

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

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 1957
Volume LXI No. 10



ASHEVILLE: 1957

MARYLAND AND DELAWARE - OCTOBER 1957

WEATHER SUMMARY

GENERAL

October was marked by a violent "northeaster" which moved up the coast and westward over Maryland on the 6th. Much below average temperatures from the 11th to 14th and 26th to 28th brought the first chill of winter to the two-state area.

Division average precipitation ranged from 0.61 inch below the long-term mean or 82% of the long-term mean in Northern Central Maryland to 2.41 inches above the long-term mean or 180% of the long-term mean in the Allegheny Plateau Division. The greatest monthly precipitation in Maryland, 6.16 inches, occurred at New Germany; in Delaware, 3.75 inches, at Middletown 2 S. The least precipitation in Maryland occurred at Annapolis U S Naval Academy, 1.64 inches; in Delaware, at Wilmington New Castle WB Airport, 2.51 inches.

Division average temperatures were well below the long-term mean over all divisions ranging from 3.2° below in the Northern Eastern Shore Division to 5.6° below the Lower Southern Maryland Division. The highest temperature in Maryland, 81°, occurred at Ocean City on the 9th; in Delaware, 78°, at Milford on the 2nd and 18th, Selbyville on the 9th, and Lewes on the 23rd. The lowest temperatures were, 17°, in Maryland at Oakland 1 SE on the 13th and, 29°, in Delaware at Newark University Farm and Georgetown 5 SW on the 13th and Lewes on the 28th.

WEATHER DETAILS

Rains spread over southern portions of Maryland and Delaware on the 1st as a Low developed off the North Carolina coast. Below normal temperatures from the 3rd to the 6th came with an extensive cold air mass from central Canada. A "northeaster" which intensified off the North Carolina coast brought strong northeasterly winds to the Maryland and Delaware area as the Low moved up to the lower Delmar Peninsula by the morning of the 6th. Precipitation spread over the entire two-state area as the storm moved westward over Maryland.

Rain again on the 8th was associated with a Low off the Maryland-Delaware coast. An extensive High from the Canadian region moved over the area on the 10th and brought well-below-normal temperatures on the 11th, 12th, 13th, and 14th.

Rain on the 17th and 18th came with a well-developed Low and a cold frontal system which moved over the area. Following the frontal passage on the 18th another large High overspread the area with cold air from the 19th to 22nd.

Rain started in western portions on the 24th and spread eastward as a well-developed Low moved northeastward from the Indiana-Ohio area. A cold front moved eastward over the two-state area on the afternoon of the 24th followed by a large High from central Canada. Temperatures dropped to much-below-normal on the 26th, 27th, and 28th. Scattered showers fell in western Maryland mountain areas late on the 27th.

Temperatures remained below normal from the 29th to 31st with some light rain on the 30th and 31st mostly in southern and eastern portions.

WEATHER EFFECTS

Weather in October was favorable for maturation of crops and for harvesting of late crops as well as planting and development of fall sown grains. By the end of the month harvesting of corn was well along with yields well below normal but generally a little better than expected earlier. Harvesting of soy beans did not get under way generally until late in the month. Adequate soil moisture during the month contributed to abundant fall pasture for livestock and gave fall-sown grains a good start.

DESTRUCTIVE STORMS

A "northeaster" with winds reaching gale force swept up the coast and into the southern Delaware and Maryland area on the 6th. As this storm struck the Maryland and Delaware area it churned up the Chesapeake Bay and adjacent ocean waters and caused much-above-normal tides, rough seas, flooding of coastal roads, and considerable wind damage to property. Small craft in some yacht basins on the Chesapeake Bay were ripped from their moorings. Shipping was halted or slowed on the Chesapeake and Delaware Canal. Sailing of ships from the Port of Baltimore was canceled or delayed. Tides on the coast were reported near record heights at some points. Power failures were widespread in Maryland and Delaware as trees were downed over power lines. Telephone service was likewise knocked out in places by falling trees and strong winds. In Baltimore City the major damage occurred to trees and utility lines. At Friendship International Airport a gust of wind reached 75 mph at 2:15 p.m.

FLOODS

None.

Howard H. Engelbrecht, State Climatologist
U. S. Weather Bureau
Baltimore, Maryland

SPECIAL NOTICE

A survey has indicated that the comprehensive narrative weather story carried in each issue of Climatological Data is of value to only a small number of recipients. This story will be discontinued therefore, with the January 1958 issue. A table of extremes will be carried each month and a text will be carried whenever unusual and outstanding weather events have occurred. General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW and the MONTHLY CLIMATOLOGICAL DATA, NATIONAL SUMMARY, either of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

DAILY PRECIPITATION

MARYLAND AND DELAWARE
OCTOBER 1957

Table 3

Table with columns: Station, Total, Day of month (1-31). Rows are organized by State (MARYLAND, DELAWARE) and list various stations with their precipitation data for each day.

See Reference Notes Following Station Index

EVAPORATION AND WIND

MARYLAND AND DELAWARE
OCTOBER 1957

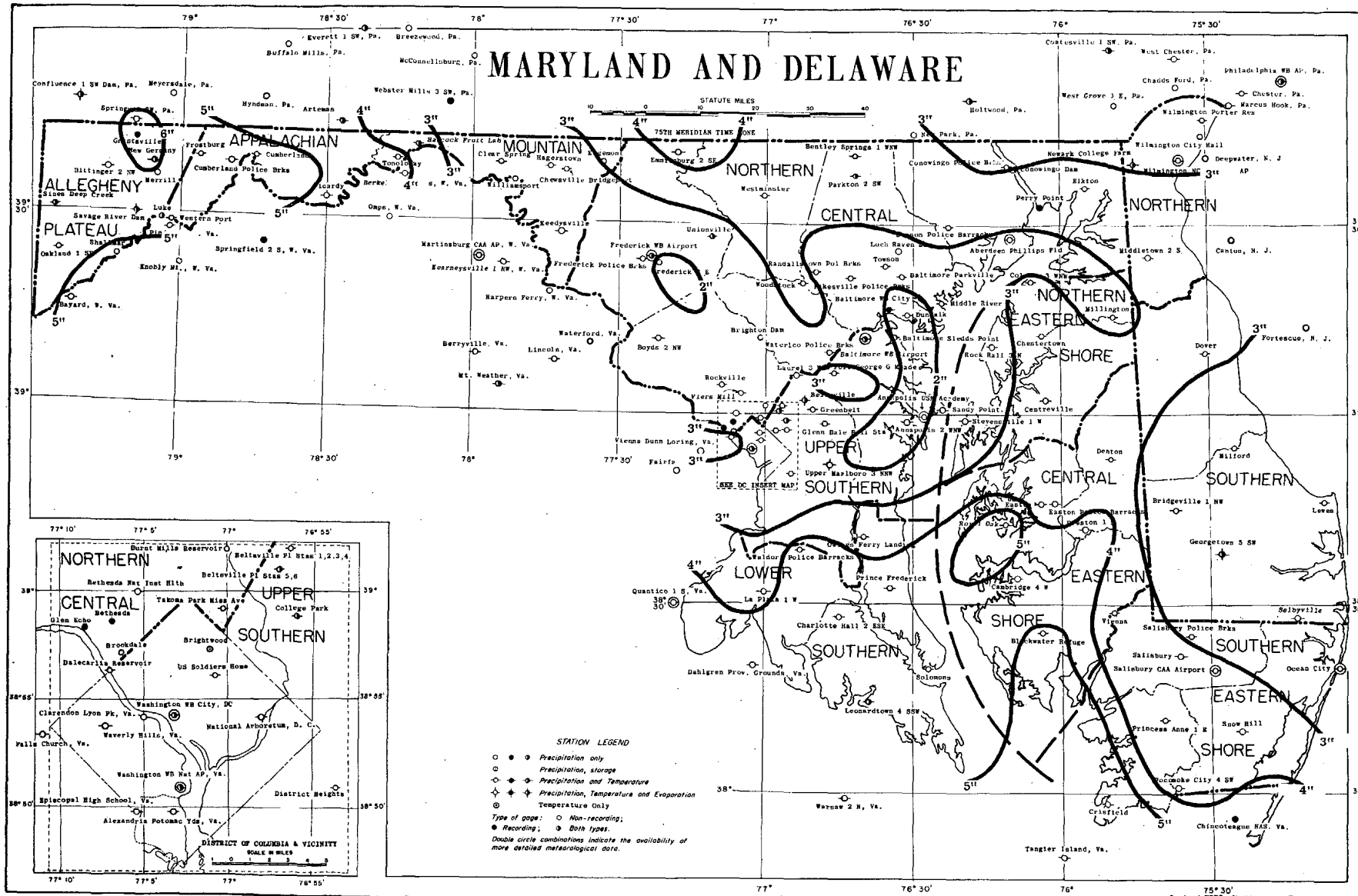
Table 6

Station		Day of month																															Total Oct Apr	
		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, MD.	EVAP	.04	.02	.16	.16	.00	.22	.30	.05	.09	.15	.14	.05	.18	.10	.09	.09	*	*	*	.14	.24	.09	.08	.07	.04	.02	.09	.17	.08	.09	.04	2.89	
	WIND	15	12	21	28	52	70	111	20	60	18	29	31	19	8	5	7	20	7	68	70	64	3	8	57	69	66	45	67	72	25	10	1157	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVAGE RIVER DAM, MD.	EVAP	.08	.08	.11	.13	.12	.08	.11	.02	.10	.11	.09	.09	.03	.18	.07	.04	*	*	*	.29	.06	.12	.04	.00	.13	.07	-	-	-	-	-	B2.64	
	WIND	13	49	31	26	66	48	55	46	51	35	37	35	36	39	29	34	40	20	82	100	63	35	15	27	72	75	46	55	56	32	21	1369	
	MAX	71	74	73	74	67	59	53	54	87	71	58	82	80	61	63	63	63	61	67	52	60	61	68	64	69	-	-	-	-	-	-	63.8	
	MIN	50	50	46	41	41	50	49	48	48	50	35	34	34	35	33	38	42	53	46	40	34	42	42	48	45	-	-	-	-	-	-	43.0	
UPPER MARLBORO 3 NNW, MD	EVAP	.01	.03	.06	.19	.02	.09	.00	.07	.08	.14	.15	.13	.10	.08	.10	.12	.07	.00	.08	.10	.12	.09	.08	.11	.06	.13	.07	.05	-	-	-	B2.58	
	WIND	11	2	6	7	21	60	71	5	26	3	16	20	6	1	0	1	3	1	14	42	27	2	4	60	30	38	38	28	28	14	12	597	
	MAX	59	65	78	72	71	60	65	71	65	79	74	67	64	68	70	71	69	63	61	55	64	67	72	71	62	62	52	51	-	-	-	66.0	
	MIN	53	54	49	42	46	51	45	51	57	54	46	48	35	39	42	44	48	58	49	46	39	42	43	46	51	32	33	31	-	-	-	45.6	
GEORGETOWN 5 SW, DEL.	EVAP	-	.10	.16	.07	.05	.29	.03	.21	.06	.12	.16	.10	.08	.09	.08	.07	.05	.01	.12	.13	.09	.06	.07	.01	.10	.10	-	.08	.11	.07	.08	B2.90	
	WIND	24	44	36	33	61	125	24	42	51	26	52	25	21	16	12	7	4	26	94	94	18	13	20	20	67	95	76	75	64	26	24	1335	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWARK UNI FARM, DEL.	EVAP	.03	.10	.13	.12	.10	.02	.08	.06	.08	.03	*	*	.37	.10	.08	.04	*	*	*	.13	.11	.10	.06	*	*	.17	.04	.07	.07	.09	.01	2.26	
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MAX	68	74	72	72	71	66	71	69	80	77	70	68	65	70	71	71	73	63	62	63	65	69	68	67	63	59	30	52	58	57	83	66.9	
	MIN	54	54	50	46	48	54	55	59	58	57	46	37	38	43	45	46	50	58	52	40	40	44	49	80	50	34	38	33	33	42	45	47.0	

SNOWFALL AND SNOW ON GROUND

Table 7

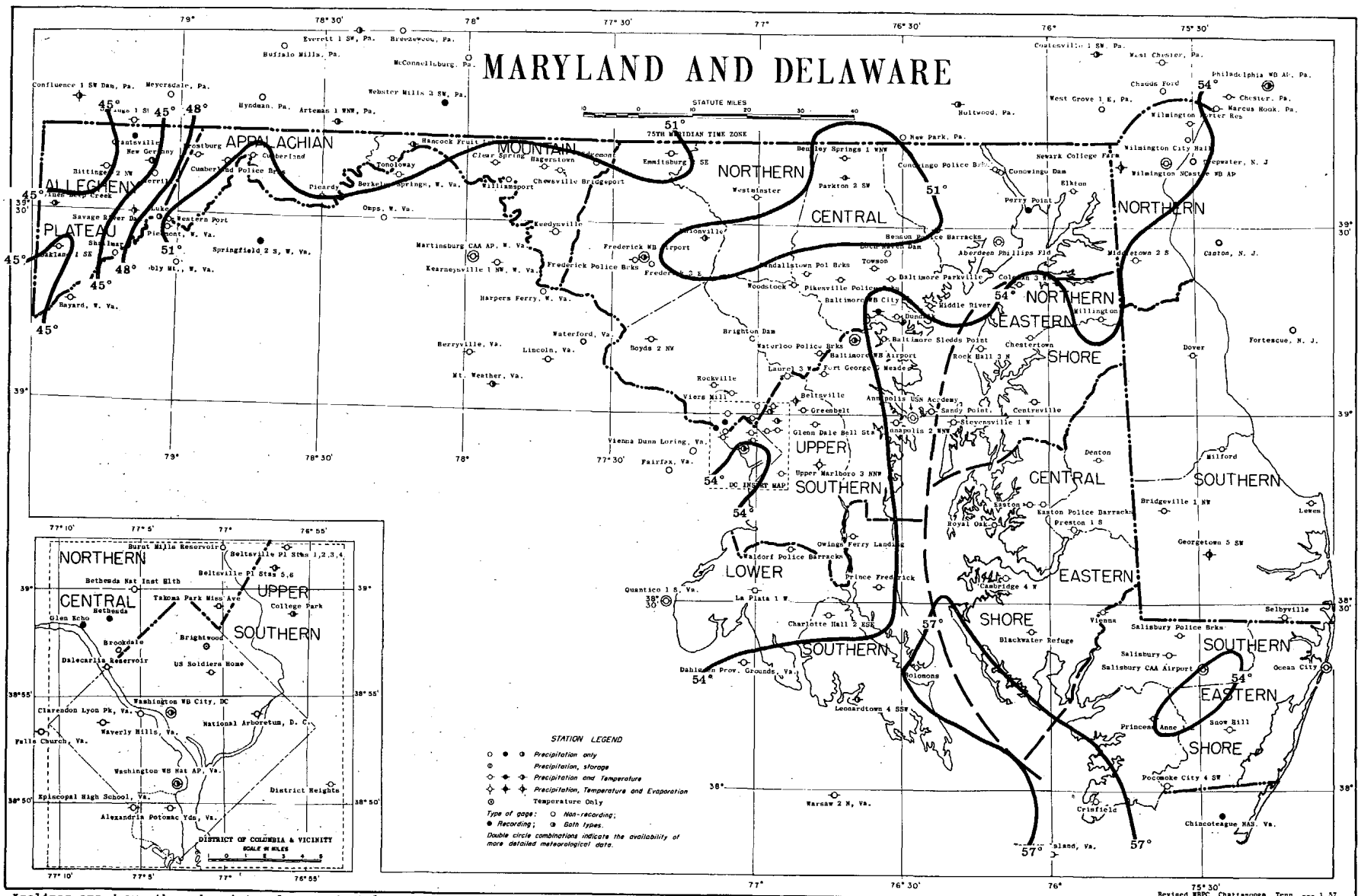
Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARYLAND																																		
BITTINGER 2 NW	SNOWFALL SN ON GND																																2.2 2	T
CONOWINGO DAM	SNOWFALL SN ON GND																																T	
CUMBERLAND	SNOWFALL SN ON GND																																	T
KEEDYSVILLE	SNOWFALL SN ON GND																																	T
NEW GERMANY	SNOWFALL SN ON GND																																.5	
OAKLAND 1 SE	SNOWFALL SN ON GND																																1.5 1	T
SAVAGE RIVER DAM	SNOWFALL SN ON GND																																T T	T T
SNOW HILL	SNOWFALL SN ON GND																																	T
WESTMINSTER	SNOWFALL SN ON GND																																	T
WOODSTOCK	SNOWFALL SN ON GND																																	T T
DELAWARE																																		
WILMINGTON NCASTLE WB AP	SNOWFALL SN ON GND WTR EQUIV																																	T



TOTAL PRECIPITATION

MARYLAND AND DELAWARE
OCTOBER 1957

Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".



AVERAGE TEMPERATURE

MARYLAND AND DELAWARE
OCTOBER 1957

Isoles are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

131

