

U. S. DEPARTMENT OF COMMERCE  
SINCLAIR WEEKS, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

DECEMBER 1953  
Volume LVII No. 12



## MARYLAND AND DELAWARE - DECEMBER 1953

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

### WEATHER SUMMARY

With measurable snow during this December confined to the three western-most counties of Maryland, averages of monthly snowfall were near or equalled the low records of Maryland and Delaware. Temperatures averaged substantially above normal for the month and precipitation amounts averaged above normal by a very small margin. The relative humidity and the average speed of the wind were near normal and the percentage of sunshine was above normal.

Most of the measurable snow fell on the 15-17th, but in Garrett County some amounts were recorded on other dates. The greatest depth on the ground was 10 inches at Sines Deep Creek on the 17th. To the east of Washington County, only scattered flurries of snow occurred. The trace average for Delaware equalled a record which has occurred on nine other occasions in the last sixty years. The one-half inch average for Maryland is the fourth lowest of record.

For the section as a whole, December precipitation was one-fifth of an inch above normal with much the greater part during the first 17 days. In general, central areas received above normal amounts while the southeastern and extreme western counties received deficient amounts. However, there was no wide range in amounts of the various stations. Delaware totals ranged from 4.55 inches at Wilmington Porter Reservoir to 2.65 inches at Bridgeville, and Maryland totals ranged from 5.58 inches at Westminster to 1.74 inches

at Luke. The greatest one-day amounts were measured on the 14th at most stations and were from one to two inches.

This December was unusually warm, with temperatures four degrees above normal. In Maryland and Delaware, it was the warmest December in twelve years and the seventh warmest of record. All stations reported averages which were above normal by two to six degrees. The warmest period was the 5-7th when most temperatures were in the sixties, although a few in the western counties were in the upper fifties. The coldest was the 18-19th when low readings were in the teens, although some urban and near-water temperatures were in the low and mid-twenties and some mountain readings fell to below 10°. Delaware extremes were 68° at several stations on the 6, 7, or 10th, and 10° at Georgetown and Millsboro on the 18th. Maryland extremes were 69° at Salisbury U.S.G.S. on the 7th, and Snow Hill on the 14th and 4° at Bittering 2 NW on the 18th and 24th. Delaware temperature averages for the month varied from 43.0° at Millsboro to 38.1° at Newark College Farm while Maryland averages ranged from 45.0° at Salisbury to 32.4° at Sines Deep Creek.

Normal precipitation brought some improvement in soil moisture conditions but frequent precipitation was needed to replace the moisture removed by the summer drought. Grasses and winter grains were fair to good. Farm work during the month was limited. - H.L.A.





# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE  
DECEMBER 1953

TABLE 2 - CONTINUED

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days			
										10° or Above	32° or Above	32° or Below	37° or Below					0" or Below	Total	Max. Depth on Ground	Date	01 or More	.50 or More	1.00 or More
SAVAGE RIVER DAM	44.3	24.2	34.3		68	7	8	19	763	0	4	26	0	2.19		.61	14	2.5				13	2	0
SILVER HILL OBSERVATORY	47.0	32.5	40.2		65	6	15	19	1005	0	3	14	0	3.21		.91	14	T	T	16	10	3	0	
SINES DEEP CREEK	42.3	22.4	32.4	2.8	64	6	6	24	1005	0	5	25	0	3.17	-.37	.72	14	14.9	10	17	17	1	0	
SNOW HILL	52.9	31.8	42.4	3.4	69	14	14	18+	695	0	1	16	0	2.89	.62	1.64	14	T	0	0	7	2	1	
SOLOMONS	51.2	36.6	43.9	4.9	68	7	20	18	648	0	0	8	0	3.15	.40	1.34	14	.0	0	0	11	2	1	
STEVENSVILLE 1 W	48.8	34.2	41.5		62	7	20	18	720	0	1	14	0	3.16		1.31	14	.0	0	0	9	2	1	
TAKOMA PARK MISS AVE	47.4M	30.6M	39.0M	2.4	59	5	15	19	799	0	2	17	0	3.21	.67	1.14	14	T	0	0	11	4	1	
TONOLOWAY	48.2	25.4	36.8	3.2	61	5+	9	19+	867	0	3	23	0	3.24	.84	.85	14	.0	0	0	6	3	0	
TOWSON	49.2	30.0	39.6	5.6	65	7	10	18	781	0	1	21	0	3.90	.70	1.15	14	.0	0	0	12	3	1	
UNIONVILLE	47.5	25.4	36.5	3.2	60	5	10	18	878	0	2	24	0	4.82	1.46	1.43	6	T	0	0	10	5	1	
VIENNA	50.9	33.4	42.2		66	6	17	18	700	0	1	14	0	2.95		1.35	14	.0	0	0	8	1	1	
VIERS MILL	49.7	28.7	39.2		65	6+	14	18+	792	0	2	21	0	4.21			14	T	0	0	11			
WALDORF POLICE BRKS	49.6	29.8	39.7		66	7	15	19	774	0	1	19	0	4.18		1.08	14	.0	0	0	10	4	1	
WATERLOO POLICE BRKS	50.8	27.7	39.3		66	7	13	19	792	0	1	23	0	4.44		1.05	14	.0	0	0	11	1	1	
WESTERN PORT	48.2	28.8	38.5	4.6	62	5	14	18+	815	0	3	18	0	2.28	-.17	.80	14	T	0	0	12	1	0	
WESTMINSTER	45.9	29.2	37.6	2.6	60	5	14	18+	842	0	4	20	0	5.58	2.36	1.96	7	T	T	16	11	1	1	
WOODSTOCK COLLEGE	48.1	27.1	37.6	3.2	65	7	10	19	844	0	2	23	0	4.08	1.05	1.05	14	.0	0	0	10	9	1	
DISTRICT OF COLUMBIA																								
DALECARLIA RESERVOIR DC	51.3	29.1	40.2		65	7	13	19	761	0	0	20	0	4.05		1.18	14	.0	0	0	11	5	1	
NATIONAL ARBORETUM D C			40.2	M																	10			
U S SOLDIERS HOME D C	48.8	31.1	40.0		66	7	12	18	717	0	2	16	0	3.40		1.08	14	.0	0	0	6	4	1	
WASHINGTON WB CITY DC	49.5	33.7	41.6	3.4	66	6	19	18+	717	0	2	12	0	3.38	.63	.83	12	T	0	0	10	3	0	
MARYLAND AND D C																								
DELAWARE																								
BRIDGEVILLE	51.3	30.5	40.9	3.5	68	10	11	18	738	0	1	20	0	2.65	-.49	1.26	14	T	0	0	8	1	1	
DELAWARE CITY REEDY PT	48.9	32.6M	40.8M	4.7	66	7	17	18	746	0	1	17	0	4.05	.76	1.55	14	T	0	0	6	4	1	
DOVER	50.6	31.8	41.2	4.2	67	7+	15	18	731	0	1	16	0	3.16	-.16	1.51	14	T	0	0	10	2	1	
GEORGETOWN	51.8	30.9	41.4		68	7+	10	18	723	0	1	16	0	2.81		1.42	14	.0	0	0	7	1	1	
LAUREL 2 SW	51.6M	30.6M	41.1M		68	6+	12	26	733	0	2	17	0			1.27	14	.0	0	0	6	1	1	
LEWES	51.6	31.2	41.4		68	10	14	18	724	0	2	18	0	3.04		1.42	14	.0	0	0	11	2	1	
MIDDLETOWN 2 S	50.5	28.6	39.6		67	5	13	18	781	0	1	24	0				14	T	0	0	6			
MILLFORD	51.4	31.2	41.3	3.2	68	6+	12	18	726	0	1	18	0			1.35	14	T	0	0	7	1	1	
MILLSBORO	55.0M	30.9M	43.0M	5.2	68	7+	10	18	654	0	0	18	0			1.09	14	.0	0	0	6			
NEWARK COLLEGE FARM	47.4	28.8	38.1	4.9	66	7	12	18	828	0	3	23	0	3.88	.30	1.40	14	.0	0	0	8	4	1	
WILMINGTON NEWCASTL WB AP	47.9	29.4	38.7	3.6	67	6	13	18	810	0	3	21	0	4.13	1.14	1.26	14	T	T	16	10	4	1	
WILMINGTON PORTER RESVR	47.0	31.2	39.1	4.1	65	6+	14	18	794	0	3	18	0	4.55	1.25	1.48	14	T	0	0	11	4	1	
STATE																								
SECTION																								
			40.6	3.8										3.53	.11			T						
			39.5	4.0										3.41	.21									

See Reference Notes Following Station Index



# DAILY PRECIPITATION

Table 3—Continued

MARYLAND AND DELAWARE  
DECEMBER 1999

Station	Total	Day of month																																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
DELAWARE																																				
BRIDGEVILLE	2.65				T	.14		.69		.02	.11	.18	.36	1.26		T						T	.09								T					
DELAWARE CITY REEDY PT	4.05				T	.45	T	.85			.60	.55	T	1.55		T						T	.05													
DOVER	3.16				.01	.15	T	.78		.01	.13	.17	.28	1.51		T						T	.04	.08							T			T		
GEORGETOWN	2.81				.01	.13		.37			.22	.20	.46	1.42								T														
LAUREL 2 SW	-				.12						.40	*	.60	1.27																						
LEWES	3.04				.01	.20	.07	.35		.01	.24	.54	.16	1.42								T	.03													
MIDDLETOWN 2 S	-				.47			.75			.47	.98	.07	-		T																				
MILFORD	-										.12	.41	.17	1.35		T							.05	.03												
MILLSBORO	-						.17	.41				*	1.03	1.09																						
NEWARK COLLEGE FARM	3.88				T		.25	.96		.01	.50	.23	.51	1.40										.02												
WILMINGTON NEWSTL WB AP	4.13				.13	.32	.71	.27		.01	.53	.64	.21	1.26		T	T					T	.05													
WILMINGTON CITY HALL	4.20				T	*		1.45			.60	*	*	2.15		T																				
WILMINGTON PORTER RESVR	4.55				.10	.33	.78	.38		.04	.58	.72	.11	1.48		T						T	.02													









# EVAPORATION AND WIND

MARYLAND AND DELAWARE  
DECEMBER 1953

Table 6

Station		Day of month																															Total Evap Wind		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
SALISBURY U. S. G. S.	EVAP WIND	.05 33	.06 96	.05 34	.03 20	.03 75	.13 83	.02 134	.11 45	.06 45	.07 111	.13 69	.04 14	.00 51	.00 79	.19 125	.06 96	*	100	.13 89	.22 15	.00 187	.03 19	.10 45	.03 72	.22 82	*	*	.10 103	.00 51	.00 24	.00 12	.00 6	.03 31	1.89 1956

See reference notes following Station Index.

# SNOWFALL AND SNOW ON GROUND

Table 7

MARYLAND AND DELAWARE  
DECEMBER 1953

Station	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERDEEN PHILLIPS FIELD																T																
ANNAPOLIS USN ACADEMY																T																
BALTIMORE WB AIRPORT																T																
BENSON POLICE BARRACKS																T																
BENTLEY SPRINGS																T																
BITTINGER 2 NW	.1	1	T							T				.2	3.0	5.3	3.5	.5	4	2	1		T	.1		.2		T		T	.5	
CHARLOTTE HALL	2									T						T																
CHESTERTOWN																T																
CHEWSVILLE BRIDGEPORT																.8	T	T	T													T
CLEAR SPRING																-	-	-														T
CUMBERLAND POLICE BRKS																-	1															
EASTON																T																
FROSTBURG														.5	2.0	1.4	T	T	1	T				T		T						T
GLENN DALE BELL STA																T																T
HANCOCK FRUIT LAB																.5	T															
KEEDYSVILLE																T																
LA PLATA																T																
LISBON														T	T																	
OAKLAND	.5									.1				T	2.0	5.0	1.0	1.0	T	2	T		T	T		.2					.3	
OWINGS FERRY LANDING	1	T														T	T															T
PARKTON 2 SW																T	T	T														
PRINCE FREDERICK																T					T	T										
ROCK HALL 3 N																T																
SNOW HILL										T																						
TAKOMA PARK MISS AVE														T	T	T																
UNIONVILLE																T																
WASHINGTON WB CITY																T																
WESTERN PORT															T	T	T											T	T			
WESTMINSTER																T	T															
DELAWARE																																
BRIDGEVILLE																T																
DOVER																T																
WILMINGTON NCASTLE WB AP																T	T															
WILMINGTON PORTER RES																T																

# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE  
DELAYED DATA

TABLE 2

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										Max.		Min.						Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More
										30° or Above	32° or Above	32° or Below	30° or Below										
MARYLAND																							
NOVEMBER 1951																							
DISTRICT HEIGHTS	52.6	33.6	43.1		73	14+	19	28	649	0	0	16	0	6.12		1.49	7	.3	0		11	5	3
MAY 1953																							
EMMITSBURG	78.2M	57.0M	67.6M		87	11	46	29	21	0	0	0	0	7.06		1.70	6	T	0		16		
JUNE 1953																							
TAKOMA PARK MISS AVE	82.8	62.0	72.4	0.2	93	21+	48	2	16	8	0	0	0	3.02	- 1.31	.77	14	T	0		6	4	0
AUGUST 1953																							
BLACKWATER REFUGE	84.0	63.4	73.7	- 0.7	100	31	52	19	0	7	0	0	0			.0		0					
SEPTEMBER 1953																							
ANNAPOLIS 2 WNW	80.2	55.4	67.8		96	2	37	24	44	4	0	0	0	2.90		1.98	6	.0	0		5	2	1

## DAILY PRECIPITATION

Table 3

Station	Day of Month																															Total		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MARYLAND																																		
NOVEMBER 1951																																		
DISTRICT HEIGHTS	1.38	1.12	.71			T	1.49					.01	.42		.08	.01						T		.20	.01	.69								6.12
MAY 1953																																		
EMMITSBURG	.20	.15		.14	1.70	.42	.27	T				.69	.20	.42	T	.59	T	T				T	.24	.11	T	.17	.06				*	1.70	7.06	
JUNE 1953																																		
TAKOMA PARK MISS AVE	.74					.68	T			T	.18	.77			T	.03														.62				3.02
AUGUST 1953																																		
BLACKWATER REFUGE														3.27																				
SEPTEMBER 1953																																		
ANNAPOLIS 2 WNW					1.98	.02						.30	.50									.10												2.90

See Reference Notes Following Station Index

# DAILY TEMPERATURES

Table S.

MARYLAND AND DELAWARE  
DELAYED DATA

Station	Day of month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARYLAND																																	
NOVEMBER 1951																																	
DISTRICT HEIGHTS	MAX	63	43	41	51	45	46	67	48	52	63	63	60	60	73	67	73	49	41	35	37	41	50	67	62	43	53	42	39	48	56	52.6	
	MIN	40	36	28	23	26	27	43	35	30	36	35	31	47	58	50	49	39	29	24	24	20	26	45	43	26	32	32	19	27	28	33.6	
MAY 1953																																	
EMMITSBURG	MAX	84	79	79	75	77	77	72	71	73	84	87	86	85	81	78	74	78	82	77	83	82	75	74	74	71	86	83	70	71	78.2		
	MIN	51	52	50	50	62	59	60	52	55	54	59	63	59	62	63	60	61	62	59	61	56	60	65	54	55	57	57	49	46	57.0		
JUNE 1953																																	
TAKOMA PARK MISS AVE	MAX	58	75	78	85	89	91	83	81	90	84	79	76	75	67	75	80	73	77	86	90	93	88	91	84	87	93	88	90	89	90	82.8	
	MIN	52	48	52	54	62	64	68	66	69	65	60	57	61	56	54	54	60	63	62	65	68	70	64	59	59	68	71	68	71	70	62.0	
VIERS MILL	MAX																								82	86	92	91	82	92	94		
	MIN																								57	56	69	69	67	71	69		
AUGUST 1953																																	
BLACKWATER REFUGE	MAX	84	84	82	73	90	90	74	73	80	80	83	84	84	80	87	87	84	76	77	78	78	78	80	84	88	88	90	94	96	98	100	84.0
	MIN	59	70	58	63	70	64	62	65	65	60	64	62	66	66	66	64	66	64	52	56	56	53	60	63	61	63	68	67	70	70	72	63.4
SEPTEMBER 1953																																	
ANNAPOLIS 2 WNW	MAX	94	96	94	91	83	75	80	79	75	77	79	80	77	70	85	83	78	73	78	77	84	76	74	69	75	74	77	77	88	87	80.2	
	MIN	69	66	68	69	68	62	60	56	48	46	47	55	58	40	50	58	53	48	57	63	61	58	43	37	46	58	61	55	45	57	55.4	

CORRECTIONS

MONTH: OCTOBER 1953

Table 3:  
Millington

Precipitation on the 6th should be 0.44.



# MARYLAND AND DELAWARE

