

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

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JULY 1953
Volume LVII No. 7



MARYLAND AND DELAWARE - JULY 1953

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

WEATHER SUMMARY

Temperatures averaged above normal and precipitation totals below normal by moderate amounts during this July. The occurrences of thunderstorms and hail were below the usual number. Cloudiness was well below the ordinary apportionment and thus the percentage of possible sunshine was high. The average speed of the wind was slightly below normal.

Over Delaware and Maryland, precipitation amounts averaged about one inch below normal. Delaware amounts showed comparatively small variations from a maximum of 5.93" at Wilmington Porter Reservoir to 2.05" at Georgetown. Maryland amounts ranged from 10.76" at Clear Spring to 1.19" at Ocean City. Rains totaling four to five inches fell on a strip from Baltimore County down across eastern Howard County, Anne Arundel, Prince Georges and Charles Counties. Due to a downpour of 5.34" at Fort Meade on the night of 22-23, the monthly total at this station was eight and a third inches. The heaviest one-day rain in a number of years occurred in the vicinity of Clear Spring, Maryland, on the night of July 22-23. About ten and one-quarter inches of rain fell causing rather heavy local flooding. However, other than on this occasion, July's rainfall was only one-half inch at this station. Another area of heavy rain for the month was in the vicinity of the Chester River on the upper Eastern Shore. These large amounts also resulted principally from heavy rains the night of July 22-23. The smallest monthly totals of one and one-half to two inches were reported from portions of Worcester, Dorchester, St. Marys, Calvert, Carroll, Allegany and Garrett Counties.

With relatively few exceptions, the greatest one-day amounts occurred on the night of July 22-23. On this occasion, a system of low barometric pressure and attendant cold front moved eastward across the Section. Delaware one-day amounts mostly were two to three inches while in Maryland they were one and one-half to two and one-half inches in most cases, but there were variations from the ten

inches at Clear Spring to less than one-inch at several stations.

Thunderstorms were reported on fifteen days. However, reports indicate only a few of the storms were classified as severe. The most prominent was on the evening of July 2nd and it was centered around Anne Arundel, Kent, Queen Annes and Talbot Counties. Wind gusts to 72 miles per hour were recorded at the U.S. Naval Academy station at Annapolis. A waterspout was observed near the Chesapeake Bay Bridge. Hail was reported only at Elkton on the 19th and 20th, at Baltimore Sleds Point on the 19th, and at Chestertown on the 22nd.

With very few exceptions, mean temperatures for the month were above normal and none was as much as one degree below normal. Averages which were two or more degrees above normal occurred at just a few scattered stations. Extreme temperatures in Delaware were 102° on the 18th at Laurel 2 SW and 49° at Georgetown on the 11th, while mean temperatures varied from 78.1° at Dover to 75.3° at Lewes. Maryland extremes were 105° at Keedysville on the 17th and 36° at Oakland on the 11th.

Generally, the warmest temperatures were on the 17-19th and were in the upper nineties, as a rule. However, some were at one hundred degrees or a little higher while those out near Garrett County and in the vicinity of some large water surfaces were near 90 or in the lower nineties. The coolest weather was on the 11th or the 25-26th when temperatures lowered into the fifties at a great majority of stations. Some near the larger water surfaces were near or a little higher than 60°. Some in northern Maryland were down in the upper 40's, in western Maryland in the middle and lower 40's, and a few in Garrett County were in the upper 30's.

The dry weather which persisted through June continued well into July. This retarded proper crop development and caused hay crops and pastures to become short. The rains of the 22-23rd were rather general and afforded much relief to vegetation. - H.L.A.

SUPPLEMENTAL DATA

MARYLAND AND DELAWARE
JULY 1953

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages- percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:30 a EST	7:30 a EST	1:30 p EST	7:30 p EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
ABERDEEN PHILLIPS FIELD, MD.	-	-	-	-	-	-	83	73	44	64	-	-	-	-	-	-	-	-	
ANNAPOLIS USN ACADEMY, MD.	NE	-	6.3	-	-	-	73	72	55	63	-	-	-	-	-	-	-	-	
BALTIMORE WB AP, MD.	NW	12	8.1	42	NW	2	80	72	44	57	5	0	2	1	1	1	10	83	4.4
FREDERICK WB AP, MD.	-	-	-	-	-	-	-	-	49	-	2	3	2	1	1	0	9	-	-
WASHINGTON WB CITY, D. C.	NW†	10†	7.9†	47	SW	22	75†	70†	44†	56†	4	3	1	1	1	0	10	77†	4.5†
WILMINGTON WB AP, DEL.	NW	14	7.1	-	-	-	83	75	46	61	1	6	2	0	0	1	10	-	4.8

†Airport Data

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	Nc. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	Nc. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	Nc. of days .01 or more
MARYLAND						MARYLAND						MARYLAND								
1895	71.0	102	32	3.40	0.0	8	1920	72.8	98	37	4.65	0.0	9	1945	74.1	101	36	2.96	0.0	16
1896	75.7	99	40	5.39	0.0	11	1921	77.6	101	45	4.32	0.0	10	1946	74.0	99	36	3.71	0.0	9
1897	75.6	102	41	6.82	0.0	12	1922	74.7	99	43	5.83	0.0	12	1947	73.3	97	37	4.40	0.0	13
1898	77.4	109	32	3.53	0.0	9	1923	73.9	101	39	4.48	0.0	11	1948	75.5	99	44	3.57	0.0	11
1899	75.6	100	37	3.45	0.0	10	1924	72.9	100	42	2.36	0.0	7	1949	78.8	105	48	4.82	0.0	10
1900	77.2	106	35	3.25	0.0	8	1925	74.6	100	36	5.04	0.0	10	1950	73.6	97	41	4.45	T	13
1901	78.7	106	40	5.41	0.0	11	1926	74.8	107	38	5.21	0.0	12	1951	76.0	99	40	3.23	T	8
1902	75.7	104	43	3.76	0.0	10	1927	74.0	100	39	3.64	0.0	10	1952	77.9	103	41	3.69	T	7
1903	75.1	100	41	5.63	0.0	11	1928	75.5	99	40	4.22	0.0	10	1953	76.8	105	38	3.34	T	5
1904	73.4	102	35	5.19	0.0	12	1929	74.2	101	34	1.76	0.0	7	All Years	75.2		4.28	T	10	
1905	75.2	101	42	7.63	0.0	14	1930	76.9	108	38	1.41	0.0	6							
1906	73.9	96	42	5.08	0.0	12	1931	77.5	103	44	4.70	0.0	12							
1907	74.6	99	39	3.98	0.0	9	1932	74.6	99	41	3.10	0.0	9							
1908	76.5	102	38	4.80	0.0	11	1933	74.0	102	37	5.34	0.0	8							
1909	73.1	98	32	1.57	0.0	5	1934	78.4	107	42	2.97	0.0	8							
1910	75.9	98	42	2.43	0.0	8	1935	76.9	101	42	4.23	0.0	10							
1911	76.9	106	35	2.67	0.0	6	1936	75.8	109	38	4.20	0.0	10							
1912	74.2	99	43	5.40	0.0	11	1937	74.8	100	39	3.96	0.0	10							
1913	75.6	102	38	2.86	0.0	9	1938	75.8	99	42	7.00	0.0	14							
1914	74.3	101	35	2.74	0.0	10	1939	73.8	97	39	3.59	0.0	11							
1915	74.2	103	36	3.31	0.0	10	1940	74.9	103	37	3.45	0.0	9							
1916	75.9	100	42	5.46	0.0	10	1941	75.3	104	42	5.18	0.0	12							
1917	74.8	102	45	6.41	0.0	14	1942	75.9	102	44	4.76	0.0	11							
1918	72.4	99	38	3.16	0.0	9	1943	75.4	98	35	2.42	0.0	10							
1919	75.5	105	41	7.38	0.0	12	1944	75.9	100	39	2.57	0.0	7							
DELAWARE						DELAWARE						DELAWARE								
1895	72.5	100	52	3.04	0.0	8	1920	74.3	96	48	4.89	0.0	9	1945	74.9	99	46	9.70	0.0	16
1896	77.2	99	53	4.71	0.0	11	1921	73.4	98	58	3.50	0.0	10	1946	73.8	96	49	5.11	0.0	9
1897	75.9	94	59	8.46	0.0	17	1922	75.3	96	56	6.39	0.0	10	1947	74.2	95	48	3.66	0.0	12
1898	77.5	99	51	4.09	0.0	8	1923	73.6	97	49	5.58	0.0	10	1948	76.0	95	49	3.77	0.0	8
1899	76.9	98	52	6.11	0.0	10	1924	73.7	94	52	3.31	0.0	6	1949	79.2	103	49	3.06	0.0	9
1900	78.7	100	54	2.69	0.0	7	1925	76.2	98	49	5.24	0.0	11	1950	74.6	94	53	4.41	0.0	12
1901	80.2	104	59	5.62	0.0	9	1926	75.9	102	51	10.47	0.0	14	1951	76.1	96	52	4.94	0.0	9
1902	76.4	104	52	3.22	0.0	9	1927	75.0	96	48	5.46	0.0	9	1952	78.3	101	43	5.33	T	6
1903	75.3	100	50	4.20	0.0	8	1928	76.7	98	51	4.88	0.0	11	1953	76.7	102	49	3.64	0.0	5
1904	74.2	98	51	5.97	0.0	13	1929	75.6	102	46	1.28	0.0	5	All Years	76.1		4.69	T	10	
1905	75.9	101	56	5.25	0.0	12	1930	78.3	110	50	3.00	0.0	8							
1906	74.9	95	55	6.95	0.0	13	1931	78.9	100	55	3.12	0.0	11							
1907	75.9	96	53	3.66	0.0	7	1932	76.2	91	53	2.44	0.0	9							
1908	78.2	100	52	5.46	0.0	10	1933	75.0	99	50	5.50	0.0	7							
1909	73.9	98	49	2.12	0.0	6	1934	78.7	101	52	7.19	0.0	10							
1910	77.0	95	51	3.53	0.0	9	1935	77.1	97	53	4.33	0.0	9							
1911	78.0	102	49	2.87	0.0	7	1936	76.1	105	55	4.01	0.0	11							
1912	75.4	98	51	4.44	0.0	9	1937	76.0	97	53	2.64	0.0	8							
1913	77.2	98	50	2.22	0.0	7	1938	76.7	96	50	9.69	0.0	16							
1914	75.3	99	53	5.43	0.0	10	1939	75.0	94	50	2.22	0.0	8							
1915	76.4	100	55	3.11	0.0	10	1940	75.5	102	46	2.37	0.0	8							
1916	76.4	93	53	5.81	0.0	9	1941	75.7	100	56	5.86	0.0	14							
1917	75.8	100	56	6.07	0.0	13	1942	76.8	100	53	5.73	0.0	10							
1918	74.0	97	46	2.34	0.0	6	1943	76.0	95	47	2.88	0.0	10							
1919	75.7	105	47	10.90	0.0	12	1944	76.9	99	50	1.81	0.0	6							

See reference notes following Station Index.

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
JULY 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			
										31° or Above	31° or Below	31° or Below	31° or Below					Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More	
																								Max.
SANDY POINT	87.7	70.4	79.1		96	2+	62	11+	0	12	0	0	0	3.73		1.50	23		.0	0		6	3	1
SAVAGE RIVER DAM	86.7	56.6	71.7		95	19	40	11	0	14	0	0	0	1.76		.81	23		.0	0		6	1	0
SILVER HILL OBSERVATORY	88.3	67.9	78.1		98	30	58	12+	0	15	0	0	0	2.79		1.83	22		.0	0		5	1	1
SINES DEEP CREEK	83.8	53.6	68.7	1.3	91	29	38	11	28	5	0	0	0	2.43	- 2.25	.81	3		.0	0		5	2	0
SNOW HILL	88.8	66.5	77.7	1.8	101	18	57	26	0	14	0	0	0	1.92	- 2.72	1.00	23		.0	0		7	1	1
SOLOMONS	89.5	71.8	80.7	2.0	98	30	63	10	0	17	0	0	0	2.62	- 2.00	1.20	6		.0	0		8	2	1
STEVENSVILLE 1 W	88.2	69.9	79.1		96	18	60	10	0	12	0	0	0	3.86		2.00	23		.0	0		6	3	1
TAKOMA PARK MISS AVE	88.7	65.5	77.1	1.9	98	18	56	11+	0	14	0	0	0	3.77	- .95	1.88	23		.0	0		6	3	1
TONOLWAY	90.3	58.7	74.5	1.0	100	18	44	11+	3	18	0	0	0	2.90	- .42	1.80	23		.0	0		5	2	1
TOWSON	90.0	63.3	76.7	1.8	100	18	50	25	0	17	0	0	0	4.25	- .43	3.15	23		.0	0		4	2	1
UNIONVILLE	91.0	61.2	76.1	2.4	100	18	48	11	0	19	0	0	0	2.25	- 2.68	1.26	23		.0	0		4	1	1
VIENNA	89.3	66.2	77.8		99	30	54	26	0	14	0	0	0	1.68		.85	23		.0	0		4	2	0
VIERS MILL	90.7M	64.0M	77.4M		98	18	53	11+	0	0	0	0	0	3.61		2.49	23		.0	0		5	1	1
WALDORF POLICE BRKS	91.8M	64.5M	78.2M		101	18	50	13	0	20	0	0	0	2.99		2.04	23		.0	0		2	2	1
WATERLOO POLICE BRKS	90.4	65.2	77.8		98	17	54	13	0	19	0	0	0	2.74		2.00	23		.0	0		3	2	1
WESTERN PORT	90.7	59.5	75.1	1.6	99	18	46	11	1	17	0	0	0	3.50	- .21	1.00	23		.0	0		8	3	1
WESTMINSTER	88.0	63.1	75.6	.6	98	18	50	11	0	11	0	0	0	1.90	- 2.12	1.08	23		.0	0		4	1	1
WOODSTOCK COLLEGE	89.7	61.5	75.6	.5	99	18	51	11	0	14	0	0	0	3.64	- .29	2.00	23		.0	0		5	2	1
DISTRICT OF COLUMBIA																								
DALECARLIA RESERVOIR DC	90.2	66.4	78.3		99	18	57	11+	0	18	0	0	0	3.49		1.97	23		.0	0		6	2	1
NATIONAL ARBORETUM D C	92.2	66.9	79.6		100	19+	55	12	0	20	0	0	0	1.91		1.31	23		.0	0		5	1	1
U S SOLDIERS HOME D C	89.9	67.3	78.6		99	31	58	11+	0	17	0	0	0	2.67		1.85	23		.0	0		4	2	1
WASHINGTON WB CITY DC	91.0	70.3	80.7	2.9	99	17+	61	11+	0	19	0	0	0	3.21	- .90	1.75	22		.0	0		6	2	1
MARYLAND AND D C																								
DELAWARE																								
BRIDGEVILLE	88.5	63.7	76.1	.2	99	18	51	26	0	13	0	0	0	2.47	- 2.65	1.98	23		.0	0		5	1	1
DELAWARE CITY REEDY PT	88.4	65.7M	77.1M	.5	97	19	54	13	0	14	0	0	0	3.53	- .20	2.50	23		.0	0		3	2	1
DOVER	89.5	66.7	78.1	1.5	99	2+	56	11+	0	15	0	0	0	3.88	- .84	2.78	23		.0	0		5	1	1
GEORGETOWN	89.7	64.2	77.0		101	19	49	11	0	15	0	0	0	2.05		1.86	23		.0	0		5	1	1
LAUREL 2 SW	90.1M	64.4M	77.3M		102	18	51	11	0	16	0	0	0	3.39		2.39	23		.0	0		4	2	1
LEWES	85.5	65.0	75.3		97	2	52	26	0	8	0	0	0	2.92		1.44	23		.0	0		4	2	2
MIDDLETOWN 2 S	88.9	64.0	76.5		100	18	52	11	0	14	0	0	0	3.53		2.40	23		.0	0		5	2	1
MILFORD	89.4	65.7	77.6	.8	101	18	54	11	0	14	0	0	0	4.79	- .28	3.21	23		.0	0		4	3	1
MILLSBORO	88.0M	65.1M	76.6M	.3	99	18	52	11	0	13	0	0	0	3.73	- 1.06	2.35	23		.0	0		6	2	1
NEWARK COLLEGE FARM	88.1	63.7	75.9	1.1	99	18	53	25+	0	13	0	0	0	4.28	- .64	2.08	23		.0	0		6	4	1
WILMINGTON NEWSTL WB AP	88.4	65.5	77.0	1.1	100	18	56	25	0	12	0	0	0	3.21	- 1.28	2.14	23		.0	0		9	1	1
WILMINGTON PORTER RESVR	86.2	65.9	76.1	.1	98	18	56	25	0	8	0	0	0	5.93	- 1.14	2.66	23		.0	0		7	3	2
STATE																								
SECTION																								

DAILY PRECIPITATION

MARYLAND AND DELAWARE
JULY 1953

Table 3—Continued

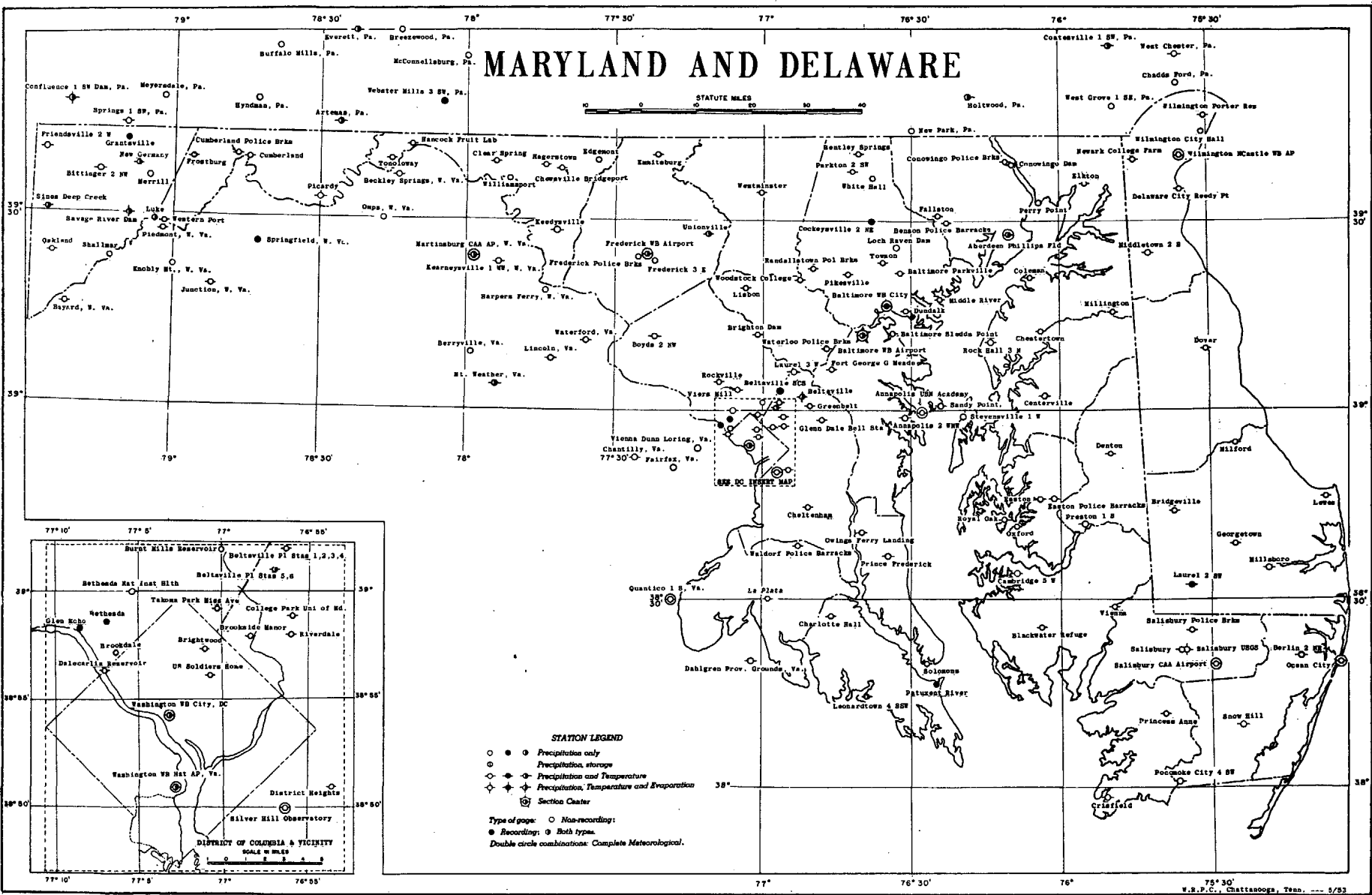
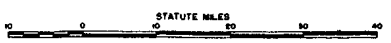
Station	Total	Day of month																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
DELAWARE																																					
BRIDGEVILLE	2.47			.01			.06	.40														T													T	.	
DELAWARE CITY REEDY PT	3.55																					.28														.	
DOVER	3.88			.47			T	.30	.26	.07																									T	.	
GEORGETOWN	2.05						.06	.02	.02													.09														.	
LAUREL 2 SW	3.39						.15															.60														.25	.
LEWES																																					
MIDDLETOWN 2 S	2.92						.06	1.32														.10															.
MILFORD	3.53						T	.15		.35												.62		.01												.	
MILLSBORO	4.79						.70															.84														.	
NEWARK COLLEGE FARM	3.73			.07			.33	.10														.84														.04	.
WILMINGTON NEWCASTL WB AP	4.28			.56			.24	.02	.53													.85														.	
WILMINGTON CITY HALL	3.21		.39	.02			.01		.08													.45	T													.	
WILMINGTON PORTER RESVR	4.12			.20			.	.20		.02												1.35														.	
	5.93		.17	.03			.46		.04													2.02	.55													.	

EVAPORATION AND WIND

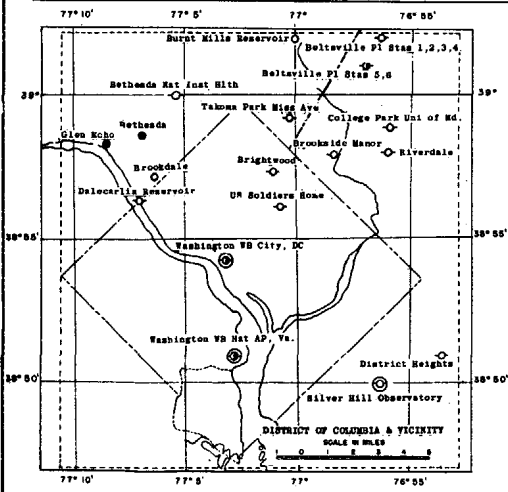
Table 6

Station		Day of month																															Total	Avg	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
BELTSVILLE		EVAP	.27	.30	.40	.35	.23	.25	.22	.31	.22	.33	.27	.29	.30	.29	.33	.29	.30	.29	.35	.33	*	.69	.30	.29	.34	.33	.20	.26	.36	.23	.31		9.23
		WIND	21	32	53	42	37	40	49	27	34	41	29	30	41	38	45	30	25	29	20	39	32	34	89	77	52	29	33	26	37	27	54		1192
SALISBURY U. S. G. S		EVAP	.34	.35	.47	.40	.32	.22	.36	.27	.24	.29	.27	.26	.23	.29	.32	.28	.33	*	.79	.40	.16	.26	.21	.23	.35	.27	.26	.32	.34	.27	.32		9.44
		WIND	42	33	63	54	34	27	78	23	42	45	28	29	39	31	102	36	33	*	54	36	18	23	64	53	50	33	20	43	38	45	28		1240
SAVAGE RIVER DAM		EVAP	.32	.25	.22	.30	.26	.16	.22	.27	.27	.26	.22	.21	.30	.13	.29	.18	.20	.25	.23	.18	.18	.21	.17	.24	.30	.22	.23	.26	.32	.22	.16		7.23
		WIND	39	32	32	40	42	23	30	21	25	47	31	21	43	16	37	4	30	23	31	21	20	24	36	44	40	32	22	24	27	22	20		899

MARYLAND AND DELAWARE



- STATION LEGEND**
- ● ● Precipitation only
 - ○ Precipitation storage
 - ◇ ◆ ◆ Precipitation and Temperature
 - ◆ ◆ ◆ Precipitation, Temperature and Evaporation
 - ⊙ Section Center
- Type of page:**
- Non-recording
 - Recording
 - ● Both types
- Double circle combinations: Complete Meteorological.



Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".