

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
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CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

MAY 1949

Volume LIII No. 5



ALBANY 1949

MARYLAND AND DELAWARE - MAY 1949

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GENERAL SUMMARY

Although May temperatures over most of the two-state area averaged less than 1 degree from normal, rainfall was more variable. Precipitation totals exceeded the normal by more than 1 inch in all of southern Maryland, in Montgomery County, near the Chesapeake Bay north from Baltimore and Rock Hall, and in local areas in Washington and Allegany Counties of Maryland and in the Wilmington sector of Delaware. Charlotte Hall, in St. Mary's County, reported total rainfall of more than 5 inches above the May normal and Glenn Dale, in Prince Georges County, reported 4 inches above normal. Rainfall was deficient by more than 1 inch in scattered portions of Garrett, Allegany, Washington and Frederick Counties of Maryland. However, soil moisture continued ample in these areas. Although the precipitation was unevenly apportioned over the area, its distribution through the month was very good. Heavy amounts fell on various sections near the 2nd-3rd, 15th and 22nd-25th.

Except for small scattered areas, average temperatures were relatively close to the May normal. Temperatures were 1 to 2 degrees above normal in southern Sussex and extreme northern Kent Counties of Delaware, and in portions of Wicomico, Queen Annes, Kent, Baltimore, Charles and Prince Georges Counties of Maryland, and from 2 to 3 degrees above normal in the District of Columbia. Temperatures were 1 to 2 degrees below normal in Frederick County and at scattered stations in southeastern Maryland. The month was marked by frequent changes in temperature. It was warm from near the 1st through the 7th and from the 17th through the 20th, with the warmest days on the 6th, 7th and 19th. Cool weather prevailed from near the 10th to the 13th and from the 25th to the 30th, with the 12th being the coolest day at most places. Killing frost was reported from Garrett and western Allegany Counties as late as the 30th.

Under the impetus provided by abundant soil moisture and nearly normal temperatures, growing crops made good development during the month. The late killing frosts in the extreme western portion of Maryland did very little damage. Truck crops were up to good stands. Small grains began to head and barley began to ripen. Corn was progressing slowly in some areas due to excessive rainfall which cut down sunshine and prevented proper cultivation. Hay made very good progress during the month with some growths so rank that mowing was difficult. Fruit sized well with some thinning required during the month. Peaches began to color by the end of the month. Tobacco was progressing well with some cultivation under way.

TEMPERATURE

The monthly mean temperature for the section was 63.5 degrees, 0.5 degree above normal; for Maryland and the District of Columbia, 63.5 degrees, 0.7 degree above normal; and for Delaware, 63.6 degrees, 0.4 degree above normal.

For Maryland, the monthly mean temperature varied from 68.5 degrees at Crisfield, to 56.9 degrees at Oakland. The highest temperature was 96 degrees on the 5th at Western Port, and the lowest was 28 degrees on the 29th at Cumberland Police Barracks. The greatest local monthly temperature range was 64 degrees at Hancock, ranging from 94 degrees on the 6th to 30 degrees on the 29th. The least local monthly range was 37 degrees at Ocean City, ranging from 85 degrees on the 20th to 48 degrees on the 14th.

For Delaware, the monthly mean temperature varied from 64.7 degrees at Millsboro to 62.4 degrees at Wilmington (Porter Reservoir). The highest temperature was 93 degrees on the 19th at Millsboro, and the lowest was 37 degrees on the 9th at Georgetown. The greatest local monthly temperature range was 54 degrees at Georgetown, having a high reading of 91 degrees on the 19th and a low reading of 37 degrees on the 9th, and at Millsboro where the temperature ranged from 93 on the 19th to 39 on the 9th. The least local monthly range was 46 degrees at Smyrna with a high reading of 89 degrees on the 19th and a low reading of 43 degrees on the 13th.

PRECIPITATION

The monthly average for the section was 4.77 inches, 1.11 inches above normal; for Maryland, 4.85 inches, 1.18 inches above normal; and for Delaware, 4.15 inches, 0.51 inch above normal. For Maryland, it was greatest at Charlotte Hall with 8.79 inches, and least at Picardy with 2.28 inches. The greatest 24-hour amount was 3.25 inches on the 7th at Charlotte Hall. For Delaware, the monthly precipitation was greatest at Wilmington (Porter Reservoir) with 6.52 inches, and least at Milford with 2.76 inches. The greatest 24-hour rainfall was 1.80 inches on the 3rd at Delaware City.

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 Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide 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 \$100,000 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.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

MAY 1949

STATIONS	SEA LEVEL PRESSURE EXTREMES—INCHES				WIND				RELATIVE HUMIDITY AVERAGES				SUN- SHINE	DEGREE DAYS 65° BASE
	HIGHEST	DATE	LOWEST	DATE	AVERAGE SPEED M.P.H.	MAXIMUM SPEED M.P.H.	DIRECTION	DATE	1:30A EST	7:30A EST	1:30P EST	7:30P EST	PERCENT OF POSSIBLE	
ABERDEEN PHILLIPS FLD, MD	30.24	4	29.55	20	-	-	-	-	94	88	72	88	-	-
ANNAPOLIS NAVAL ACAD., MD	30.31	17	29.64	20	7.7	-	-	-	84	82	66	74	-	-
BALTIMORE WB CITY, MD	30.30	17	29.60	20	9.4	35	NW	20	80‡	77‡	52‡	68‡	57	79
WASHINGTON WB CITY, DC	30.31‡	17‡	29.65‡	20‡	6.5	47	NW	7	78‡	76‡	48‡	64‡	61	71
WILMINGTON WB AP, DEL	30.30	17	29.60	20	9.1	-	-	-	89	83	55	71	-	122

‡ Airport Data

TABLE 1
COMPARATIVE DATA

YEAR	MARYLAND						DELAWARE						YEAR	MARYLAND						DELAWARE					
	TEMP., °F.			PRECIP., INCHES			TEMP., °F.			PRECIP., INCHES				TEMP., °F.			PRECIP., INCHES			TEMP., °F.			PRECIP., INCHES		
	MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH ¹ / ₁₀ IN. OR MORE	MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH ¹ / ₁₀ IN. OR MORE		MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH ¹ / ₁₀ IN. OR MORE	MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH ¹ / ₁₀ IN. OR MORE
1895	61.7	101	20	3.27	0.3	12	61.7	98	37	3.65	0.0	12	1923	61.1	94	23	1.96	0.2	7	61.8	91	32	1.32	0.0	5
1896	67.5	96	31	3.13	0.0	10	67.3	96	35	3.73	0.0	10	1924	58.7	94	26	6.60	0.0	17	59.5	88	37	5.26	0.0	16
1897	61.1	86	27	5.16	0.1	11	62.2	85	40	4.01	0.0	10	1925	58.8	100	25	1.98	0.1	9	59.9	100	32	1.20	0.0	7
1898	63.0	96	25	4.50	0.0	13	61.7	96	37	4.80	0.0	14	1926	62.0	94	25	1.98	0.0	8	62.0	91	33	2.84	0.0	9
1899	63.6	96	31	3.72	0.0	10	63.2	96	38	2.47	0.0	8	1927	61.7	95	28	3.00	T	14	61.6	88	38	3.39	0.0	12
1900	63.1	99	23	2.40	0.0	6	64.0	96	31	3.10	0.0	6	1928	60.5	96	23	2.48	0.0	12	61.0	91	32	2.17	0.0	11
1901	61.3	95	25	4.55	0.0	12	61.2	86	38	3.65	0.0	11	1929	62.0	96	26	3.21	T	13	62.6	93	35	1.98	0.0	11
1902	63.9	98	22	2.10	T	8	63.8	94	37	1.88	0.0	7	1930	64.8	96	27	2.11	0.0	9	65.6	95	40	3.16	0.0	9
1903	64.0	95	24	2.64	T	7	64.1	95	31	2.03	0.0	6	1931	62.2	95	23	4.54	T	13	62.8	92	33	4.24	0.0	12
1904	64.2	102	26	2.61	T	7	64.3	95	39	1.90	0.0	5	1932	61.9	94	25	5.30	0.0	10	62.9	90	37	5.18	0.0	10
1905	64.7	97	25	2.97	0.0	8	64.4	92	35	3.13	0.0	9	1933	64.8	94	34	5.45	0.0	16	66.2	93	37	5.33	0.0	16
1906	63.3	96	22	2.64	T	7	64.0	97	30	3.29	0.0	8	1934	63.9	97	28	4.64	0.0	10	64.6	95	38	6.74	0.0	10
1907	58.1	91	23	4.54	0.0	13	58.1	87	32	6.39	0.0	14	1935	59.4	92	28	3.64	T	11	60.0	87	37	3.60	0.0	11
1908	63.4	95	28	6.18	0.1	14	65.0	94	36	6.64	0.0	12	1936	64.9	95	27	2.17	0.0	6	65.5	94	33	1.62	0.0	4
1909	62.2	98	22	3.56	T	9	63.4	93	34	3.96	0.0	8	1937	63.1	95	27	3.42	0.0	11	63.9	92	32	3.61	0.0	11
1910	60.0	90	16	2.99	T	12	62.0	90	35	2.30	0.0	13	1938	61.3	96	23	4.34	0.0	15	61.4	85	37	4.28	0.0	16
1911	67.6	100	19	1.11	T	4	67.2	96	33	0.69	0.0	3	1939	65.0	98	25	1.14	T	5	64.8	96	32	0.58	0.0	4
1912	64.1	92	29	4.12	T	10	64.7	91	38	4.27	0.0	8	1940	62.1	93	23	4.45	0.0	13	61.7	91	33	5.44	0.0	14
1913	62.6	94	16	4.31	0.0	10	63.8	93	32	4.42	0.0	8	1941	64.2	100	20	2.39	0.0	8	65.1	99	32	1.52	0.0	9
1914	65.1	100	18	2.06	0.0	6	65.8	98	31	2.00	0.0	5	1942	66.2	97	33	4.17	0.0	8	66.6	98	40	2.21	0.0	7
1915	60.7	90	25	3.82	0.0	13	62.3	88	37	3.90	0.0	12	1943	64.6	95	17	4.65	T	14	64.9	94	26	4.84	0.0	14
1916	64.6	97	30	3.61	T	10	65.2	94	39	4.33	0.0	11	1944	68.4	96	30	2.32	0.0	8	67.7	92	40	2.18	0.0	7
1917	57.3	93	27	3.02	0.1	10	56.9	92	34	3.10	0.0	10	1945	60.2	95	21	4.38	0.1	13	60.7	88	34	4.66	0.0	14
1918	67.7	98	27	3.79	T	9	67.4	95	38	3.43	0.0	6	1946	63.1	91	32	6.44	0.0	16	63.0	89	33	6.11	0.0	15
1919	62.8	97	31	5.33	0.0	13	63.9	91	38	5.92	0.0	12	1947	62.7	95	18	5.17	T	14	62.8	92	26	6.63	0.0	12
1920	58.5	91	22	1.94	T	7	58.5	87	30	2.30	0.0	8	1948	62.7	94	30	6.57	0.0	14	62.6	92	35	8.93	0.0	14
1921	61.3	93	27	5.47	T	13	61.7	90	38	3.74	0.0	12	1949	63.5	96	28	4.85	0.0	12	63.6	93	37	4.15	0.0	10
1922	64.7	93	25	3.21	0.0	10	65.0	88	32	2.09	0.0	8	PERIOD	63.5	102	16	3.67	T	11	63.2	100	26	3.64	0.0	10

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Table 2

Station	Temperature								Precipitation									
	Average	Departure from normal	Highest	Date	Lowest	Date	No. of days		Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail			No. of days		
							Max. 90° or above	Min. 32° or below					Total	Max. depth on ground	Date	0.1 or more	25 or more	1.00 or more
MARYLAND																		
ABERDEEN PHILLIPS FIELD	62.6	0.2	87	6+	40	12+			4.72	1.28	1.24	22				11	5	1
ANNAPOLIS U S NAVAL ACADEMY	63.5	-0.5	86	19	47	27			5.22	1.22	1.30	22				14	5	2
BALTIMORE WB AIRPORT	65.3	1.4	90	6+	44	12	2		5.85	2.31	2.21	22				15	5	2
BALTIMORE WB CITY	65.9	1.5	92	6	45	12	2		5.90	2.36	1.80	22				13	6	3
BALTIMORE HAMILTON	63.6		91	6	39	12	2		4.77		1.16	23				11	5	1
BATTERY PARK	63.9M		91	6	35	12	3		6.35		1.38	15				15	8	3
BELTSVILLE	62.6	-0.2	91	7	34	12	1		4.83	.97	1.43	16				13	5	2
BELTSVILLE PLT IND STA NO 1	62.4		91	7	37	12	1		4.36		1.41	23				12	5	1
BELTSVILLE PLT IND STA NO 2	62.6		92	7	35	12	1		4.50		1.42	23				12	5	1
BELTSVILLE PLT IND STA NO 3	63.1		92	7	39	12	1		4.68		1.40	23				12	7	1
BELTSVILLE PLT IND STA NO 4	64.0		92	7	40	12	2		4.42		1.34	23				11	6	1
BELTSVILLE PLT IND STA NO 5	62.6		91	7	33	12	3		4.59		1.34	23				12	6	1
BELTSVILLE PLT IND STA NO 6	63.2		91	7	39	12	2		4.70		1.39	23				12	7	1
BENSON POLICE BARRACKS	61.2		91	6	31	13	1	1	4.95		1.04	10				10	6	2
BENTLEY SPRINGS	60.6		89	6	33	12			4.18		1.13	10				13	6	1
BLACKWATER	63.6	-1.2	86	19+	41	9			3.54	-.76	1.15	22				7	6	1
BRIGHTON DAM	62.8		91	6+	36	12+	2		6.22		1.48	3				13	6	3
BROOKSIDE MANOR	65.0M		93	6+	37	12	3		5.00		1.08	23				15	7	1
CAMBRIDGE	64.7	-0.5	89	6+	42	9			3.62	.07	.67	25				11	6	1
CHARLOTTE HALL	64.8	-0.2	90	7	42	12+	1		8.79	5.25	3.25	7				14	7	3
CHELTENHAM	63.6	-0.1	90	7	40	12	1		5.28	1.66	1.54	3				15	7	1
CHESTERTOWN	64.3	0.7	89	7+	42	12			5.95	2.34	2.11	22				13	5	2
CHEWVILLE BRIDGEPORT	62.0	1.0	90	6	34	29	1		4.41	.89	.78	7				14	8	1
CLEAR SPRING	62.3	0.6	91	6	37	12	1		4.86	1.06	.66	10				13	11	1
COLEMAN	65.6	1.8	92	6+	43	13	3		6.00	2.39	1.71	23				13	5	2
COLLEGE PARK UNIV OF MARYLAND	64.9	1.7	92	6+	37	12	2		5.79	1.90	1.42	16				14	6	1
CONOWINGO DAM	62.2	-0.6	89	6	39	30			4.41	-.09	1.57	22				10	4	2
CONOWINGO POLICE BARRACKS	61.4		93	6	34	29+	2		4.50		1.28	10				16	5	2
CRISFIELD	68.5	2.7	88	19+	47	13			3.92	.48	1.08	11				11	4	1
CUMBERLAND	62.2	-0.8	93	5	34	29	2		3.75	.37	.92	9				10	5	1
CUMBERLAND POLICE BARRACKS	58.4		91	6	28	29	3	2	2.85		.84	9				10	4	1
DISTRICT HEIGHTS	64.7		91	6	40	12	2		8.12		1.71	3				17	9	3
DUNDALK	64.7		90	6+	42	12	2		6.15		1.89	23				16	6	1
EASTON POLICE BARRACKS	63.8	0.1	86	4+	40	12+			3.66	.22	1.67	25				9	4	1
ELKTON	63.2	-0.1	90	6+	37	17	2		5.39	1.24	1.25	2				8	7	2
EMMITSBURG	63.6	1.3	89	5+	39	12			4.12	-.07	.87	3				13	7	1
FALLSTON	62.3	0.6	90	6	40	12+	1		5.02	1.26	1.05	10				11	6	1
FORT GEORGE G MEADE	62.9	-2.6	93	6	36	12+	2		7.92	3.73	1.60	23				12	8	4
FREDERICK	62.2	-1.6	92	6	32	12	2	1	5.12	1.38	1.19	10				15	7	2
FREDERICK POLICE BARRACKS	63.1		91	6	37	12	2		4.98		1.12	10				13	6	2
FREDERICK WB AIRPORT	64.2		92	7+	36	12	2		4.68		1.13	10				12	5	1
FROSTBURG	59.0	-1.0	88	5+	32	29		1	2.34	-1.74	.65	22				10	4	1
GLENN DALE BELL STATION	64.0	0.9	91	7	35	12	2		7.96	4.08	1.40	3				15	8	4
GRASONVILLE	65.0		88	19	41	30			5.82		1.74	3				13	7	1
GREAT FALLS	63.8	0.0	94	6	38	26	4		5.68	2.16	2.08	23				13	5	2
GREENBELT	63.3		92	7+	36	12	2		4.89		1.32	3				17	6	2
GROSVENOR LANE	64.1		91	6	34	12	2		5.93		1.76	3				16	6	1
HAGERSTOWN	63.2		90	5+	36	29	2		4.27		.90	7				11	6	1
HANCOCK FRUIT LABORATORY	60.7	-2.4	94	6	30	29	3	2	3.15	-.29	.72	23				12	5	1
HUNTINGTOWN	63.7	-0.9	90	6	40	12+	1		5.04	1.57	.98	3				13	7	1
KEDYSVILLE	63.0	-0.4	93	5+	34	12+	2		2.92	-.49	.61	22				13	6	1
LA PLATA	65.8	1.8	91	6+	39	27	2		6.04	2.24	1.15	25				11	7	2
LEONARDTOWN	65.2M		90	19	43	27	1		5.13		1.37	22				13	7	1
MILLINGTON	65.0	1.5	92	6+	42	12+	2		4.17	.86	1.16	23				8	5	1
OAKLAND	56.9	0.9	87	6	29	30		5	3.34	-1.06	1.24	22				12	5	1
OCEAN CITY	61.8		85	20	48	14			2.72		1.15	22				9	2	1
OWINGS FERRY LANDING	64.2	0.1	92	7	41	12+	2		5.13	1.30	1.25	3				12	6	2
OXFORD	65.2	-1.4	86	19	47	9+			3.91	.15	1.05	25				13	5	1
PICARDY	62.5	0.2	92	5+	35	12+	3		2.28	-1.12		10				10	5	1
PIKESVILLE POLICE BARRACKS	63.5		91	6	35	12	2		4.47		1.46	23				13	7	1
POCOMOKE CITY	64.3M	-1.2	90	19	41	9+	1		2.68	-.24	.80	11				10	3	1
PRESTON	65.6		90	19	42	9	1		3.40		1.35	22				5	4	2
PRETTYBOY DAM	63.9M	1.3	89	5+	36	12			3.92	-.17	.93	10				9	6	1
PRINCESS ANNE	63.3	0.1	88	19+	37	9+			2.61	-.62	.67	23				10	4	1
RANDALLSTOWN POLICE BARRACKS	62.3		91	6	36	12	1		5.19		.86	22+				13	8	2
RIDGELY	66.7	2.9	90	7	46	12	1		3.70	.08	1.19	25				11	5	1
RIVERDALE	64.6		94	6	35	12	4		6.81		1.54	3				13	8	2
ROCK HALL	63.8	0.0	87	19	41	30			5.27	1.90	.95	23				14	7	2
ROCKVILLE	64.1		89	6	41	12			7.00		1.74	3				15	7	2
ROYAL OAK	65.6		89	19	43	30			4.02		1.21	25				14	5	2
SALISBURY	65.4	1.1	88	19	41	9+			3.59	.06	1.05	22				11	6	1
SALISBURY POLICE BARRACKS	65.0		87	7	40	29			3.70		1.16	23				10	5	2
SALISBURY MUNICIPAL AIRPORT	63.2		90	19	40	9+	1		3.19		1.22	22				11	4	1
SINES DEEP CREEK	57.0M	1.0	86	6	30	30		3	3.70	-.69	.78	22				14	7	1
SOLOMONS	65.7	0.5	89	19	48	27			5.98	2.84	1.37	22				14	9	1
TAKOMA PARK MISS AVE	64.0	-0.8	90	6+	40	12+	2		5.68	1.99	1.08	23				16	9	1
TONOLWAY	61.3	0.2	93	5	32	29	2	1	3.45	-.13	1.05	22				7	5	1
TOWSON	62.6		92	6	34	12	1		5.23	1.64	1.38	3				11	5	2
UNIONVILLE	60.1	-2.0	90	5	32	12+	1	2	4.34	-.32	1.25	22				12	6	1</

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MARYLAND AND DELAWARE

MAY 1949

Table 2-Continued

Station	Temperature								Precipitation									
	Average	Departure from normal	Highest	Date	Lowest	Date	No. of days		Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail			No. of days		
							Max. 90° or above	Min. 32° or below					Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
DISTRICT OF COLUMBIA																		
BRIGHTWOOD	65.7		92	7	43	12+	2											
DALECARLIA RESERVOIR	65.9M		92	6+			3	5.99									15	
NATIONAL ARBORETUM	66.1		93	6+	38	12	3	5.52		1.22	3						17	2
U S SOLDIERS HOME	63.8		91	7+	40	27	2	6.42		1.48	16						13	4
WASHINGTON WB CITY	66.6	2.9	94	6+	42	12	5	5.65	1.95	1.58	22						15	5
MARYLAND & DIST OF COLUMBIA																		
	63.5	0.7						4.85	1.18									
DELAWARE																		
BRIDGEVILLE																		
BRIDGEVILLE	63.9	0.6	88	19	39	9		3.85	.21	1.55	25						10	3
DELAWARE CITY REEDY POINT																		
DELAWARE CITY REEDY POINT	63.3	-0.1	88	7	41	9+		4.76	1.31	1.80	3						9	5
DOVER																		
DOVER	64.0	0.3	89	6+	42	29+		4.37	.71	1.18	9						13	4
GEORGETOWN																		
GEORGETOWN	63.3		91	19	37	9	1	3.56		1.31	22						11	4
LEWES																		
LEWES	62.7		90	6+	40	9	2	3.59		1.12	22						13	5
MILFORD																		
MILFORD	65.0	0.9	92	7+	43	9+	3	2.76	-.93	.95	25						14	2
MILLSBORO																		
MILLSBORO	64.7	1.4	93	19	39	9+	2	3.26	-.22	1.23	22						6	5
NEWARK COLLEGE FARM																		
NEWARK COLLEGE FARM	63.9M	1.8	90	6	40	30	1	4.35	.30	.80	3						10	7
SMYRNA																		
SMYRNA	64.0		89	19	43	13+		4.59									12	
WILMINGTON WB NEW CASTLE																		
WILMINGTON WB NEW CASTLE	62.9		89	6	42	12+		4.10		1.33	2						11	5
WILMINGTON PORTER RESERVOIR																		
WILMINGTON PORTER RESERVOIR	62.4	-0.7	89	6	42	12		6.52	2.84	1.26	2						13	6
DELAWARE SECTION																		
DELAWARE SECTION	63.6	0.4						4.15	.51									
SECTION	63.5	0.5						4.77	1.11									

See reference notes following Station Index.

DAILY PRECIPITATION

MARYLAND AND DELAWARE
MAY 1949

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																																		
ABERDEEN PHILLIPS FIELD	.03	.94	.02				.98		.24	.35				T	.01				T	T		1.24	.07	.76	T	.08							4.72	
ANNAPOLIS U S N ACADEMY	T	1.24	T			.05	.11		.12	T	.22			T	.82	T				T	T	.30	1.30	.04	.64	T	.05	.05	.01	.27			5.22	
BALTIMORE WB AIRPORT	.05	1.12	.01			.05	.83		.18	.15				T	.02	.36	T					.12	2.21	.05	.56	.02	.12						5.85	
BALTIMORE WB CITY	.16	1.17	T			T	.09		.25	.89				T	.06	.42	T					.08	1.80	.02	1.12	.01	.03						5.90	
BALTIMORE HAMILTON	.08	.18	.88						T	.74				T	.05	.10	.24						.43	1.16		.86	.05						4.77	
BATTERY PARK	.08	.08	1.08			T	.40			.13	T			T	.36	.26					.14	T	.01	.53	1.08		.73	.04	.16	.25			6.35	
BELTSVILLE	.02	.84		T				.04		.10	.01	.01			.08	1.43						.43	1.20	T	.29	T	.20	.18					4.83	
BELTSVILLE PLT IND STA 1	.03	.08	.63					.15		.12	T				.03	.80						.50	1.42		.24		.31	.24					4.36	
BELTSVILLE PLT IND STA 2	.03	.04	.62					.15		.12	T				.05	.78							.47	1.40		.27		.33	.25					4.50
BELTSVILLE PLT IND STA 3	.02	.04	.68					.17		.15	T	T			.08	.82							.47	1.40		.27		.33	.25					4.68
BELTSVILLE PLT IND STA 4	.02	.05	.65					.18		.14	T	T			.01	.92							.43	1.34		.32		.24	.25					4.42
BELTSVILLE PLT IND STA 5	.03	.05	.71					.22		.12	T				.01	.79							.46	1.39		.33		.25	.26					4.70
BELTSVILLE PLT IND STA 6	.03	.03	.81					.22		.12	T				.01	.79							.46	1.39		.33		.25	.26					4.95
ENSON POLICE BARRACKS	.08	.03	.67				.82			1.04					T	.04							.68	1.02		.47	.10							4.18
BENTLEY SPRINGS	.20	.02	.72				.58		.01	1.13	T				.01							.02	.28	.50	.10	.11								4.18
BETHESDA	.03	1.20	.04					.20							1.23							.33	.98	.05	.99	.07	.23		.21					5.56
BLACKWATER						.50					.27	T											1.15		.90	.27	.37	.08						3.54
BRIGHTON DAM	.20	.03	1.48						T	.73					.10	.05	.26						.98	1.08		1.05	.05	.11	.10					6.22
BROOKSIDE MANOR	.07	.05	.69			.38			T	.09	.02				.52	1.08						.01	T		.61	.06	.13	.24						5.00
BURNT MILLS RESERVOIR	.05	.03	.69			.39		.29		.15	.01				.03	1.38							.52	1.21		.50	.31							5.45
CAMBRIDGE			.35				.62				.45	.04				.07							.65	.03		.67	.24	.45	.05					3.62
CHARLOTTE HALL	.02	.39	1.15				3.25			.31	.54				.16							.19	1.80	.02	.79	.03	.08	.06						8.79
CHELTENHAM	.03	1.54	.70			.08		.03		.24	.07				.54							.03					.26	.10						5.28
CHESTERTOWN	T	.15	.71					.10	.04	.20		.35	T		.10								2.11	.48	.76	.09	.07	.07						5.35
CHEWSVILLE BRIDGEPORT	.32	.02	.50		.01		.78		.28	.49	.20				.38	.06	T					.01	.65	.18	.58		.15	T					4.41	
CLEAR SPRING	.32	.34	.56			T	.41	.28	.33	.66					.38	.06	T						.56	.32	.39	T	.35	T						4.86
COCKEYSVILLE	.05	.67	.18					.13	.45		.04				.05	.15	T					T	1.60	.05	.35	.03	.03							3.74
COLEMAN	.05	.15	1.45			.12	.70		.23	.04					T	.07						T	.55	1.71	T	.80	.11	.02						6.00
COLLEGE PARK UNIV OF MD	.11	.06	.84			.36			.12	.04					.02	1.42							.59	.95		.80	.10	.14	.24					5.79
CONOWINGO DAM	.13	.20	.47					.09	1.20	.04						1.42						T	1.57	1.22	.48	.05	.10							4.41
CONOWINGO POLICE BARRACKS	.17	.02	.60				.02		1.28	.02	.05					.13	.08	.15				.02	.01	.01		.33	1.25	.52	.17	.02	.01			4.50
CRISPFIELD	.27		.22				.05		.82	.20					.80	.05							.79	.60	.05	.80	.38	.13						3.92
CUMBERLAND	.15						.05		.92	.20					.64	.01							.57	.60	.02	.22	.22							3.75
CUMBERLAND POLICE BRKS	.15						.05		.92	.20					.64	.01							.57	.60	.02	.22	.22							3.75
DALECARLIA RESERVOIR DC	.07	*	1.68					.33	*	.84	.10				1.22								.46	1.06	.02	.62	.05	.23	.17					5.98
DISTRICT HEIGHTS	.06	.55	1.71			.52	.02		.03	.13	.33				1.33	.25						.01	.74	1.37		.65	.04	.22	.16					8.12
DUNDALE	.04	.14	.95			.02	.91		.03	.35					.04	.17	.20						.48	1.89	.07	.74	.04	.08	T					6.15
EASTON POLICE BARRACKS	.35	.12	.45					.12		.05	.25	T			.17	.03							.85	.15		1.67	.17							3.66
EDGEMONT	.12	.12	.45							.48	.15				.22	.56							.22	.56		.64	.47	.44						3.65
ELKTON	1.25	.91				.04			.63						.55	1.01							.55	1.01		.53	.47	.44						5.39
EMMITSBURG	.32	.03	.87					.13	.45						T	.57	T	T	T			.05	.32	.64	.54	.06	.07	.07						4.12
FALLSTON	.16	.17	.55				.68	.05	1.05						.65	.95	.56						.65	.95	.56	.12	.12							5.02
FORT GEORGE G MEADE	.48	.46	1.35				.04		.20	T					T	1.30							.71	1.60		1.27	.06	.29	.16					7.92
FREDERICK	.31	.03	.64				.02		.10	1.19					.29	.13	.01						1.08	.37	.55	.23	.09	.08						5.12
FREDERICK POLICE BRKS	.57	.03	.59					.03	1.12						.19	.13							1.05	.30	.16	.57	.07	.17						4.98
FREDERICK WB AIRPORT		.02	.84				.02		1.13	.04					.19	.22		.01	T				.93	.57	T	.28	.09	.06						4.68
FREDERICK 3 E	.39		.71			T			.84	T					.22	.08							.65	1.53	T	.59	T	.19						4.55
FROSTBURG	.24						.51	.34	.04						.04	.13						.02	.65	.03	.02	.30	T	.04						5.34
GLEN ECHO	.08	.85	.05					.20							1.08								.19	.78	.25	.94	.02	.17						4.81
GLENN DALE BELL STATION	.14	.81	1.40			.56	T	.04	.08	.07	.03				1.37								.59	1.25		1.14	.04	.17	.20					7.96
GRANTSVILLE	.06																					.09	.07	.27	.70	.08	.18	.29						5.82
GRASONVILLE			1.74			.75	.06		.05	.47	.04				.52	.38							.62	.38		.79	.15	.22						6.15
GREAT FALLS	.20	.05	1.04				.10		.22	.04					.42								.26	2.08		.96		.10	.19					5.68
GREENBELT	.03	.10	1.32			.01	.07		.11	.01	.02				.03	.34	.05	.01					.39	1.18		.74	.27	.24						4.89
GROSVENOR LAWE	.22	.15	1.76					.17	.02						.03	.30	.05	T				.18	T	.88	.88	.50	.04	.21	.21					5.93
HAGERSTOWN	.40	T	.64			.90		.23	.31						.19	.05	.10						.60	.20	.59		.16							4.27
HANCOCK FRUIT LABORATORY	.35	.16	.02		.10			.69	.07						.40	.02							.29	.72		.09	T	.24						3.15
HUNTINGTON	.15	.57	.98				.15		.26	.38					.12	.18						.33	.89		.95	.02	.16	.05						5.04
KEDYSVILLE	.28	.08	.44			.06		.33	.33	.41	.48				.22	.03							.61	.44		.23	.23							2.92

HOURLY PRECIPITATION

MARYLAND AND DELAWARE

MAY 1949

Table 4

Station	A. M. Hour ending												P. M. Hour ending												Total		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12			
-1st-																											
MARYLAND																											
BALTIMORE WB AIRPORT 6			*		*	*	*		*	.03	*	*	*	*		.02											
BALTIMORE WB CITY				.01					.13		.01		.01													.16	
BALTIMORE PLANT INDUSTRY STA NO 5									.02							.02		.01								.05	
BETHESDA																										.03	
COCKEYSVILLE																										.05	
GLEN ECHO													.02	.03	.01	.01										.08	
GRANTSVILLE																										.06	
LEONARDTOWN	.03						.01	.01	.01												.04		.01			.02	
LUKE	.01	.01																								.09	
SINES DEEP CREEK	.03	.01	.01		.02			.01	.01		.01						.03	.19	.08							.33	
UNIONVILLE				.01	.01	.03		.02	.05	.03		.01	.04		.03	.01										.24	
WASHINGTON WB CITY DC										.01						.02										.03	
-2d-																											
MARYLAND																											
ABERDEEN PHILLIPS FIELD										*	*	*	*	*		.02	*	*	*	*	*	.21	*	.11	.58	.14	.83
ANNAPOLIS U S NAVAL ACADEMY																						*	*	*	*	.91	
BALTIMORE WB AIRPORT 6																						*	.20	*	*	*	
BALTIMORE WB CITY																	.09	.04	*	*	*	.02	.07	.61	.21	.13	1.17
BELTSVILLE																.02	.04						.32	.30	.18	.02	.90
BELTSVILLE PLANT INDUSTRY STA NO 5																	.02							.10	.28	.17	.57
BETHESDA																.01	.02	.01	.03		.01			.52	.42	.18	1.20
COCKEYSVILLE																.01	.04	.04		.01	.02	.04		.11	.20	.20	.67
GLEN ECHO																	.01	.04	.04					.50	.18	.12	.85
LEONARDTOWN																.89	.05	.04			.04	.32	.24	.13	.06	1.73	
SALISBURY MUNICIPAL AIRPORT 6																					*	*	*	*	*	*	
UNIONVILLE																				.13	.18	.07	.13	.13		.64	
WASHINGTON WB CITY DC																.03	.02					.08	.86	.19	.03	1.21	
-3d-																											
DELAWARE																											
WILMINGTON WB AIRPORT 6																*	*	*	*	*		.45	*	*	*	*	
-4th-																											
MARYLAND																											
ABERDEEN PHILLIPS FIELD	.06	.01																								.07	
BALTIMORE WB AIRPORT 6	*	.93																								.05	
BELTSVILLE PLANT INDUSTRY STA NO 5	.04	.01		.01																						.04	
BETHESDA	.03	.01																								.18	
COCKEYSVILLE	.14	.03	.01																							.05	
GLEN ECHO	.04	.01																								.05	
SALISBURY MUNICIPAL AIRPORT 6	*	.20	*	*	*	*	*	.03																		.06	
SHARPTOWN																		.02							.04	.06	
UNIONVILLE	.04	.02	.01																							.07	
-5th-																											
DELAWARE																											
WILMINGTON WB AIRPORT 6	*	1.10	*	*	*	*	*	.10																		.16	
-6th-																											
MARYLAND																											
ANNAPOLIS U S NAVAL ACADEMY			*	*	*	*	*	.05																		.01	
BALTIMORE WB AIRPORT 6			*	*	*	*	*	.05																		.01	
WASHINGTON WB CITY DC				.01																						.01	
-7th-																											
MARYLAND																											
ABERDEEN PHILLIPS FIELD																.31	.65	.01								.97	
ANNAPOLIS U S NAVAL ACADEMY																*	*	*	*	*		.11				.05	
BALTIMORE WB AIRPORT 6																*	*	*	*	*		.83				.09	
BALTIMORE WB CITY																.01	.08									.09	
BELTSVILLE PLANT INDUSTRY STA NO 5										.01	.02	.03	.02	.01	.01	.01	.01	.19	.01							.11	
LEONARDTOWN																.26	.19		.01							.46	
SALISBURY MUNICIPAL AIRPORT 6															*	*	*	*	*			.17				.27	
UNIONVILLE												.27														.27	
WASHINGTON WB CITY DC																.02						.09				.11	
-9th-																											
MARYLAND																											
ABERDEEN PHILLIPS FIELD																									.05	.04	.09
ANNAPOLIS U S NAVAL ACADEMY																*	*	*	*	*		.07	*	*	*	.05	
BALTIMORE WB AIRPORT 6															*	*	*	*	*			.07	*	*	*	.05	
BALTIMORE WB CITY															*	*	*	*	*			.06	.08	.08	.01	.01	.25
BELTSVILLE																	.02	.06	.04			.04				.02	.14
BELTSVILLE PLANT INDUSTRY STA NO 5																		.05	.04			.04				.01	.10
BETHESDA			.05	.01														.03	.09			.03	.04			.02	.20
COCKEYSVILLE																		.02				.02				.13	
GLEN ECHO			.02	.08																	.08	.02	.03			.20	
LEONARDTOWN																										.40	
LUKE															.01	.10	.55	.45	.41		.13	.22	.01			1.52	
SHARPTOWN																.03	.10	.12								.25	
SINES DEEP CREEK																.01	.03	.13	.02	.01						.20	
UNIONVILLE																.14	.10									.28	
WASHINGTON WB CITY DC																	.06	.02				.02		.02	.02	.10	

See reference notes following Station Index.

HOURLY PRECIPITATION

MARYLAND AND DELAWARE

MAY 1949

Table 4-Continued

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
DELAWARE																									
WILMINGTON WB AIRPORT 6																*	*	*	*	*	.01	*	*	*	*
-10th-																									
MARYLAND																									
ABERDEEN PHILLIPS FIELD	.03	.02	.01	.07	.03	.02		.03		.16	.08	.03	.03												.51
BALTIMORE WB AIRPORT 6	*	.11	*	*	*	*	*	.08	*	*	*	*	*	.07											
BALTIMORE WB CITY				.05	.03	.07	.52	.02																	.69
BELTSVILLE				.01			.02	.01										.01			.01				.06
BELTSVILLE PLANT INDUSTRY STA NO 5			.01																						.01
COCKEYSVILLE	.04	.01	.01	.15	.05	.06		.12			.01														.45
LUKE							.03			.06															.09
SALISBURY MUNICIPAL AIRPORT 6									*	*	*	*	*	.02											
SHARPTOWN																							.02	.01	.03
SINES DEEP CREEK						.02	.07	.07		.02	.02														.22
UNIONVILLE	.01		.30	.21	.15	.03	.02																		.72
DELAWARE																									
WILMINGTON WB AIRPORT 6	*	.19	*	*	*	*	*	.24	*	*	*	*	*	.07											
-11th-																									
MARYLAND																									
ANNAPOLIS U S NAVAL ACADEMY									*	*	*	*	.10	*	*	*	*	*	.12						
LEONARDTOWN				.04			.10	.12	.08	.04	.02	*	.04	.06	.04				.01			.02	*	*	.57
SALISBURY MUNICIPAL AIRPORT 6		*	*	*	*	*	.02	.02	*	*	*	*	.20	*	*	*	*	*	*	.27	*	*	*	*	
SHARPTOWN	.01			.01	*	*	.02	.06	.09	.07	.01		.01	.03				.03	.03						.37
WASHINGTON WB CITY														.01	.02	.01									.04
-12th-																									
MARYLAND																									
SALISBURY MUNICIPAL AIRPORT 6	*	.01																							
-13th-																									
MARYLAND																									
UNIONVILLE														.07	.08										.15
-14th-																									
MARYLAND																									
BALTIMORE WB AIRPORT 6														*	*	*	*	*	.02						
BALTIMORE WB CITY																	.02	.04				.01	.01		.06
BELTSVILLE																	.10								.12
COCKEYSVILLE																	.05								.05
SINES DEEP CREEK																.07	.08								.08
UNIONVILLE																.01	.01								.09
-15th-																									
MARYLAND																									
ANNAPOLIS U S NAVAL ACADEMY														*	*	*	*	*	.54	*	*	*	*	.28	
BALTIMORE WB AIRPORT 6														*	*	*	*	*	.33	*	*	*	*	*	
BALTIMORE WB CITY																.01	.30	.09	.02						.42
BELTSVILLE				.95	.71		.18																		1.84
BELTSVILLE PLANT INDUSTRY STA NO 5																		.44	.13	.22	.03				1.82
BETHESDA																	.33	.60	.18	.12					1.23
COCKEYSVILLE																	.02	.13							1.15
GLEN ECHO																	.73	.23	.12						1.08
GRANTSVILLE																									
LUKE										.29	.01						.01	.02							.33
SINES DEEP CREEK																.26	.17								.44
WASHINGTON WB CITY DC																.01	.60	.19	.11	.01					.92
-16th-																									
MARYLAND																									
BALTIMORE WB AIRPORT 6	*	.03																							
SINES DEEP CREEK							.02																		.02
-19th-																									
MARYLAND																									
GRANTSVILLE								.08	.01																.09
WASHINGTON WB CITY DC																		.02							.02
-20th-																									
MARYLAND																									
GRANTSVILLE							.07																		.07
SINES DEEP CREEK	.02	.10		.01	.15	.02	.02	.02		.02		.01													.37
DELAWARE																									
WILMINGTON WB AIRPORT 6																*	*	*	*	*	.02				
-21st-																									
MARYLAND																									
ANNAPOLIS U S NAVAL ACADEMY																*	*	*	*	*	.30	*	*	*	*
BALTIMORE WB AIRPORT 6																					*	*	*	*	
BALTIMORE WB CITY																									.08
BELTSVILLE																		.05		.02		.03			.28
BELTSVILLE PLANT INDUSTRY STA NO 5																							.04	.09	.13
BETHESDA																							.07	.26	.33
GLEN ECHO																									.19
GRANTSVILLE																.02				.01	.01	.16	.07	.19	
LEONARDTOWN																					.20	.39	.05	.25	.89
LUKE																					.11	.26	.05	.42	
SALISBURY MUNICIPAL AIRPORT 6																				*	*	*	*	*	

See reference notes following Station Index.

HOURLY PRECIPITATION

MARYLAND AND DELAWARE

MAY 1949

Table 4-Continued

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
SINES DEEP CREEK																				.02	.25	.06			.33
UNIONVILLE																						.02	.03	.07	.10
WASHINGTON WB CITY DC																						.02	.26	.12	.40
DELAWARE																									
WILMINGTON WB AIRPORT 6																									-22d-
MARYLAND																									
ABERDEEN PHILLIPS FIELD	.09	.01			.09	.09						.04		.01							.42	.16	.06	1.20	
ANNAPOLIS U S NAVAL ACADEMY	* .01	*			*	*	.22					*	*	*	*	*	*	*	*	*	*	*	*	.90	
BALTIMORE WB AIRPORT 6	* .20	*			*	*						*	*	*	*	*	*	*	*	*	*	*	*	.13	
BALTIMORE WB CITY	.03			.03	.25	.01						.03	.02	.01						.45	.53	.32	.03	1.81	
BELTSVILLE	.15	.01		.07							.02		.04						.04	.13	.35	.02	.53	1.22	
BELTSVILLE PLANT INDUSTRY STA NO 5	.02	.01	.01	.02	.01	.01					.01	.01		.01	.01				.02	.03	.02	.01	.12	.43	
BETHESDA	.04	.01		.01	.01	.20	.30	.01	.01			.01	.01							.02	.73	.48	.04	.98	
COCKEYSVILLE	.12	.01		.01								.01	.02	.01							.19	.06	.19	1.60	
GLEN ECHO			.03	.10							.02	.02	.03					.01	.26	.23				.70	
GRANTSVILLE	.15	.05	.01	.01	.14	.03			.01	.01	.02	.03	.01	.01					.34	.18	.36	.02	.02	.45	
LEONARDTOWN	* .17	*	*	*	*	*		1.00	*	*	*	*	*	*	*	*	*	*	*	.04					1.26
LUKE	.16	.16		.05	.24	.39	.07	.06	.02	.04	.01									.30	.13	.01	.08	1.20	
SALISBURY MUNICIPAL AIRPORT 6	.18	.07		.16	.39				.04	.01	.01									.07	.09	.05	.05	.75	
SHARPTOWN			.03								.18	.01									.29	.09	.42	.29	1.06
SINES DEEP CREEK																					.36	.42	.29	.22	1.58
UNIONVILLE																									
WASHINGTON WB CITY DC																									
DELAWARE																									
WILMINGTON WB AIRPORT 6	*	.03	*		*	*	*		.27	*	*	*	*	*	.20										-23d-
MARYLAND																									
ABERDEEN PHILLIPS FIELD	.06		.01	.02	.01																				.10
ANNAPOLIS U S NAVAL ACADEMY	* .04																								
BALTIMORE WB AIRPORT 6	* 1.84																								
BALTIMORE WB CITY	.02																								.02
BELTSVILLE PLANT INDUSTRY STA NO 5	.02																								.02
BETHESDA	.02	.01		.01	.01																				.05
COCKEYSVILLE	.02	.02	.01																						.05
GLEN ECHO	.20	.01	.01	.01	.01	.01			.01	.01															.25
GRANTSVILLE	.06										.01														.08
SALISBURY MUNICIPAL AIRPORT 6	* .01	*	*	*	*	*		.03																	.04
SHARPTOWN	.01	.01		.02	.01		.01	.02	.01	.01			.01												.07
SINES DEEP CREEK				.01			.01	.02	.01	.01			.01												.01
UNIONVILLE	.01																								
WASHINGTON WB CITY DC																									
DELAWARE																									
WILMINGTON WB AIRPORT 6	*	.59																							-24th-
MARYLAND																									
ABERDEEN PHILLIPS FIELD																				.34	.30	.03	.01	.01	.72
ANNAPOLIS U S NAVAL ACADEMY																				*	.46	*	*	.18	
BALTIMORE WB AIRPORT 6														*	*	*	*	*	*	*	.43	*	*	*	
BALTIMORE WB CITY																				.49	.36	.10	.05	.04	.12
BELTSVILLE																				.04	.09	.07	.04	.04	.30
BELTSVILLE PLANT INDUSTRY STA NO 5																				*	*	*	*	*	.28
BETHESDA																									.99
COCKEYSVILLE																				.75	.08	.10	.03	.01	.35
GLEN ECHO																				.13	.16	.02	.02	.01	.94
GRANTSVILLE													.04							.74	.02	.12	.03	.03	.16
LEONARDTOWN																				.09	.01	.01	.01	.01	.72
SALISBURY MUNICIPAL AIRPORT 6																				.46	.18	.03	.01	.01	1.07
SHARPTOWN																									.54
SINES DEEP CREEK							.01				.03	.01								1.07	.09	.05	.01		.50
UNIONVILLE																				.05	.30	.05	.05	.05	.79
WASHINGTON WB CITY DC																				.58	.08	.08	.03	.02	
DELAWARE																									
WILMINGTON WB AIRPORT 6	*																			*	*	*	*	*	-25th-
MARYLAND																									
ABERDEEN PHILLIPS FIELD	.03			.01	.02	.01	.01																		.08
ANNAPOLIS U S NAVAL ACADEMY	* .05																								
BALTIMORE WB AIRPORT 6	* .15																								
BALTIMORE WB CITY	.01																								.01
BETHESDA	.02	.03		.01	.01																				.07
COCKEYSVILLE	.01	.01	.01																						.03
GLEN ECHO	.01	.01																							.02
SALISBURY MUNICIPAL AIRPORT 6	* .64	*	*	*	*	*		.03																	.01
WASHINGTON WB CITY DC	.01																								
DELAWARE																									
WILMINGTON WB AIRPORT 6	*	.53																			.01	*	*	*	-26th-
MARYLAND																									
ABERDEEN PHILLIPS FIELD												.03	.02												.05
ANNAPOLIS U S NAVAL ACADEMY														*	*	*	*	*	*	*	.01	*	*	*	
BALTIMORE WB AIRPORT 6														*	*	*	*	*	*	*	.02	*	*	*	
BALTIMORE WB CITY																									.03
BELTSVILLE																					.15	.01	.01		.16
BELTSVILLE PLANT INDUSTRY STA NO 5													.03			.01									.22
BETHESDA																					.09	.14			.23
COCKEYSVILLE											.01	.02													.03

See reference notes following Station Index.

HOURLY PRECIPITATION

MARYLAND AND DELAWARE

MAY 1949

Table 4--Continued

Station	A. M. Hour ending												P. M. Hour ending												Total	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
GLEN ECHO							.06	.07		.04	.09		.01						.14	.03				.17		
GRANTSVILLE																.02								.29		
LEONARDTOWN																.02	.02	.03	.01	.04				.12		
LUKE							.04	.02	.03	.01														.10		
SALISBURY MUNICIPAL AIRPORT 6																*	*	*	*	.32	*	*	*	.33		
SINES DEEP CREEK							.06	.09	.11	.02	.01		.01	.01	.01		.01							.27		
UNIONVILLE	.02	.01									.15	.01		.01	.01			.06						.24		
WASHINGTON WB CITY DC												.03	.01	.01					.18	.01						
DELAWARE																										
WILMINGTON WB AIRPORT 6									*	*	*	*	*	.15												
MARYLAND																										
ANNAPOLIS U S NAVAL ACADEMY																					*	*	*	.01		
BALTIMORE WB AIRPORT 6	*	.09																								
BELTSVILLE																	.01		.01					.02		
SALISBURY MUNICIPAL AIRPORT 6	*	.01																								
SHARPTOWN																					.11	.09	.03	.02		
SINES DEEP CREEK																			.02					.02		
MARYLAND																										
ANNAPOLIS U S NAVAL ACADEMY			*	*	*	*	*	.27																		
BELTSVILLE				.10	.10																			.20		
BELTSVILLE PLANT INDUSTRY STA NO 5				.13	.07																			.20		
BETESDA		.01		.01	.17	.02																		.21		
GLEN ECHO				.18	.02																			.20		
SALISBURY MUNICIPAL AIRPORT 6									*	*	*	*	*	.02										.02		
SINES DEEP CREEK																								.02		
WASHINGTON WB CITY DC				.13	.05																			.18		

-27th-

-28th-

See reference notes following Station Index.

DAILY TEMPERATURES

MAY 1949

Table 5

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		
ABERDEEN PHILLIPS FIELD	MAX	75	72	79	83	83	87	87	70	72	61	57	70	74	77	74	68	76	82	87	80	70	75	76	79	70	64	65	65	68	71	77	74.0
	MIN	58	59	56	50	54	62	57	49	46	55	41	40	45	50	56	54	57	60	65	51	47	50	58	55	45	44	45	45	42	40	47	51.1
ANNAPOLIS U S NAVAL ACAD	MAX	69	66	76	76	73	79	76	68	68	64	56	65	67	72	74	62	71	74	86	79	62	72	75	75	66	63	66	70	67	69	75	70.4
	MIN	59	60	59	59	60	65	66	58	54	56	50	49	51	54	62	55	60	62	68	56	54	53	62	61	54	53	47	48	50	49	56	56.5
BALTIMORE WB AIRPORT	MAX	74	70	80	84	88	90	90	74	73	64	58	70	71	80	76	67	78	83	88	80	67	73	83	87	63	67	65	67	63	79	75	75.0
	MIN	59	60	59	56	60	66	58	53	53	55	48	44	49	53	59	55	61	62	67	54	52	54	63	61	55	52	48	50	47	48	58	55.5
BALTIMORE WB CITY	MAX	72	71	83	83	88	92	91	71	72	65	57	70	70	83	76	66	76	86	88	79	65	77	78	83	68	64	68	66	68	72	78	75.0
	MIN	60	61	62	60	62	69	60	55	54	56	49	45	50	53	60	56	62	63	69	55	52	54	64	64	56	53	48	50	49	50	58	56.7
BALTIMORE HAMILTON	MAX	72	70	81	83	87	91	90	71	72	64	57	71	71	79	76	69	77	82	86	83	65	74	86	83	70	65	66	68	71	78	74.6	
	MIN	57	62	56	54	56	66	62	51	46	55	46	39	47	50	55	53	58	57	63	56	50	51	61	66	53	47	42	45	41	42	50	52.5
BATTERY PARK	MAX	75	72	82	89	90	91	90	72	76	66	58	71	72	84	81	68	78	87	78	67	76	77	86	78	66	67	66	68	73	79	76.0	
	MIN	58	64	55	51	55	68	62	48	47	57	45	35	50	51	54	56	58	60	60	52	52	59	51	52	44	36	45	39	39	50	51.8	
BELTSVILLE	MAX	71	76	73	80	87	88	91	89	71	77	61	57	70	72	82	80	69	78	84	86	78	65	78	74	81	66	65	67	65	72	74.8	
	MIN	56	60	55	47	50	65	62	49	42	57	47	34	43	42	53	56	55	55	63	61	50	53	57	50	52	42	39	46	43	38	50.3	
BELTSVILLE PLT IND STA 1	MAX	72	69	74	82	86	89	91	89	71	76	61	55	71	72	83	79	65	77	84	84	79	66	78	75	82	66	62	67	65	67	71	74.5
	MIN	58	61	55	46	49	64	59	51	41	57	47	37	42	41	52	55	55	54	60	60	51	52	57	48	53	41	40	45	43	38	47	50.3
BELTSVILLE PLT IND STA 2	MAX	72	75	74	82	89	88	92	89	72	75	61	55	71	73	82	80	70	78	85	87	79	67	77	75	82	66	65	68	66	68	72	75.3
	MIN	55	60	54	45	49	64	58	51	41	57	47	35	41	41	51	56	56	54	59	61	51	53	57	44	54	41	39	43	44	37	46	49.9
BELTSVILLE PLT IND STA 3	MAX	71	74	81	87	88	92	89	71	76	61	55	70	72	83	80	68	77	85	86	79	65	77	75	82	66	65	67	67	72	74.8		
	MIN	54	60	55	48	52	65	61	51	43	57	47	39	43	43	53	56	56	57	63	63	52	52	57	50	53	42	45	44	40	49	51.4	
BELTSVILLE PLT IND STA 4	MAX	73	76	73	82	88	88	92	90	72	75	61	56	72	73	83	80	69	78	85	86	79	67	77	75	81	66	64	66	67	72	75.3	
	MIN	56	60	57	52	56	65	63	50	44	57	47	40	47	51	59	56	57	58	63	63	51	52	56	53	54	45	42	46	43	41	51	52.7
BELTSVILLE PLT IND STA 5	MAX	72	75	74	81	90	87	91	90	74	75	61	56	71	71	82	82	69	79	85	88	79	65	77	75	82	66	65	66	67	72	75.2	
	MIN	57	59	54	45	49	62	58	51	41	58	48	33	41	41	51	56	56	55	59	61	52	53	57	49	54	41	39	44	42	37	46	50.0
BELTSVILLE PLT IND STA 6	MAX	71	75	75	80	88	89	91	90	72	76	61	56	71	72	83	80	68	78	85	88	80	66	78	76	82	67	65	67	65	68	72	75.3
	MIN	57	60	55	50	53	64	62	50	44	56	46	39	44	42	53	55	55	56	60	62	50	51	56	52	52	43	41	43	40	48	51.1	
BENSON POLICE BARRACKS	MAX	73	78	80	86	86	91	88	70	70	69	57	69	75	77	75	71	77	81	86	83	65	73	75	82	74	63	66	65	69	76	74.4	
	MIN	55	59	56	49	52	63	58	46	41	53	43	37	31	36	52	49	54	54	58	53	42	42	57	53	42	41	42	38	37	43	47.9	
BENTLEY SPRINGS	MAX	70	68	79	86	88	89	85	69	73	63	58	68	70	81	74	67	78	82	83	79	63	72	75	79	64	62	65	62	66	70	73.0	
	MIN	56	61	54	47	54	61	58	44	40	52	43	33	42	43	51	50	56	55	61	53	45	50	57	50	51	41	35	37	35	44	42	48.1
BLACKWATER	MAX	75	74	74	81	80	80	82	78	69	68	57	62	68	71	79	73	74	78	86	86	65	77	77	75	87	64	64	66	68	74	73.2	
	MIN	59	64	66	48	54	62	62	54	41	57	46	44	44	51	52	51	59	62	66	64	48	52	66	53	58	46	49	46	44	58	54.0	
BRIGHTON DAM	MAX	75	72	78	86	89	91	91	70	76	73	68	70	71	83	84	70	76	84	85	83	72	75	77	82	80	65	65	66	70	71	77	76.6
	MIN	57	63	53	45	50	61	58	50	50	56	50	36	42	41	49	55	57	53	57	59	46	48	57	47	54	41	36	36	39	37	49.0	
BRIGHTWOOD DC	MAX	73	76	74	82	87	89	92	91	70	76	62	54	71	71	84	81	69	76	86	88	81	65	77	76	83	67	66	68	67	73	75.9	
	MIN	53	62	59	55	62	67	68	53	50	57	49	43	50	54	58	57	57	63	65	65	53	53	59	57	55	51	43	49	47	46	55	54.4
BROOKSIDE MANOR	MAX	78	76	80	86	84	88	89	74	76	61	56	71	73	80	79	63	77	85	89	82	70	79	79	82	68	65	68	69	73	79	75.7	
	MIN	59	64	58	52	62	65	60	52	46	55	46	42	44	50	56	54	55	60	60	54	51	51	61	56	51	48	46	49	43	43	55	58.8
CHEWVILLE BRIDGEPORT	MAX	72	74	81	86	89	90	86	72	74	64	60	70	72	80	77	70	77	83	85	74	60	73	74	78	66	63	65	63	68	72	78	74.1
	MIN	57	65	53	48	53	58	59	45	53	55	41	36	46	48	55	58	53	54	65	53	47	52	58	51	48	44	46	41	34	37	45	49.9
CLEAR SPRING	MAX	72	75	84	85	87	91	80	74	70	61	68	72	80	77	69	77	84	85	77	58	73	74	78	65	60	67	64	68	72	76	74.0	
	MIN	57	63	53	49	53	57	47	48	53	58	41	37	49	48	56	58	56	54	57	56	49	52	58	51	47	45	41	43	42	40	49	50.5
COLEMAN	MAX	79	75	83	89	87	92	92	76	77	66	66	76	77	83	79	67	81	88	91	81	70	80	80	85	71	65	73	69	74	78	78.3	
	MIN	56	63	57	53	56	63	59	53	44	55	48	45	43	48	57	53	55	58	64	56	49	50	59	57	53	47	46	49	46	44	52	52.9
COLLEGE PARK UNIV OF MD	MAX	75	75	82	89	89	92	92	72	77	75	59	71	72	83	80	76	78	86	88	86	66	78	83	82	66	67	67	67	72	79	77.5	
	MIN	53	59	53	48	52	66	65	51	44	56	46	39	44	43	54	56	57	64	62	52	45	48	54	43	42	47	44	39	43	52	53.3	
CONOWINGO DAM	MAX	72	71	81	82	83	89	87	71	71	63	57	70	71	78	72	68	76	82	87	79	66	75	77	81	66	63	66	64	67	71	78	75.7
	MIN	54	62	56	49	53	60	60	50	43	55	44	42	45	48	54	54	56	57	61	53	44	51	58	57	47	44	47	45	40	39	47	50.7
CONOWINGO POLICE BARRACKS	MAX	75	75	79	85	87	93	90	70	72	72	58	70	71	80	77	71	79	84	81	73	66	75	78	82								

DAILY TEMPERATURES

Table S-Continued

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	
KEEDYSVILLE	MAX	73	75	86	89	93	93	89	75	76	66	62	72	74	85	81	69	78	85	87	80	62	74	76	82	70	66	68	69	73	75	81	76.9
	MIN	57	64	52	46	53	58	57	41	52	55	41	34	41	52	54	58	56	57	64	56	51	52	58	50	48	43	41	35	36	44	48.7	
LA PLATA	MAX	77	77	82	87	87	91	91	88	77	72	66	71	73	82	82	75	77	86	89	89	68	79	84	74	69	66	68	75	67	80	78.3	
	MIN	59	65	60	50	52	63	62	50	42	57	44	52	53	49	56	56	61	59	69	59	54	51	56	51	53	43	39	48	43	47	50	53.2
LEONARDTOWN	MAX	77	76	79	83	84	89	88	72	76	67	60	67	71	81	79	75	77	78	90	85	67	79	80	82	76	68	68	68	73	79	76	76.2
	MIN	60	64	58	51	54	64	65	55	46	46	44	44	47	52	57	57	56	55	59	63	53	54	66	54	56	45	43	49	45	45	56	54.2
MILLINGTON	MAX	80	79	81	88	86	92	92	84	76	73	57	72	73	81	76	72	78	86	89	84	72	79	77	83	70	65	67	69	72	80	77.6	
	MIN	58	44	59	50	55	66	66	51	43	57	50	42	44	46	54	55	55	59	65	55	47	51	61	54	57	45	47	49	42	52	52.3	
NATIONAL ARBORETUM DC	MAX	77	75	83	88	90	93	93	79	79	77	59	72	73	85	85	78	78	86	89	89	69	75	77	83	82	68	68	68	73	81	78.7	
	MIN	59	64	57	50	56	65	64	51	47	58	48	38	45	48	56	56	58	60	67	66	53	52	61	54	55	45	44	48	41	42	50	53.5
OAKLAND	MAX	76	72	78	84	86	87	81	74	72	65	59	68	73	76	74	72	80	83	80	75	61	76	66	69	58	57	57	59	62	71	73	71.7
	MIN	54	61	40	36	41	44	46	43	45	50	40	31	30	37	43	42	46	45	51	49	45	53	51	41	37	38	31	37	30	29	35	42.0
OCEAN CITY	MAX	70	61	72	75	75	75	80	66	69	62	55	62	65	65	71	65	69	63	75	85	68	65	80	73	70	67	70	68	71	70	71	69.5
	MIN	53	56	60	58	55	61	58	55	52	53	51	50	49	48	52	54	54	55	59	53	50	54	58	58	54	53	53	52	49	54	56	54.1
OWINGS FERRY LANDING	MAX	79	76	81	85	85	91	92	71	75	66	57	67	68	81	78	65	79	84	88	79	65	79	76	81	74	67	68	67	69	73	77	75.6
	MIN	57	63	57	52	55	65	64	51	46	51	46	41	47	49	55	56	59	64	58	52	52	62	54	54	44	41	47	46	43	53	52.8	
OXFORD	MAX	59	63	58	54	59	65	64	57	47	58	47	47	52	59	54	59	62	66	68	50	52	62	59	58	51	51	50	52	49	58	56.1	
	MIN	59	63	58	54	59	65	64	57	47	58	47	47	52	59	54	59	62	66	68	50	52	62	59	58	51	51	50	52	49	58	56.1	
PICARDY	MAX	72	79	83	90	92	92	87	72	76	63	63	74	74	82	80	72	78	89	86	83	57	80	74	77	64	62	60	65	68	77	75.7	
	MIN	58	62	50	49	57	60	59	43	51	56	39	35	41	48	55	52	55	54	61	56	44	54	59	51	44	44	36	39	35	45	49.3	
PIKESVILLE POLICE BARRACKS	MAX	67	72	81	84	89	91	90	70	71	70	60	72	72	82	78	77	78	86	82	78	63	73	78	81	71	64	69	65	68	74	76	75.2
	MIN	56	60	57	53	59	66	63	50	45	53	44	35	42	49	56	54	58	58	61	58	50	59	54	51	49	42	41	42	43	45	51.7	
POCOMOKE CITY	MAX	79	85	78	85	84	86	88	74	78	69	57	62	70	79	85	88	78	81	90	85	68	78	82	71	72	67	69	69	73	81	76.4	
	MIN	57	61	58	50	49	59	61	52	41	58	49	48	42	42	50	54	58	53	63	50	48	59	66	52	56	43	48	48	41	46	53	52.1
PRESTON	MAX	80	77	78	88	84	89	88	73	73	73	57	85	72	79	83	69	76	84	90	86	70	79	80	82	79	69	69	68	67	70	79	77.3
	MIN	59	65	59	51	59	65	65	57	42	57	47	45	44	47	57	54	56	61	66	57	46	50	62	55	57	45	47	49	48	44	54	53.9
PRETTYBOY DAM	MAX	70	67	79	87	89	89	87	73	68	57	68	69	80	76	68	78	83	83	80	68	80	82	80	82	80	73	67	77	68	77	76.0	
	MIN	55	60	55	57	58	64	62	44	52	42	36	45	48	55	52	52	58	64	52	50	53	67	50	59	40	48	41	37	47	51.8		
PRINCESS ANNE	MAX	81	78	77	85	92	94	86	73	77	66	66	69	73	78	85	69	78	84	88	88	68	72	74	78	65	63	65	67	68	71	79	75.1
	MIN	58	63	59	47	49	59	66	54	37	55	50	49	39	40	52	54	59	53	67	67	42	50	58	56	50	47	40	45	37	42	54	51.5
RANDALLSTOWN POLICE BRKS	MAX	72	71	80	86	88	91	89	70	76	70	56	70	71	82	77	67	77	85	81	81	63	74	74	81	69	65	65	64	68	70	79	74.6
	MIN	56	61	55	53	55	63	63	47	40	53	44	36	44	47	55	56	57	61	56	45	50	49	54	50	46	38	42	40	40	40	50.0	
RIDGELY	MAX	78	79	87	85	89	89	80	70	78	75	57	86	72	81	81	66	77	85	82	86	70	80	79	83	79	68	69	67	68	72	79	77.5
	MIN	57	69	58	54	59	69	65	65	50	52	50	46	47	47	52	54	62	62	68	57	49	51	62	62	59	54	50	49	50	53	55.5	
RIVERDALE	MAX	78	76	84	90	91	94	93	75	80	72	57	73	75	85	83	70	79	88	89	80	70	79	78	85	69	66	68	70	74	81	78.1	
	MIN	59	59	56	47	52	66	62	49	44	57	42	35	44	42	53	56	58	56	64	60	52	53	59	51	53	42	38	47	41	38	47	51.0
ROCK HALL	MAX	78	74	80	82	81	84	86	72	73	66	59	70	69	77	80	65	75	82	87	80	72	77	78	79	76	65	67	66	67	69	79	74.7
	MIN	56	64	58	50	49	56	62	54	45	54	50	42	45	51	55	54	53	60	67	56	53	60	62	54	56	45	45	49	47	41	56	52.8
ROCKVILLE	MAX	72	72	80	85	86	89	88	70	73	72	59	68	69	81	81	75	73	83	85	82	64	70	74	81	79	64	65	65	65	68	77	74.7
	MIN	57	64	57	54	58	66	62	50	48	55	46	41	47	50	57	57	58	62	62	62	51	52	60	54	52	49	43	46	43	44	52	53.5
ROYAL OAK	MAX	76	74	79	85	86	87	88	74	75	70	57	68	70	79	81	69	78	85	89	83	67	79	78	81	76	67	69	68	68	71	79	76.0
	MIN	59	64	58	52	58	65	66	56	48	57	48	46	47	51	57	54	57	62	67	58	51	57	62	54	58	48	50	49	49	43	58	55.1
SALISBURY	MAX	80	78	86	85	83	85	85	85	77	78	69	77	70	79	83	70	80	85	88	86	70	79	80	81	79	71	67	69	70	79	78.2	
	MIN	57	62	57	50	52	62	61	54	41	55	49	42	41	43	54	54	57	54	62	69	44	52	66	53	58	43	47	50	42	44	52	52.5
SALISBURY POLICE BARRACKS	MAX	78	76	79	86	84	85	87	86	77	80	56	71	80	80	81	70	81	86	85	85	69	81	80	82	79	79	79	68	70	73	81	78.5
	MIN	56	58	57	50	56	61	64	64	40	56	50	40	40	45	54	56	52	62	62	58	49	44	53	58	43	42	48	42	41	54	51.9	
SALISBURY MUNICIPAL AP	MAX	81	77	78	84	85	85	87	88	76	65	54	68	72	79	81	67	80	85	90	86	67	79	80	82	67	72	66	67	68	72	80	75.7
	MIN	59	62	57	50	52	62	60	45	40	53	49	44	41	43	54	54	56	63	62	51	45	53	59	53	46	43	48	44	40	43	52	50.7
SINES DEEP CREEK	MAX	73	71	77	82	85	86	77	73	72	60	61	67	73	74	72	72	78	8														

TABLE 6
DAILY EVAPORATION (INCHES) AND WIND MOVEMENT (MILES)

STATION		DAY OF MONTH																															TOTAL	DEPART- URE FROM NORMAL
		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		
BELTSVILLE	EVAP. WIND	* 37	* 56	.23 31	.18 18	.10 18	.34 51	.22 21	.26 59	.22 42	.12 41	.10 77	.06 17	.16 27	.20 34	.16 20	.42 9	.06 5	.13 7	.23 29	.24 34	.25 29	.18 123	.43 60	.24 59	.28 64	.27 65	.10 36	.16 85	.24 59	.24 42	.21 25	6.03 1280	

STATION INDEX

MARYLAND AND DELAWARE

MAY 1949

Station	Index No.	County	Drainage	Latitude	Longitude	Elev. (ft.)	Time of observation			Years of record			Observer	Refer to tables	
							Zone	Temp.	Precip.	Temp.	Precip.	Evap.			
DELAWARE															
BRIDGEVILLE	1330	SUSSEX	CHESAPEAKE	38 44	75 38	45	EST	6P	6P	59	59		W M RAY	2 3 5	
DELAWARE CITY REEDY POINT	2625	NEW CASTLE	COASTAL	39 34	75 35	10	EST	4P	4P	63	63		J E MADEN	2 3 5	
DOVER	2730	KENT	COASTAL	39 10	75 32	34	EST	4P	4P	62	62		F J BOWERY	2 3 5	
GEORGETOWN	3570	SUSSEX	CHESAPEAKE	38 39	75 27	50	EST	6P	6P	4	4		E F TURNER	2 3 5	
LEWES	5320	SUSSEX	COASTAL	38 46	75 08	10	EST	8P	8P	5	5		E E LYNCH	2 3 5	
MILFORD	5915	SUSSEX	COASTAL	38 55	75 25	20	EST	6P	6P	54	54		L G MARKERT	2 3 5	
MILLSBORO	6020	SUSSEX	COASTAL	38 35	75 19	20	EST	6P	6P	57	57		P C TOWNSEND	2 3 5	
NEWARK PUMPING STATION	6405	NEW CASTLE	COASTAL	39 40	75 45	110	EST	MID	MID	18	18		G C PRICE	2 3 5	
NEWARK COLLEGE FARM	6410	NEW CASTLE	COASTAL	39 39	75 46	110	EST	6P	6P	37	37		FRED COLLINS	2 3 5	
SMYRNA	8510	KENT	COASTAL	39 15	75 36	45	EST	6P	6P	2	2		C M EWING	2 3 5	
WILMINGTON WB NEW CASTLE	9595	NEW CASTLE	COASTAL	39 40	75 36	73	EST	MID	MID	2	2		U S WEATHER BUREAU	2 3 4 5	
WILMINGTON CITY HALL	9600	NEW CASTLE	COASTAL	39 45	75 33	99	EST	5P	5P	56	56		STREET DEPARTMENT	3	
WILMINGTON PORTER RESERVOIR	9605	NEW CASTLE	COASTAL	39 46	75 32	260	EST	MID	MID	38	38		WATER DEPARTMENT	2 3 5	
DISTRICT OF COLUMBIA															
BRIGHTWOOD	1135		POTOMAC	38 57	77 01	260	EST	8A		3	3		BENJ C CRUCKSHANKS	2 5	
DALECARLIA RESERVOIR	2325		POTOMAC	38 56	77 07	146	EST	3P	3P	4	4		JAMES L KERRICK	2 3 5	
NATIONAL ARBORETUM	6350		POTOMAC	38 54	76 58	70	EST	3P	3P	4	4		JAMES R HARLOW	2 3 5	
U S SOLDIERS HOME	9035		POTOMAC	38 56	77 01	230	EST	7A	7A	5	5		R C PRATT	2 3 5	
WASHINGTON WB CITY	9290		POTOMAC	38 54	77 03	72	EST	MID	MID	79	79		U S WEATHER BUREAU	2 3 4 5	
MARYLAND															
ABERDEEN PHILLIPS FIELD	0015	HARFORD	CHESAPEAKE	39 28	76 10	62	EST	MID	MID	31	31		U S ARMY	2 3 5	
ANAPOLIS U S NAVAL ACADEMY	0185	ANNE ARUNDEL	CHESAPEAKE	39 28	76 28	40	EST	MID	MID	84	84		U S NAVY	2 3 4 5	
BALTIMORE WB AIRPORT	0465	BALTIMORE	CHESAPEAKE	39 15	76 32	18	EST	MID	MID	15	15		U S WEATHER BUREAU	2 3 5	
BALTIMORE WB CITY	0470	BALTIMORE	CHESAPEAKE	39 17	76 37	14	EST	MID	MID	79	79		U S WEATHER BUREAU	2 3 4 5	
BALTIMORE HAMILTON	0475	BALTIMORE	CHESAPEAKE	39 23	76 33	355	EST	6P	6P	2	2		R G BAUER JR	2 3 5	
BATTERY PARK	0565	MONTGOMERY	POTOMAC	39 00	77 07	338	EST	5P	5P	4	4		RAY K LINSLEY	2 3 5	
BELTSVILLE	0700	PRINCE GEORGES	POTOMAC	39 02	76 53	120	EST	8A	8A	12	12		J B SHEPHERD	2 3 4 5 6	
BENSON POLICE BARRACKS	0732	HARFORD	CHESAPEAKE	39 30	76 23	365	EST	5P	5P	2	2		MD STATE POLICE	2 3 5	
BETHESDA	0795	MONTGOMERY	POTOMAC	38 58	77 07	220	EST	MID	MID	5	5		U S ENGINEERS	3 4	
BLACKWATER	0915	DORCHESTER	CHESAPEAKE	38 26	76 08	5	EST	4P	4P	9	9		NATL WILDLIFE REFUGE	2 3 5	
BRIGHTON DAM	1125	MONTGOMERY	PATUXENT	39 13	77 02	350	EST	5P		4	4		FRED S GILPIN	2 3 5	
BROOKDALE	1170	MONTGOMERY	POTOMAC	38 57	77 06	260	EST	7P		4	4		B FRANCIS DAHSTELL	3	
BROOKSIDE MANOR	1180	PRINCE GEORGES	POTOMAC	38 58	76 58	50	EST	6P	6P	4	4		RALPH HIGGS	2 3 5	
BURNT MILLS RESERVOIR	1278	MONTGOMERY	POTOMAC	39 02	77 00	220	EST	8A		4	4		J M JESTER	3	
CAMBRIDGE	1385	DORCHESTER	CHESAPEAKE	38 34	76 09	15	EST	7P	7P	55	55		D'ARCY HARDING	2 3 5	
CHARLOTTE HALL	1685	ST MARYS	PATUXENT	38 28	76 44	167	EST	6P	6P	28	28		J B TENNYSON	2 3 5	
CHELTENHAM	1750	PRINCE GEORGES	PATUXENT	38 44	76 51	230	EST	7A	7A	49	49		U S MAGNETIC OBS	2 3 5	
CHESTERTOWN	1755	KENT	CHESAPEAKE	39 13	76 04	35	EST	11P	11P	44	44		T W ELIASON JR	2 3 5	
CHEWVILLE BRIDGEPORT	1790	WASHINGTON	POTOMAC	39 38	77 44	560	EST	SS	SS	52	52		D PAUL OSWALD	2 3 5	
CLEAR SPRING	1890	WASHINGTON	POTOMAC	39 40	77 54	560	EST	5P	5P	50	50		MRS L A COHILL	2 3 5	
COCKEYSVILLE	1960	BALTIMORE	CHESAPEAKE	39 27	76 39	390	EST	MID	MID	2	2		D M PARKS	3 4	
COLEMAN	1980	KENT	CHESAPEAKE	39 21	76 07	80	EST	SS	SS	52	52		W B HARRIS	2 3 5	
COLLEGE PARK UNIV OF MD	1995	PRINCE GEORGES	POTOMAC	38 59	76 56	95	EST	5P	5P	63	63		R G BROWN	2 3 5	
CONOWINGO DAM	2060	HARFORD	SUSQUEHANNA	39 39	76 10	40	EST	MID	MID	14	14		SUSQUEHANNA ELEC CO	2 3 5	
CONOWINGO POLICE BARRACKS	2065	HARFORD	SUSQUEHANNA	39 39	76 11	195	EST	5P	5P	2	2		MD STATE POLICE	2 3 5	
CRISFIELD	2205	SOMERSET	CHESAPEAKE	37 59	75 51	5	EST	5P	5P	30	30		G C ADAMS SR	2 3 5	
CUMBERLAND	2280	ALLEGANY	POTOMAC	39 39	78 48	623	EST	6P	6P	79	79		R R GOLDEN	2 3 5	
CUMBERLAND POLICE BARRACKS	2285	ALLEGANY	POTOMAC	39 40	78 47	880	EST	6P	6P	2	2		MD STATE POLICE	2 3 5	
DISTRICT HEIGHTS	2585	PRINCE GEORGES	POTOMAC	38 51	76 54	272	EST	6P	6P	4	4		J P KOHLER	2 3 5	
EASTON POLICE BARRACKS	2700	TALBOT	CHESAPEAKE	38 46	76 01	60	EST	5P	5P	59	59		MD STATE POLICE	2 3 5	
EDGEMONT	2770	WASHINGTON	POTOMAC	39 40	77 33	920	EST		8A		11		LEE G HARNE	3	
ELKTON	2860	CECIL	CHESAPEAKE	39 36	75 50	28	EST	6P	6P	23	23		H W BOUCHELLE	2 3 5	
EMMITSBURG	2905	FREDERICK	POTOMAC	39 41	77 21	720	EST	5P	5P	83	83		MT ST MARYS SEMINARY	2 3 5	
FALLSTON	3050	HARFORD	CHESAPEAKE	39 30	76 24	450	EST	6P	6P	80	80		MISS ETHEL CURTISS	2 3 5	
FORT GEORGE G MEADE	3230	ANNE ARUNDEL	PATUXENT	39 07	76 46	195	EST	MID	MID	8	8		U S ARMY	2 3 5	
FREDERICK	3345	FREDERICK	POTOMAC	39 25	77 25	297	EST	5P	5P	80	80		D J MARKEY JR	2 3 5	
FREDERICK POLICE BARRACKS	3348	FREDERICK	POTOMAC	39 25	77 25	380	EST	5P	5P	2	2		MD STATE POLICE	2 3 5	
FREDERICK WB AIRPORT	3350	FREDERICK	POTOMAC	39 25	77 23	294	EST	10P	10P	6	6		U S WEATHER BUREAU	2 3 5	
FREDERICK 3 MI E	3355	FREDERICK	POTOMAC	39 24	77 22	385	EST	8A		1	1		GLENNA R STALEY	3	
FRIENDSVILLE	3400	GARRETT	YOUGHIOGHENY	39 37	79 28	2288	EST	6P	6P	27	27		HARRY N SAVAGE	2 3 5	
FROSTBURG	3410	ALLEGANY	POTOMAC	39 39	78 55	2100	EST	6P	6P	48	48		C A SUTER JR	2 3 5	
GERMANTOWN	3585	MONTGOMERY	POTOMAC	39 10	77 23	460	EST	6P	6P	29	29		R F STALEY	2 3 5	
GLEN ECHO	3645	MONTGOMERY	POTOMAC	38 58	77 09	150	EST	MID	MID	5	5		U S ENGINEERS	3 4	
GLENELG	3655	HOWARD	PATUXENT	39 16	76 59	630	EST	6P	6P	3	3		CLOSED	2 3 5	
GLENN DALE BELL STATION	3675	PRINCE GEORGES	PATUXENT	38 58	76 48	151	EST	4P	4P	29	29		BUREAU PLANT INDUSTRY	2 3 5	
GRANTSVILLE	3795	GARRETT	OHIO	39 42	79 09	2300	EST	MID	MID	7	7		MARY R BITTINGER	3 4	
GRASONVILLE	3805	QUEEN ANNES	CHESAPEAKE	38 57	76 13	8	EST	6P	6P	2	2		MISS CAROLYN COURSEY	2 3 5	
GREAT FALLS	3855	MONTGOMERY	POTOMAC	39 00	77 15	200	EST	5P	5P	61	61		U S ENGINEERS	2 3 5	
GREENBELT	3860	PRINCE GEORGES	POTOMAC	39 01	76 52	200	EST	8A	8A	1	1		WILLIAM H KLINE	2 3 5	
GROSVENOR LANE	3930	MONTGOMERY	POTOMAC	39 01	77 09	330	EST	6P	6P	3	3		A F MAGRUM	2 3 5	
HAGERSTOWN	3975	WASHINGTON	POTOMAC	39 33	77 44	660	EST	6P	6P	8	8		WILLIAM M HAMBY	2 3 5	
HANCOCK FRUIT LABORATORY	4030	WASHINGTON	POTOMAC	39 42	78 11	428	EST	8A	8A	16	16		CHARLES O DUNBAR	2 3 5	
HUNTINGTOWN	4485	CALVERT	CHESAPEAKE	38 37	76 37	160	EST	7P	7P	14	14		ELMER O BOWEN	2 3 5	
KEDYSVILLE	4780	WASHINGTON	POTOMAC	39 29	77 42	420	EST	6P	6P	46	46		TRAVIS D KNOED	2 3 4 5	
LA PLATA	5080	CHARLES	POTOMAC	38 32	76 58	190	EST	5P	5P	35	35		MILTON M SOMERS	2 3 5	
LEONARDTOWN	5200	ST MARYS	POTOMAC	38 18	76 38	100	EST	5P	5P	15	15		THOMAS E STOKEL	2 3 4 5	
LUKE	5530	ALLEGANY	POTOMAC	39 29	79 03	950	EST	8A		12	12		J G PATRICK	3 4	
MARYLAND LINE	5715	BALTIMORE	CHESAPEAKE	39 43	76 39	840	EST	5P	5P	25	25		CLOSED	2 3 5	
MILLINGTON	5985	KENT	CHESAPEAKE	39 15	75 50	27	EST	SS	SS	52	52		HENRY L HIGMAN	2 3 5	
OAKLAND	6620	GARRETT	MONONGAHELA	39 24	79 24	2420	EST	5P	5P	52	52		R E WEBER	2 3 5	
OWINGS FERRY LANDING	6770	CALVERT	CHESAPEAKE	38 42	76 41	120	EST	7P	7P	33	33		THOMAS J BOURNE	2 3 5	
OXFORD	6785	TALBOT	CHESAPEAKE	38 42	76 10	10	EST	5P	5P	13	13		HENRY WILCOX	2 3 5	
PATUXENT RIVER	6915	ST MARYS	COASTAL	38 47	76 24	74	EST	MID	MID	6	6		U S NAVAL AIR STATION	3 4	
PERRY POINT	6980	CECIL	CHESAPEAKE	39 34	76 04	40	EST	6P			9		VETERANS ADMINISTRATION	3	
PICARDY	7010	ALLEGANY	POTOMAC	39 33	78 30	1030	EST	6P	6P	23	23		OSCAR R DAY	2 3 5	
PIKESVILLE POLICE BARRACKS	7015	BALTIMORE	PATAPSCO	39 22	76 43	485	EST	5P	5P	2	2		MD STATE POLICE	2 3 5	
POCOMOKE CITY	7140	WORCESTER	CHESAPEAKE	38 04	75 34	16	EST	5P	5P	21	21		RAYMON		

STATION INDEX

MARYLAND AND DELAWARE

MAY 1949

Continued

Station	Index No.	County	Drainage	Latitude	Longitude	Elev. (ft.)	Time of observation			Years of record			Observer	Refer to tables
							Zone	Temp.	Precip.	Temp.	Precip.	Evap.		
RIDGELY	7575	CAROLINE	CHESAPEAKE	38 57	75 53	67	EST	6P	6P	59	59		J K SNOWBERGER	2 3 5
RIVERDALE	7615	PRINCE GEORGES	POTOMAC	38 58	76 56	45	EST	6P	6P	4	4		R T ZOCH	2 3 5
ROCK CREEK FOREST	7690	MONTGOMERY	POTOMAC	39 00	77 04	200	EST		6P				CHARLES O SCHICK	3
ROCK HALL	7700	KENT	CHESAPEAKE	39 08	76 14	15	EST	6P	6P	36	36		EDWIN URIE	2 3 5
ROCKVILLE	7705	MONTGOMERY	POTOMAC	39 05	77 09	440	EST	5P	5P	2	2		MONTGOMERY CO POLICE	2 3 5
ROYAL OAK	7806	TALBOT	CHESAPEAKE	38 43	76 11	10	EST	6P	6P	2	2		J L SWAINE JR	2 3 5
SALISBURY	8000	WICOMICO	CHESAPEAKE	38 22	75 37	10	EST	4P	4P	43	43		CITY OF SALISBURY	2 3 5
SALISBURY POLICE BARRACKS	8003	WICOMICO	CHESAPEAKE	38 25	75 34	42	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
SALISBURY MUNICIPAL AIRPORT	8005	WICOMICO	CHESAPEAKE	38 20	75 30	46	EST	MID	MID	2	2		CIVIL AERO ADM	2 3 4 5
SAVAGE RIVER DAM	8065	GARRETT	POTOMAC	39 30	79 08	1460	EST		8A				ANNA WILT	3
SHARPTOWN	8210	WICOMICO	CHESAPEAKE	38 33	75 43	10	EST		MID		8		WALTER G MANN	3 4
SINES DEEP CREEK	8315	GARRETT	YOUGHIOGHENY	39 31	79 25	2030	EST	MID	MID	25	25		C E MAC MURRAY	2 3 4 5
SNOW HILL	8380	WORCESTER	CHESAPEAKE	38 11	75 24	18	EST	5P	5P				J OSCAR CARMEAN	2 3 5
SOLOMONS	8405	CALVERT	CHESAPEAKE	38 19	76 27	20	EST	6P	6P	58	58		CHESAPEAKE BIOLOGICAL LAB	2 3 5
TAKOMA PARK BALTO AVE	8720	MONTGOMERY	POTOMAC	38 59	77 01	320	EST	6P	6P	51	51		CLOSED	2 3 5
TAKOMA PARK MISS AVE	8725	MONTGOMERY	POTOMAC	38 59	77 00	230	EST	7P	7P	5	5		O L HARVEY	2 3 5
TONOLWAY	8855	WASHINGTON	POTOMAC	39 40	78 12	550	EST	6P	6P	25	25		J H CLINGERMAN	2 3 5
TOWSON	8877	BALTIMORE	PATAPSCO	39 24	76 36	415	EST	5P	5P	11			BALTIMORE CO POLICE	2 3 5
UNIONVILLE	9030	FREDERICK	POTOMAC	39 28	77 11	450	EST	6P	6P	10	8		G P VON EIFF JR	2 3 4 5
WALDORF POLICE BARRACKS	9195	CHARLES	POTOMAC	38 39	76 53	210	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
WATERLOO POLICE BARRACKS	9314	HOWARD	PATAPSCO	39 10	76 47	230	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
WEST LANHAM HILLS	9400	PRINCE GEORGES	POTOMAC	38 57	76 53	165	EST	6P	6P	2	2		LILBURN H SEAMON	2 3 5
WESTERN POINT	9405	ALLEGANY	POTOMAC	39 29	79 02	1000	EST	6P	6P	56	56		MORRIS BRUCE	2 3 5
WESTMINSTER	9435	CARROLL	CHESAPEAKE	39 35	77 00	770	EST	6P	6P	40	40		H J MATHIAS	2 3 5
WHALEYSVILLE	9497	WORCESTER	CHESAPEAKE	38 24	75 18	32	EST	5P	5P				R E WIMBROW	2 3 5
WHITE HALL	9507	BALTIMORE	CHESAPEAKE	39 37	76 38	350	EST		5P		2		BLAINE MC COLLUM	2 3 5
WILLIAMSPORT	9570	WASHINGTON	POTOMAC	39 37	77 51	360	EST		7A		11		R C WILLSON	3
WILLIS SCHOOL FILTER PLANT	9579	PRINCE GEORGES	PATUXENT	39 06	76 54	400	EST		8A		4		ROBERT E CRAVER	3
WOODSTOCK COLLEGE	9750	BALTIMORE	CHESAPEAKE	39 20	76 53	415	EST	6P	6P	80	80		WOODSTOCK COLLEGE	2 3 5
NEW STATIONS														
BELTSVILLE PLT IND STA NO 1	0701	PRINCE GEORGES	POTOMAC	39 02	76 56	160	EST	9A	9A				H P SEVY	2 3 5
BELTSVILLE PLT IND STA NO 2	0702	PRINCE GEORGES	POTOMAC	39 02	76 56	136	EST	9A	9A				H P SEVY	2 3 5
BELTSVILLE PLT IND STA NO 3	0703	PRINCE GEORGES	POTOMAC	39 02	76 56	200	EST	9A	9A				H P SEVY	2 3 5
BELTSVILLE PLT IND STA NO 4	0704	PRINCE GEORGES	POTOMAC	39 02	76 56	265	EST	9A	9A				H P SEVY	2 3 5
BELTSVILLE PLT IND STA NO 5	0705	PRINCE GEORGES	POTOMAC	39 01	76 57	100	EST	9A	9A				H P SEVY	2 3 4 5
BELTSVILLE PLT IND STA NO 6	0706	PRINCE GEORGES	POTOMAC	39 01	76 57	215	EST	9A	9A				H P SEVY	2 3 5
CRESTON	7310	CAROLINE	CHESAPEAKE	38 43	75 55	48	EST	5P	5P				MRS GERTRUDE K WILLEY	2 3 5
DUNDALK	2660	BALTIMORE	CHESAPEAKE	39 16	76 31	28	EST	6P	6P				FRANK YOST	2 3 5

REFERENCE NOTES

- The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.
- Delayed data and corrections will be carried only in the June and December issues of this bulletin.
- Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.
- Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures 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 footnote following Table 6.
- When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.
- Amounts in Table 4 are from recording gages. Traces are not shown.
- Amounts in Table 3 are from non-recording gages, unless otherwise indicated.
- Data in Tables 3, 5 and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.
- No record.
- + And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 6 Precipitation measured at 6-hourly intervals, no recording gage.
- SS This entry in time of observation column in Station Index means sunset.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Station equipped with recording gage only.
- T Trace, an amount too small to measure.
- Z Hourly amounts from a recording gage at the same site may be found in Table 4.

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W.R.P.C., Albany, N.Y. --- 7-22-49 --- 1100