

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

MAY 1961
Volume 65 No. 5



ASHEVILLE: 1961

MARYLAND AND DELAWARE - MAY 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 90° on the 9th at Baltimore WB Airport, Md.

Lowest Temperature: 24° on the 5th at Oakland 1 SE, Md.

Greatest Total Precipitation: 7.33 inches at Snow Hill, Md.

Least Total Precipitation: 1.75 inches at Middletown 2 S, Del.

Greatest One-Day Precipitation: 2.28 inches on the 8th at Preston 1 S,
Md.

Greatest Reported Total Snowfall: 1.0 inch at Oakland 1 SE, Md.

Greatest Reported Depth of Snow on Ground: Trace on the 27th at
Savage River Dam, Md.

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
MAY 1961

CONTINUED

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days			Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days				
										90° or Above	80° or Below	32° or Below					Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More		
																							Max.	Min.
TOWSON	71.1	48.7	59.9		85	10+	34	5	187	0	0	0	2.32	-1.99	.58	2		+0	0			9	1	0
UNIONVILLE	69.5	45.6	57.6		84	9	29	4	243	0	0	0	3.07		.64	13		+0	0			10	2	0
WATERLOO POLICE BRKS	70.6	49.0	59.8		83	9	34	5	185	0	0	0	2.32		.67	12		+0	0			7	1	0
WESTMINSTER	68.9	45.1	57.0	-5.6	85	9	35	4	227	0	0	0	2.39	-1.58	.56	27		+0	0			8	1	0
WOODSTOCK	71.7	48.1M	59.9M	-3.2	85	9	33	5	189	0	0	0	2.28	-1.94	.41	2		+0	0			8	0	0
DIVISION			59.3	-3.8									2.53	-1.79				T						
APPALACHIAN MOUNTAIN																								
BOONSBORO	69.4	46.5	58.0		84	9	35	27+	237	0	0	0	2.62		.60	26		+0	0			6	1	0
CHEWSVILLE BRIDGEPORT	70.2	47.0	58.6	-3.1	84	9	33	5	215	0	0	0	2.07	-1.98	.54	26		+0	0			7	1	0
CUMBERLAND	70.2	46.7	58.5		87	15	34	5+	225	0	0	0	1.80		.34	7		T	0			7	0	0
CUMBERLAND POLICE BRKS	70.3	40.5	55.4		88	15	31	5+	244	0	0	3	2.11		.67	6		+0	0			7	1	0
FROSTBURG	66.6	43.5	55.1	-4.9	82	15	30	5	312	0	0	2	3.81	-.42	.55	16		T	0			12	1	0
HAGERSTOWN	70.0	45.8	57.9		83	9	35	27	229	0	0	0	2.50		.50	13		+0	0			8	1	0
HANCOCK FRUIT LAB	68.9	43.7	56.3		88	26	29	4	281	0	0	3	1.80	-2.08	.38	19		+0	0			8	0	0
PICARDY	68.8	44.5	56.7		84	15+	31	4	270	0	0	1	2.32	-1.25	.36	26+		+0	0			8	0	0
WESTERNPORT	70.6	43.1	56.9	-5.8	87	15	31	5+	244	0	0	2	2.76	-1.47	.52	6		+0	0			11	1	0
DIVISION			57.0	-5.3									2.42	-1.54				T						
ALLEGHENY PLATEAU																								
BITTINGER 2 NW	61.7	40.6	51.2		78	15	28	4	423	0	0	7	4.27		.67	6		T	0			12	2	0
OAKLAND 1 SE	64.2M	38.9M	51.6M	-5.3	82	15	24	5	400	0	0	11	3.68	-.98	.67	6		1.0	0			11	3	0
SAVAGE RIVER DAM	64.9	42.3	53.6		83	16	30	5	357	0	0	2	3.93		1.04	16		T	0			10	2	1
SINES DEEP CREEK	64.2	39.5	51.9	-4.3	84	15	28	5	401	0	0	10	3.87	-.77	.82	19		+0	0			10	2	0
DIVISION			52.1	-4.5									3.94	-.58				.3						
DELAWARE																								
NORTHERN																								
MIDDLETOWN 2 S	70.0	47.8	58.9		85	9	33	2	210	0	0	0	1.75		.34	2		+0	0			9	0	0
NEWARK UNIVERSITY FARM	70.7	48.5	59.6		86	9	36	4	192	0	0	0	2.86		.71	26		+0	0			7	2	0
WILMGTN NCASTLE WB AP	69.0	48.8	58.9	-3.9	84	9	36	4	203	0	0	0	2.45	-1.36	.79	26		+0	0			8	1	0
WILMINGTON PORTER RESVR	68.0	49.0	58.5		84	9	40	6+	212	0	0	0	3.45	-.82	.93	26		+0	0			8	2	0
DIVISION			59.0	-4.0									2.63	-1.58				.0						
SOUTHERN																								
BRIDGEVILLE 1 NW	71.6	50.4	61.0	-2.6	82	25+	38	4	158	0	0	0	4.29	-.29	.89	8		+0	0			9	4	0
DOVER	71.6	50.3	61.0	-3.4	87	11	36	4	164	0	0	0	3.80	-.59	.75	27		+0	0			10	2	0
GEORGETOWN 5 SW	71.8M	49.7M	60.8M		85	8	34	4	172	0	0	0	6.63		2.18	8		+0	0			8	6	2
LEWES 1 SW	68.5	50.2	59.4		85	9+	38	4	199	0	0	0	5.94		1.47	16		+0	0			9	4	2
MILFORD 3 WNW	71.8	49.7	60.8		84	9+	36	4	172	0	0	0	3.98		1.00	16		+0	0			8	3	1
SELBYVILLE	70.4	49.4	59.9		86	8	27	3	182	0	0	2	7.30		1.73	6		+0	0			7	5	5
DIVISION			60.5	-3.3									5.32	1.22				.0						

SUPPLEMENTAL DATA

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	1:00 a EST	7:00 a EST	1:00 P EST	7:00 P EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
ANNAPOLIS USN ACADEMY, MD.	-	-	-	-	-	-	-	-	-	-	5	4	6	3	0	0	18	-	
BALTIMORE WB AIRPORT, MD.	W	13	10.6	65	SW	9	77	77	56	58	7	4	4	2	0	0	17	67	6.2
FREDERICK WB AIRPORT, MD.	-	-	-	-	-	-	-	-	-	-	1	3	7	2	0	0	13	-	
WASHINGTON WB CITY, D. C.	SE†	17†	9.3†	40†	SSW†	9†	74†	75†	56†	59†	-	2	5	2	0	0	-	54†	6.2†
WILMINGTON NCASTLE WB AP, DEL.	NW	10	10.5	30++	NNW	29	80	76	56	64	7	6	7	1	0	0	21	-	6.7

† Airport Data

See Reference Notes Following Station Index

DAILY TEMPERATURES

MARYLAND AND DELAWARE
MAY 1961

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	
GEORGETOWN 5 SW	MAX	61	48	65	63	69	66	78	85	84	82	68	75	78	83	80	72	70	63	66	70	69	70	73	83	78	60	74	75	72	75	71.8	
	MIN	42	61	37	34	35	50	51	62	65	58	56	55	57	58	64	52	43	50	46	52	45	41	43	53	59	42	41	51	48	41	49.7	
LEWES 1 SW	MAX	59	62	60	59	64	59	78	85	85	74	61	65	70	69	74	76	64	60	60	63	69	69	68	72	82	74	55	75	77	66	68	68.5
	MIN	43	48	40	38	40	50	50	60	62	60	53	54	53	56	57	64	53	45	50	49	51	49	46	50	54	50	41	41	55	50	45	50.2
MIDDLETOWN 2 S	MAX	59	59	61	61	66	65	68	80	85	73	63	70	68	79	77	77	69	74	64	68	70	69	70	73	82	78	52	73	74	68	74	70.0
	MIN	43	33	39	36	36	46	48	57	57	57	54	55	58	59	60	55	44	46	50	45	48	47	40	43	53	61	35	42	54	42	40	47.8
MILFORD 3 WNW	MAX	60	60	64	63	68	65	73	84	84	80	69	70	73	75	82	80	71	71	62	67	72	70	69	73	83	81	61	74	74	71	76	71.8
	MIN	43	48	40	36	39	50	44	60	66	61	57	54	55	48	56	66	52	44	51	45	49	49	41	43	55	63	43	40	54	47	42	49.7
NEWARK UNIVERSITY FARM	MAX	60	60	59	64	67	64	69	79	86	76	64	68	69	80	78	77	72	72	64	67	72	67	70	74	83	81	57	75	75	69	75	70.7
	MIN	42	46	40	36	37	42	48	57	58	58	54	53	57	58	60	61	47	45	49	47	50	47	42	43	51	57	43	40	55	41	41	48.5
SELBYVILLE	MAX	59	61	66	63	66	61	80	86	84	78	68	71	73	72	78	75	68	63	65	67	67	71	70	72	81	76	55	74	70	66	76	70.4
	MIN	43	48	27	36	29	50	50	59	61	61	55	56	55	56	57	62	53	42	50	45	53	46	45	44	55	60	40	42	54	49	49	49.4
WILMGTON NCASTLE WB AP	MAX	58	60	61	64	66	57	69	78	84	68	62	70	70	76	75	77	71	68	61	67	70	66	69	73	82	77	54	74	71	66	74	69.0
	MIN	47	39	41	36	39	49	51	58	58	58	53	53	57	59	60	61	50	50	50	46	48	46	42	45	52	45	43	42	53	41	42	48.8
WILMINGTON PORTER RESVR	MAX	56	58	57	62	66	57	69	77	84	65	65	67	70	77	77	75	70	68	60	65	69	64	67	73	80	75	54	74	69	64	74	68.0
	MIN	44	43	42	40	43	40	50	59	57	60	52	52	57	59	59	61	49	49	49	48	49	48	45	46	55	44	42	41	52	41	44	49.0

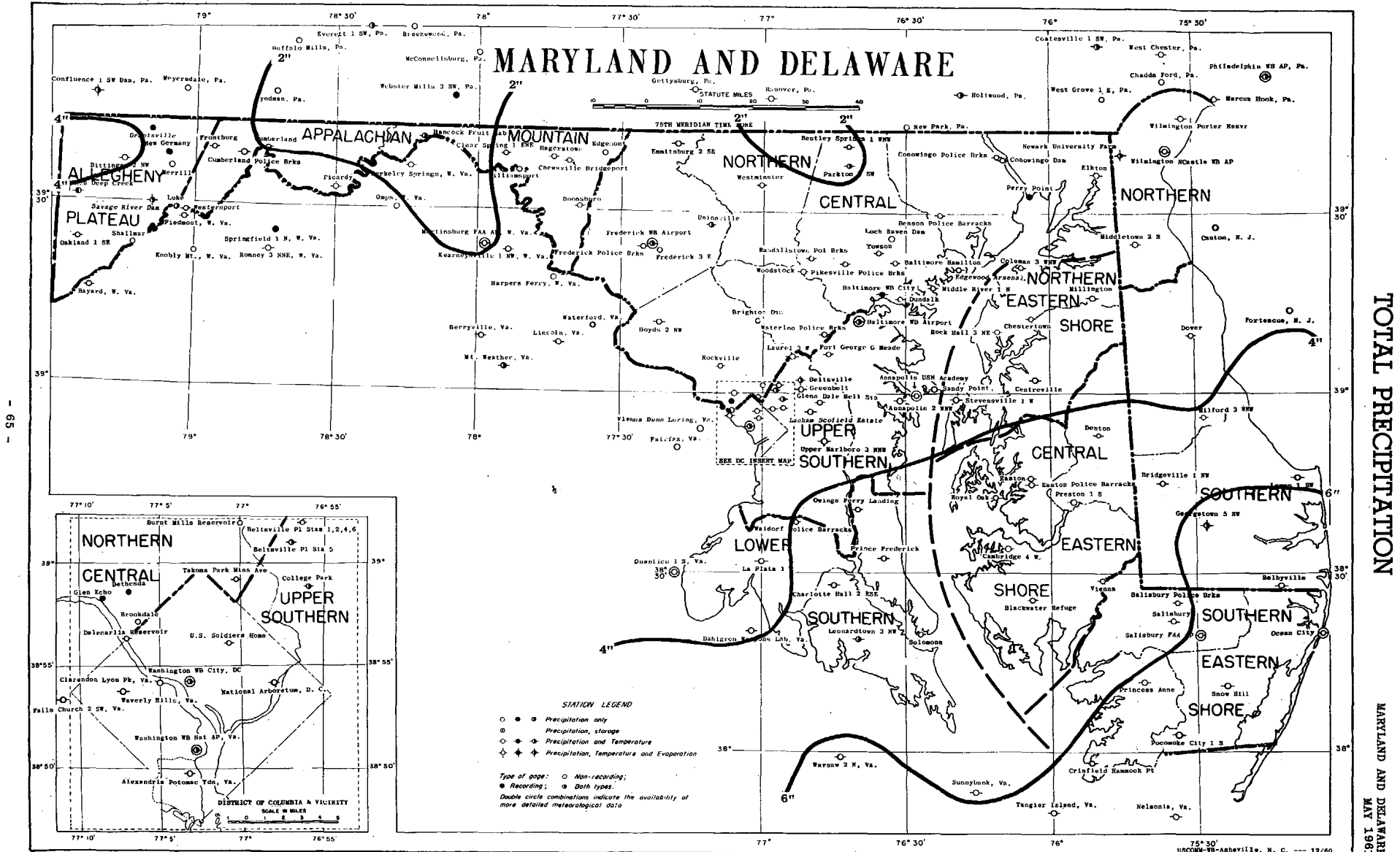
EVAPORATION AND WIND

Station		Day of month																															Total or 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, MD.	EVAP	.11	.11	.15	.34	.08	.14	.10	.05	.18	.32	.13	*	*	.11	.17	.20	.18	.12	.15	.17	.12	.18	.22	.32	.22	.17	.19	.24	.09	.25	4.92	
	WIND	6	13	54	62	18	5	22	3	12	36	29	64	18	2	2	32	15	9	16	12	16	8	26	12	18	39	54	58	16	14	28	
	MIN	49	50	43	42	43	55	54	53	61	63	60	58	59	62	63	63	52	53	55	48	49	52	46	49	55	58	44	42	45	53	50	52.5
SAVAGE RIVER DAM, MD.	EVAP	.16	.15	.19	.16	.21	.06	.00	.00	.17	.15	.18	.01	.09	.18	.31	.31	.20	.29	.03	.15	.13	.04	.19	.17	.28	.31	.04	.13	.25	.19	.20	
	WIND	47	85	131	112	59	96	89	44	43	70	69	138	79	53	60	51	97	67	78	67	71	49	77	61	62	41	105	114	51	80	76	
	MIN	36	43	38	35	36	50	50	52	58	57	50	56	57	60	64	63	45	53	54	44	44	50	44	44	45	53	40	40	45	45	48.3	
UPPER MARLBORO 3 NNW, MD.	EVAP	-.02	.28	.27	.17	.10	.07	.11	.23	.33	.11	*	*	.11	.11	.21	.23	.24	.15	.14	.21	.19	.24	.20	.24	.38	.14	.18	.28	.10	.25		
	WIND	40	32	66	59	22	12	32	15	39	53	55	79	28	14	7	52	29	14	12	23	30	18	30	23	34	104	77	77	60	36		
	MIN	45	52	43	44	45	47	52	54	63	62	61	59	59	64	65	65	53	54	57	49	51	53	49	51	54	57	44	41	41	55	57	
GEORGETOWN 5 SW, DEL.	EVAP	-.21	.26	.22	*	.25	.06	.29	.26	.18	.08	-	-	.14	.21	.22	.16	.26	.10	.17	.11	.22	.20	.26	.28	.14	.13	.18	.24	.26	.28		
	WIND	47	108	96	78	*	62	60	39	60	42	59	*	130	35	28	30	52	57	48	75	35	63	46	68	43	57	158	84	47	93		
NEWARK UNIV FARM, DEL.	EVAP	-	-	-	-	-	-	.06	.18	.23	-	-	.13	.05	.10	.23	.09	.19	.24	.16	.17	.22	.18	.23	.22	.19	.14	.14	.19	.21	.14		
	WIND	-	-	-	-	-	-	11	29	17	33	69	44	10	23	23	30	27	46	47	42	53	38	39	42	37	75	70	52	41	37		
	MIN	-	-	-	-	-	-	70	81	91	85	72	67	70	87	87	84	81	72	72	82	78	77	80	87	85	66	80	80	77	80		

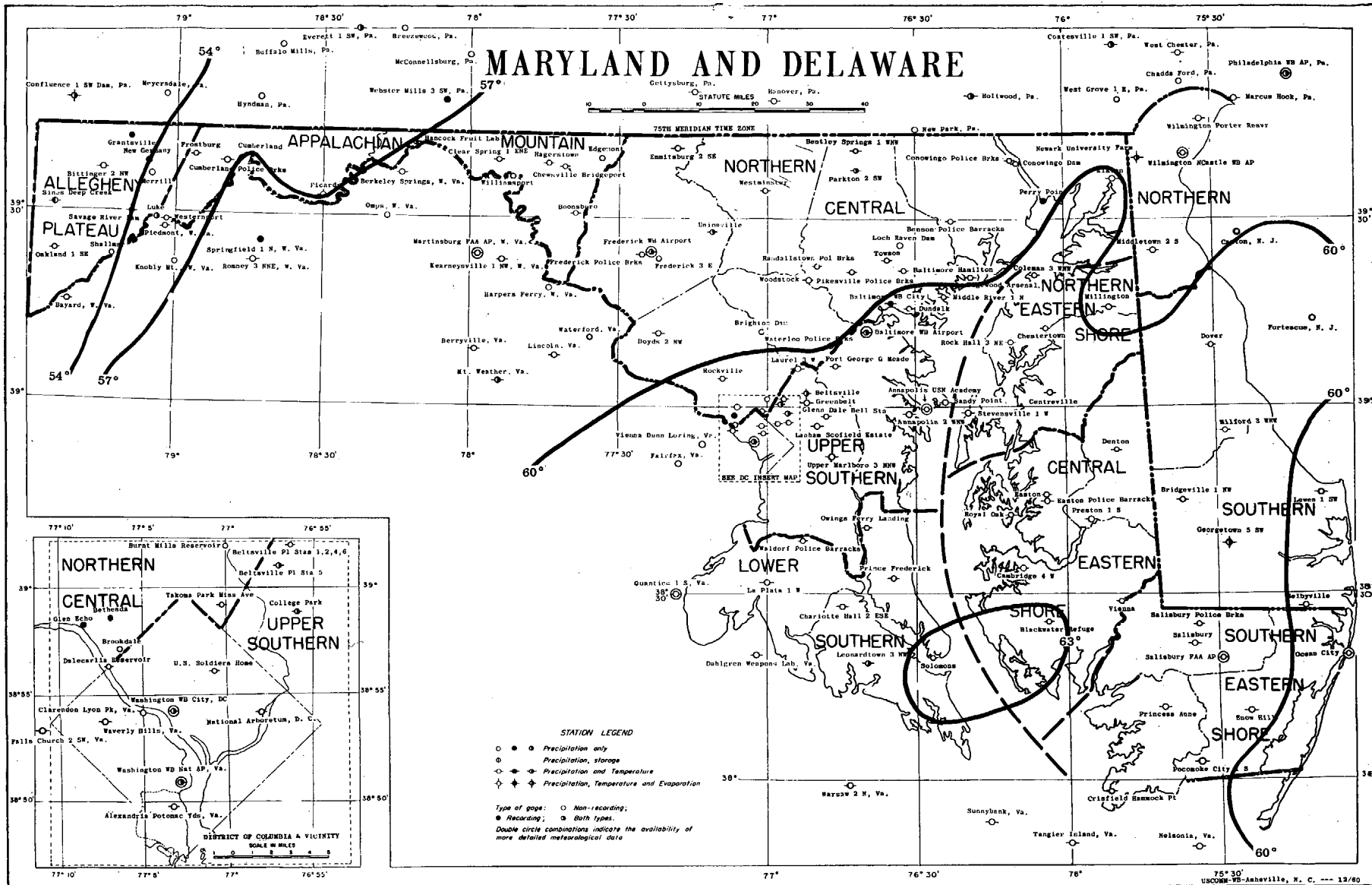
SNOWFALL AND SNOW ON GROUND

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																															T
	SN ON GND																															
CUMBERLAND	SNOWFALL																															T
	SN ON GND																															
OAKLAND 1 SE	SNOWFALL																															1.0
	SN ON GND																															
PARKTON 2 SW	SNOWFALL																															T
	SN ON GND																															
SAVAGE RIVER DAM	SNOWFALL																															T
	SN ON GND																															

See Reference Notes Following Station Index



Isohynes are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



AVERAGE TEMPERATURE

MARYLAND AND DELAWARE
MAY 1961

Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

MARYLAND AND DELAWARE
MAY 1961

STATION	INDEX NO.	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES			OBSERVER	
							TEMP.	PRECT.	EVAF.		
MARYLAND											
ANNAPOLIS U S N ACADEMY	0188	ANNE ARUNDEL	1	38 59	76 28	30	MID			H. U.S. NAVY	
BALTIMORE WB AIRPORT	0445	ANNE ARUNDEL	3	39 11	76 40	146	MID			C. H. U.S. WEATHER BUREAU	
BALTIMORE WB CITY	0470	BALTO CITY	3	39 17	76 37	14	MID			C. U.S. WEATHER BUREAU	
BELTSVILLE	0700	PRINCE GEORGE	5	39 02	76 53	120	BA			C. CHESTER H. GORDON	
BELTSVILLE PLANT STA 5	0705	PRINCE GEORGE	5	39 01	76 57	100	BA			C. USON PLANT INDU. STA.	
RENSON POLICE BARRACKS	0732	HARFORD	1	39 30	76 23	365	5P			C. MD. STATE POLICE	
BETHESDA	0795	MONTGOMERY	7	38 58	77 07	350	5P			C. KENWOOD COUNTY CLUB	
BITTINGER 2 NW	0881	GARRETT	7	39 37	79 15	2700	7P			C. ELBERT E. BUCKEL	
BLACKWATER REFUGE	0915	DORCHESTER	1	38 26	76 06	5	6P			C. NAT. WILDLIFE REFUGE	
BOONSBORO	0984	WASHINGTON	5	39 31	77 39	735	6P			C. J. HOWARD BECKENBAUGH	
BOYDS 2 NW	1032	MONTGOMERY	5	39 12	77 20	580	6P			C. RALPH F. STALEY	
BRIGHTON DAM	1125	MONTGOMERY	4	39 12	77 01	350	6P			C. WASH. SUB. SANIT. COMM.	
BROOKDALE	1170	MONTGOMERY	5	38 57	77 06	260	7P			C. B. FRANCIS DASHIELL	
BURN HILLS RESERVOIR	1278	MONTGOMERY	5	39 02	77 00	220	8A			C. WASH. SUB. SANIT. COMM.	
CAMBRIDGE 4 W	1385	DORCHESTER	1	38 36	76 09	5	6P			C. H. D. ARC MC B. HARDING	
CENTREVILLE	1627	QUEEN ANNES	1	39 03	76 03	44	6P			C. ALEXANDER J. KNIGHT	
CHARLOTTE HALL 2 ESE	1685	ST. MARYS	4	38 28	76 45	167	6P			C. J. B. TENNYSON	
CHESTERDOWN	1750	KENT	1	39 13	76 04	35	11P			C. H. T. W. ELIASON, JR.	
CHESSVILLE BRIDGEPORT	1770	WASHINGTON	7	39 41	76 41	960	5S			C. D. PAUL OSWALD	
COLEMAN 3 NW	1980	KENT	1	39 21	76 08	78	6P			C. W. B. HARRIS	
COLLEGE PARK	1995	PRINCE GEORGE	5	38 59	76 56	70	5P			C. H. U.S. GEOL. SURVEY	
CONOWING DAM	2060	HARFORD	6	39 39	76 10	40	MID			C. M. SUSQUEHANNA ELCTRIC CO.	
CONOWING POLICE BRKS	2065	HARFORD	6	39 39	76 11	195	5P			C. MD. STATE POLICE	
CRISFIELD HAMMOCK PT	2205	SOMERSET	1	37 58	75 32	7	5P			C. GEORGE H. STANLEY, 1111	
CUMBERLAND	2280	ALLEGANY	5	39 39	78 45	945	6P			C. M. R. GOLDEN	
CUMBERLAND POLICE BRKS.	2285	ALLEGANY	5	39 38	78 50	970	5P			C. MD. STATE POLICE	
DENTON	2523	CAROLINE	1	38 53	75 50	20	6P			C. JAMES K. COOPER	
EASTON AIRPORT	2695	TALBOT	1	38 48	76 04	80	5P			C. UNIVERSAL AVIATION CORP	
EDGEWORT	2770	WASHINGTON	5	39 40	77 33	905	6A			C. LES G. HANNE	
EDGEWOOD ARSENAL	2795	HARFORD	1	39 21	76 19	10	MID			C. U.S. ARMY SIGNAL CORPS	
ELKTON	2860	CECIL	1	39 36	75 50	28	6P			C. H. M. DOUCHELLE	
EMMITSBURG 2 SE	2906	FREDERICK	5	39 41	77 18	420	5P			C. H. MRS. LUCILLE K. BEALE	
FORT GEORGE G MEADE	3220	ANNE ARUNDEL	4	39 06	76 45	140	5P			C. H. FILTRATION PLANT	
FREDERICK POLICE BRKS	3348	FREDERICK	5	39 25	77 26	380	5P			C. MD. STATE POLICE	
FREDERICK WB AIRPORT	3350	FREDERICK	5	39 25	77 23	294	MID			C. H. U.S. WEATHER BUREAU	
FREDERICK 3 E	3355	FREDERICK	5	39 24	77 22	385	6A			C. MISS I. MARY STALEY	
FROSTBURG	3410	ALLEGANY	5	39 39	78 56	2035	6P			C. C. A. SUTER, JR.	
GLEN ECHO	3645	MONTGOMERY	5	38 58	77 09	150	5P			C. CORPS OF ENGINEERS	
GLENN DALE BELL STA	3675	PRINCE GEORGE	4	38 58	76 48	151	4P			C. H. PLANT INTRO. GARDEN	
GRANTSVILLE	3795	GARRETT	7	39 42	79 09	2380	6P			C. MRS. FANNIE B. MILLER	
HAGERSTOWN	3975	WASHINGTON	5	39 39	77 44	660	6P			C. HAGERSTOWN RESERVOIR	
HANCOCK FRUIT LAB	4030	WASHINGTON	5	39 42	78 11	428	8A			C. H. U. OF MD. FRUIT LAB.	
LA PLATA 1 W	5090	CHARLES	8	38 32	77 00	140	5P			C. H. C. RUSSELL LEVERING	
LAUREL 3 W	5111	PRINCE GEORGE	4	39 06	76 54	400	5P			C. WASH. SUB. SANIT. COMM.	
LEONARDTOWN 3 NW	5201	ST. MARYS	5	38 19	76 40	40	5P			C. H. RADIO STATION WKIK	
LOCH RAVEN DAM	5340	BALTIMORE	1	39 24	76 33	190	5P			C. CITY OF BALTIMORE	
LUKE	5530	ALLEGANY	5	39 28	79 04	1020	8A			C. HOWARD T. MARGOLD	
HERRILL	5894	GARRETT	5	39 34	79 05	1790	8A			C. DELWOOD E. HERRILL	
HILLINGTON	5985	KENT	1	39 16	75 51	30	6P			C. H. LOUIS H. HOLLETT	
NEW GERMANY	6408	GARRETT	9	39 38	79 07	2590	6P			C. ARCHIE BITTINGER	
OAKLAND 1 SE	6620	GARRETT	7	39 24	79 24	2420	5P			C. H. R. E. WEBER	
OCEAN CITY	6665	WORCESTER	2	38 20	75 05	17	MID			C. U.S. COAST GUARD	
OWINGS FERRY LANDING	6770	CALVERT	4	38 42	76 43	120	7P			C. H. EDWIN J. BOURNE	
PARKTON 2 SW	6844	BALTIMORE	1	39 38	76 42	600	11P			C. H. JOHN R. FOX	
PERRY POINT	6980	CECIL	1	39 33	76 04	40	5P			C. VETERANS ADMINISTRATION	
PICARDY	7010	ALLEGANY	5	39 33	78 30	1030	6P			C. POTOMAC HLND. ORCHARD	
PIKESVILLE POL BRKS	7015	BALTIMORE	5	39 23	76 43	500	5P			C. MD. STATE POLICE	
POKOMOKE CITY 1 S	7140	WORCESTER	2	38 03	75 34	20	5P			C. H. RADIO STATION WOHV	
PRESTON 1 S	7310	CAROLINE	1	38 42	75 55	50	6P			C. H. FRANKLIN D. NUSBAUM	
PRINCE FREDERICK	7325	CALVERT	1	38 32	76 35	140	5P			C. BOYD KING	
PRINCESS ANNE	7330	SOMERSET	1	38 12	75 41	15	5P			C. H. TOWN OF PRINCESS ANNE	
RANDALLSTOWN POL BRKS	7435	BALTIMORE	3	39 22	76 50	625	5P			C. MD. STATE POLICE	
ROCK HALL 3 SE	7700	KENT	1	39 07	76 12	15	6P			C. JOHN C. BRANCA	
ROCKVILLE	7705	MONTGOMERY	5	39 05	77 09	436	4P			C. COUNTY POLICE	
ROYAL OAK	7806	TALBOT	1	38 43	76 11	10	5P			C. H. J. L. SWAINE, JR.	

REFERENCE NOTES

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Friendship International Airport, Baltimore, Maryland, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue 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.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for October 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (Those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:00 a.m., E.S.T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.