71.5 70.9 70.1	8	75.1 76.7 76.1 75.1	1 2 .3	73.6 73.7 73.3	- 1.0		7	59.6 60.4 58.4		44.9 44.8 41.2		40.8 40.8 38.1M 37.1		55.6 - - 54.0	1.4
WILMGTON REASTLE WB AP WILMINGTON PORTER RESV			34.8 35.1		41.5 41.4		51.6 51.7		61.9 61.9	- 1.1	70.4 69.8	- 1.5	75.9 75.0	- 1.0	73.8 73.1		67.0 66.8	- 1.3	59.1 59.0	2.2	41.5 41.3	 - 4.4			54.1 54.0	- :1 - :1
	37.5 36.7		37.3 36.8	1	42.9 43.1		52.8 53.0			1	71.1 71.0		76.1 76.0		74.0 73.7		67.9 67.9		59.8 59.3			- 3.2 - 3.2	1		55.4 55.1	.4

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrolgical Bulletin Series. The Hydroclimatic Network is an antionwide net of rain gages-mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about \$250,000 per year between 1940 and 1944, and nearly \$375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about \$250,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about \$25,000 per year to meet the increasing needs

of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

1	Jam	ıary	Febr	uary	Мат	ch	Ap	ril	м	ay	Ju	ne	Ju	ly	Aug	just	Septe	mber	Octo	ber	Nove	nber	Dece	mber	Ann	ual
Station	Precip	Departure	Prectip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip	Departure	Ртесір.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure
BERDEEN PHILLIPS FLD MMAPOLIS U S N ACAMY MMAPOLIS WATER WORKS ALTIMORE SLEDDS PT ALTIMORE WE AIRPORT R	2.88 1.65 2.94 2.88	27 -1.72 85	3.56 2.62 3.29 3.36	.86 59 - - .56	3.76 2.30 2.91 3.70	. 53 -1.40 - . 22	2.23 3.86 4.07 4.07 3.69	-1.13 .21 - - .16	2.56 2.90 3.30 4.01 3.92	-1.01 -1.14 -	5.57 8.86 9.61 7.47 8.80	1.99 4.83 - 5.11	4.20 2.30 1.12 2.94 1.84	12 -2.11 -2.55	1.08 1.73 2.60 1.27	-3.50 -2.79 -3.57	1.08 1.39 2.37 2.34 4.13	-2.26 -2.40 	2.25 2.21 1.80 1.91 2.02	29 95 - -1.34	6.05 5.60 5.74 6.20	3.24 2.78 - 2.94	5.38 4.85 6.06 4.49 4.49	2.71 1.51 - 1.36	40.60 40.27 43.38 45.80	.7! - 3.71 2.83
AALTIMORE WB CITY R AALTIMORE PARKVILLE BELTSVILLE BELTSVILLE PLT IND ST1 BELTSVILLE PLT IND ST2	2,85 2,43 1,71 1,82 1,78	59 -1. 58	3.56 2.96 2.85 3.21 3.27	. 37	3.21 3.39 2.64 2.83 2.71	49 85	3.63 4.79 3.06 3.43 3.39	.10 08	3.84 3.38 2.23 2.20 2.24		9,14 6,39 11,32 10,96 10,32	5.37 8.01	3,11 1,99 3,06 2,41 1,78	-1,31 -1,15	.77 .86 1.18 1.35 1.53	-3.74 -3.83	3.48 4.20 2.58 2.51 2.47	05 -1.18	2.29 2.32 1.53 1.47 1.38	72 -1.88	6.03 6.75 5.42 5.30 5.14	3.20 2.37	5.02 5.32 3.97 4.16 4.01	1.10	46.93 44.78 41.55 41.65 40.02	4.2
ELTSVILLE PLT IND ST3 ELTSVILLE PLT IND ST4 ELTSVILLE PLT IND ST5 ELTSVILLE PLT IND ST6 ELTSVILLE SCS R 1	1.86 1.84 1.79 1.94	-	3.25 3.13 3.33 3.26		2.42 2.64 2.65 2.57	. :	3.54 3.39 3.51 3.61	-	2.44 2.27 2.31 2.43	-	10.73 10.32 10.49 10.16		1.72 1.51 1.90 1.77	-	1.76 1.84 2.26 2.12	11111	2.43 2.13 2.68 2.59		1.58 1.51 1.51 1.51	-	5.25 4.99 5.39 5.30		4.06 4.39 4.32 4.44	-	41.04 39.96 42.14 41.70	-
ENSON POLICE BRKS ENTLEY SPRINGS ERLIN ETHESDA R ETHESDA RIST NIS	3.08 3.35 2.58 2.64	-	4.00 4.10 2.60 2.83		3.85 3.21 2.09 2.64	-	4.02 3.38 - 3.85	-	3.76 2.00 - 1.92	11111	6.59 7.98 - 10.11	-	6.54 4.53 1.02 .87		.53 5.75 3.05	,,,,,	4.04 3.12 1.61 1.70 1.62		2.12 2.46 2.80	-	6.53 5.87 4.70 5.78	-	5.66 4.69 6.61 3.80	-	50.74 50.44 - 39.12	=
LACEVATER REFUGE RIGHTON DAM ROOKDALE ROOKSIDE MANOR URNT MILLS RESERVOIR	1.52 2.67 2.35 2.68 2.39	-	2.14 3.10 3.00 E2.46 3.58	-	2.84 2.64 3.84 2.96 3.19	-	2.53 3.77 4.25 3.83		2.48 2.30 2.38 2.95 2.24	-	4.39 12.24 10.67 9.93 10.14	-	4,33 1,95 1,45 2,34 1,81		3.49 .59 1.92 5.09 1.43	,,,,,	4.40 1.48 2.33 3.67 2.61	-	2,22 1,72 1,53 1,63 1,35	-	5.25 5.35 5.95 5.34 5.73	-	4.21 4.54 4.66 4.66 4.59	-	39.80 42.35 44.33 42.89	-
	1.63 1.46 1.51 2.82 2.95	-2.01 -1.84 -2.21 65	1.89 2.18 2.80 3.20 3.25	-1.42 92 .03 .20 1.08	3.00 2.86 2.98 2.69 3.89	83 45 68 83 .88	4.01 3.54 4.43 4.19 2.99	.40 07 .50 .54 .02	3.23 2.29 3.10 3.22 1.96	40 -1.38 57 56 -1.56	4.41 5.67 5.99 6.35 8.79	.63 2.11 1.76 2.39 4.79	2.71 4.80 4.90 4.59 2.81	-1.84 39 .39 .38 85	1.79 4.65 2.70 .53 3.07	-3.08 .82 -2.23 -3.68 80	6.07 2.38 2.49 1.04 2.12	2.66 65 -1.11 -2.35 95	2.92 2.25 1.47 3.30 1.25	26 -1.07 -1.57 .22 -1.72	5.92 6.44 6.32 8.54 4.18	3.07 3.81 3.54 3.58 1.92	3.94 5.07 3.87 5.91 5.02	.78 2,11 .65 2,45 2,41	41.52 43.59 42.56 44.38 42.28	- 2.3 2.1 - 1.5 1.6 5.4
LEAR SPRING DOCKEYSVILLE 2 NV R DLEMAN DLLEGE PARE U OF M DNOWINGO DAN	3.65 3.61 3.00 2.36 4.03	. 58 53 95 . 60	3.55 3.63 2.67 2.78 3.60	.93 35 24 1.01	4.39 4.01 2.76 2.39 3.81	.83 79 -1.14 .35	4.60 3.80 3.25 3.36 3.30	.96 25 14 11	2.44 2.71 3.41 2.60 3.02	-1.38 28 -1.36 -1.78	7.48 6.63 5.69 10.57 6.89	3.31 1.93 6.68 2.11	1,07 1,26 3,55 1,56 7,50	-2.95 86 -2.60 2.55	1,33 1,39 .68 3,16 .15	-2.87 -4.06 -1.18 -4.13	3.39 2.79 - 2.55 1.10	.33 88 -2.01	2.53 2.58 1.63 2.54	35 -1.26 86	4.83 5.90 5.41 7.27	3.11 2.68 3.86	5.33 5.02 4.46 5.60	2,22 1,59 1,43 2,25	44.59 - 42.83 48.81	3.7 1.0 3.8
ONOWINGO POLICE BE RISFIELD UMBERLAND UMBERLAND POLICE BS ALECARLIA RESERVOIRDC	1.86 3.16 3.26 1.34	-1.80 .67	2.68 2.29 3.64 4.23 2.86	-1.11 1.30	2.26 2.71 4.02 3.20 3.91	-1.44 1.02	5.02 3.20 3.67 1.66 3.61	67 .79 -	3.37 5.33 2.59 1.07 2.26	1.76	5.55 5.20 7.43 3.66 8.84	1.71 3.55	5,18 4,15 2,58 2,76 2,92	92 68	.33 5.26 1.08 1.76 1.46	.71 -2.40	1.14 2.12 1.22 1.34 .70	-1.32 -1.53	2.27 3.15 .98 .81 1.30	.19 -1.35	6.62 4.90 3.34 3.97 6.20	1.97 1.16	5.12 3.80 4.05 5.67	- .68 1.58 -	43.97 37.76 41.07	2 3.1
DGENONT	2.19 3.09 1.66 2.33 3.53	-1.72 27	2.57 3.38 E2.45 3.77 3.55	- 70 1.89 .64	2.21 2.98 2.70 4.76 3.61	-1.00 1.52 14	3.61 4.08 3.93 3.80 2.34	- .54 .40 -1.33	3.13 4.43 2.26 2.49 3.49	-1.23 -2.27 86	8.28 8.41 3.32 7.80 4.52	50 3.95 .41	2.89 4.01 4.11 2.31 7.33	44 -1.26 2.95	2.06 2.90 2.04 4.19 1.38	-2.42 .27 -4.10	3.16 1.63 2.39 2.59 1.64	98 40 -1.53	2.20 2.57 1.89 1.74 2.76	-1.30 -2.11 44	4.97 5.60 4.91 6.58	2.83 1.39 3.32	5,13 4,93 4,45 5,08 5,19	1.38 2.08 2.12	47.38 836.80 45.77 45.92	5,1
MITSBURG ALLSTON DET GEORGE G MEADE ARDERICK POLICE BE REDERICK VB AIRPORT	3.32 3.01 3.12 1.60 2.11	.05 56 -1.55	3.44 3.59 3.62 4.02 3.89	.43 .29 1.16	4.82 3.12 3.45 3.12 2.85	.84 61 25	4.84 3.59 2.98 2.72	1.22	1.92 3.62 3.81 1.51 1.52	-2.28 21 -2.26	6.33 9.76 8.54 11.26	2,35 4.33	3.09 6.49 2.26 3.40 2.59	-1.13 2.07 51	.74 .62 1.43 1.56	-4.13 -2.44	4.44 2.43 1.22 1.64	.49 -2.14	1.61 2.21 1.73 1.36 1.38	-1.94 -1.22 -1.58	7.45 6.54 5.74 4.81 5.41	4.12 3.31 2.14	5.93 5.73 5.12 3.84 3.01	2.77 2.29 .78	45.25 37.83 39.94	- 2.E
REDERICK 3 E RIGNDSVILLE ROSTBURG REMANTONN LEN ECHO R	1.78 5.14 4.18 2.30 2.33	.84 74	4.40 3.05 3.23 3.15 2.83	- . 64 . 56	2.43 E3.83 4.74 2.91 2.68	1.09 17	2.48 4.51 4.48 3.62	- . 73 . 44	1.81 3.35 3.90 2.78	- 19	10.85 7.19 7.01 11.81	2,25 8.08	3.26 6.02 4.65 2.32 1.04	.91 -1.15	1.67 2.11 .81 .90 1.54	-3.39 -3.22	.89 2.58 1.79 1.42 1.22	-1.39 -1.89	1.28 1.97 1.29 1.42	-1.92 -1.69	5.07 4.17 4.79	1.63 2.06	3.54 - 4.23 4.21	1.34 1.59	39.46 44.48 41.63	2.5 3.1
LEMM DALE BELL STA AAMTSVILLE R RASONVILLE REENBELT AGERSTONN	2.02 4.41 1.89	-1 . 57 - - -	2.98 2.38 3.38 3.32	.16	3.03 2.78 2.32 2.97 3.16	41 -1.94 -	4.00 2.76 3.50 4.48	.31 - -	2.47 2.80 2.83 2.34	-1.51	9.03 6.78 7.56 10.33 8.80	5.26 3.73	4.00 3.17 5.59 4.16 .95	1.52	2.74 4.10 1.46 2.12	-1.90 72	1.67 1.59 2.53 1.31	-2.20 -1.79	2.23 2.42 2.97 1.07	-1.01 75 -	6.54 6.59 5.77 4.56	3.44	4.84 - 5.15 4.44	2.04 - - - -	45.55 - 46.94	2.3 - - -
ANCOCE FEUIT LAB UNTINGTOWN EEDYSVILLE A PLATA AUREL 3 W	2.87 1.59 2.85 1.72 2.04	.20 -2.06 .05 -2.12 -1.27	3.82 2.83 3.33 3.23	1.63 .22 1.03 -	2.92	2.52 60 01 39 -1.32	3.72 3.16 2.69 4.27 3.14	1.09 42 50 .39 48	2.10 2.43 2.04 1.57 3.18	-1.56 -1.31 -1.42 -2.31 31	6.83 5.41 7.96 6.39 11.26	2.57 1.43 4.08 2.12 7.49	2.63 6.58 2.77 6.60 .84	-1,09 1.18 98 1.98 -3.43	1.72 5.18 .58 5.24 1.36	-1.65 .42 -3.46 .65 -3.35	1.97	-1.62 -1.67 -1.24 60 99	.78 1.58 1.16 2.06 1.97	-1.62 -2.25 -2.11 -1.04 -1.10	3.92 5.28 4.94 4.44 6.09	1.60 1.99 2.56 1.58 3.47	4.01 5.28 4.86 5.75 4.00	1.23 2.13 2.04 2.84 .78	39.42 43.83 38.07 41.80	3.3 9 .0
KONARDTOWN 4 SSW ISBON OCE RAVEN DAM UKE ERRILL	1.23 2.38 4.16 2.57	-1.83 -1.17 .51	1.99 3.53 4.71 3.00	93 .82 - 1.21		-1.52 71 39	3.12 3.05 3.96 2.82	.06 80 09	2,53 2,90 3,07 3,14 2,89	70 98 78	6.10 9.39 6.22 6.53 6.67	2.43 5.30 2.56	5.80 1.84 2.13 2.30 5.10	1.16 -2.43 -1.34	4,16 .81 .78 1.19 1.24	.06 -3.74 -2.51	2.02 2.17 5.16 1.29 1.89	30 -1.67 -1.61	2.29 1.62 2.37 .86 1.43	92 -2.23 -1.58	4.95 6.05 4.83 2.77	2.11 2.78 .35	3.79 5.90 5.25 3.34 4.71	.94 2.84 1.19	40.53 42.47 45.99 33.90	- 1.9 7
IDDLE RIVER ILLINGTON ATIONAL AREORETUM EW GERMANY AKLAND	2.62 2.47 2.42 4.05	-1.22 - -	3.08 3.21 2.68 3.65 2.61	.03	2.75 3.22 3.00 4.51 5.23	59 1.20	3.30 2.88 3.57 4.36 4.30	70 10	3.98 4.25 2.85 1.61 3.64	.83 82	8.64 4.17 11.14 8.43 7.64	.53 2,93	3.20 4.74	-1.56 -1.21	1.17 .49 3.26 1.31 2.48	-4.31 -1.88	1.05 2.17 3.04 2.25 1.81	-1.34 -1.43	3.01 2.56 1.57 1.57 1.66	40 -1.60	5.88 5.70 4.17 4.29 4.84	2,88	4.78 5.31 3.41 5.55 6.98	1.82	43,46 39,40 44,31 46,32	- 4.0
CEAN CITY WINGS FERRY LANDING STORD ICARDY	1.49 1.53 1.89 3.67 3.17	-2.14 -1.28 .29	1.73 2.71 2.19 3.87 3.15	.03 20 1.11 1.17	1.93 2.93 2.02 3.90 4.77	42 -1.12 .40 1.81	1.96 2.98 3.15 2.69 3.81	86 .05 82 .38	.81 2.49 2.50 3.02 ·2.69	-1.92	6.25 5.96 4.59 5.65 6.70	2.43 .80 1.32 3.08	3.70 6.82	- 22 -1.81 2.13 - 86	2.71 3.96 2.54 .64 1.60	-1.64 -3.36	1.00 2.58 4.52 1.51 1.67	-1.34 1.40 -1.53 -1.17	1.80 1.95 3.26 2.64 1.05	.06 48	5.00 5.89 5.59 6.12 3.24	2.96 2.62 3.03	3.28 5.17 5.02 4.90 3.81	2.27 2.22 1.65 1.42	28,91 42.77 40.97 45.43 38,16	3
PIKESVILLE OCCMORE CITY PRETON 1 S PRETTBOY DAK PRINCESS ANNE	3.49 1.90 1.61	-1.13 -1.86	4.59 1.85 2.21 - 2.38	-1.62 - -1.02	2.54	64 -1.06 99	5.06 3.16 3.46 3.54 3.04	24 11 45	3.86 4.46 3.02 1.74 4.59	1.54 -2.45 1.36	10.01 6.01 4.72 6.17 6.57	2.50 2.20 2.84	3.06 1.56 2.89 3.71 3.41	-2.54 55 -1.28	2.85 1.96 3.56 4.38	-1.44	2.36 3.52 4.51 3.52 4.40	.37 40 1.06	2.37 2.66 1.85 2.45 2.51	68 -1.24 68	1	3.43 2.87 1.86	1	1.01 2.51 1,29	41.06 39.68 44.31	:
ARDALLSTOWN POL BR IDGELY IVEEDALE OCK HALL 3 N	2.81 1.99 2.39 2.53 2.53	-1.38 99	4.24 2.23 2.78 2.76 2.48	80	2.95 2.47 2.83 2.48 2.39	-1.13 -1.04	3.55 3.42 3.71 3.68 3.25	.07	2.87 2.38 3.01 3.56 2.17	-1.33	8.72 4.09 9.54 8.56 11.34	.28 5.09	3.14 4.50 2.09 3.73 1.28	- 10 -1.04	.19 1.31 3.51 1.05	-3.39 -3.77	3.24 3.71 3.69 .93 1.52	.23 -2.68	2.03 3.72 1.57 2.21 1.39	.74 71	4.89	3.80	4.19 5.70 4.55 5.52 3.64	2.61	43.33 42,12 45.14 43,14 37,58	4 5 -
OYAL OAK ALISBURY ALISBURY POLICE BR ALISBURY CAA AIRPORT ALISBURY U S G S	2.24 1.47 1.23 1.68 1.53	-2.28 - - -	2.76 2.11 2.35 2.11 2.32	-1.03	2.70 2.56 2.92 2.71 2.66	-1.32 - - -	3.78 2.50 2.47 2.43 2.57	94 -	2.44 3.84 3.37 3.55 3.55	.15	4.77 6.14 5.34 6.16 5.79	2.40	4.24 2.83 1.97 4.13 2.76		2.57 5.53 2.94 3.68 4.55	-	4.78 4.00 3.01 4.19 3.04	.12	3.05 2.42 2.29 2.37 2.01	-	5.71 5.54 5.67 4.35 5.75	2.66	5.27 3.79 4.20 4.41 4.38	,56 - - -	45.31 42.73 37.76 41.77 40.91	-
AVAGE RIVER DAM HALLMAR HARPTOWN R ILIVER BILL OBS	3.04 4.04 2.07 5.11	1,33	3.26 3.93 2.36 - 4.05	58	3.62 4.01 - 4.44	- - - .17	3.97 5.30 2.82 - 4.85	- - . 49	3.15 2.91 3.06 - 3.28	-1,20	7.79 9.36 4.29 7.68	2,75	3.42 1.63 3.62 3.35	- 1	2.02 1.67 - 3.23	-	1.82 1.46 7.29	-	1.21	- - -1.50	3.59 3.58 - 4.75	1.59	5.12 - 4.92 6.14	2.60		=
SNOW HILL 1 ME SOLOMONS PARCHA PARK MISS AV PONOLOWAY POWSON	1.88 1.47 2.55	-1.97 -1.63 33	E1.97 1.99 2.58 3.80 3.93	-1.47 86 .05 1.78	3.48 2.03 2.70 5.99 3.36	59 -1.26 64 2.96 27	2.97 4.36 3.84 3.84 4.76	71 1.19 .84 .32	4.19 2.73 2.83 1.62 3.51	-2.00	6.69 5.36 10.96 5.70 7.01	1.58	1.37	.50 .43 -3.35 -1.36 -1.34	3.01	-1.50 1.91 -1.57 -2.43 -2.89	6.36 3.84 2.81 1.50 2.67	.87 -1.01 -1.54	2.86 1.93 1.47 .77 2.44	-2.01	3.13	2.76 2.14 1.21 .74 3.04	4.98 3.66 4.90 5.30	1.47 .91 1.87	43.79	4.3

See reference notes following Station Inde

Table 2-Continued

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

	Jan	uary	Febr	uary	Mai	ċh	Āр	ril	Ma	ъy	Ju	ne	Ju	ly	Aug	rust	Septe	mber	Octo	ber	Nove	mber	Decer	nber	Ann	ual
Station	Precip	Departure	Precip	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Prectip.	Departure	Precip.	Departure	Precip.	Departure	Prectip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure
UNIONVILLE US SOLDIERS HOME DC VIENNA VIERS MILL WALDORF POLICE BRKS	2.47 1.71 1.75 2.65 1.70	-	3.51 3.09 2.63 2.56 3.29	-	2.76 2.78 3.62 3.61 2.97		3.00 3.79 2.86 4.23 3.39	-	1.87 2.23 2.16 2.58 2.58		7.79 8.81 4.77 10.20 6.01	11111	3.90 3.42 4.14 1.61 2.85	-	4.25 3.78 2.95 1.12 4.81	-	1.69 3.84 3.53 1.43 2.61	-	1.55 1.60 2.38 1.69 1.73		5.11 5.18 3.78 5.70 5.83	-	4.03 4.52 5.06 4.68 5.38	-	41.93 44.75 39.64 42.06 43.15	=
WASHINGTON WB CITY R WATERLOO POLICE BRK WEST LANHAM HILLS WESTERN PORT WESTMINSTER	2.42 2.54 2.46 3.48	_	3.88 2.83 3.07	70 - .77 .55	4.24 2.68 3.69	58 - .68 93	3.93 5.11 3.15 4.02 3.40	.66 - .90 05	3.23 3.78 - 3.23 2.88	47 - 44 86	9.28 9.87 8.95 5.28 7.01	1,29	3.22 3.49 2.82	- 89		-2,46	3.79 2.11 .28	-1.33 -2.54 -1.78	1.86 2.02 .41	-2.18	6,14 3.55	1,46	3.59	1.45 - .94 1.38	42.47	3.50
WHALEYSVILLE WHITE HALL WILLIAMSPORT WOODSTOCK COLLEGE	1.38 3.35 2.49 3.21	- 16 08		- 1.93 .08		- . 26 58		- . 88 . 28	1.88 2.27 2.65 2.93		5.70 7.38 8.24 8.33			-1.33			3.38 1.86 2.73	94 82	1,85		5.38	1.65 2.54	4.71 4.80 4.71	1.65 1.68	47.01 40.18 41.45	.8: .2:
STATE AVERAGE DELAWARE	2.39	94	3.04	.12	3,14	40	3.55	.11	2.84	84	7.59	3.56	3.33	97	2.31	-2.10	2.51	88	1.96	-1.04	5.38	2.68	4.73	1.56	42.77	.86
BRIDGEVILLE CLAYTON DELAWARE CITY REEDY PT DOVER GEORGETOWN	1.30 - 2.50 2.26 1.45	-2.31 60 -1.27	-	-1.40 -1.36 .05	-	-1.40 55 90	3.37	32 01 -1.15	2,55 3,30 4,28 4,76	-1.17 -77 .95	2.85	2.48 44 .02	4.51 5.44	1.71	2.80 4.10 1.64 3.00 2.20	-1.88 -2.79 -1.87	3.92 - .88 2.89 3.61	.55 -2.59 79	3.09 1.91 3.17 3.89 2.84	03 .39 .99	6.08	3.49	5.37	1.86 2.08 2.89	44.88 42.98 48.14	2.8
LEWES MILFORD MILLSBORO NEWARK COLLEGE FARM BMYRMA	1.88 - 1.61 3.62 2.26	-2,26 .47		23 .89	3.55	- 55 .71	2.40 2.01 2.47	-1.64 98	3.41 2.77 4.05	- 83 26	5.11 4.87 3.76 4.33	1,18 08 .60	3.84	3.82	3.72 6.60 2.61	-	2.72	-1.45 96 -1.87	3.16 1.86 2.65 2.68	-1.44 89 41		~	4.55 6.62 4.65 5.82	3.08 1.02 2.24	41.11	-
WILMGTON NCASTLE WB AP WILMINGTON CITY HALL WILMINGTON PORTER RVR	3.64 3.73 3.75	. 21 . 21		43	3.76 4.29 4.13	- . 70 . 35		- 84 -1.30	3.56 3.59 4.00	- 15 .22	4.27 4.30 4.51	- .30 .46	3.84 2.51 3.37	-2.20 -1.42			1.16 1.91 1.60	-1.55 -2.02	3.17 2.96 2.76		7.32 7.57 7.47		5.79 5.74 6.00	2.29 2.70	45.26 44.19 44.22	01
STATE AVERAGE	2.43	-1.12	2.99	22	3.46	35	2.63	85	3.63	02	4.45	.64	4.94	. 24	3.13	-1.65	2.29	-1.15	2.83	28	6.47	3.52	5.38	1.96	44.63	.72
SECTION AVERAGE	2.39	97	3.04	.09	3.17	40	3.47	.03	2.91	77	7.29	3,29	3.50	85	2.34	-2.11	2.49	90	2.05	97	5,48	2.75	4.79	1.59	42.92	. 78

Station	hest	Date	Lowest	Date	Last	spring minimum	a of	Fi	rst fall minimum	of		No. of days petween dates	
StatiOil	High	Date	∪west	Pate	24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
MARYLAND BERDEEN PHILLIPS FLD NNAPOLIS USN ACADEMY NNAPOLIS WATER WORKS AGILTIMORE SLEDDS PT ALLTIMORE WB AP	93 93 96 96 96	7-27+ 7-22 7-27 7-22+ 7-22+	8 12 - 5 5	12-17 2- 8+ - 12-17 12-17	3-27 (23°) 2-11 (22°) 2-16 (24°) 3-27 (24°)	3-27 (23°) 3-27 (26°) 3-27 (26°) 3-27 (24°)	3-27 (23°) 3-27 (26°) 4-21 (29°) 4-18 (32°) 4-18 (32°)	11-3 (25°) 11-3 (30°) 9-29 (30°) 11-4 (23°) 11-3 (25°)	11-3 (25°) 11-19 (26°) 11-3 (24°) 11-4 (23°) 11-3 (25°)	11-4 (22°) 12-14 (23°) 11-3 (24°) 11-4 (23°) 11-4 (22°)	222 306 261 222	221 237 - 222 221	221 221 161 200 199
MALTIMORE WE CITY MALTIMORE PARKVILLE MELTSVILLE MELTSVILLE PLT IND STA I MELTSVILLE PLT IND STA 2	96 95 95 95 95	8-16 7-22+ 6- 3+ 7-23 7-23	12 6 - 1 - 2 - 4	2- 3+ 12-17 12-17 12-17 12-17	2-11 (23°) 3-22 (24°) 3-27 (17°) 4-18 (24°) 4-18 (24°)	3-22 (27°) 3-27 (27°) 4-21 (28°) 4-21 (28°) 4-21 (27°)	3-26 (31°) 3-27 (27°) 4-24 (30°) 4-24 (30°) 4-24 (29°)	11-3 (31°) 11-2 (31°) 10-26 (31°) 10-26 (30°) 9-29 (31°)	11-18 (28°) 11-4 (20°) 11-4 (18°) 11-4 (17°) 11-4 (17°)	12-14 (24°) 11-4 (20°) 11-4 (18°) 11-4 (17°) 11-4 (17°)	306 227 222 200 200	241 222 197 197 197	222 220 185 185 158
BELTSVILLE PLT IND STA 3 BELTSVILLE PLT IND STA 4 BELTSVILLE PLT IND STA 5 BELTSVILLE PLT IND STA 6 BENSON POLICE BRES	96 95 96 96 97	7-23 7-23+ 7-23 7-23+ 7-27	- 1 - 3 - 3 2	12-17 12-17 12-17 12-17 12-17	3-27 (19°) 3-27 (22°) 4-18 (24°) 3-27 (17°) 3-27 (21°)	4-18 (26°) 3-27 (22°) 4-21 (27°) 4-18 (27°) 3-27 (21°)	4-24 (32°) 4-18 (30°) 4-24 (29°) 4-18 (27°) 4-21 (32°)	10-26 (32°) 11-3 (31°) 8-29 (31°) 11-4 (19°) 11-4 (19°)	11-4 (17°) 11-4 (19°) 11-4 (18°) 11-4 (19°) 11-4 (19°)	11- 4 (17°) 11- 4 (19°) 11- 4 (18°) 11- 4 (19°) 11- 4 (19°)	222 222 200 222 222	200 222 197 200 222	185 199 127 200 197
BENTLEY SPRINGS LERLIN LETHESDA NAT INST HLTH BLACKWATER REFUGE BRIGHTON DAM	91 - 94 94 95	7-27 - 6- 2+ 7-23+ 7-22+	- 4 - 0 10 - 5	12-17 - 12-17 2 9 12-17	3-27 (18°) - 3-27 (22°) 3-27 (24°) 4-18 (23°)	4-18 (27°) 3-27 (22°) 3-27 (24°) 4-21 (28°)	5-14 (32°) 	9-29 (32°) 11-3 (29°) 10-26 (30°) 11-4 (16°) 9-29 (32°)	11-3 (27°) 11-4 (25°) 11-3 (28°) 11-4 (16°) 11-4 (17°)	11-4 (17°) 11-19 (23°) 11-4 (19°) 11-4 (16°) 11-4 (17°)	222 222 222 200	199 221 222 197	138 - 188 200 158
ROOKSIDE MANOR AMBRIDGE 5 W HARLOTTE HALL HELTENHAM HESTERTOWN	97 96 95 95 95	7-22 8-16 7-23 6- 3 7-27+	10 6 3 10	12-17 2- 9+ 12-17 12-17 2- 9	3-27 (23°) 3-27 (23°) 2-11 (22°) 3-27 (22°) 2-16 (22°)	3-27 (23°) 3-27 (23°) 3-27 (25°) 4-18 (28°) 3-27 (26°)	3-27 (23°) 4-18 (31°) 4-21 (32°) 3-27 (26°)	11- 4 (21°) 11- 4 (26°) 11- 4 (24°) 11- 4 (22°) 11- 3 (28°)	11-4 (21°) 11-4 (26°) 11-4 (24°) 11-4 (22°) 11-3 (28°)	11-4 (21°) 11-21 (24°) 11-4 (24°) 11-4 (22°) 11-21 (20°)	222 239 266 222 278	222 222 222 200 221	222 200 197 221
HEWSVILLE BRIDGEPORT LEAR SPRING OLEMAN OLLEGE PARK U OF MD. ONOWINGO DAM	95 97 96 96 93	6- 3+ 6- 3+ 7-27+ 7-22 8-30	- 8 - 1 10 3 4	12-17 12-17 2- 9 12-17 12-17	3-27 (21°) 3-27 (22°) 3-22 (24°) 3-27 (21°) 3-27 (20°)	4-18 (28°) 3-27 (22°) 3-27 (26°) 4-21 (28°) 3-27 (20°)	4-24 (32°) 4-18 (31°) 3-27 (26°) 4-24 (32°) 4-21 (32°)	10-13 (32°) 11- 3 (30°) 11- 4 (25°) 11- 3 (30°) 11- 3 (26°)	11- 4 (23°) 11- 4 (26°) 11- 4 (25°) 11- 4 (19°) 11- 3 (26°)	11- 4 (23°) 11- 5 (22°) 11-21 (24°) 11- 4 (19°) 11- 4 (23°)	227 223 244 222 222	200 222 222 197 221	172 199 222 193 196
ONOWINGO POLICE BRKS RISFIELD UMBERLAND UMBERLAND POLICE BRKS USTRICT HEIGHTS	96 93 98 102 95	7-31 7-23+ 8-31 6- 2 6- 2+	2 15 - 5 - 7	2- 9 2- 8+ 12-17 12-17	3-27 (17°) 2-11 (23°) 3-27 (21°) 4-18 (24°) 2-11 (23°)	4-18 (27°) 2-11 (23°) 4-18 (26°) 4-21 (27°) 3-27 (25°)	4-24 (30°) 3-27 (31°) 4-24 (32°) 4-25 (32°)	9-29 (31°) 11- 4 (31°) 9-29 (32°) 9-29 (28°)	11-4 (21°) 11-21 (24°) 11-3 (25°) 9-29 (28°)	11- 4 (21°) 11-21 (24°) 11- 4 (21°) 11- 3 (20°)	222 283 222 199	200 283 199 161	158 222 158 157
OUNDALK EASTON POLICE BRKS ILKTON EMMITSBURG FALLSTON	95 97 94 - 92	7-27+ 7-23 7-27 - 8-16	12 7 4 2 1	2- 8+ 12-17 12-17 2- 3 12-17	2-16 (24°) 3-11 (24°) 3-27 (20°) 3-27 (24°) 3-27 (23°)	3-27 (28°) 3-27 (25°) 3-27 (20°) 3-27 (24°) 4-18 (26°)	3-27 (28°) 3-27 (25°) 3-27 (20°) 4-18 (31°) 4-18 (26°)	11- 4 (25°) 11- 4 (26°) 11- 3 (32°) 11- 3 (26°) 11- 3 (30°)	11- 4 (25°) 11- 4 (26°) 11- 4 (22°) 11- 3 (26°) 11- 4 (19°)	11-21 (24°) 11-22 (21°) 11- 4 (22°) 11- 4 (22°) 11- 4 (19°)	278 256 222 222 222	222 222 222 221 200	222 222 221 199 199
ORT GEORGE G. MEADE REDERICK POLICE BRKS REDERICK WB AP RIENDSY LLLE ROSTBURG	95 96 96 92 91	6- 2+ 7-27+ 7-23+ 6- 3 6- 3	- 3 0 - 5	12-17 12-20 2- 3	3-27 (15°) 3-27 (21°) 3-27 (19°) 4-20 (24°) 3-27 (21°)	4-24 (27°) 3-31 (27°) 4-18 (28°) 4-24 (28°) 4-18 (23°)	5-14 (31°) 4-20 (32°) 4-24 (32°) 5-14 (31°) 4-24 (30°)	10- 9 (32°) 10- 9 (32°) 10-26 (32°) 9-28 (32°) 9-29 (30°)	11- 4 (18°) 11- 4 (19°) 11- 4 (21°) 9-29 (25°) 11- 3 (18°)	11-4 (18°) 11-4 (19°) 11-4 (21°) 10-26 (24°) 11-3 (18°)	222 222 222 189 221	194 218 200 158 199	148 172 185 137 158
ERMANTOWN ELENN DALE BELL STA ERASONYILLE ERENBELT LAGERSTOWN	95 95 94 95 95	8-10 7-22 6-24+ 6- 3+ 7-31	1 - 1 - 1 2	12-17 12-17 - 12-17 2- 3	3-27 (24°) 3-27 (18°) 3-27 (24°) 3-27 (17°) 3-26 (21°)	3-27 (24°) 4-21 (28°) 3-27 (24°) 4-21 (28°) 3-27 (23°)	4-18 (29°) 4-24 (31°) 3-27 (24°) 4-24 (30°) 4-18 (31°)	11- 3 (32°) 9-29 (31°) 11- 4 (24°) 10-26 (32°) 9-30 (30°)	11- 4 (22°) 11- 4 (18°) 11- 4 (24°) 11- 4 (18°) 11- 3 (27°)	11- 4 (22°) 11- 4 (18°) 11- 4 (24°) 11- 4 (18°) 11- 4 (23°)	222 222 222 222 222 223	222 197 222 197 221	199 158 222 185 165
ANCOCK FRUIT LAB UNTINGTOWN EERTYSVILLE A PLATA AUREL 3 W	97 96 100 97	6- 4+ 7-23 8-10 6- 2+	-18 6 -10 5 8	12-17 12-17 12-17 12-17 2-8+	4-18 (23°) 3-10 (24°) 4-18 (23°) 3-26 (22°)	4-24 (27°) 3-27 (28°) 4-18 (23°) 4-18 (26°)	5-14 (31°) 4-18 (32°) 4-24 (31°) 4-20 (31°)	9-29 (29°) 11-4 (25°) 9-29 (32°) 11-2 (32°)	10-10 (27°) 11- 4 (25°) 11- 3 (28°) 11- 4 (23°)	11-4 (20°) 11-19 (24°) 11-4 (22°) 11-4 (23°)	200 254 200 223	169 222 199 200	138 200 158 196
ECNARDTOWN 4 SSW ISBON HDDLE RIVER HLLINGFON EW GERMANY	97 95 93 97 88	7-23 7-22+ 7-22+ 9- 1 6- 4	9 3 11 6 -15	12-17 12-17 12-17 12-17 12-17	3-27 (23°) 3-27 (20°) 2-16 (23°) 3-27 (20°) 4-18 (19°)	3-27 (23°) 3-27 (20°) 3-22 (28°) 3-27 (20°) 4-18 (19°)	4-21 (32°) 4-24 (32°) 3-27 (29°) 4-18 (30°) 5-14 (29°)	11-4 (25°) 9-29 (32°) 11-4 (27°) 11-4 (23°) '9-24 (31°)	11-4 (25°) 11-3 (25°) 11-4 (27°) 11-4 (23°) 9-30 (28°)	11-21 (20°) 11- 4 (17°) 11-20 (23°) 11- 4 (23°) 11- 3 (22°)	239 222 277 222 199	222 221 227 222 165	197 158 222 200 133
AKLAND CEAN CITY WINGS PERHY LANDING SYFORD ICARDY	89 92 99 90 96	6-3 6-25 7-23 7-23 7-22+	- 8 14 7 12 - 2	12-17 2- 9 2- 9+ 2- 9 2- 3	4-24 (24°) 2-11 (21°) 3-27 (24°) 2-11 (21°) 3-27 (20°)	4-24 (24°) 3-27 (28°) 3-27 (24°) 3-22 (28°) 4-18 (27°)	5-14 (28°) 3-27 (26°) 4-18 (31°) 3-22 (28°) 4-21 (32°)	9-24 (32°) 11-4 (32°) 11-4 (25°) 11-4 (27°) 9-29 (32°)	9-29 (23°) 11-19 (26°) 11-4 (25°) 11-4 (27°) 10-10 (28°)	9-29 (23°) 11-21 (24°) 11-19 (24°) 11-21 (24°) 11-4 (19°)	158 283 237 283 222	158 237 222 227 175	133 222 200 227 161
PIKESVILLE POCOMOKE CITY PRESTON 1 S PRETTYBOY DAM PRINCESS ANNE	99 98 95 93 95	8-16 7-23 6-24+ 7-22 6-24+	6 12 8 - 4	2- 8+ 12-17 2- 9 12-17	3-26 (24°) 3-27 (23°) 3-27 (22°) - 3-27 (18°)	3-26 (24°) 3-27 (23°) 3-27 (22°) 4-18 (25°)	4-18 (30°) 4-18 (30°) 4-18 (31°) 4-18 (30°) 4-28 (30°)	11- 4 (22°) 11- 4 (25°) 11- 4 (25°) 11- 2 (32°) 9-30 (31°)	11- 4 (22°) 11- 4 (25°) 11- 4 (25°) 11- 4 (20°) 11- 4 (22°)	11-4 (22°) 11-21 (20°) 11-21 (20°) 11-4 (20°) 11-4 (22°)	223 239 239 239 - 222	223 222 222 200	200 200 200 198 155
RANDALLSTOWN POLICE BRKS RIDGELY RIVERDALE ROCK HALL 3 N ROCKVILLE	94 95 96 93 93	8-16 6-24+ 6- 2+ 7-23+ 7-22+	3 11 - 11 7	12-17 2- 8+ - 2- 4+ 12-16+	3-26 (24°) 2-11 (18°) 3-27 (20°) 3-27 (23°) 3-11 (24°)	3-27 (26°) 3-27 (26°) 4-18 (26°) 3-27 (23°) 3-27 (25°)	4-18 (29°) 3-27 (26°) 4-24 (31°) 3-27 (23°) 4-18 (32°)	11-2 (31°) 11-4 (25°) 10-13 (32°) 11-4 (24°) 11-3 (32°)	11-4 (17°) 11-4 (25°) 11-4 (19°) 11-4 (24°) 11-4 (24°)	11-4 (17°) 11-21 (20°) 11-4 (19°) 11-4 (24°) 11-4 (24°)	223 283 222 222 238	222 222 200 222 222	198 222 172 222 199
ROYAL OAK HALISBURY HALISBURY POLICE BRKS HALISBURY CAA AP HALISBURY U.S.G.S	95 96 97 95 97	7-23 7-23 7-23+ 6-24+ 7-24	10 10 - 8 11	2-9 12-17 - 12-17 12-17	2-11 (22°) 3-27 (22°) 3-27 (19°) 3-27 (20°) 3-27 (22°)	3-27 (26°) 3-27 (22°) 3-27 (19°) 3-27 (20°) 3-27 (22°)	3-27 (26°) 3-27 (22°) 4-21 (31°) 4-18 (32°) 4-18 (32°)	11-4 (26°) 11-4 (25°) 11-4 (22°) 11-3 (26°) 11-4 (25°)	11- 4 (26°) 11- 4 (25°) 11- 4 (22°) 11- 3 (26°) 11- 4 (25°)	11-21 (21°) 11-21 (20°) 11- 4 (22°) 11- 4 (23°) 11-21 (20°)	283 239 222 222 239	222 222 222 221 221 222	222 222 197 199 200
SAVAGE RIVER DAM SINES DEEP CREEK SNOW HILL 1 NE SOLOMONS FAKOMA PARK MISS AVE.	90 95 93 95	7-12 7-23+ 6-24+ 6-24	- 7 . 9 13 5	- 12-17 2- 9 2- 8 12-17	4-18 (22°) 3-27 (21°) 2-10 (22°) 3-27 (24°)	4-21 (25°) 3-27 (21°) 3-10 (28°) 3-27 (24°)	5-14 (31°) 4-18 (31°) 3-27 (31°) 4-18 (30°)	10-1 (30°) 10-9 (30°) 11-4 (22°) 11-18 (32°) 11-3 (31°)	10-10 (28°) 10-10 (27°) 11-4 (22°) 11-19 (27°) 11-4 (22°)	11- 5 (16°) 11- 3 (16°) 11- 4 (22°) 12-16 (16°) 11- 4 (22°)	199 222 309 222	172 222 254 222	148 200 236 199
CONOLOWAY YOWSON INIONYI LLE YI ENNA YI ERS MILL	98 95 95 96 94	9- 1 7-28 7-22+ 7-23 6- 2+	11	12-17 12-17 12-17 12-17	3-27 (18°) 3-27 (19°) 4-18 (20°) 3-27 (24°) 3-27 (20°)	4-21 (28°) 3-27 (19°) 4-21 (27°) 3-27 (24°) 4-18 (25°)	4-24 (29°) 3-27 (19°) 5-14 (32°) 3-27 (24°) 4-21 (29°)	9-29 (30°) 11-3 (31°) 9-29 (32°) 11-4 (28°) 9-29 (32°)	10-13 (28°) 11-4 (18°) 11-4 (19°) 11-4 (28°) 11-4 (18°)	11-6 (22°) 11-4 (18°) 11-4 (19°) 11-21 (20°) 11-4 (18°)	224 222 200 239 222	175 222 197 222 200	158 221 138 222 161
ALDORF POLICE BRKS ATERLOO POLICE BRKS JEST LANHAM HILLS JESTERN PORT JESTMINSTER	97 96 97 100 94	6- 4+ 7-27 7-22 6- 3 7-27+	3 - 7	12-17 	3-27 (24°) 3-27 (22°) 3-27 (23°) 3-27 (20°) 3-26 (22°)	4-18 (26°) 3-27 (22°) 3-27 (23°) 4-18 (26°) 4-18 (28°)	4-21 (30°) 4-21 (31°) 4-18 (27°) 4-21 (29°) 4-18 (28°)	11-3 (32°) 11-2 (30°) 11-3 (29°) 9-29 (32°) 11-3 (29°)	11-4 (22°) 11-4 (20°) 11-4 (21°) 11-3 (28°) 11-4 (20°)	11- 4 (22°) 11- 4 (20°) 11- 4 (21°) 11- 4 (21°) 11- 4 (20°)	222 222 222 222 222 223	200 222 222 199 200	196 195 199 161 199

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE 1951

Table 3-Continued.

Station	Highest	Date	Lowest	Date	I.a.	st spring minimu	n of	F	irst fall minimum	of		No. of days petween dates	
Station	Hig	Date	Lowesi	Date	24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
WHALEYSVILLE WOODSTOCK COLLEGE DISTRICT OF COLUMBIA	_ 96	- 8-16+	-0	- 12-17	3-27 (20°) 3-27 (18°)	3-27 (20°) 4-18 (26°)	4-24 (32°) 4-24 (31°)	9-29 (32°)	11- 4 (17°)	11- 4 (17°)	222	200	158
BRIGHTWOOD DALECARLIA RESV WAT IONAL ARBORSTUM U.S. SOLDIERS HOME WASHINGTON WB CITY DELAWARE	95 95 97 95 96	6- 3+ 7-22+ 6- 2+ 6- 3+ 6- 2+	10 4 7 8 10	2- 8 12-17 12-17 2- 8+ 12-17	2-11 (24°) 3-27 (24°) 3-27 (24°) 3-22 (24°) 2-10 (21°)	3-22 (27°) 3-27 (24°) 3-27 (24°) 3-22 (24°) 3-22 (27°)	3-27 (29°) 4-18 (31°) 4-18 (32°) 3-27 (27°) 3-27 (30°)	11- 4 (26°) 11- 4 (23°) 11- 5 (22°) 11- 3 (32°) 11- 3 (31°)	11- 4 (26°) 11- 4 (23°) 11- 5 (22°) 11- 4 (24°) 11-18 (28°)	11-21 (22°) 11-4 (23°) 11-5 (22°) 11-4 (24°) 11-21 (23°)	283 222 223 227 284	227 222 223 227 241	222 200 201 221 221
BRIDGEVILLE CLAYTON DELAWARE CITY REEDY PT. DOVER GEORGETOWN	94 98 92 94 96	7-23 8-13 7-27 7-27 7-23	7 - 5 7 5	12-17 	3-27 (20°) 	3-27 (20°) - 3-27 (27°) 3-27 (25°) 4-18 (27°)	4-24 (32°) 4-18 (31°) 3-27 (27°) 3-27 (25°) 4-24 (30°)	11- 4 (23°) 11- 4 (19°) 11- 3 (31°) 11- 4 (25°) 10-26 (32°)	11- 4 (23°) 11- 4 (19°) 11- 4 (24°) 11- 4 (25°) 11- 4 (22°)	11-4 (23°) 11-4 (19°) 11-4 (24°) 11-21 (22°) 11-4 (22°)	222 - 238 278 222	222 222 222 200	194 200 221 222 185
LEWES MILFORD MILLSBORD NEWARK COLLEGE FARM WILMINGTON NEASTLE WB AF WILMINGTON PORTER RESV.	94 - 94 93 94	8- 1 	10 7 5 1 6	1- 9+ 12-17 12-17 12-17 12-17	3-27 (21°) 3-27 (17°) 3-27 (19°) 3-27 (22°) 3-27 (24°)	3-27 (21°) 3-27 (17°) 3-27 (19°) 3-27 (22°) 3-27 (24°)	4-24 (32°) 4-24 (31°) 4-24 (32°) 3-27 (22°) 3-27 (24°)	11- 3 (31°) 11- 4 (22°) - 11- 4 (19°) 11- 3 (27°) 11- 3 (26°)	11- 4 (23°) 11- 4 (22°) 11- 4 (19°) 11- 3 (27°) 11- 3 (26°)	11- 4 (23°) 11- 4 (22°) - 11- 4 (19°) 11- 4 (24°)	222 - 222 222 222	222 - 222 221 221	193 - 194 -221

TOTAL EVAPORATION AND WIND MOVEMENT

MARYLAND AND DELAWARE 1951

Station	·	, Jan.	Feb.	Mar.	Арт.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Annual
BELTSVILLE	EVAP	-	_	-	_	4.46	B5.94	B7.77	6.48	4.97	3,54	_	-	-
	WIND	-	-	=	-	1.70 988	52 864	.63 1059	.29	.23 1227	.25 1210	-	-	-
SALISBURY U.S.G.S.	EVAP	-	-	4.07	5.36	6.86	6.43	B7.49	6.55	4.90	3.03	-	B .93	
	DEP WIND	-	=	2745	2229	1931	1440	1351	1194	1056	1872	-		-
SAVAGE RIVER DAM	EVAP	-	-	-		_		BV10.94	B5.78	-	* 1	_	-	-
	DEP	_	-	_	-	_		v 2146	685	-	V1871		-	

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Station	Index No	County .	Drainage	Letitude	Longitude	Elevation	Temp.	Precip.	Evap.		Month	to tables		Station	Index No	County	Drainage	Latitude	Longitude	Elevation	Temp.	Precip.	\vdash		closed	to tables
MARYLAND													$\llbracket \llbracket$,									T			
ABERDEEN PHILLIPS FIELD ANNAPOLIS US NAVAL ACADEMY ANNAPOLIS WATER WORKS BALTIMORE SLEDDS POINT BALTIMORE WB AIRPORT	0185 0193 0460	HARFORD ANNE ARUNDEL ANNE ARUNDEL BALTIMORE BALTIMORE	1 1 1	39 28 38 59 38 59 39 12 39 11	76 10 76 29 76 34 76 34 76 40	62 40 10 135 146	33 86 1 3 17	33 86 1 3		APR.		1 2 3 1 2 3 1 2 3 1 2 3 1 2 3		MIDDLE RIVER MILLINGTON NEW GERMANY DAKLAND OCEAN CITY	5985 6408 6620	BALTIMORE KENT GARRETT GARRETT WORCESTER	7	39 18 39 15 39 38 39 24 38 29	76 24 75 50 79 07 79 24 75 05	15 27 2490 2420 17	54 3 54 3	2 54 3 54 3				1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
BALTIMORE WB CITY BALTIMORE PARKVILLE BELTSVILLE BELTSVILLE PLT IND STA 1 BELTSVILLE PLT IND STA 2	0475 0700 0701	BALTIMORE BALTIMORE PRINCE GEORGE PRINCE GEORGE PRINCE GEORGE	1 7	39 17 39 23 39 02 39 02 39 02	76 37 76 32 76 53 76 56 76 56	305 120 160 136	81 4 14 3 3	81 4 14 3 3	11			1 2 3 1 2 3 1 2 3 4 1 2 3 1 2 3		OWINGS FERRY LANDING OXFORD PATUXENT RIVER PERRY POINT PICARDY	6785 6915 6980	CALVERT TALBOT ST MARYS CECIL ALLEGANY	2	38 41 38 42 38 17 39 33 39 33	76 41 76 10 76 24 76 04 78 30	120 10 74 40 1030	35 15 25	35 15 8 11 25	•			1 2 3 1 2 3 2 2 1 2 3
BELTSVILLE PLT IND STA 3 BELTSVILLE PLT IND STA 4 BELTSVILLE PLT IND STA 5 BELTSVILLE PLT IND STA 6 BELTSVILLE SCS R 1	0704 0705 0706	PRINCE GEORGE PRINCE GEORGE PRINCE GEORGE PRINCE GEORGE MONTGOMERY	7 7	39 02 39 02 39 01 39 01 39 03	76 56 76 56 76 57 76 57 76 57	200 265 100 215 309	3 3 3 3	3 3 3 2				1 2 3 1 2 3 1 2 3 1 2 3 2	1	PIKESVILLE POCOMOKE CITY †PRESTON 1 S PRETTYBOY DAM PRINCESS ANNE	7310 7315	BALTIMORE WORCESTER CAROLINE BALTIMORE SOMERSET	1 1 1	39 23 38 04 38 42 39 38 38 12	76 43 75 34 75 55 76 42 75 40	500 16 50 780 17	4 3 3 21 3	3 3 21 3	ŀ			1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
BENSON POLICE BARRACKS BENTLEY SPRINGS BERLIN BETHESDA BETHESDA NAT INST H	0737 0752 0795	HARFORD BALTIMORE WORCESTER MONTGOMERY MONTGOMERY	1	39 30 39 41 38 20 38 58 39 00	76 23 76 41 75 13 77 07 77 06	365 730 30 320 310	4 3 1	4 3 1 7 1		AUG JAN		1 2 3 1 2 3 1 2 3 2 2 1 2 3	1	RANDALLSTOWN POLICE BRKS RIDGELY RIVERDALE †ROCK HALL 3 N ROCKVILLE	7615	BALTIMORE CAROLINE PRINCE GEORGE KENT MONTGOMERY	5 7	39 23 38 57 38 58 39 11 39 05	76 50 75 53 76 56 76 14 77 09	625 67 50 440	61 6 38 4	61 6 38 4				1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
BLACKWATER REFUGE BRIGHTON DAM BROOKDALE BROOKS IDE MANOR BURNY MILLS RESERVOIR	1125 1170 1180	DORCHESTER MONTGOMERY MONTGOMERY PRINCE GEORGES MONTGOMERY	7	38 26 39 13 38 57 38 58 39 02	76 08 77 02 77 06 76 58 77 00	5 350 260 50 220	11 3 6	11 6 6 6	-			1 2 3 1 2 3 2 1 2 3 2		ROYAL OAK SALISBURY SALISBURY POLICE BRKS SALISBURY CAA AP SALISBURY USGS	8000 8003 8005	TALBOT WICOMICO WICOMICO WICOMICO WICOMICO	1	38 43 38 22 38 25 38 20 38 22	76 11 75 36 75 34 75 30 75 35	10 10 42 46 30	4 45 4 4 2	4 45 4 4 2	2			1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 4
CAMBRIDGE 5 W CHARLOTTE HALL CHELTENHAM CHESTERTOWN CHEWSVILLE' BRIDGEPORT	1685 1710 1750	DORCHESTER ST MARYS PRINCE GEORGES KENT WASHINGTON	6	38 34 38 28 38 44 39 13 39 38	75 09 76 44 76 51 76 04 77 41	15 167 230 35 560	57 30 51 46 54	57 30 51 46 54			į	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3		SAVAGE RIVER DAM SHALLMAR SHARPTOWN SILVER HILL OBS SINES DEEP CREEK	8191 8210	WICOMICO PRINCE GEORGE	7 1 5 7	39 31 39 23 38 33 38 50 39 31	79 08 79 12 75 43 76 57 79 25	1495 1700 10 291 2038	1 1 27	5 2 10 1 27	1 JA	Ŋ	•	1 2 3 4 2 2 1 2 3 1 2 3
CLEAR SPRING TCOCKEYSVILLE 2 NW COLEMAN COLLEGE PARK UNI OF MD COLLEGE PARK SCS	1960 1980 1995	WASHINGTON BALTIMORE KENT PRINCE GEORGES MONTGOMERY	1 7	39 40 39 30 39 21 38 59 39 03	77 54 76 40 76 07 76 56 76 57	560 460 80 95 309	52 54 65	52 10 54 65 12			FEB	1 2 3 2 1 2 3 1 2 3 2		TSNOW HILL I NE SOLOMONS TAKOMA PARK MISS AVE TONOLOWAY TOWSON	8405 8725 8855		7. 7	38 11 38 19 38 59 39 40 39 24	75 23 76 27 77 00 78 15 76 36	20 20 230 550 415	36 60 7 27 14	36 60 7 27 39				1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
CONOWINGO DAM CONOWINGO POLICE BARRACKS CRISFIELD CUMBERLAND CUMBERLAND CUMBERLAND POLICE BARRACKS	2065 2205 2280	HARFORD HARFORD SOMERSET ALLEGANY ALLEGANY	8 1 7	39 39 39 39 37 59 39 39 39 39	76 10 76 11 75 51 78 45 78 49	40 195 5 623 880	16 4 32 81 4	16 4 32 81 4	,	-		1 2 3 1 2 3 1 2 3 1 2 3 1 2 3		UNIONVILLE VIENNA VIERS MILL WALDORF POLICE BARRACKS WATERLOO POLICE BARRACKS	9140 9187	FREDERICK DORCHESTER MONTGOMERY CHARLES HOWARD	7	39 27 38 29 39 03 38 39 39 10	77 11 75 50 77 05 76 53 76 47	.430 12 320 210 230	12 3 2 4 4	10 3 2 4				1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
DISTRICT HEIGHTS DUNDALK EASTON POLICE BARRACKS EDGEMONT ELKTON	2660 2700 2770	PRINCE GEORGES BALTIMORE TALBOT WASHINGTON CECIL	1 7	38 51 39 16 38 46 39 40 39 36	76 54 76 31 76 01 77 33 75 50	272 28 60 920 28	6 3 61 25	6 61 13 25				1 2 3 1 2 3 1 2 3 2 2 1 2 3		WEST LANHAM HILLS WESTERN PORT WESTMINSTER WHALEYSVILLE WHITE HALL	9400 9405 9435 9497 9507	ALLEGANY CARROLL WORCESTER	1	38 57 39 29 39 35 38 24 39 37	76 53 79 02 77 00 75 18 76 38	165 1000 770 32 330	4 58 42 3 5	58 42 3		A	ug]	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
EMMITSBURG FALLSTON FORT GEORGE G MEADE FREDERICK POLICE BARRACKS FREDERICK WB AIRPORT	3050 3230 3348	FREDERICK HARFORD ANNE ARUNDEL FREDERICK FREDERICK	6	39 41 39 31 39 07 39 25 39 25	77 21 76 25 76 46 77 26 77 23	720 450 195 380 294	85 82 10 4 8	85 82 10 4 8				1 2 3 1 2 3 1 2 3 1 2 3 1 2 3		WILLIAMSPORT WOODSTOCK COLLEGE DISTRICT OF COLUMBIA	9750	WASHINGTON BALTIMORE	5	39 37 39 20		360 415	82	13 62				1 2 3
FREDERICK 3 E FRIENDSVILLE FROSTBURG GERMANTOWN GLEN ECHO	3410 3585	FREDERICK GARRETT ALLEGANY MONTGOMERY MONTGOMERY	7	39 24 39 40 39 39 39 10 38 58	77 22 79 24 78 56 77 17 77 09	385 1510 2100 460 150	2 50 31	3 2 50 31 7		`		2 1 2 3 1 2 3 1 2 3		BRIGHTWOOD DALECARLIA RESERVOIR NATIONAL ARBORETUM U S SOLDIERS HOME . WASHINGTON WB CITY	1135 2325 6350 9035 9290		7 7 7	38 57 38 56 38 54 38 56 38 54	77 01 77 07 76 58 77 01 77 03	260 146 70 230 72	6 6 81	5 6 81			- 1	1 2 3 1 2 3 1 2 3 1 2 3
GLENN DALE BELL STATION GRANTSVILLE GRASONVILLE GREENBELT HAGERSTOWN	3675 3795 3805 3860 3975	PRINCE GEORGES GARRETT QUEEN ANNES PRINCE GEORGES WASHINGTON	6 4 1 7	38 58 39 42 38 57 39 01 39 39	76 48 79 09 76 12 76 52 77 44	151 2300 8 200 660	31 4 10	31 9 4 10				1 2 3 2 1 2 3 1 2 3 1 2 3		DELAWARE BRIDGEVILLE CLAYTON DELAWARE CITY REEDY POINT DOVER GEORGETOWN	1483 2625 2730	SUSSEX KENT NEW CASTLE KENT SUSSEX	2 2 2	38 44 39 18 39 34 39 10 38 39	75 38 75 38 75 35 75 32 75 27	45 40 10 34 50	61 1 65 64 6	61 1 65 64 6	AP	R	ŀ	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
HANCOCK FRUIT LABORATORY HUNTINGTOWN KEEDYSVILLE LA PLATA LAUREL 3 W	4485 4780 5080 5111	WASHINGTON CALVERT WASHINGTON CHARLES PRINCE GEORGES	6 7 7 6	1	78 11 76 37 77 42 76 58 76 54	428 160 420 190 400	18 16 48 37 61	18 16 48 37 61				1 2 3 1 2 3 1 2 3 1 2 3 1 2 3		LEWES MILFORD MILLSBORD NEWARK COLLEGE FARM SMYRNA	5320 5915 6020 6410		2 2 2	38 46 38 55 38 35 39 39 39 15	75 08 75 26 75 19 75 46 75 36	10 10 20 110 45	7 56 59 39	7 56 59 39		A		1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
LEONARDTOWN 4 SSW LISBON LOCK RAVEN DAM LUKE MERRILL	5302 5340 5530	ST MARYS HOWARD BALTIMORE ALLEGANY GARRETT	6 1 7	38 15 39 20 39 26 39 29 39 36	76 39 77 04 76 33 79 03 79 05	20 585 - 950 1790	17	17 3 2 14 1		MAY		1 2 3 1 2 3 2 2 2		WILMINGTON WE NEW CASTLE WILMINGTON CITY HALL WILMINGTON PORTER RESERVOIR	9595 9600	NEW CASTLE NEW CASTLE NEW CASTLE	2 [39 40 39 45 39 46	75 36 75 33 75 32	73 99 260	40	4 58 40			1	1 2 3

^{\$ 1-}CHESAPEAKE: 2-COASTAL, 3-MONONGAHELA; 4-CHIO; 5-PATAPSCO; 6-PATUXENT, 7-POTOMAC; 8-SUSQUEHANNA; 9-YOUGHIOGHENY.

CHANGE OF NAMES

- ERRONEOUSLY SHOWN AS CAMBRIDGE 5 E PRIOR TO THIS BULLETIN † CAMBRIDGE 5 W, MD.
- † COCKEYSVILLE 2 NW, MD. FORMERLY COCKEYSVILLE PRIOR TO OCTOBER
- † PRESTON 1 S, MD. † ROCK HALL 3 N. MD.
- FORMERLY PRESTON PRIOR TO MAY
- FORMERLY ROCK HALL PRIOR TO FEBRUARY
- T SNOW HILL I NE, MD.
- FORMERLY SNOW HILL PRIOR TO MARCH

REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in *F; precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by foot note following Table 4.

The four digit identification numbers in the Index are assigned on a State basis. There will be no duplication of numbers within a state. Figures and letters following the station name, such as (2 SSF) 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 Climatological Data.

- No record.

 Also later date (dates) or months.

 Amount included in following measurement.

 Amount included in following measurement.

 B adjusted to full month.

 B adjusted to full month.

 S water equivalent of somefall wholly or partially estimated, using a ratio of l inch water equivalent to every 10 inches of new snowfall.

 N 1 to 3 days' record missing; see monthly Climatological Data for detailed daily record.

 S Station equipped with a recording gage only.

 T Trace, an amount too small to measure.

 N 1 Includes total for previous month.

Subscription Price: 15 cents per copy, monthly and annual; \$1.50 per year. (Yearly subscription includes the Annual Sunmary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

MARYLAND AND DELAWARE - 1951

G. N. Brancato, Section Director - Baltimore, Md.

WEATHER SUMMARY

Mild temperatures, abundant rain and little snow characterized the weather of 1951.

November was the only month with mean temperature averages below normal, while January, February, October and December were well above normal. The growing season was long, running from the last killing frost in spring during the last half of April to the first killing frost of autumn in the early part of November for most areas. As a result, frost damage to crops was minor. On December 7th, an 80-degree reading at Westernport, Maryland, set a new high temperature record for December for Maryland, while a temperature of 76 degrees, on the same date at Lewes, Delaware, equalled that State's previous high temperature record for December.

Precipitation was abundant through most of the year. Maryland's June rainfall averaged the highest of any June of record but there were no serious floods. August, September and October were dry in most areas but the dryness came late and did not affect crop development seriously.

Monthly snowfall totals were light throughout the year, the lone exception being above normal amounts in Maryland during December. The deficiency was particularly pronounced from January to April.

There were no hurricanes sufficiently close to the Maryland-Delaware coast to cause any unusual high winds or high tide damage.

The number of thunderstorms during the year was about average.

January: Mean temperatures were well above normal for the third successive January, but they averaged some eight degrees below the record-breaking warmth of January one year earlier. Precipitation totals were somewhat below normal but there was considerable variation in amounts over the area. Snowfall was somewhat below that regularly received, except in extreme western Maryland where it was about typical for January.

February: Continuing a pattern of mildness, also for the third successive February, mean temperatures from all stations averaged about three degrees above normal. Precipitation totals varied considerably and averaged about one-tenth of an inch below normal. Falls of snow were exceptionally light.

March: Both mean temperatures and precipitation totals averaged near normal this month, but snowfall totals continued very light.

April: Precipitation totals and mean temperature averages continued close enough to normal to be considered normal. Precipitation varied considerably in the Section but temperature averages showed only slight deviation from normal.

May: As in April, mean temperatures were near normal and precipitation totals varied considerably.

June: Record-breaking rainfall in Maryland, especially in and near the District of Columbia, was the outstanding feature of this month. Thunderstorms were more common than usual. Mean temperatures averaged near normal.

July: Rainfall totals were slightly below normal as the late summer dry period started. Mean temperatures averaged slightly above mid-summer normals.

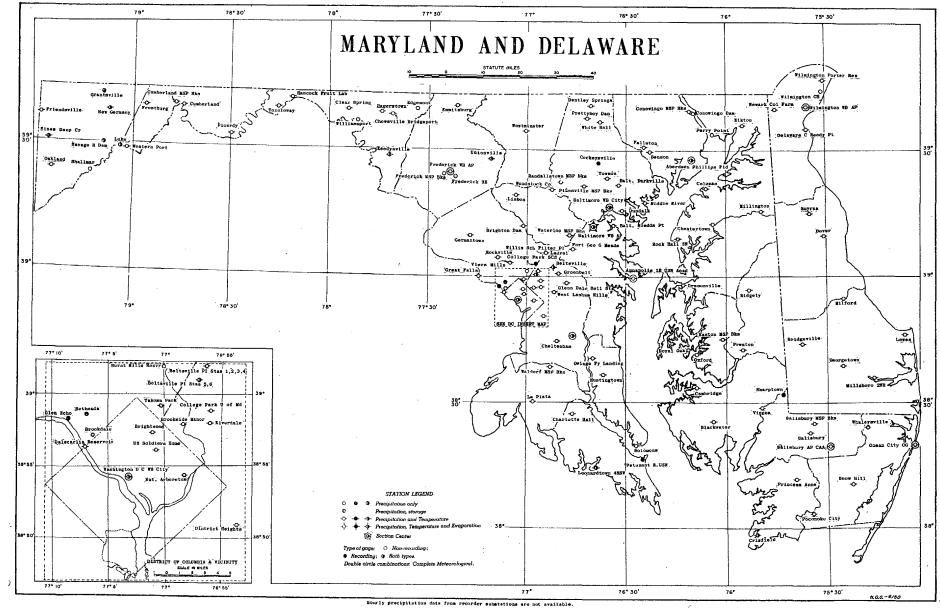
August and September: Precipitation was considerably below normal and mean temperatures averaged near normal during these months.

October: This was a warm month with some area having precipitation totals near normal and others having record-breaking deficiencies.

November: This was the only 1951 month with mean temperatures well below normal and the coldness approached November records in that respect. Precipitation was heavy with average amounts just under record levels. Snowfall was light.

December: Although precipitation continued heavy as it did in November, temperatures reversed from the near record coldness of the preceding month to values well above normal. Snowfall was slightly below normal in Delaware and almost twice the normal in Maryland. - H.L.A.

See Page 199 for Acknowledgments



	Janu	ary	Febr	uary	Ma	rch	Ar	ril	м	ay	Ju	ne	Ju	ly	Aug	ust	Septe	mber	Octo	ber	Nove	mber	Dece	nber	Anı	nual
Station	Тетр.	Departure	Тетр	Departure	Тетр	Departure	Temp	Departure	Temp.	Departure	Тетр.	Departure	Temp.	Departure	Тетр.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Тетр.	Departure	Temp	Departure
ABERDEEN PHILLIPS FLD ANNAPOLIS U S N ACADEM ANNAPOLIS WATER WORKS BALTIMORE SLEDDS PT BALTIMORE WB AIRPORT	34.4 37.3 37.7 36.9	_	35.6 36.3 37.4 36.5	2.2 1.4	42.5 42.9 44.6 43.3	5 - -	51.5 53.6 52.9 54.9 53.8	. 5	62.3 63.0 62.0 64.6 63.4	- 1.0	70.5 72.3 71.1 72.8 72.0		75.6 77.3 75.8 77.3 77.3	.0 -	73.7 76.0 73.6 75.4 74.8	1 .2 - 1.7	66.6 70.1 66.8M 68.8 68.3	. 5	59.1 61.6 58.7 60.4 59.9	2.9 3.5	42.2E 42.6	- 4.9 - 3.5 - 6.0	37.3M 38.5		54.1 56.2 56.2 55.5	.1 .6 -
BELTSVILLE	38.8 36.5 35.7 35.2 35.1	2.3	38.0 36.6 34.7 35.0 35.1	-	45.1 43.3 41.3 41.3 41.4	- 1.3	55.5 53.5 51.5 51.4 51.0	1 -	65.0 64.1 61.2 61.1 61.1	9	73.6 71.7 70.0 69.5 69.7	9	79.0 76.2 75.1 74.6 74.5	.3	76.7 74.1 72.6 72.6 72.3	- 1	70.5 67.8 66.9 66.6 66.4	1	58.1 58.2 57.9	3.7 2.7	44.0 41.5 40.5 40.3 40.8	- 3.0 - 4.9 -	41.1 37.9 36.5 36.0 36.4	1.4	57.4 53.7 53.5 53.5	1.5 1 -
BELTSVILLE PLT IND ST3 BELTSVILLE PLT IND ST4 BELTSVILLE PLT IND ST5 BSLTSVILLE PLT IND ST6 BENSON POLICE BRES	36.4 35.2		35.8 35.9 34.9 36.3 35.8	-	42.2 42.4 40.9 42.5 42.0		52.3 52.7 50.7 53.4 51.9		62.1 63.3 61.0 63.0 62.7	-	70.5 71.2 69.8 71.3 70.6	-	75.4 76.4 74.7 76.5 74.7	-	73.5 74.1 72.4 74.4 72.7		67.4 68.5 66.4 68.1 66.8	11111	58.8 59.4 57.6 59.6 59.1	-	41.2 41.4 40.9 42.0 41.4	-	37.0 37.2 36.4 37.7 36.5	1	54.4 54.9 53.4 55.2 54.1	-
BENTLEY SPRINGS BERLIN BETHESDA NIH BLACKWATER REFUGE BRIGHTON DAM	33.4 37.1 37.7 36.3		33.4 37.2 37.8 36.3	1	40.4 43.7 42.9 42.5		50.0 53.7 52.6 52.2		60.7 63.1 62.6 61.7	, - - -	68.4 71.0 71.4 69.8	-	72.6 75.7 77.2 73.1	-	70.7M 74.0M 73.4 74.5 73.2		64.7 68.8 66.9 68.4 66.7		55.9 61.0 58.0 60.6 58.0	-	38.6 45.6 40.5 44.4 41.1	=	34.6 42.2 38.0 41.2 36.7	-	52.0 54.8 55.9 54.1	
BRIGHTWOOD DC BROOKSIDE MANOR CAMBRIDGE 5 W CHARLOTTE HALL CHELFENHAM	38.3 37.5 38.8 40.2 37.4	2.7 6.4	38.1 37.9 39.1 39.4 36.2	4.5	44.2 44.7 44.2 45.7N 43.1	.7	55.1 M 53.2 54.6 53,1	.5	65.0 64.0M 62.9 63.1 62.0	- 2.2 - 1.9 - 1.7	72.9 70.9 71.7 71.4 71.2	- 1.6 - 1.3 3	78.8 77.7 77.4 76.2 76.1	2	75.6 74.3 74.7 73.3 73.4	- 1.2 - 1.9 5	69.9 69.1 69.4 67.9 67.4	8 - 1.1 - 1.0	60.6 60.4 61.6 60.5 59.4	2.8	43.1 42.5 45.0 44.8 42.6	- 3.0 - 2.5 - 3.5	39.4 39.2 40.9 41.5 38.7	2.6 4.3 2.6	56.5	.0 .8 .0
CHESTERTOWN CHEWSVILLE BRIDGEPORT CLEAR SPRING COLEMAN COLLEGE PARK U OF MD	37.4 34.3 34.3 37.4 37.4	3.5 3.1 3.6	36.9 34.7 36.0 37.6 37.8	3.5 5.3 3.6	43.9 42.1 42.31 44.5 44.9	1.1 8	54.2 51.8 52.2 54.8 53.9	1.3 1.1 1.7	63.8 61.1 63.0 64.6 63.8	1.3 8	72.2 70.4 70.9 72.0 72.4	1.6	77.5 74.4 75.2 77.8 77.5	1.0 1.1	75.9 72.0 72.2 76.4 74.5	1.7	70.2 66.1 66.8 68.5	-	60.8 57.4 58.8 62.2 60.3	3.0 4.4 3.9	43.6 39.3 39.8 44.5 42.8	- 2.4 - 3.9 - 3.6 - 2.5 - 2.6	36.4	3.9 1.7 3.9 4.2 3.3	54.0	1.7 1.0 1.6
CRISFIELD CUMBERLAND	32.7 32.1 41.1 34.2 32.9	2.8	34.1 32.1 40.6 35.8 35.0	1.3 2.6	41.3 41.2 46.0 43.2 41.6	- 1.1 2.5	51.1 50.9 57.0 51.7 51.8	1.2	61.6 61.0 66.1 62.1 61.8	.3	69.8 69.2 74.0 70.4 69.4	5	75.1 76.9 80.3 74.5 73.6	2.2 .0	73.8 74.2 77.7 72.0 70.3	.8	66.3 68.2 73.3 67.1 64.6	1.0 1.1	58.5 58.9 64.4 57.9 55.5	3.5 3.1 3.3	42.4 48.9	- 3.3 - 2.0 - 4.4	37.6		53.4 53.7 59.6 53.5	.6 1.2 .5
DALECARLIA RESERVOIR D DISTRICT HEIGHTS DUNDALK EASTON POLICE BRKS ELETON	38.4 39.0 38.5 38.9 35.3	3.9	38.3M 38.0 38.1 39.3 36.6	-	45.0 44.1 45.0 44.6 42.8	.2	54.2 54.7 55.5 54.7 53.3	1,3	64.5M 63.8 65.0 63.5 63.1	i -	72.8 71.8 72.8 73.4M 71.1	1.5	77.8 77.1 78.0 78.3 75.8	-	75.6M 74.8 75.8M 75.5 73.9	.9	69.2M 68.7 70.0 71.1 67.7	2.3	60.0 60.1 61.2 61.0 59.2		43.4 43.5 44.8M 42.0	- 2.2 - 3.8		2.7 2.4	56.6 57.0 57.1 54.8	1.7
EMMITSBURG FALLSTON FORT GEORGE G MEADE FREDERICK POLICE BRKS	34.0 33.3 36.2 34.8 35.1	2.8 1.8	33.9 34.0 35.5 34.8 35.5	1.5	41.4 40.7 42.3 42.3 42.9	.5 .2 3	51.8 51.1 52.3 52.7 52.4	1 .2 1	63.3 61.2 61.1 62.7 62.6	1.0 5 - 1.0	68.7 69.3M 70.8M 71.7	- 1,2	74.4 75.2 75.9 77.2	-	72.8 73.2 72.7 74.0	.4 - 1.4	67.0 66.8 66.4 68.4	.5 - 1.3	58.9± 59.0 58.3 57.9 59.3	-	40.5 40.4 41.6 38.8 41.3	- 3.2 - 3.7 - 5.7	36.3 36.8 37.8	2.6	53.3 54.1 54.7	.5 - .0
PRIENDSVILLE FROSTBURG GERMANTOWN	33.7 32.5 36.6 36.7	2.5 3.5	34.0 32.9 35.9M 36.9	2.4 1.3	39.4 38.3 43.21 43.5 45.0	9 2 6	48.4 48.3 53.1 53.0 55.2M	- 1.3 .6	58.7	9 1 7	66.5 67.2 70.4 71.4 72.8	9 6	69.4 70.5 75.5 76.1 77.8	- 1.0 .3 .6	66.4	- 1.7 2 - 1.2	60.7 63.1 67.8 67.8 69.3	- 1.3 2 4 8	53.1 55.1 59.5 59.1	3.5 3.4	35.2 35.6 41.1 42.1 44.0	- 4.5 - 3.6	33.0 37.8 38.5 39.8M	3.5 2.1 2.8 1.0	_	4 .5
GREENBELT HAGERSTOWN HANCOCK FRUIT LAB HUNTINGTOWN KEEDYSVILLE	35.7 34.5 30.8 39.8 35.7	1.2 4.7	35.0 34.5 32.5 38.7 36.0	2.9 1.7	41.0M 42.3 39.5 44.2 43.0	- - 2.3 9	52.0M 52.4 49.3 54.2 52.6	- - 3.2 ,0	62.0 62.9 60.6 63.1 62.0	-	70.6M 71.5 69.3 71.3	- - 1.8 - 1.2	75.5 75.9 73.9 76.1 76.5	- - 8	72.4M 73.3M 70.6 73.8 74.6	- 2.3 3 8	66.7 67.8 64.4 68.9 68.9	- - 2.9 .9	58.3M 58.4 55.5 60.7 59.8	.5 3.1	40.7 39.4 37.2 44.2 40.4	- - 6.5 - 3.9	36.5 35.4 31.1		53.8 54.0 51.2 56.3 54.7	- 1.7 .5
LA PLATA LAUREL 3 W LEONARDTOWN 4 SSW LISBON MIDDLE RIVER	40.0 37.5 40.2 33.8 36.0	3.9 4.4 4.1 2.4	38.8 37.1 40.2 34.5 36.5	1.6 3.5 3.4		9 .6 3.0	54.7 53.9 55.5 51.1 54.6	1.3	63.2 64.0 64.2 61.7 64.9	6 2	72.8 73.5 70.0 73.3	.1	76.9 77.7 74.5 78.1	.5 .7 .5	74.0 75.4 71.9 76.0	4	68.9 68.6 69.8 65.9 69.2M	9 .8 .5 - 1.2		3.4 3.1 1.6	-	- 1.7	39.0	1.7 3.8 1.8 2.2	56.6 57.4 52.9 56.2	1.2
MILLINGTON NATIONAL ARBORETUM DC NEW GERMANY OAKLAND OCEAN CITY	38.1 39.5 27.1 31.1 40.5	4.0	37.6 38.6M 29.4 32.2 39.7	3.4	44.7 46.33 34.1 37.0 43.4	.7	54.0 55.1 43.7 46.6 52.8	.7 - .3	63.4 64.7 56.2 56.7 60.3	J .2	72.2 72.8 63.3	.6 - .8	77.2 77.9 M 66.7	1.1	75.1 75.9 63.8 65.8 76.7	.9 - 2	69.8 71.0 58.0 60.1 71.2	1.2	61.0 60.8 51.5 52.8 62.6	3.7	44.8¥ 31.8	- 2.7 - 5.5	40.6 41.9 28.2 32.1 42.1	4.4 - 2.2	57.5 46.2	1.4
OWINGS PERRY LANDING OXFORD PICARDY PIKESVILLE POCOMOKE CITY	39.4 38.8 35.0 35.8 41.2	3.7	38.4 38.8 35.7 35.7 40.8	1.6 1.3 2.0	44.4 44.6 42.0 42.4 45.3		54.5 53.8 51.8 52.8 55.4	- 2.1	63.2 63.8 61.6 63.8 63.3	9 - 2.6 7	72.0 71.6 69.7 71.8 72.41		76.9 77.0 73.6 77.0 78.2	.7 5 4	74.0 74.5 71.7 75.2 75.3M	5 - 2.4 5 8	68.7 70.3 65.2 69.0 69.8	3 4 8 6	61.1 60.4% 57.3 60.1 61.0	3.0 .7 2.7	44.8 43.8 38.3 42.3 46.6	- 3.0 - 5.9 - 6.2 - 2.6		3.2 .7 2.4	56.6 53.1 55.4 57.7	.6 1 4
PRESTON 1 S PRETTYBOY DAM PRINCESS ANNE RANDALLSTOWN POL BRKS BIDGELY	39.2 40.5 35.4 39.5	-	39.5 40.5 35.4 39.6	-	44.7 42.7 45.0 42.9 45.2	3	54.1 52.2 54.5 53.4 55.1	.6	63.4 63.0 62.3 63.4 64.6	9	72.8 69.7 71.2 71.2 73.3	2	76.7 75.6 75.8 75.5 77.8	3	74.1 72.5 73.1 73.6 75.2	3 - 1.5	68.9 67.8 67.2 70.0	- 1.3 1.2	60.7 58.3 59.5 58.0 61.4	1.9	44.4 39.0 44.7 40.0 44.9	-	41.6 40.9 36.8 41.9	2.2 5.3	56.3 54.4 57.4	- .4 2,1
RIVERDALE ROCK HALL 3 N ROCKVILLE ROYAL OAK SALISBURY	37.3 37.8 37.3 39.4 41.1	3.3	37.6 37.2 37.5 38.9 40.9		43,9 44,0 44,7 45,3 45,9	- <u>.</u> 2	53.8 53.9 54.5 54.8 55.5] :	62.6M 62.7 63.2 64.4 64.3	- 1.1 0	71.9M 71.4 71.0 73.4 72.5	- 1.5 2	77.0 M 76.6 76.0 78.1 77.7	-	73.3 74.5 74.2 75.5 75.5	8 - .2	67,7M 69,1 68,4 70,6 69,5	4 1	59.2 61.0 60.4 61.9 61.2] :	41.3 43.4 43.5 44.9 46.4	- 3.8 - 1.8	38.6M 39.3 36.5M 40.6 43.1	2.7 4.3	55.3 55.9 55.6 57.3 57.8	1,2
SALISBURY POLICE BRKS SALISBURY CAA AIRPORT SALISBURY U S G S SAVAGE RIVER DAM SILVER HILL OBS	38.2 39.6 40.3	-	39.6 39.0 38.8	-	45.3 44.0 44.3M	-	54.8 53.2 55.0	-	63.9 62.0 63.3 60.2M	-	72.3 71.4 72.5 66.4H	-	77.4 76.9 77.8	-	74.6 73.9 74.8 78.9	-	67.9 69.1	-	60.4 59.8 61.6 54.3M		45.2 44.3 46.6	-	41.3¥ 40.8 42.6 -	11131	56.1 57.2	-
SINES DEEP CREEK SNOW HELL 1 NE SOLOMONS TAROMA PARK MISS AVE TONOLOWAY	30.4 40.6M 40.8 37.7 34.3	3.5 4.4 5.0	30.7 39.5 39.1 37.6 35.3	2.0 2.6 1.9	36.4 44.0 45.6 44.3 42.81	.5 4	45.6 53.9 55.2 54.5 51,8	.9	57.3 62.4 64.5 63.4 61.6	- 1.2	65.0 71.4 73.3 71.6 70.3	5 4 6	68.7 76.0 79.1 76.8 74.4	.1 .4	65.6 73.8 77.3 74.1 71.2M	7 1 3 7	68.4	6 .1 .3	63.1	1.9 2.6 2.5	32.7 45.7 47.0 42.2 38.8	- 2.3 - 5.0	30.7 42.6 42.2 39.0 34.88	3.2	56.5 58.3 55.8 53.2	- 1.0 .6 .7
TOWSON UNIONVILLE U S SOLDIERS HOME D C VIENNA VIERS MILL	35.7 34.2 37.4 40.2 36.1	2.7		2.7	42.4 41.5 43.2 45.5M 43.2	1.6	53.9 51.7 54.0 54.9 52.8	.9	1	.2	71.0 69.3 71.7 72.7 71.0	-	75.9 74.1 77.1 77.6 75.3	1.0	73.5 71.2 75.0 75.1 73.1	.3 - - -	67.6 64.9 69.0 67.6 66.9	1,4	58.8 57.5 60.2 61.9 58.4	2.9	41.0 39.5 42.9 46.44 41.3	- 3.6 - - -	38.1 34.4 38.9 41.7 37.4%	4.1	54.7 52.9 55.8 57.2 54.4	1.2
WALDORF POLICE BRKS WASHINGTON WB CITY DO WATERLOO POLICE BRKS WEST LANHAM HILLS WESTERN PORT	39.0 39.8 36.5 38.3 34.8	-	38.6 38.9 36.2 37.8 36.4	3.6	45.1 45.5 43.6 44.3] :	54.5 56.1 53.3 53.8M 52.1	-	63.4 65.2 63.7 63.6M 62.4	-	72.2 73.6 71.6 71.6 70.6	1 :	77.6 79.2 75.8 76.4 174.3	-	74.3 77.0 73.2 74.3 72.3] :	69.7 70.6 67.7 68.8 66.9	2.5	60.7 61.7 59.9 58.4	-	43.7 43.6 42.3 42.01 39.1	- 1.6 - - 4.6	39.7	1.3	56.5 57.6 - 53.8	2.6
WESTMINSTER WHALEYSVILLE WHITE HALL WOODSTOCK COLLEGE	34.8 40.4 23.4 34.9	2.9	34.4 40.1 - 35.8	1.B - 2.6	42.1 44.1 42.4	.7	52.3 54.2 52.4	.4	62.3 62.4 62.5	5 - 5	70.0 70.5 70.6	8	1	.3	72.8 - 73.7 73.6	3 - .9	ļ	1.1	1	3.2	39.6 40.7 42.1	- 5.4 - 3.1	36.9		53.7 54.3 55.0	.1 - .9
STATE AVERAGE	36.6	3.2	36.7	3.2	43.1	.3	53.0	.,,	62.7	ر. ، ا	.1.0	'-						"	-							

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL MARYLAND AND DELAWARE 1951

Table 1-Continued

	Janu	ary	Feb	uary	Ma	rch	A	oril	М	ay	Ju	ne	Ju	ıly	Auç	just	Septe	mber	Octo	ber	Nove	mber	Dece	mber	Anı	nual
Station	Temp	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Тетр.	Departure	Тепр.	Departure	Temp.	Departure	Тетр.	Departure	Тещр.	Departure	Тещр.	Departure	Temp.	Departure
DELAWARE																										
CLATTON DELAWARE CITY REEDY PT DOVER	39.0 36.3 37.5 39.5	3,2 2,3	38.7 37.0 37.6 39.3	3.0 2.1	43.6 43.7 44.5 43.6	1.7 1.1	53.1 53.4 54.3 53.5	1.1	62.4 63.8 63.8 63.9 62.7	.5	71.3 72.2	8 3	76.3 77.3 74.9 77.3 77.0	- 1.7	73.4 75.6 73.6 75.3 74.1	- 1.2 .6	69.4M	- 2.0 .7	59.9 61.1 59.8 60.8 59.6	2.1 3.3	44.5 43.9 42.8 45.0 44.7	- 3.5 - 1.5	41.1 39.41 41.7 41.2	3.3	55.9 55.2 56.6 56.2	.6 .4 1.2
MILFORD MILLSBORO NEWARK COLLEGE FARM	39.1 39.7 39.6 35.0 37.8	3.8	38.4 37.7 39.2 35.6	1.9 3.3	42.9 43.4 41.9	- 1.1	52.6 53.4 51.5	.5	61.5 62.4 62.4		70.4 71.5 70.9 70.1	8	75.1 76.7 76.1 75.1	1 2 .3	73.6 73.7 73.3	- 1.0		7	59.6 60.4 58.4		44.9 44.8 41.2		40.8 40.8 38.1M 37.1		55.6 - - 54.0	1.4
WILMGTON REASTLE WB AP WILMINGTON PORTER RESV			34.8 35.1		41.5 41.4		51.6 51.7		61.9 61.9	- 1.1	70.4 69.8	- 1.5	75.9 75.0	- 1.0	73.8 73.1		67.0 66.8	- 1.3	59.1 59.0	2.2	41.5 41.3	 - 4.4			54.1 54.0	- :1 - :1
	37.5 36.7		37.3 36.8	1	42.9 43.1		52.8 53.0			1	71.1 71.0		76.1 76.0		74.0 73.7		67.9 67.9		59.8 59.3			- 3.2 - 3.2	1		55.4 55.1	.4

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrolgical Bulletin Series. The Hydroclimatic Network is an antionwide net of rain gages-mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about \$250,000 per year between 1940 and 1944, and nearly \$375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about \$250,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about \$25,000 per year to meet the increasing needs

of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

1	Jam	ıary	Febr	uary	Мат	ch	Ap	ril	м	ay	Ju	ne	Ju	ly	Aug	just	Septe	mber	Octo	ber	Nove	nber	Dece	mber	Ann	ual
Station	Precip	Departure	Prectip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip	Departure	Ртесір.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure
BERDEEN PHILLIPS FLD MMAPOLIS U S N ACAMY MMAPOLIS WATER WORKS ALTIMORE SLEDDS PT ALTIMORE WE AIRPORT R	2.88 1.65 2.94 2.88	27 -1.72 -	3.56 2.62 3.29 3.36	.86 59 - - .56	3.76 2.30 2.91 3.70	. 53 -1.40 - . 22	2.23 3.86 4.07 4.07 3.69	-1.13 .21 - - .16	2.56 2.90 3.30 4.01 3.92	-1.01 -1.14 -	5.57 8.86 9.61 7.47 8.80	1.99 4.83 - 5.11	4.20 2.30 1.12 2.94 1.84	12 -2.11 -2.55	1.08 1.73 2.60 1.27	-3.50 -2.79 -3.57	1.08 1.39 2.37 2.34 4.13	-2.26 -2.40 	2.25 2.21 1.80 1.91 2.02	29 95 - -1.34	6.05 5.60 5.74 6.20	3.24 2.78 - 2.94	5.38 4.85 6.06 4.49 4.49	2.71 1.51 - 1.36	40.60 40.27 43.38 45.80	.7! - 3.71 2.83
AALTIMORE WB CITY R AALTIMORE PARKVILLE BELTSVILLE BELTSVILLE PLT IND ST1 BELTSVILLE PLT IND ST2	2,85 2,43 1,71 1,82 1,78	59 -1. 58	3.56 2.96 2.85 3.21 3.27	. 37	3.21 3.39 2.64 2.83 2.71	49 85	3.63 4.79 3.06 3.43 3.39	.10 08	3.84 3.38 2.23 2.20 2.24		9,14 6,39 11,32 10,96 10,32	5.37 8.01	3,11 1,99 3,06 2,41 1,78	-1,31 -1,15	.77 .86 1.18 1.35 1.53	-3.74 -3.83	3.48 4.20 2.58 2.51 2.47	05 -1.18	2.29 2.32 1.53 1.47 1.38	72 -1.88	6.03 6.75 5.42 5.30 5.14	3.20 2.37	5.02 5.32 3.97 4.16 4.01	1.10	46.93 44.78 41.55 41.65 40.02	4.2
ELTSVILLE PLT IND ST3 ELTSVILLE PLT IND ST4 ELTSVILLE PLT IND ST5 ELTSVILLE PLT IND ST6 ELTSVILLE SCS R 1	1.86 1.84 1.79 1.94	-	3.25 3.13 3.33 3.26		2.42 2.64 2.65 2.57	. :	3.54 3.39 3.51 3.61	-	2.44 2.27 2.31 2.43	-	10.73 10.32 10.49 10.16		1.72 1.51 1.90 1.77	-	1.76 1.84 2.26 2.12	11111	2.43 2.13 2.68 2.59		1.58 1.51 1.51 1.51	-	5.25 4.99 5.39 5.30		4.06 4.39 4.32 4.44	-	41.04 39.96 42.14 41.70	-
ENSON POLICE BRKS ENTLEY SPRINGS ERLIN ETHESDA R ETHESDA RIST NIS	3.08 3.35 2.58 2.64	-	4.00 4.10 2.60 2.83		3.85 3.21 2.09 2.64	-	4.02 3.38 - 3.85	-	3.76 2.00 - 1.92	11111	6.59 7.98 - 10.11	-	6.54 4.53 1.02 .87		.53 5.75 3.05	,,,,,	4.04 3.12 1.61 1.70 1.62		2.12 2.46 2.80	-	6.53 5.87 4.70 5.78	-	5.66 4.69 6.61 3.80	-	50.74 50.44 - 39.12	=
LACEVATER REFUGE RIGHTON DAM ROOKDALE ROOKSIDE MANOR URNT MILLS RESERVOIR	1.52 2.67 2.35 2.68 2.39	-	2.14 3.10 3.00 E2.46 3.58	-	2.84 2.64 3.84 2.96 3.19	-	2.53 3.77 4.25 3.83		2.48 2.30 2.38 2.95 2.24	-	4.39 12.24 10.67 9.93 10.14	-	4,33 1,95 1,45 2,34 1,81		3.49 .59 1.92 5.09 1.43	,,,,,	4.40 1.48 2.33 3.67 2.61	-	2,22 1,72 1,53 1,63 1,35	-	5.25 5.35 5.95 5.34 5.73	-	4.21 4.54 4.66 4.66 4.59	-	39.80 42.35 44.33 42.89	-
	1.63 1.46 1.51 2.82 2.95	-2.01 -1.84 -2.21 65	1.89 2.18 2.80 3.20 3.25	-1.42 92 .03 .20 1.08	3.00 2.86 2.98 2.69 3.89	83 45 68 83 .88	4.01 3.54 4.43 4.19 2.99	.40 07 .50 .54 .02	3.23 2.29 3.10 3.22 1.96	40 -1.38 57 56 -1.56	4.41 5.67 5.99 6.35 8.79	.63 2.11 1.76 2.39 4.79	2.71 4.80 4.90 4.59 2.81	-1.84 39 .39 .38 85	1.79 4.65 2.70 .53 3.07	-3.08 .82 -2.23 -3.68 80	6.07 2.38 2.49 1.04 2.12	2.66 65 -1.11 -2.35 95	2.92 2.25 1.47 3.30 1.25	26 -1.07 -1.57 .22 -1.72	5.92 6.44 6.32 8.54 4.18	3.07 3.81 3.54 3.58 1.92	3.94 5.07 3.87 5.91 5.02	.78 2,11 .65 2,45 2,41	41.52 43.59 42.56 44.38 42.28	- 2.3 2.1 - 1.5 1.6 5.4
LEAR SPRING DOCKEYSVILLE 2 NV R DLEMAN DLLEGE PARE U OF M DNOWINGO DAN	3.65 3.61 3.00 2.36 4.03	. 58 53 95 . 60	3.55 3.63 2.67 2.78 3.60	.93 35 24 1.01	4.39 4.01 2.76 2.39 3.81	.83 79 -1.14 .35	4.60 3.80 3.25 3.36 3.30	.96 25 14 11	2.44 2.71 3.41 2.60 3.02	-1.38 28 -1.36 -1.78	7.48 6.63 5.69 10.57 6.89	3.31 1.93 6.68 2.11	1,07 1,26 3,55 1,56 7,50	-2.95 86 -2.60 2.55	1,33 1,39 .68 3,16 .15	-2.87 -4.06 -1.18 -4.13	3.39 2.79 - 2.55 1.10	.33 88 -2.01	2.53 2.58 1.63 2.54	35 -1.26 86	4.83 5.90 5.41 7.27	3.11 2.68 3.86	5.33 5.02 4.46 5.60	2,22 1,59 1,43 2,25	44.59 - 42.83 48.81	3.7 1.0 3.8
ONOWINGO POLICE BE RISFIELD UMBERLAND UMBERLAND POLICE BS ALECARLIA RESERVOIRDC	1.86 3.16 3.26 1.34	-1.80 .67	2.68 2.29 3.64 4.23 2.86	-1.11 1.30	2.26 2.71 4.02 3.20 3.91	-1.44 1.02	5.02 3.20 3.67 1.66 3.61	67 .79 -	3.37 5.33 2.59 1.07 2.26	1.76	5.55 5.20 7.43 3.66 8.84	1.71 3.55	5,18 4,15 2,58 2,76 2,92	92 68	.33 5.26 1.08 1.76 1.46	.71 -2.40	1.14 2.12 1.22 1.34 .70	-1.32 -1.53	2.27 3.15 .98 .81 1.30	.19 -1.35	6.62 4.90 3.34 3.97 6.20	1.97 1.16	5.12 3.80 4.05 5.67	- .68 1.58 -	43.97 37.76 41.07	2 3.1
DGENONT	2.19 3.09 1.66 2.33 3.53	-1.72 27	2.57 3.38 E2.45 3.77 3.55	- 70 1.89 .64	2.21 2.98 2.70 4.76 3.61	-1.00 1.52 14	3.61 4.08 3.93 3.80 2.34	- .54 .40 -1.33	3.13 4.43 2.26 2.49 3.49	-1.23 -2.27 86	8.28 8.41 3.32 7.80 4.52	50 3.95 .41	2.89 4.01 4.11 2.31 7.33	44 -1.26 2.95	2.06 2.90 2.04 4.19 1.38	-2.42 .27 -4.10	3.16 1.63 2.39 2.59 1.64	98 40 -1.53	2.20 2.57 1.89 1.74 2.76	-1.30 -2.11 44	4.97 5.60 4.91 6.58	2.83 1.39 3.32	5,13 4,93 4,45 5,08 5,19	1.38 2.08 2.12	47.38 836.80 45.77 45.92	5,1
MITSBURG ALLSTON DET GEORGE G MEADE ARDERICK POLICE BE REDERICK VB AIRPORT	3.32 3.01 3.12 1.60 2.11	.05 56 -1.55	3.44 3.59 3.62 4.02 3.89	.43 .29 1.16	4.82 3.12 3.45 3.12 2.85	.84 61 25	4.84 3.59 2.98 2.72	1.22	1.92 3.62 3.81 1.51 1.52	-2.28 21 -2.26	6.33 9.76 8.54 11.26	2,35 4.33	3.09 6.49 2.26 3.40 2.59	-1.13 2.07 51	.74 .62 1.43 1.56	-4.13 -2.44	4.44 2.43 1.22 1.64	.49 -2.14	1.61 2.21 1.73 1.36 1.38	-1.94 -1.22 -1.58	7.45 6.54 5.74 4.81 5.41	4.12 3.31 2.14	5.93 5.73 5.12 3.84 3.01	2.77 2.29 .78	45.25 37.83 39.94	- 2.E
REDERICK 3 E RIGNDSVILLE ROSTBURG REMANTONN LEN ECHO R	1.78 5.14 4.18 2.30 2.33	.84 74	4.40 3.05 3.23 3.15 2.83	- . 64 . 56	2.43 E3.83 4.74 2.91 2.68	1.09 17	2.48 4.51 4.48 3.62	- . 73 . 44	1.81 3.35 3.90 2.78	- 19	10.85 7.19 7.01 11.81	2,25 8.08	3.26 6.02 4.65 2.32 1.04	.91 -1.15	1.67 2.11 .81 .90 1.54	-3.39 -3.22	.89 2.58 1.79 1.42 1.22	-1.39 -1.89	1.28 1.97 1.29 1.42	-1.92 -1.69	5.07 4.17 4.79	1.63 2.06	3.54 - 4.23 4.21	1.34 1.59	39.46 44.48 41.63	2.5 3.1
LEMM DALE BELL STA AAMTSVILLE R RASONVILLE REENBELT AGERSTONN	2.02 4.41 1.89	-1 . 57 - - -	2.98 2.38 3.38 3.32	.16	3.03 2.78 2.32 2.97 3.16	41 -1.94 -	4.00 2.76 3.50 4.48	.31 - -	2.47 2.80 2.83 2.34	-1.51	9.03 6.78 7.56 10.33 8.80	5.26 3.73	4.00 3.17 5.59 4.16 .95	1.52	2.74 4.10 1.46 2.12	-1.90 72	1.67 1.59 2.53 1.31	-2.20 -1.79	2.23 2.42 2.97 1.07	-1.01 75 -	6.54 6.59 5.77 4.56	3.44	4.84 - 5.15 4.44	2.04 - - - -	45.55 - 46.94	2.3 - - -
ANCOCE FEUIT LAB UNTINGTOWN EEDYSVILLE A PLATA AUREL 3 W	2.87 1.59 2.85 1.72 2.04	.20 -2.06 .05 -2.12 -1.27	3.82 2.83 3.33 3.23	1.63 .22 1.03 -	2.92	2.52 60 01 39 -1.32	3.72 3.16 2.69 4.27 3.14	1.09 42 50 .39 48	2.10 2.43 2.04 1.57 3.18	-1.56 -1.31 -1.42 -2.31 31	6.83 5.41 7.96 6.39 11.26	2.57 1.43 4.08 2.12 7.49	2.63 6.58 2.77 6.60 .84	-1,09 1.18 98 1.98 -3.43	1.72 5.18 .58 5.24 1.36	-1.65 .42 -3.46 .65 -3.35	1.97	-1.62 -1.67 -1.24 60 99	.78 1.58 1.16 2.06 1.97	-1.62 -2.25 -2.11 -1.04 -1.10	3.92 5.28 4.94 4.44 6.09	1.60 1.99 2.56 1.58 3.47	4.01 5.28 4.86 5.75 4.00	1.23 2.13 2.04 2.84 .78	39.42 43.83 38.07 41.80	3.3 9 .0
KONARDTOWN 4 SSW ISBON OCE RAVEN DAM UKE ERRILL	1.23 2.38 4.16 2.57	-1.83 -1.17 .51	1.99 3.53 4.71 3.00	93 .82 - 1.21		-1.52 71 39	3.12 3.05 3.96 2.82	.06 80 09	2,53 2,90 3,07 3,14 2,89	70 98 78	6.10 9.39 6.22 6.53 6.67	2.43 5.30 2.56	5.80 1.84 2.13 2.30 5.10	1.16 -2.43 -1.34	4,16 .81 .78 1.19 1.24	.06 -3.74 -2.51	2.02 2.17 5.16 1.29 1.89	30 -1.67 -1.61	2.29 1.62 2.37 .86 1.43	92 -2.23 -1.58	4.95 6.05 4.83 2.77	2.11 2.78 .35	3.79 5.90 5.25 3.34 4.71	.94 2.84 1.19	40.53 42.47 45.99 33.90	- 1.9 7
IDDLE RIVER ILLINGTON ATIONAL AREORETUM EW GERMANY AKLAND	2.62 2.47 2.42 4.05	-1.22 - -	3.08 3.21 2.68 3.65 2.61	.03	2.75 3.22 3.00 4.51 5.23	59 1.20	3.30 2.88 3.57 4.36 4.30	70 10	3.98 4.25 2.85 1.61 3.64	.83 82	8.64 4.17 11.14 8.43 7.64	.53 2,93	3.20 4.74	-1.56 -1.21	1.17 .49 3.26 1.31 2.48	-4.31 -1.88	1.05 2.17 3.04 2.25 1.81	-1.34 -1.43	3.01 2.56 1.57 1.57 1.66	40 -1.60	5.88 5.70 4.17 4.29 4.84	2,88	4.78 5.31 3.41 5.55 6.98	1.82 - 3.26	43,46 39,40 44,31 46,32	- 4.0
CEAN CITY WINGS FERRY LANDING STORD ICARDY	1.49 1.53 1.89 3.67 3.17	-2.14 -1.28 .29	1.73 2.71 2.19 3.87 3.15	.03 20 1.11 1.17	1.93 2.93 2.02 3.90 4.77	42 -1.12 .40 1.81	1.96 2.98 3.15 2.69 3.81	86 .05 82 .38	.81 2.49 2.50 3.02 ·2.69	-1.92	6.25 5.96 4.59 5.65 6.70	2.43 .80 1.32 3.08	3.70 6.82	- 22 -1.81 2.13 - 86	2.71 3.96 2.54 .64 1.60	-1.64 -3.36	1.00 2.58 4.52 1.51 1.67	-1.34 1.40 -1.53 -1.17	1.80 1.95 3.26 2.64 1.05	.06 48	5.00 5.89 5.59 6.12 3.24	2.96 2.62 3.03	3.28 5.17 5.02 4.90 3.81	2.27 2.22 1.65 1.42	28,91 42.77 40.97 45.43 38,16	3
PIKESVILLE OCCMORE CITY PRETON 1 S PRETTBOY DAK PRINCESS ANNE	3.49 1.90 1.61	-1.13 -1.86	4.59 1.85 2.21 - 2.38	-1.62 - -1.02	2.54	64 -1.06 99	5.06 3.16 3.46 3.54 3.04	24 11 45	3.86 4.46 3.02 1.74 4.59	1.54 -2.45 1.36	10.01 6.01 4.72 6.17 6.57	2.50 2.20 2.84	3.06 1.56 2.89 3.71 3.41	-2.54 55 -1.28	2.85 1.96 3.56 4.38	-1.44	2.36 3.52 4.51 3.52 4.40	.37 40 1.06	2.37 2.66 1.85 2.45 2.51	68 -1.24 68	1	3.43 2.87 1.86	1	1.01 2.51 1,29	41.06 39.68 44.31	:
ARDALLSTOWN POL BR IDGELY IVEEDALE OCK HALL 3 N	2.81 1.99 2.39 2.53 2.53	-1.38 99	4.24 2.23 2.78 2.76 2.48	80	2.95 2.47 2.83 2.48 2.39	-1.13 -1.04	3.55 3.42 3.71 3.68 3.25	.07	2.87 2.38 3.01 3.56 2.17	-1.33	8.72 4.09 9.54 8.56 11.34	.28 5.09	3.14 4.50 2.09 3.73 1.28	- 10 -1.04	.19 1.31 3.51 1.05	-3.39 -3.77	3.24 3.71 3.69 .93 1.52	.23 -2.68	2.03 3.72 1.57 2.21 1.39	.74 71	4.89	3.80	4.19 5.70 4.55 5.52 3.64	2.61	43.33 42,12 45.14 43,14 37,58	4 5 -
OYAL OAK ALISBURY ALISBURY POLICE BR ALISBURY CAA AIRPORT ALISBURY U S G S	2.24 1.47 1.23 1.68 1.53	-2.28 - - -	2.76 2.11 2.35 2.11 2.32	-1.03	2.70 2.56 2.92 2.71 2.66	-1.32 - - -	3.78 2.50 2.47 2.43 2.57	94 -	2.44 3.84 3.37 3.55 3.55	.15	4.77 6.14 5.34 6.16 5.79	2.40	4.24 2.83 1.97 4.13 2.76		2.57 5.53 2.94 3.68 4.55	-	4.78 4.00 3.01 4.19 3.04	.12	3.05 2.42 2.29 2.37 2.01	-	5.71 5.54 5.67 4.35 5.75	2.66	5.27 3.79 4.20 4.41 4.38	,56 - - -	45.31 42.73 37.76 41.77 40.91	-
AVAGE RIVER DAM HALLMAR HARPTOWN R ILIVER BILL OBS	3.04 4.04 2.07 5.11	1,33	3.26 3.93 2.36 - 4.05	58	3.62 4.01 - 4.44	- - - .17	3.97 5.30 2.82 - 4.85	- - . 49	3.15 2.91 3.06 - 3.28	-1,20	7.79 9.36 4.29 7.68	2,75	3.42 1.63 3.62 3.35	- 1	2.02 1.67 - 3.23	-	1.82 1.46 7.29	-	1.21	- - -1.50	3.59 3.58 - 4.75	1.59	5.12 - 4.92 6.14	2.60		=
SNOW HILL 1 ME SOLOMONS PARCHA PARK MISS AV PONOLOWAY POWSON	1.88 1.47 2.55	-1.97 -1.63 33	E1.97 1.99 2.58 3.80 3.93	-1.47 86 .05 1.78	3.48 2.03 2.70 5.99 3.36	59 -1.26 64 2.96 27	2.97 4.36 3.84 3.84 4.76	71 1.19 .84 .32	4.19 2.73 2.83 1.62 3.51	-2.00	6.69 5.36 10.96 5.70 7.01	1.58	1.37	.50 .43 -3.35 -1.36 -1.34	3.01	-1.50 1.91 -1.57 -2.43 -2.89	6.36 3.84 2.81 1.50 2.67	.87 -1.01 -1.54	2.86 1.93 1.47 .77 2.44	-2.01	3.13	2.76 2.14 1.21 .74 3.04	4.98 3.66 4.90 5.30	1.47 .91 1.87	43.79	4.3

See reference notes following Station Inde

Table 2-Continued

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

	Jan	uary	Febr	uary	Mai	ċh	Āр	ril	Ma	ъy	Ju	ne	Ju	ly	Aug	rust	Septe	mber	Octo	ber	Nove	mber	Decer	nber	Ann	ual
Station	Precip	Departure	Precip	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Prectip.	Departure	Precip.	Departure	Precip.	Departure	Prectip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure
UNIONVILLE US SOLDIERS HOME DC VIENNA VIERS MILL WALDORF POLICE BRKS	2.47 1.71 1.75 2.65 1.70	-	3.51 3.09 2.63 2.56 3.29	-	2.76 2.78 3.62 3.61 2.97		3.00 3.79 2.86 4.23 3.39	-	1.87 2.23 2.16 2.58 2.58		7.79 8.81 4.77 10.20 6.01	11111	3.90 3.42 4.14 1.61 2.85	-	4.25 3.78 2.95 1.12 4.81	-	1.69 3.84 3.53 1.43 2.61	-	1.55 1.60 2.38 1.69 1.73		5.11 5.18 3.78 5.70 5.83	-	4.03 4.52 5.06 4.68 5.38	-	41.93 44.75 39.64 42.06 43.15	=
WASHINGTON WB CITY R WATERLOO POLICE BRK WEST LANHAM HILLS WESTERN PORT WESTMINSTER	2.42 2.54 2.46 3.48	_	3.88 2.83 3.07	70 - .77 .55	4.24 2.68 3.69	58 - .68 93	3.93 5.11 3.15 4.02 3.40	.66 - .90 05	3.23 3.78 - 3.23 2.88	47 - 44 86	9.28 9.87 8.95 5.28 7.01	1,29	3.22 3.49 2.82	- 89		-2,46	3.79 2.11 .28	-1.33 -2.54 -1.78	1.86 2.02 .41	-2.18	6,14 3.55	1,46	3.59	1.45 - .94 1.38	42.47	3.50
WHALEYSVILLE WHITE HALL WILLIAMSPORT WOODSTOCK COLLEGE	1.38 3.35 2.49 3.21	- 16 08		- 1.93 .08		- . 26 58		- . 88 . 28	1.88 2.27 2.65 2.93		5.70 7.38 8.24 8.33			-1.33			3.38 1.86 2.73	94 82	1,85		5.38	1.65 2.54	4.71 4.80 4.71	1.65 1.68	47.01 40.18 41.45	.8: .2:
STATE AVERAGE DELAWARE	2.39	94	3.04	.12	3,14	40	3.55	.11	2.84	84	7.59	3.56	3.33	97	2.31	-2.10	2.51	88	1.96	-1.04	5.38	2.68	4.73	1.56	42.77	.86
BRIDGEVILLE CLAYTON DELAWARE CITY REEDY PT DOVER GEORGETOWN	1.30 - 2.50 2.26 1.45	-2.31 60 -1.27	-	-1.40 -1.36 .05	-	-1.40 55 90	3.37	32 01 -1.15	2,55 3,30 4,28 4,76	-1.17 -77 .95	2.85	2.48 44 .02	4.51 5.44	1.71	2.80 4.10 1.64 3.00 2.20	-1.88 -2.79 -1.87	3.92 - .88 2.89 3.61	.55 -2.59 79	3.09 1.91 3.17 3.89 2.84	03 .39 .99	6.08	3.49	5.37	1.86 2.08 2.89	44.88 42.98 48.14	2.8
LEWES MILFORD MILLSBORO NEWARK COLLEGE FARM BMYRMA	1.88 - 1.61 3.62 2.26	-2,26 .47		23 .89	3.55	- 55 .71	2.40 2.01 2.47	-1.64 98	3.41 2.77 4.05	- 83 26	5.11 4.87 3.76 4.33	1,18 08 .60	3.84	3.82	3.72 6.60 2.61	-	2.72	-1.45 96 -1.87	3.16 1.86 2.65 2.68	-1.44 89 41		~	4.55 6.62 4.65 5.82	3.08 1.02 2.24	41.11	-
WILMGTON NCASTLE WB AP WILMINGTON CITY HALL WILMINGTON PORTER RVR	3.64 3.73 3.75	. 21 . 21		43	3.76 4.29 4.13	- . 70 . 35		- 84 -1.30	3.56 3.59 4.00	- 15 .22	4.27 4.30 4.51	- .30 .46	3.84 2.51 3.37	-2.20 -1.42			1.16 1.91 1.60	-1.55 -2.02	3.17 2.96 2.76		7.32 7.57 7.47		5.79 5.74 6.00	2.29 2.70	45.26 44.19 44.22	01
STATE AVERAGE	2.43	-1.12	2.99	22	3.46	35	2.63	85	3.63	02	4.45	.64	4.94	. 24	3.13	-1.65	2.29	-1.15	2.83	28	6.47	3.52	5.38	1.96	44.63	.72
SECTION AVERAGE	2.39	97	3.04	.09	3.17	40	3.47	.03	2.91	77	7.29	3,29	3.50	85	2.34	-2.11	2.49	90	2.05	97	5,48	2.75	4.79	1.59	42.92	. 78

Station	hest	Date	Lowest	Date	Last	spring minimum	a of	Fi	rst fall minimum	of		No. of days petween dates	
Station	High	Date	Lowest	Date	24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
MARYLAND BERDEEN PHILLIPS FLD NNAPOLIS USN ACADEMY NNAPOLIS WATER WORKS AGILTIMORE SLEDDS PT ALLTIMORE WB AP	93 93 96 96 96	7-27+ 7-22 7-27 7-22+ 7-22+	8 12 - 5 5	12-17 2- 8+ - 12-17 12-17	3-27 (23°) 2-11 (22°) 2-16 (24°) 3-27 (24°)	3-27 (23°) 3-27 (26°) 3-27 (26°) 3-27 (24°)	3-27 (23°) 3-27 (26°) 4-21 (29°) 4-18 (32°) 4-18 (32°)	11-3 (25°) 11-3 (30°) 9-29 (30°) 11-4 (23°) 11-3 (25°)	11-3 (25°) 11-19 (26°) 11-3 (24°) 11-4 (23°) 11-3 (25°)	11-4 (22°) 12-14 (23°) 11-3 (24°) 11-4 (23°) 11-4 (22°)	222 306 261 222	221 237 - 222 221	221 221 161 200 199
MALTIMORE WE CITY MALTIMORE PARKVILLE BELTSVILLE BELTSVILLE PLT IND STA I BELTSVILLE PLT IND STA 2	96 95 95 95 95	8-16 7-22+ 6- 3+ 7-23 7-23	12 6 - 1 - 2 - 4	2- 3+ 12-17 12-17 12-17 12-17	2-11 (23°) 3-22 (24°) 3-27 (17°) 4-18 (24°) 4-18 (24°)	3-22 (27°) 3-27 (27°) 4-21 (28°) 4-21 (28°) 4-21 (27°)	3-26 (31°) 3-27 (27°) 4-24 (30°) 4-24 (30°) 4-24 (29°)	11- 3 (31°) 11- 2 (31°) 10-26 (31°) 10-26 (30°) 9-29 (31°)	11-18 (28°) 11-4 (20°) 11-4 (18°) 11-4 (17°) 11-4 (17°)	12-14 (24°) 11-4 (20°) 11-4 (18°) 11-4 (17°) 11-4 (17°)	306 227 222 200 200	241 222 197 197 197	222 220 185 185 158
BELTSVILLE PLT IND STA 3 BELTSVILLE PLT IND STA 4 BELTSVILLE PLT IND STA 5 BELTSVILLE PLT IND STA 6 BENSON POLICE BRES	96 95 96 96 97	7-23 7-23+ 7-23 7-23+ 7-27	- 1 - 3 - 3 2	12-17 12-17 12-17 12-17 12-17	3-27 (19°) 3-27 (22°) 4-18 (24°) 3-27 (17°) 3-27 (21°)	4-18 (26°) 3-27 (22°) 4-21 (27°) 4-18 (27°) 3-27 (21°)	4-24 (32°) 4-18 (30°) 4-24 (29°) 4-18 (27°) 4-21 (32°)	10-26 (32°) 11- 3 (31°) 8-29 (31°) 11- 4 (19°) 11- 4 (19°)	11-4 (17°) 11-4 (19°) 11-4 (18°) 11-4 (19°) 11-4 (19°)	11- 4 (17°) 11- 4 (19°) 11- 4 (18°) 11- 4 (19°) 11- 4 (19°)	222 222 200 222 222	200 222 197 200 222	185 199 127 200 197
DENTLEY SPRINGS ERLIN ERTESDA NAT INST HLTH LACKWATER REFUGE RIGHTON DAM	91 - 94 94 95	7-27 - 6- 2+ 7-23+ 7-22+	- 4 - 0 10 - 5	12-17 - 12-17 2 9 12-17	3-27 (18°) - 3-27 (22°) 3-27 (24°) 4-18 (23°)	4-18 (27°) 3-27 (22°) 3-27 (24°) 4-21 (28°)	5-14 (32°) 	9-29 (32°) 11-3 (29°) 10-26 (30°) 11-4 (16°) 9-29 (32°)	11- 3 (27°) 11- 4 (25°) 11- 3 (28°) 11- 4 (16°) 11- 4 (17°)	11-4 (17°) 11-19 (23°) 11-4 (19°) 11-4 (16°) 11-4 (17°)	222 222 222 200	199 221 222 197	138 - 188 200 158
ROOKSIDE MANOR AMBRIDGE 5 W HARLOTTE HALL HELTENHAM HESTERTOWN	97 96 95 95 95	7-22 8-16 7-23 6- 3 7-27+	10 6 3 10	12-17 2- 9+ 12-17 12-17 2- 9	3-27 (23°) 3-27 (23°) 2-11 (22°) 3-27 (22°) 2-16 (22°)	3-27 (23°) 3-27 (23°) 3-27 (25°) 4-18 (28°) 3-27 (26°)	3-27 (23°) 4-18 (31°) 4-21 (32°) 3-27 (26°)	11- 4 (21°) 11- 4 (26°) 11- 4 (24°) 11- 4 (22°) 11- 3 (28°)	11- 4 (21°) 11- 4 (26°) 11- 4 (24°) 11- 4 (22°) 11- 3 (28°)	11-4 (21°) 11-21 (24°) 11-4 (24°) 11-4 (22°) 11-21 (20°)	222 239 266 222 278	222 222 222 200 221	222 200 197 221
HEWSVILLE BRIDGEPORT LEAR SPRING OLEMAN OLLEGE PARK U OF MD. ONOWINGO DAM	95 97 96 96 93	6- 3+ 6- 3+ 7-27+ 7-22 8-30	- 8 - 1 10 3 4	12-17 12-17 2- 9 12-17 12-17	3-27 (21°) 3-27 (22°) 3-22 (24°) 3-27 (21°) 3-27 (20°)	4-18 (28°) 3-27 (22°) 3-27 (26°) 4-21 (28°) 3-27 (20°)	4-24 (32°) 4-18 (31°) 3-27 (26°) 4-24 (32°) 4-21 (32°)	10-13 (32°) 11- 3 (30°) 11- 4 (25°) 11- 3 (30°) 11- 3 (26°)	11- 4 (23°) 11- 4 (26°) 11- 4 (25°) 11- 4 (19°) 11- 3 (26°)	11- 4 (23°) 11- 5 (22°) 11-21 (24°) 11- 4 (19°) 11- 4 (23°)	227 223 244 222 222	200 222 222 197 221	172 199 222 193 196
ONOWINGO POLICE BRES RISPIELD CUMBERLAND CUMBERLAND POLICE BRES DISTRICT HEIGHTS	96 93 98 102 95	7-31 7-23+ 8-31 6- 2 6- 2+	2 15 - 5 - 7	2- 9 2- 8+ 12-17 - 12-17	3-27 (17°) 2-11 (23°) 3-27 (21°) 4-18 (24°) 2-11 (23°)	4-18 (27°) 2-11 (23°) 4-18 (26°) 4-21 (27°) 3-27 (25°)	4-24 (30°) 3-27 (31°) 4-24 (32°) 4-25 (32°)	9-29 (31°) 11- 4 (31°) 9-29 (32°) 9-29 (28°)	11-4 (21°) 11-21 (24°) 11-3 (25°) 9-29 (28°)	11- 4 (21°) 11-21 (24°) 11- 4 (21°) 11- 3 (20°)	222 283 222 199	200 283 199 161	158 222 158 157
OUNDALK EASTON POLICE BRKS TLKTON EMMITSBURG PALLSTON	95 97 94 - 92	7-27+ 7-23 7-27 - 8-16	12 7 4 2 1	2- 8+ 12-17 12-17 2- 3 12-17	2-16 (24°) 3-11 (24°) 3-27 (20°) 3-27 (24°) 3-27 (23°)	3-27 (28°) 3-27 (25°) 3-27 (20°) 3-27 (24°) 4-18 (26°)	3-27 (28°) 3-27 (25°) 3-27 (20°) 4-18 (31°) 4-18 (26°)	11- 4 (25°) 11- 4 (26°) 11- 3 (32°) 11- 3 (26°) 11- 3 (30°)	11- 4 (25°) 11- 4 (26°) 11- 4 (22°) 11- 3 (26°) 11- 4 (19°)	11-21 (24°) 11-22 (21°) 11- 4 (22°) 11- 4 (22°) 11- 4 (19°)	278 256 222 222 222	222 222 222 221 200	222 222 221 199 199
ORT GEORGE G. MEADE REDERICK POLICE BRKS REDERICK WB AP RIENDSY LLLE ROSTBURG	95 96 96 92 91	6- 2+ 7-27+ 7-23+ 6- 3 6- 3	- 3 - 0 - 5	12-17 12-20 - 2- 3	3-27 (15°) 3-27 (21°) 3-27 (19°) 4-20 (24°) 3-27 (21°)	4-24 (27°) 3-31 (27°) 4-18 (28°) 4-24 (28°) 4-18 (23°)	5-14 (31°) 4-20 (32°) 4-24 (32°) 5-14 (31°) 4-24 (30°)	10- 9 (32°) 10- 9 (32°) 10-26 (32°) 9-28 (32°) 9-29 (30°)	11- 4 (18°) 11- 4 (19°) 11- 4 (21°) 9-29 (25°) 11- 3 (18°)	11-4 (18°) 11-4 (19°) 11-4 (21°) 10-26 (24°) 11-3 (18°)	222 222 222 189 221	194 218 200 158 199	148 172 185 137 158
ERMANTOWN LLENN DALE BELL STA FRASONVILLE FREENBELT LAGERSTOWN	95 95 94 95 95	8-10 7-22 6-24+ 6- 3+ 7-31	1 - 1 - 1 2	12-17 12-17 - 12-17 2- 3	3-27 (24°) 3-27 (18°) 3-27 (24°) 3-27 (17°) 3-26 (21°)	3-27 (24°) 4-21 (28°) 3-27 (24°) 4-21 (28°) 3-27 (23°)	4-18 (29°) 4-24 (31°) 3-27 (24°) 4-24 (30°) 4-18 (31°)	11- 3 (32°) 9-29 (31°) 11- 4 (24°) 10-26 (32°) 9-30 (30°)	11- 4 (22°) 11- 4 (18°) 11- 4 (24°) 11- 4 (18°) 11- 3 (27°)	11- 4 (22°) 11- 4 (18°) 11- 4 (24°) 11- 4 (18°) 11- 4 (23°)	222 222 222 222 222 223	222 197 222 197 221	199 158 222 185 165
ANCOCK FRUIT LAB UNTINGTOWN EERTYSVILLE A PLATA AUREL 3 W	97 96 100 97	6- 4+ 7-23 8-10 6- 2+	-18 6 -10 5 8	12-17 12-17 12-17 12-17 2-8+	4-18 (23°) 3-10 (24°) 4-18 (23°) 3-26 (22°)	4-24 (27°) 3-27 (28°) 4-18 (23°) 4-18 (26°)	5-14 (31°) 4-18 (32°) 4-24 (31°) 4-20 (31°)	9-29 (29°) 11-4 (25°) 9-29 (32°) 11-2 (32°)	10-10 (27°) 11-4 (25°) 11-3 (28°) 11-4 (23°)	11-4 (20°) 11-19 (24°) 11-4 (22°) 11-4 (23°)	200 254 200 223	169 222 199 200	138 200 158 196
ECNARDTOWN 4 SSW ISBON HDDLE RIVER HLLINGFON EW GERMANY	97 95 93 97 88	7-23 7-22+ 7-22+ 9- 1 6- 4	9 3 11 6 -15	12-17 12-17 12-17 12-17 12-17	3-27 (23°) 3-27 (20°) 2-16 (23°) 3-27 (20°) 4-18 (19°)	3-27 (23°) 3-27 (20°) 3-22 (28°) 3-27 (20°) 4-18 (19°)	4-21 (32°) 4-24 (32°) 3-27 (29°) 4-18 (30°) 5-14 (29°)	11-4 (25°) 9-29 (32°) 11-4 (27°) 11-4 (23°) '9-24 (31°)	11- 4 (25°) 11- 3 (25°) 11- 4 (27°) 11- 4 (23°) 9-30 (28°)	11-21 (20°) 11- 4 (17°) 11-20 (23°) 11- 4 (23°) 11- 3 (22°)	239 222 277 222 199	222 221 227 222 165	197 158 222 200 133
AKLAND CEAN CITY WINGS PERHY LANDING SYFORD ICARDY	89 92 99 90 96	6- 3 6-25 7-23 7-23 7-22+	- 8 14 7 12 - 2	12-17 2- 9 2- 9+ 2- 9 2- 3	4-24 (24°) 2-11 (21°) 3-27 (24°) 2-11 (21°) 3-27 (20°)	4-24 (24°) 3-27 (28°) 3-27 (24°) 3-22 (28°) 4-18 (27°)	5-14 (28°) 3-27 (26°) 4-18 (31°) 3-22 (28°) 4-21 (32°)	9-24 (32°) 11-4 (32°) 11-4 (25°) 11-4 (27°) 9-29 (32°)	9-29 (23°) 11-19 (26°) 11-4 (25°) 11-4 (27°) 10-10 (28°)	9-29 (23°) 11-21 (24°) 11-19 (24°) 11-21 (24°) 11-4 (19°)	158 283 237 283 222	158 237 222 227 175	133 222 200 227 161
PIKESVILLE POCOMOKE CITY PRESTON 1 S PRETTYBOY DAM PRINCESS ANNE	99 98 95 93 95	8-16 7-23 6-24+ 7-22 6-24+	6 12 8 - 4	2- 8+ 12-17 2- 9 12-17	3-26 (24°) 3-27 (23°) 3-27 (22°) - 3-27 (18°)	3-26 (24°) 3-27 (23°) 3-27 (22°) 4-18 (25°)	4-18 (30°) 4-18 (30°) 4-18 (31°) 4-18 (30°) 4-28 (30°)	11- 4 (22°) 11- 4 (25°) 11- 4 (25°) 11- 2 (32°) 9-30 (31°)	11- 4 (22°) 11- 4 (25°) 11- 4 (25°) 11- 4 (20°) 11- 4 (22°)	11-4 (22°) 11-21 (20°) 11-21 (20°) 11-4 (20°) 11-4 (22°)	223 239 239 239 - 222	223 222 222 200	200 200 200 198 155
RANDALLSTOWN POLICE BRKS RIDGELY RIVERDALE ROCK HALL 3 N ROCKVILLE	94 95 96 93 93	8-16 6-24+ 6- 2+ 7-23+ 7-22+	11	12-17 2- 8+ - 2- 4+ 12-16+	3-26 (24°) 2-11 (18°) 3-27 (20°) 3-27 (23°) 3-11 (24°)	3-27 (26°) 3-27 (26°) 4-18 (26°) 3-27 (23°) 3-27 (25°)	4-18 (29°) 3-27 (26°) 4-24 (31°) 3-27 (23°) 4-18 (32°)	11-2 (31°) 11-4 (25°) 10-13 (32°) 11-4 (24°) 11-3 (32°)	11-4 (17°) 11-4 (25°) 11-4 (19°) 11-4 (24°) 11-4 (24°)	11-4 (17°) 11-21 (20°) 11-4 (19°) 11-4 (24°) 11-4 (24°)	223 283 222 222 238	222 222 200 222 222	198 222 172 222 199
ROYAL OAK HALISBURY HALISBURY POLICE BRKS HALISBURY CAA AP HALISBURY U.S.G.S	95 96 97 95 97	7-23 7-23 7-23+ 6-24+ 7-24	10 10 - 8 11	2-9 12-17 - 12-17 12-17	2-11 (22°) 3-27 (22°) 3-27 (19°) 3-27 (20°) 3-27 (22°)	3-27 (26°) 3-27 (22°) 3-27 (19°) 3-27 (20°) 3-27 (22°)	3-27 (26°) 3-27 (22°) 4-21 (31°) 4-18 (32°) 4-18 (32°)	11-4 (26°) 11-4 (25°) 11-4 (22°) 11-3 (26°) 11-4 (25°)	11-4 (26°) 11-4 (25°) 11-4 (22°) 11-3 (26°) 11-4 (25°)	11-21 (21°) 11-21 (20°) 11- 4 (22°) 11- 4 (23°) 11-21 (20°)	283 239 222 222 239	222 222 222 221 221 222	222 222 197 199 200
AVAGE RIVER DAM SINES DEEP CREEK SNOW HILL 1 NE SOLOMONS AKOMA PARK MISS AVE.	90 95 93 95	7-12 7-23+ 6-24+ 6-24	- 7 . 9 13 5	- 12-17 2- 9 2- 8 12-17	4-18 (22°) 3-27 (21°) 2-10 (22°) 3-27 (24°)	4-21 (25°) 3-27 (21°) 3-10 (28°) 3-27 (24°)	5-14 (31°) 4-18 (31°) 3-27 (31°) 4-18 (30°)	10-1 (30°) 10-9 (30°) 11-4 (22°) 11-18 (32°) 11-3 (31°)	10-10 (28°) 10-10 (27°) 11-4 (22°) 11-19 (27°) 11-4 (22°)	11- 5 (16°) 11- 3 (16°) 11- 4 (22°) 12-16 (16°) 11- 4 (22°)	199 222 309 222	172 222 254 222	148 200 236 199
CONOLOWAY COWSON UNIONVILLE VIENNA VIERS MILL	9.8 95 95 96 94	9- 1 7-28 7-22+ 7-23 6- 2+	11	12-17 12-17 12-17 12-17	3-27 (18°) 3-27 (19°) 4-18 (20°) 3-27 (24°) 3-27 (20°)	4-21 (28°) 3-27 (19°) 4-21 (27°) 3-27 (24°) 4-18 (25°)	4-24 (29°) 3-27 (19°) 5-14 (32°) 3-27 (24°) 4-21 (29°)	9-29 (30°) 11- 3 (31°) 9-29 (32°) 11- 4 (28°) 9-29 (32°)	10-13 (28°) 11-4 (18°) 11-4 (19°) 11-4 (28°) 11-4 (18°)	11-6 (22°) 11-4 (18°) 11-4 (19°) 11-21 (20°) 11-4 (18°)	224 222 200 239 222	175 222 197 222 200	158 221 138 222 161
ALDORF POLICE BRKS ATERLOO POLICE BRKS VEST LANHAM HILLS VESTERN PORT VESTMINSTER	97 96 97 100 94	6- 4+ 7-27 7-22 6- 3 7-27+	3 - 7	12-17 12-17 12-17 12-17	3-27 (24°) 3-27 (22°) 3-27 (23°) 3-27 (20°) 3-26 (22°)	4-18 (26°) 3-27 (22°) 3-27 (23°) 4-18 (26°) 4-18 (28°)	4-21 (30°) 4-21 (31°) 4-18 (27°) 4-21 (29°) 4-18 (28°)	11-3 (32°) 11-2 (30°) 11-3 (29°) 9-29 (32°) 11-3 (29°)	11-4 (22°) 11-4 (20°) 11-4 (21°) 11-3 (28°) 11-4 (20°)	11- 4 (22°) 11- 4 (20°) 11- 4 (21°) 11- 4 (21°) 11- 4 (20°)	222 222 222 222 222 223	200 222 222 199 200	196 195 199 161 199

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE 1951

Table 3-Continued.

Station	Highest	Date	Lowest	Date	La	st spring minimus	n of	F	irst fall minimum	of	No. of days between dates				
Station	Hig	Date	Lowesi	Date	24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below		
WHALEYSVILLE WOODSTOCK COLLEGE DISTRICT OF COLUMBIA	_ 96	- 8-16+	-0	- 12-17	3-27 (20°) 3-27 (18°)	3-27 (20°) 4-18 (26°)	4-24 (32°) 4-24 (31°)	9-29 (32°)	11- 4 (17°)	11- 4 (17°)	222	200	158		
BRIGHTWOOD DALECARLIA RESV WAT IONAL ARBORSTUM U.S. SOLDIERS HOME WASHINGTON WB CITY DELAWARE	95 95 97 95 96	6- 3+ 7-22+ 6- 2+ 6- 3+ 6- 2+	10 4 7 8 10	2- 8 12-17 12-17 2- 8+ 12-17	2-11 (24°) 3-27 (24°) 3-27 (24°) 3-22 (24°) 2-10 (21°)	3-22 (27°) 3-27 (24°) 3-27 (24°) 3-22 (24°) 3-22 (27°)	3-27 (29°) 4-18 (31°) 4-18 (32°) 3-27 (27°) 3-27 (30°)	11- 4 (26°) 11- 4 (23°) 11- 5 (22°) 11- 3 (32°) 11- 3 (31°)	11- 4 (26°) 11- 4 (23°) 11- 5 (22°) 11- 4 (24°) 11-18 (28°)	11-21 (22°) 11- 4 (23°) 11- 5 (22°) 11- 4 (24°) 11-21 (23°)	283 222 223 227 284	227 222 223 227 241	222 200 201 221 221		
BRIDGEVILLE CLAYTON DELAWARE CITY REEDY PT. DOVER GEORGETOWN	94 98 92 94 96	7-23 8-13 7-27 7-27 7-23	7 - 5 7 5	12-17 	3-27 (20°) 	3-27 (20°) - 3-27 (27°) 3-27 (25°) 4-18 (27°)	4-24 (32°) 4-18 (31°) 3-27 (27°) 3-27 (25°) 4-24 (30°)	11- 4 (23°) 11- 4 (19°) 11- 3 (31°) 11- 4 (25°) 10-26 (32°)	11- 4 (23°) 11- 4 (19°) 11- 4 (24°) 11- 4 (25°) 11- 4 (22°)	11-4 (23°) 11-4 (19°) 11-4 (24°) 11-21 (22°) 11-4 (22°)	222 - 238 278 222	222 222 222 200	194 200 221 222 185		
LEWES MILFORD MILLSBORD NEWARK COLLEGE FARM WILMINGTON NEASTLE WB AF WILMINGTON PORTER RESV.	94 - 94 93 94	8- 1 	10 7 5 1 6	1- 9+ 12-17 12-17 12-17 12-17	3-27 (21°) 3-27 (17°) 3-27 (19°) 3-27 (22°) 3-27 (24°)	3-27 (21°) 3-27 (17°) 3-27 (19°) 3-27 (22°) 3-27 (24°)	4-24 (32°) 4-24 (31°) 4-24 (32°) 3-27 (22°) 3-27 (24°)	11- 3 (31°) 11- 4 (22°) - 11- 4 (19°) 11- 3 (27°) 11- 3 (26°)	11- 4 (23°) 11- 4 (22°) 11- 4 (19°) 11- 3 (27°) 11- 3 (26°)	11- 4 (23°) 11- 4 (22°) - 11- 4 (19°) 11- 4 (24°)	222 - 222 222 222	222 - 222 221 221	193 - 194 -221		

TOTAL EVAPORATION AND WIND MOVEMENT

MARYLAND AND DELAWARE 1951

Station	·	, Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Annual
BELTSVILLE	EVAP	_	_	-	_	4.46	B5.94	B7.77	6.48	4.97	3,54	_	-	-
	DEP WIND	-	-	=	_	1.70 988	52 864	.63 1059	.29	.23 1227	.25 1210	- -	-	-
SALISBURY U.S.G.S.	EVAP	_	-	4.07	5.36	6.86	6.43	B7.49	6.55	4.90	3.03	-	В .93	-
	WIND	-	=	2745	2229	1931	1440	1351	1194	1056	1872	-	_	-
SAVAGE RIVER DAM	EVAP	-	-	-		-		* BV10.94 B5.78 - * -	-	-	_			
	DEP	-	-	_	-	_	-	v 2146	- 685	-	V1871	-	-	

Station	o				ē	а	1	ers o	or	penec close ring y	d	er		ó		+#			1		ars of	or c	ened losed ng yr.	Refer
	Index No.	County .	Drainage	Latitude	Longitude	Elevation	Temp.	Precip.	Evap. Month	Month	to table		Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Temp.	Precip.	<u> </u>	Month	to tables
MARYLAND												\neg										1		
ABERDEEN PHILLIPS FIELD ANNAPOLIS US NAVAL ACADEMY ANNAPOLIS WATER WORKS BALTIMORE SLEDDS POINT BALTIMORE WB AIRPORT	0185 0193 0460	HARFORD ANNE ARUNDEL ANNE ARUNDEL BALTIMORE BALTIMORE	1 1 1	39 28 38 59 38 59 39 12 39 11	76 10 76 29 76 34 76 34 76 40	62 40 10 135 146	33 86 1 3 17	33 86 1 3	APR		1 2 1 2 1 2 1 2 1 2	3 3	MILLINGTON NEW GERMANY DAKLAND	5985 6408 6620	BALTIMORE KENT GARRETT GARRETT WORCESTER	7 9	39 18 39 15 39 38 39 24 38 29	76 24 75 50 79 07 79 24 75 05	15 27 2490 2420 17	54 3 54 3	54 3 54 3			1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
BALTIMORE WB CITY BALTIMORE PARKVILLE BELTSVILLE BELTSVILLE PLT IND STA 1 BELTSVILLE PLT IND STA 2	0475	BALTIMORE BALTIMORE PRINCE GEORGE PRINCE GEORGE PRINCE GEORGE	1 7	39 17 39 23 39 02 39 02 39 02	76 37 76 32 76 53 76 56 76 56	305 120 160 136	81 4 14 3 3	81 4 14 3 3	11		1 2 1 2 1 2 1 2 1 2	3 4	OXFORD PATUXENT RIVER PERRY POINT	6785 6915 6980	CALVERT TALBOT ST MARYS CECIL ALLEGANY	1 2 1	38 41 38 42 38 17 39 33 39 33	7.6 41 76 10 76 24 76 04 78 30	120 10 74 40 1030	35 15 25	35 15 8 11 25			1 2 3 1 2 3 2 2 1 2 3
BELTSVILLE PLT IND STA 3 BELTSVILLE PLT IND STA 4 BELTSVILLE PLT IND STA 5 BELTSVILLE PLT IND STA 6 BELTSVILLE SCS R 1	0704 0705 0706	PRINCE GEORGE PRINCE GEORGE PRINCE GEORGE PRINCE GEORGE MONTGOMERY	7 7 7 7 7	39 02 39 02 39 01 39 01 39 03	76 56 76 56 76 57 76 57 76 57	200 265 100 215 309	3 3 3	3 3 3 2			1 2 1 2 1 2 1 2 2 2	3	POCOMOKE CITY †PRESTON 1 S PRETTYBOY DAM	7140 7310 7315	BALTIMORE WORCESTER CAROLINE BALTIMORE SOMERSET	1	39 23 38 04 38 42 39 38 38 12	76 43 75 34 75 55 76 42 75 40	500 16 50 780 17	4 3 21 3	3 3 21 3			1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
BENSON POLICE BARRACKS BENTLEY SPRINGS BERLIN BETHESDA BETHESDA BETHESDA NAT INST H	0737 0752 0795	HARFORD BALTIMORE WORCESTER MONTGOMERY MONTGOMERY	2	39 30 39 41 38 20 38 58 39 00	76 23 76 41 75 13 77 07 77 06	365 730 30 320 310	4 3 1	4 3 1 7	AUG	- 1	1 2 1 2 1 2 1 2 1 2	3	RIDGELY RIVERDALE TROCK HALL 3 N	7575 7615 7700	BALTIMORE CAROLINE PRINCE GEORGES KENT MONTGOMERY	7	39 23 38 57 38 58 39 11 39 05	76 50 75 53 76 56 76 14 77 09	625 67 50 440	61 6 38	61 6 38 4			1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
BLACKWATER REFUGE BRIGHTON DAM BROOKDALE BROOKSIDE MANOR BURNY MILLS RESERVOIR	1125 1170 1180	DORCHESTER MONTGOMERY MONTGOMERY PRINCE GEORGES MONTGOMERY	7	38 26 39 13 38 57 38 58 39 02	76 08 77 02 77 06 76 58 77 00	350 260 50 220	11 3 6	11 6 6 6			1 2 1 2 2 1 2	3	SALISBURY SALISBURY POLICE BRKS SALISBURY CAA AP	8000 8003 8005	TALBOT WICOMICO WICOMICO WICOMICO WICOMICO	1	38 43 38 22 38 25 38 20 38 22	76 11 75 36 75 34 75 30 75 35	10 10 42 46 30	45	4 45 4 4 2	2		1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
CAMBRIDGE 5 W CHARLOTTE HALL CHELTENHAM CHESTERTOWN CHEWSVILLE' BRIDGEPORT	1685 1710 1750	DORCHESTER ST MARYS PRINCE GEORGES KENT WASHINGTON		38 34 38 28 38 44 39 13 39 38	75 09 76 44 76 51 76 04 77 41	15 167 230 35 560	57 30 51 46 54	57 30 51 46 54			1 2 1 2 1 2 1 2 1 2	3 3 3	SHALLMAR SHARPTOWN SILVER HILL OBS	8065 8191 8210 8289 8315	GARRETT GARRETT WICOMICO PRINCE GEORGES GARRETT	7	39 31 39 23 38 33 38 50 39 31	79 08 79 12 75 43 76 57 79 25	1495 1700 10 291 2038	1 27	5 10 1 27	JAN		1 2 3 2 2 1 2 3 1 2 3
CLEAR SPRING †COCKEYSVILLE 2 NW COLEMAN COLLEGE PARK UNI OF MD COLLEGE PARK SCS	1960 1980 1995	WASHINGTON BALTIMORE KENT PRINCE GEORGES MONTGOMERY	1 7	39 40 39 30 39 21 38 59 39 03	77 54 76 40 76 07 76 56 76 57	560 460 80 95 309	52 54 65	52 10 54 65 12		FEB	1 2 1 2 1 2 1 2	3	SOLOMONS TAKOMA PARK MISS AVE TONOLOWAY	8380 8405 8725 8855 8877	WORCESTER CALVERT MONTGOMERY WASHINGTON BALTIMORE	1 7 7	38 11 38 19 38 59 39 40 39 24	75 23 76 27 77 00 78 15 76 36	20 20 230 550 415	36 60 7 27 14	36 60 7 27 39			1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
CONOWINGO DAM CONOWINGO POLICE BARRACKS CRISFIELD CUMBERLAND CUMBERLAND CUMBERLAND POLICE BARRACKS	2065 2205 2280	HARFORD HARFORD SOMERSET ALLEGANY ALLEGANY	8	39 39 39 39 37 59 39 39 39 39	76 10 76 11 75 51 78 45 78 49	40 195 5 623 880	16 4 32 81 4	16 4 32 81 4			1 2 1 2 1 2 1 2 1 2	3 3 3	VIENNA VIERS MILL WALDORF POLICE BARRACKS	9030 9140 9187 9195 9314		7	39 27 38 29 39 03 38 39 39 10	77 11 75 50 77 05 76 53 76 47	430 12 320 210 230	12 3 2 4 4	10 3 2 4 4			1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
DISTRICT HEIGHTS DUNDALK EASTON POLICE BARRACKS EDGEMONT ELKTON	2700	PRINCE GEORGES BALTIMORE TALBOT WASHINGTON CECIL	1 7	38 51 39 16 38 46 39 40 39 36	76 54 76 31 76 01 77 33 75 50	272 28 60 920 28	6 3 61 25	61 13 25			1 2 1 2 1 2 1 2	3	WESTERN PORT WESTMINSTER WHALEYSVILLE	9405 9435 9497	PRINCE GEORGES ALLEGANY CARROLL WORCESTER BALTIMORE	7	38 57 39 29 39 35 38 24 39 37	76 53 79 02 77 00 75 18 76 38	165 1000 770 32 330	4 58 42 3 5	58 42 3 5		AUG	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
EMMITSBURG FALLSTON FORT GEORGE G MEADE FREDERICK POLICE BARRACKS FREDERICK WB AIRPORT	3050 3230 3348	FREDERICK HARFORD ANNE ARUNDEL FREDERICK FREDERICK	1 6 7	39 41 39 31 39 07 39 25 39 25	77 21 76 25 76 46 77 26 77 23	720 450 195 380 294	85 82 10 4 8	85 82 10 4 8			1 2 1 2 1 2 1 2 1 2	3 3 3	WOODSTOCK COLLEGE DISTRICT OF COLUMBIA		WASHINGTON BALTIMORE	5	39 37 39 20 38 57	77 51 76 53	360 415	82	13 82			2 1 2 3
FREDERICK 3 E FRIENDSVILLE FROSTBURG GERMANTOWN GLEN ECHO	3401 3410 3585	FREDERICK GARRETT ALLEGANY MONTGOMERY MONTGOMERY	9	39 24 39 40 39 39 39 10 38 58	77 22 79 24 78 56 77 17 77 09	385 1510 2100 460 150	2 50 31	3 2 50 31 7	,		1 2 3 1 2 3 1 2 3	3	DALECARLIA RESERVOIR NATIONAL ARBORETUM U S SOLDIERS HOME , WASHINGTON WB CITY	2325 6350 9035 9290		7 7 7	38 56 38 54 38 56 38 56 38 56	77 07 76 58 77 01 77 03	260 146 70 230 72	6 6 81	5 6 81	i		1 2 3 1 2 3 1 2 3 1 2 3
GLENN DALE BELL STATION GRANTSVILLE GRASONVILLE GREENBELT HAGERSTOWN	3795	PRINCE GEORGES GARRETT QUEEN ANNES PRINCE GEORGES WASHINGTON	4	39 42 38 57	76 48 79 09 76 12 76 52 77 44	151 2300 8 200 660	31 4 10	31 9 4 -			1 2 3 1 2 3 1 2 3 1 2 3	3	CLAYTON DELAWARE CITY REEDY POINT DOVER	1483	NEW CASTLE KENT	2 2 2	38 44 39 18 39 34 39 10 38 39	75 38 75 38 75 35 75 32 75 27	45 40 10 34 50	61 1 65 64 6	61 1 65 64 6	APR		1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
HANCOCK FRUIT LABORATORY HUNTINGTOWN KEEDYSVILLE LA PLATA LAUREL 3 W	4485 4780 5080	WASHINGTON CALVERT WASHINGTON CHARLES PRINCE GEORGES	7	39 42 38 37 39 29 38 32 39 06	78 11 76 37 77 42 76 58 76 54	428 160 420 190 400	18 16 48 37 61	18 16 48 37 61			1 2 1 2 1 2 1 2 1 2 1 2 1	3	LEWES	5320 5915 6020	SUSSEX SUSSEX SUSSEX NEW CASTLE	2 2 2 2	38 46 38 55 38 35 39 39 39 15	75 08 75 26 75 19 75 46 75 36	10 10 20 110 45	7 56 59 39	7 56 59 39		APR	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
LEONARDTOWN 4 SSW LISBON LOCK RAVEN DAM LUKE MERRILL	5340 5530	ST MARYS HOWARD BALTIMORE ALLEGANY GARRETT	1	38 15 39 20 39 26 39 29 39 36	76 39 77 04 76 33 79 03 79 05	20 585 - 950 1790	17 3	17 3 2 14	MAY		1 2 3 1 2 2 2 2 2	3 -	WILMINGTON WE NEW CASTLE	9595 9600	NEW CASTLE NEW CASTLE	2 2	39 40 39 45 39 46	75 36 75 33 75 32	73 99 260	40	4 58			1 2 3

\$ 1-CHESAPEAKE: 2-COASTAL, 3-MONONGAHELA; 4-CHIO; 5-PATAPSCO; 6-PATUXENT, 7-POTOMAC; 8-SUSQUEHANNA; 9-YOUGHIOGHENY.

CHANGE OF NAMES

- † CAMBRIDGE 5 W, MD. ERRONEOUSLY SHOWN AS CAMBRIDGE 5 E PRIOR TO THIS BULLETIN
- † COCKEYSVILLE 2 NW, MD. FORMERLY COCKEYSVILLE PRIOR TO OCTOBER
- † PRESTON 1 S, MD.
- FORMERLY PRESTON PRIOR TO MAY
- † ROCK HALL 3 N. MD.
- FORMERLY ROCK HALL PRIOR TO FEBRUARY
- T SNOW HILL I NE, MD.
- FORMERLY SNOW HILL PRIOR TO MARCH

REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in *F; precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by foot note following Table 4.

The four digit identification numbers in the Index are assigned on a State basis. There will be no duplication of numbers within a state. Figures and letters following the station name, such as (2 SSF) 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 Climatological Data.

- No record.

 Also later date (dates) or months.

 Amount included in following measurement.

 Amount included in following measurement.

 B adjusted to full month.

 B adjusted to full month.

 S water equivalent of somefall wholly or partially estimated, using a ratio of l inch water equivalent to every 10 inches of new snowfall.

 N 1 to 3 days' record missing; see monthly Climatological Data for detailed daily record.

 S Station equipped with a recording gage only.

 T Trace, an amount too small to measure.

 N 1 Includes total for previous month.

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