

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

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

ANNUAL SUMMARY 1957

Volume LXI No. 13



ASHEVILLE: 1958

WEATHER SUMMARY

GENERAL

During the summer of 1957 the Maryland and Delaware area was gripped by one of the most severe droughts of record. Crop production and farm incomes were reduced sharply. In all divisions of the two-state area the total precipitation for the 4-month period, May through August averaged less than 67% of the long-period mean. The outstanding deficiency in precipitation was accompanied by well-above-normal temperatures which further aggravated the severe drought conditions.

January was marked by a heavy snowfall and a 6-day cold spell. February was conspicuous for the lack of stormy weather. Temperatures were mild and snowfall was unusually light except for one heavy fall on the Delmar Peninsula. Cloudy, foggy, and rainy weather predominated. March was likewise free of stormy weather. Temperatures were near normal and snowfall light. Unusually warm weather characterized April particularly during the last ten days. Damaging winds occurred with a cold frontal passage on the 9th. Although May was marked by a late frost, hailstorms, severe thunderstorms, and lightning it will be remembered also as the month in which drought conditions began to spread throughout the two-state area. June brought a hot spell and some severe thunderstorms. Precipitation, however, averaged near normal. Damaging drought conditions reached widespread proportions in July. A hot spell in the latter portion of the month aggravated the dry conditions and brought discomfort to the population. Hailstorms and severe thunderstorms occurred in addition to a small tornado. Heavy rains on August 25th virtually ended the 1957 summer drought which had reached severe proportions in Maryland and Delaware. Hail caused some crop damage. Generous rains characterized September. A small tornado occurred in Delaware. Lightning damaged property. In October a violent "northeaster" struck Maryland and Delaware and caused high tides, coastal flooding, and wind damage. November was mild except for a cold snap from the 10th to 12th. In December the heaviest snowfall in more than a decade struck many sections of Northern Central Maryland on the 3rd and 4th.

WEATHER EFFECTS

Snow and freezing rain in January caused hazardous driving conditions and contributed to numerous accidents and injuries. Ice in the upper Chesapeake Bay plagued shipping on several days after the notable cold snap. A good snow cover which persisted during the cold spell formed a protective covering for winter grains. Numerous dense fogs in February slowed or halted air traffic and ship movements. Travel on highways was made hazardous due to poor visibilities. Sleet and freezing rain on the 28th spread a dangerous coating of ice on highways except in southern portions. April commenced with humid, rainy weather and wet soils which interfered with plowing, seeding and other outdoor operations. However, high relative humidities were ideal for stripping and packing of tobacco for market. Below-freezing temperatures from the 10th to 16th resulted in damage to strawberries and tree fruits. Greatest fruit damage occurred to peaches on the lower Delmar Peninsula where most varieties suffered some damage. Hot, dry weather during the last ten days of April was ideal for field work and the rapid development of crops and particularly favorable for drying of tobacco beds which decreased the chances for development of blue mold. Below-freezing tem-

peratures on May 4th severely damaged apples in low spots in the Hancock area. Dry handling conditions contributed to a high loss in tobacco weight in packing. Hard, dry soil conditions particularly in western Maryland resulted in delayed corn planting. Some early planted fields manifested poor and uneven stands due to insufficient soil moisture. Widespread rains on June 4th-5th temporarily alleviated dry conditions except in western portions where soils remained generally quite dry. By the end of June lack of adequate soil moisture had become critical in most southern counties with hay, pastures, and vegetables affected most. Corn was seriously retarded in some localities, but, in general, corn as well as soybeans withstood the dry conditions fairly well. Despite some moderate to heavy showers in northern counties and generally scattered showers elsewhere on July 8th and 9th, drought conditions became worse for growing crops. The most widespread deterioration of crops occurred in Southern Maryland and the lower Delmar Peninsula. The persistent dry spell which started in April became progressively worse during the month of August especially in Northern Central Maryland, Southern Maryland, and the Delmar peninsula. Many fields of corn intended for grain were cut for silage or abandoned. Hay and pasture crops made very little or no growth with many pastures reported completely dried up. By August 24th most field corn and sweet corn in the two-state area and about one-half of the Southern Maryland tobacco crop was too far advanced to benefit from rains. Generous rains on August 24th and 25th over a large portion of the area east of the mountains generally alleviated the drought conditions and greatly benefited some late planted corn, sweet potatoes, soybeans, hay and pastures. Rain also permitted farmers to prepare soils for planting of winter grains, alfalfa, and permanent pastures. The general lack of adequate soil moisture in Washington and Allegany Counties, however, reduced the size of apples and peaches in non-irrigated orchards. Despite the rains in August the crop reporting service reported that as of September 1st pastures in Delaware were in the poorest condition ever recorded for that date and in Maryland, the poorest of record except for 1930. However, generous rains in September contributed to a rapid recovery of pasture growth and boosted sizing of apples and sweet potatoes. Some late-planted tobacco made a remarkable recovery, too. Weather in October was favorable for maturation of crops, planting of grains, and harvesting activities. Adequate soil moisture during the month contributed to abundant fall pastures and gave fall-planted grains a good start. Bad weather from December 4th through the 11th resulted in financial losses estimated in the millions of dollars in the Baltimore area mostly in wages and transportation delays. Ships were delayed in loading, unloading, and sailing and longshoremen suffered heavy wage losses. Construction work was also curtailed for most of this period.

TEMPERATURE

January and October were notable for temperature averages well below the long-term mean. February, April, May, June, September, November, and December came through with averages ranging from above to well-above the long-term mean. Record-low temperatures occurred during a 6-day cold spell in January as temperatures plunged to more than 10 degrees below zero with an extreme of -16° reported at Unionville and Fort George G. Meade on the 18th. Notwithstanding below-freezing temperatures on the 10th, 11th, 13th, 14th, 15th, and 16th with damage to strawberries and tree

WEATHER SUMMARY (Continued)

fruits, April was the sixth warmest of record for Maryland and fourth warmest for Delaware largely due to a hot spell from the 21st to 28th. June was marked by a hot spell from the 12th to the 19th. Although temperatures for July averaged generally below the long period mean for all divisions the month included a brief hot spell from the 20th to 22nd which included the highest temperature for the year in Maryland, 105°, at Keedysville on the 21st and Frederick Police Barracks on the 23rd. For virtually all stations the highest temperature of the year occurred in July, with extremes ranging from 90° to 93° in the Allegheny Plateau Division to generally 100° to 103° elsewhere. October ushered in the first chills of "winter" with two cold snaps from the 11th-14th and 26th-28th. As in 1956, December ended the year with temperatures well-above the long-term mean. Crisfield, the southernmost station in Maryland, had only 37 days with temperatures of 32° or below while all stations in Garrett County recorded a total of more than 150 days.

PRECIPITATION

The precipitation account for Maryland and Delaware was one of marked deficiency on an annual basis with the exception of a few scattered locations where spotty and locally heavy rainstorms brought totals up to near or above "normal." The April-through-August totals ran quite uniformly well-below the long period mean in most divisions as one of the most severe agricultural droughts of record hit the two-state area. For the period May through August division averages ranged from 31% of the long-term mean in the Central Eastern Shore and Northern Delaware Divisions to 67% of the long-term mean in Lower Southern Maryland. For the period May through July division averages ranged from a low of 47% of the long-term mean in the Central Eastern Shore and Northern Eastern Shore Divisions to a high of 73% of the long-period mean in the Appalachian Mountain Division.

SNOWFALL

Well-above-the-long-period-mean snowfall occurred over a large portion of the two-state area in January except the Northern Delaware, Appalachian Mountain and Allegheny Plateau Divisions. Middle and lower portions of the Delmar Peninsula received particularly heavy amounts of snow in January with Crisfield the southernmost station in Maryland reporting a maximum depth of 10 inches on the ground and tying with Bittinger 2 NW for the greatest depth on the ground for the month. Except for December, snowfall in the remaining months was generally below the usual expectancy. February snowfall was unusually light except for a heavy fall on the Delmar Peninsula on the 19th. In December the heaviest snowfall in more than a decade hit many portions of Northern Central Maryland on the 3rd-4th. Traffic was virtually paralyzed and thousands of motorists were temporarily

ly marooned on the blocked highways. At Washington D. C., the 8.0 inch snowfall on the 3rd-4th was the heaviest fall to occur so early in the season since records were kept exceeding the 7.0 inch fall on November 25, 1938. The greatest depth of snow on the ground during the year was reported from Benson Police Barracks, 15 inches, on December 4th. Bittinger 2 NW recorded the greatest total snowfall for the year, 78.8 inches.

DESTRUCTIVE STORMS

Strong, gusty winds caused various amounts of damage to property, such as, trees, overhead wires, television antennae, roofing, etc. on dates as follows: January 10th, 23rd; April 9th; May 15th, 26th; June 16th; July 5th, 17th, 28th; August 12th, 25th; September 10th; October 6th; November 19th.

Damaging lightning occurrences were reported May 14th and 26th; June 2nd, 16th, and 26th; July 28th; August 12th; and September 10th.

Severe windstorms in the form of "twisters" or small tornadoes reported were: July 5th - small tornado, Fenwick Island Beach, Delaware; 17th - severe dust devil in the Wilmington area damaged several homes; August 25th - reported as an "immature twister" in the Hills Point area of Dorchester County, Maryland; September 10th - a small tornado reported in Sussex County, Delaware.

Hailstorms of importance were reported as follows: May 15th - Andrews Air Force Base, 26th - Emmitsburg-Smithsburg area and Burkittsville, Maryland; July 5th - Sussex County, Delaware, 28th - Glen Burnie, Anne Arundel County, near Charlotte Hall, St. Mary's County; August 12th - Baltimore City and County, Easton, Talbot County, Ocean City, Worcester County.

FLOODS

Damage from flooding occurred generally from local flash flooding following heavy rainstorms. May 26th - some flooding of roads in Bentley Springs area; June 16th - some local flash flooding in streets of Baltimore and Wilmington; September 10th - flash flooding knocked out Charles Street bridge in Baltimore and flooded streets, basements, and stalled vehicles, October 6th - flooding of coastal roads caused by a "northeaster"; December 20th - Baltimore area, washed out street; Seneca Creek, 12 persons evacuated as creek overflowed banks; many small streams overflowed banks and covered some roads with as much as one foot of water; 26th - streams in Baltimore area turned into raging torrents; Israel Creek near Ceresville overflowed and spread several inches of water over State Route 26.

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.

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

MARYLAND AND DELAWARE
1957

Table 1-Continued

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual			
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure		
DELAWARE																												
BRIDGEVILLE 1 NW	31.6	- 5.5	40.5	3.5	43.6	- .6	57.7	4.5	65.4	1.8	75.5	3.4	76.8	- .6	73.1	- 1.5	70.7	2.4	54.2	- 3.8	49.3	2.0	41.3	3.5	56.7	.6		
DOVER	32.2	- 4.8	39.9	3.2	43.9	.4	56.1	4.4	65.8	1.4	75.0	2.1	77.1	- .1	74.5	- .9	71.4	2.1	56.0	- 2.7	50.1M	2.3	41.2	3.5	57.1	.8		
GEORGETOWN 5 SW	32.1		40.7		49.7		57.0M		65.7		75.6		76.8M		73.7M		71.4		54.4		49.2		41.7		56.0			
LEWES	32.7		40.2		43.0		57.3		63.9		74.2		75.1		72.9		71.5		55.2		49.6		41.9		56.5			
MIDDLETOWN 2 S	31.1		38.5		43.5		56.5		64.0		76.8		77.7		74.1		70.4		54.6		48.0		39.0		56.3			
MILFORD	31.0		40.4		44.1		57.6		65.7		75.2		77.1		73.5M		70.9		54.2		49.1		41.4		56.8			
NEWARK UNIVERSITY FA	29.5		38.9		42.0		55.6		64.2		74.3		74.0		73.4		69.1		53.4		46.6		38.2		55.1			
SELYAVILLE	33.6		41.8		44.5		58.5		65.4		74.0		75.3		72.5		70.8		55.1		49.8		42.6		57.0			
WILMINGTON NCASTLE WB AP	28.6	- 4.7	37.4	3.7	42.2	- .3	54.1	2.3	62.9	.1	74.2	2.4	75.9	+ 0	73.2	- .6	66.7	.7	53.3	- 2.9	46.6	1.1	37.9	2.8	54.6	.4		
WILMINGTON PORTER RESV	29.1		36.9		41.7		53.8		62.5		73.9		75.9		72.4		68.3		53.4		46.5		38.3		54.4			
DIVISIONAL AVERAGES																												
NORTHERN	29.6	- 4.7	37.7	3.5	42.3	- .1	55.0	3.0	63.6	.6	74.8	3.3	76.4	- .3	73.3	- .9	69.1	1.1	53.7	- 3.6	46.9	1.0	38.6	2.9	55.1	.6		
SOUTHERN	32.4	- 5.0	40.6	3.5	43.8	- .5	57.9	4.6	65.3	1.5	74.9	2.6	76.4	- .2	73.4	- 1.5	71.1	2.2	54.9	- 3.6	49.5	1.7	41.7	3.6	56.8	.7		

See Reference Notes Following Station Index

TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

MARYLAND AND DELAWARE
1957

TABLE 2 - CONTINUED

STATION	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
DIVISIONAL AVERAGES																										
SOUTHERN EASTERN SHORE	3.29	- .48	4.15	1.11	4.27	- .16	2.52	- .91	1.30	-2.25	3.60	- .10	1.65	-2.94	4.58	- .97	4.40	- .09	3.53	+.40	3.86	+.53	3.84	2.88	42.99	- 2.28
CENTRAL EASTERN SHORE	2.87	- .83	4.04	1.21	3.61	- .26	1.79	-1.65	1.23	-2.86	3.43	- .10	1.14	-3.43	3.17	-2.02	5.05	1.00	4.14	1.13	4.40	1.06	5.08	2.99	40.85	- 3.85
LOWER SOUTHERN	3.01	- .74	3.58	.89	3.19	- .47	2.19	-1.36	.78	-3.29	3.78	+.26	2.04	-2.83	5.64	+.28	3.81	- .17	4.12	+.90	4.51	1.33	6.27	3.27	42.92	- 1.93
UPPER SOUTHERN	2.84	- .77	2.77	.13	2.93	- .75	2.73	- .88	1.70	-2.52	3.89	- .06	1.85	-2.13	2.68	-2.35	2.86	+.21	2.46	- .58	2.22	+.11	5.70	2.78	36.53	- 6.50
NORTHERN EASTERN SHORE	2.37	-1.42	3.52	.66	3.32	- .55	1.96	-1.47	1.68	-2.36	2.67	- .64	1.05	-3.20	2.99	-1.93	4.85	1.38	2.85	- .18	4.08	+.79	3.96	2.91	37.53	- 6.00
NORTHERN CENTRAL																										
APPALACHIAN MOUNTAIN	2.43	- .98	2.89	.23	2.50	-1.43	3.66	+.09	2.61	-1.70	3.84	- .22	1.70	-2.31	1.87	-2.88	5.85	2.20	2.74	- .61	3.16	- .14	6.10	3.01	39.21	- 4.65
ALLEGHENY PLATEAU	2.83	+.00	3.18	1.11	1.96	-1.66	4.13	+.90	2.04	-1.91	4.15	+.27	2.22	-1.35	1.94	-2.89	3.03	- .06	4.04	+.95	2.17	- .52	4.28	1.62	35.08	- 3.54
DELAWARE																										
BRIDGEVILLE 1 NW	2.26	-1.47	4.05	1.26	3.83	- .37	1.52	-2.02	1.49	-2.51	8.47	5.05	.71	-3.98	1.67	-3.98	3.94	- .11	2.62	- .47	3.28	+.09	5.51	2.58	39.15	- 5.93
DOVER	1.86	-2.11	2.78	- .20	3.02	-1.10	1.59	-1.97	1.83	-2.56	2.65	- .76	1.30	-3.20	2.85	-2.90	4.34	+.64	3.20	+.05	4.85	1.36	4.82	1.70	83.29	-11.11
GEORGETOWN 5 SW	2.03		3.55		3.40		1.23		1.17		3.40		.37		2.30		4.66		2.90		4.65		6.26		E35.92	
LEWES	2.52		3.53		4.02		1.52		1.30		7.83		1.67		2.42		4.98		2.88		5.44		6.70		44.83	
MIDDLETOWN 2 S	1.61		3.85		2.91		3.08		1.00		3.63		2.23		3.17		3.76		3.75		2.56		5.26		E36.81	
WILFORD																										
NEWARK UNIVERSITY FA	1.91		2.13		2.23		3.90		1.67		4.27		1.78		2.72		6.47		2.90		3.81		5.90		39.98	
SELBYVILLE	2.70		4.29		4.60		2.60		1.77		3.36		.83		3.22		3.94		2.67		5.21		5.95		41.17	
WILMINGTON																										
WILMINGTON CASTLE NB AP	2.30	-1.26	3.78	.78	2.64	- .97	3.73	+.09	2.36	-1.45	3.65	- .57	1.39	-3.16	2.61	-2.67	6.55	2.75	2.51	- .48	3.11	- .22	4.74	1.75	39.09	- 5.41
WILMINGTON CITY HALL	1.69	-1.97	3.20	+.46	2.30	-1.88	3.85	+.30	1.57	-2.73	1.97	-1.98	.82	-3.02	1.77	-3.62	5.04	1.86	2.68	- .23	2.98	- .62	5.47	2.39	E33.34	-11.02
WILMINGTON PORTER RESV	1.72	-1.91	3.49	+.84	2.72	-1.37	3.89	+.16	1.60	-2.67	2.00	-2.02	.97	-3.32	2.04	-3.48	4.80	1.52	2.88	- .08	3.69	- .02	5.33	2.24	35.13	-10.11
DIVISIONAL AVERAGES																										
NORTHERN	1.89	-1.76	3.31	+.59	2.63	-1.39	3.84	+.27	1.66	-2.56	3.34	- .56	1.58	-2.59	3.14	-2.20	5.45	2.18	3.03	- .02	3.29	- .22	5.31	2.25	38.47	- 5.97
SOUTHERN	2.28	-1.72	3.70	+.71	3.72	- .46	1.78	-1.83	1.60	-2.50	5.03	1.44	1.09	-3.40	2.50	-3.24	4.55	4.42	2.80	- .45	4.71	1.17	5.84	2.73	39.60	- 7.15

See Reference Notes Following Station Index

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1957

Table 3—Continued

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.							
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.					
WESTMINSTER	97	7-21+	- 7	1-18	2-12	15	3- 5	20	3-31	23	4-15	25	5- 4	30	9-27	31	10-28	28	11-11	22	11-12	20	12- 6	15	297	252	225	196	146
WOODSTOCK	101	7-21	-12	1-18	1-24	16	3- 5	19	3-31	21	4-16	26	5- 4	31	9-28	32	11- 7	24	11- 7	24	11-12	15	11-12	15	292	252	221	205	147
DELAWARE																													
BRIDGEVILLE 1 NW	100	7-21+	-10	1-18	2-20	16	2-21	19	3- 4	23	4-16	28	5- 4	31	10-13	30	11-11	27	11-12	20	11-12	20	12- 6	15	289	264	253	209	162
DOVER	101	7-21+	- 1	1-18	1-20	16	1-24	18	2-24	24	3-11	28	4-15	32	10-28	32	11-12	23	11-12	23	12- 6	19	12-12	14	326	316	261	246	196
GEORGETOWN 5 SW	101	7-21+	-12	1-18	2-21	16	2-21	16	3- 5	24	4-16	26	5- 4	30	10-13	29	11- 7	27	11-12	18	11-12	18	12-12	15	294	264	252	205	162
LEWES	100	7-22	- 8	1-18	1-20	10	2-20	19	3- 4	24	3-11	28	4-16	30	10-13	31	11-10	28	11-12	19	11-12	19	12-12	14	326	265	253	244	180
MIDDLETOWN 2 S	104	7-22	- 8	1-18	1-20	9	2-12	18	3- 4	24	3-11	26	4-16	31	10-27	32	11-11	28	12- 5	14	12- 5	14	12- 5	14	319	296	276	245	194
MILFORD	101	7-21+	- 6	1-18	1-19	3	2-20	19	3- 5	24	4-15	28	4-16	32	10-13	31	11-11	25	11-13	23	11-12	20	12-12	14	327	265	253	210	160
NEWARK UNIVERSITY FARM	100	6-18+	- 8	1-18	1-24	16	2-12	19	3-11	24	4-16	27	5- 4	32	10-13	32	11-11	25	11-13	22	11-12	20	12- 6	11	316	273	247	209	170
SELBYVILLE	100	7-21+	- 4	1-18	1-20	10	1-20	10	2-21	24	3-11	28	4-16	30	10-13	29	11-11	28	11-12	19	11-12	19	12-12	15	326	296	264	245	180
WILMINGTON N CASTLE WBAP	102	7-21	- 4	1-18	1-20	12	2-12	19	3- 4	22	4-11	28	4-16	32	10-27	32	11-26	28	11-12	23	12- 5	20	12- 6	16	320	296	253	229	194
WILMINGTON PORTER RESVR	100	7-21	2	1-15	1-24	15	2-12	18	3- 5	24	3-11	26	4-15	30	10-28	32	11-11	26	12- 5	21	12- 6	20	12-12	13	322	297	275	245	196

TOTAL EVAPORATION AND WIND MOVEMENT

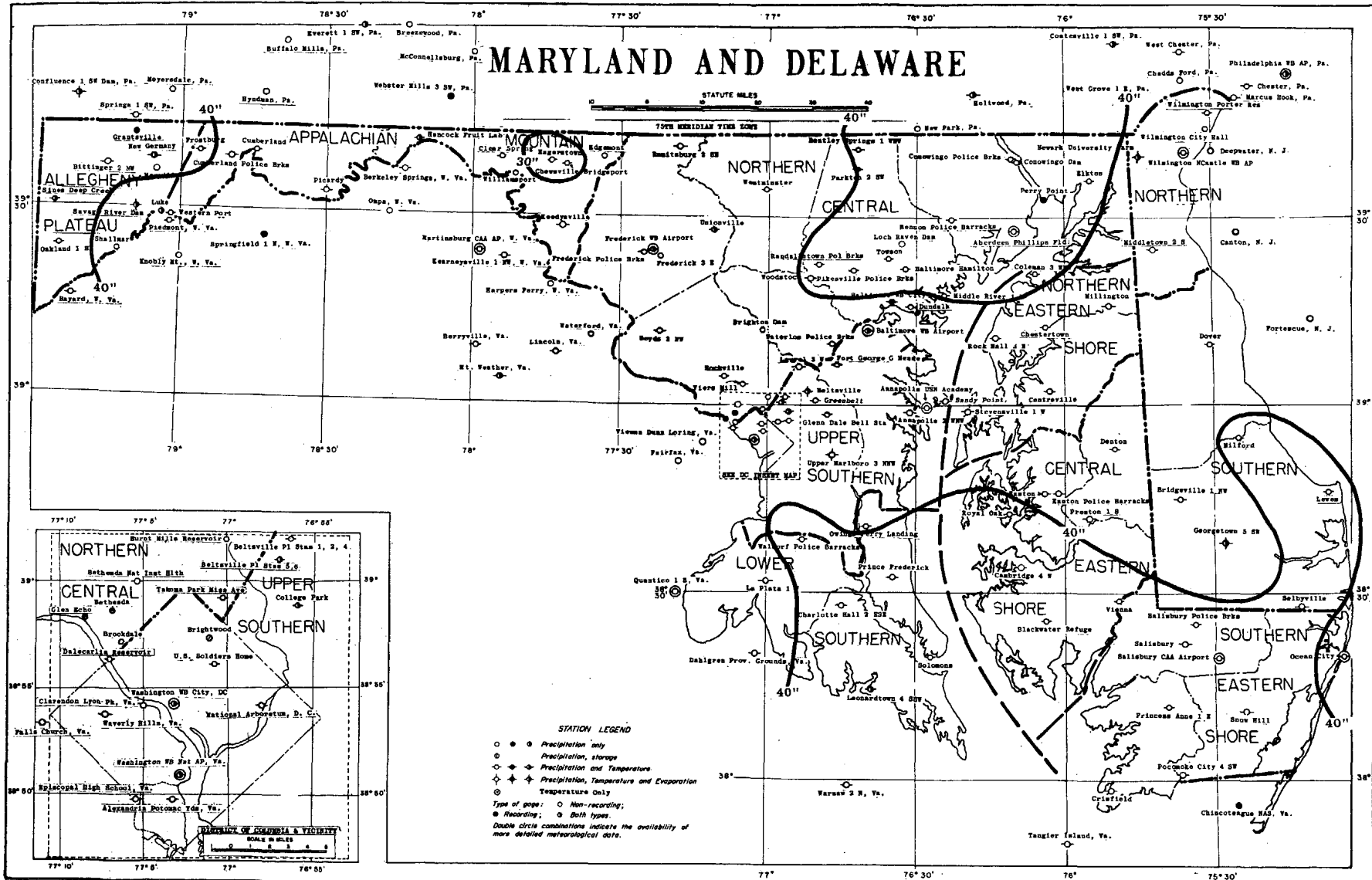
Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
BELTSVILLE, MD.	EVAP	-	-	-	-	B6.58	7.14	B9.63	B7.49	4.54	2.99	B2.01	-	-
	DEP	-	-	-	-	.42	.68	2.49	1.30	-.20	-.30	-.12	-	-
	WIND	-	-	-	-	1147	1083	1383	1315	618	1157	B1308	-	-
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-
SAVAGE RIVER DAM, MD.	EVAP	-	-	-	-	6.79	5.34	6.91	6.26	3.71	B2.64	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	1794	1398	1303	1066	981	1369	-	-	-
	MAX	-	-	-	-	-	82.7	85.8	83.5	76.9	63.8	-	-	-
	MIN	-	-	-	-	-	59.3	59.4	56.5	55.3	43.0	-	-	-
UPPER MARLBORO 3 NNW, MD.	EVAP	-	-	-	B4.94	6.83	B6.90	7.71	6.87	B4.07	B2.58	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	1539	747	422	285	314	138	597	-	-	-
	MAX	-	-	-	75.1	84.8	89.2	89.1	85.4	8.22	66.0	-	-	-
	MIN	-	-	-	47.9	54.9	67.2	66.3	63.3	64.1	45.6	-	-	-
GEORGETOWN 5 SW, DEL.	EVAP	-	-	-	-	-	-	-	-	B3.88	B2.90	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	-	-	-	-	854	1335	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWARK UNIVERSITY FARM, DEL.	EVAP	-	-	-	-	B6.02	B6.38	8.51	6.44	B4.67	2.26	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	583	902	-	-	-	-	-	-	-
	MAX	-	-	-	-	-	95.0	91.7	88.2	84.6	66.9	-	-	-
	MIN	-	-	-	-	-	67.6	67.8	66.5	63.9	47.0	-	-	-

† CHANGES IN STATION NAMES

NEW NAME	OLD NAME	DATE
<u>MARYLAND</u>		
BALTIMORE HAMILTON	BALTIMORE PARKSVILLE	March 1957
<u>DELAWARE</u>		
NEWARK UNIVERSITY FARM	NEWARK COLLEGE FARM	April 1957
<u>RELOCATION AND CHANGES IN EQUIPMENT</u>		
<u>MARYLAND</u>		
BALTIMORE HAMILTON	All equipment moved 2.3 miles SW	March 30, 1957
DUNDALK	All equipment moved 0.7 mile NNE	March 13, 1957
MILLINGTON	All equipment moved 0.2 mile NNW	January 1, 1957
PIKESVILLE POLICE BRKS	All equipment moved 40 feet E	February 14, 1957
SNOW HILL	All equipment moved 0.3 mile NNE	May 1, 1957
WALDORF POLICE BRKS	All equipment moved 200 feet S	April 1, 1957
<u>DELAWARE</u>		
DOVER	All equipment moved 130 feet S	April 12, 1957

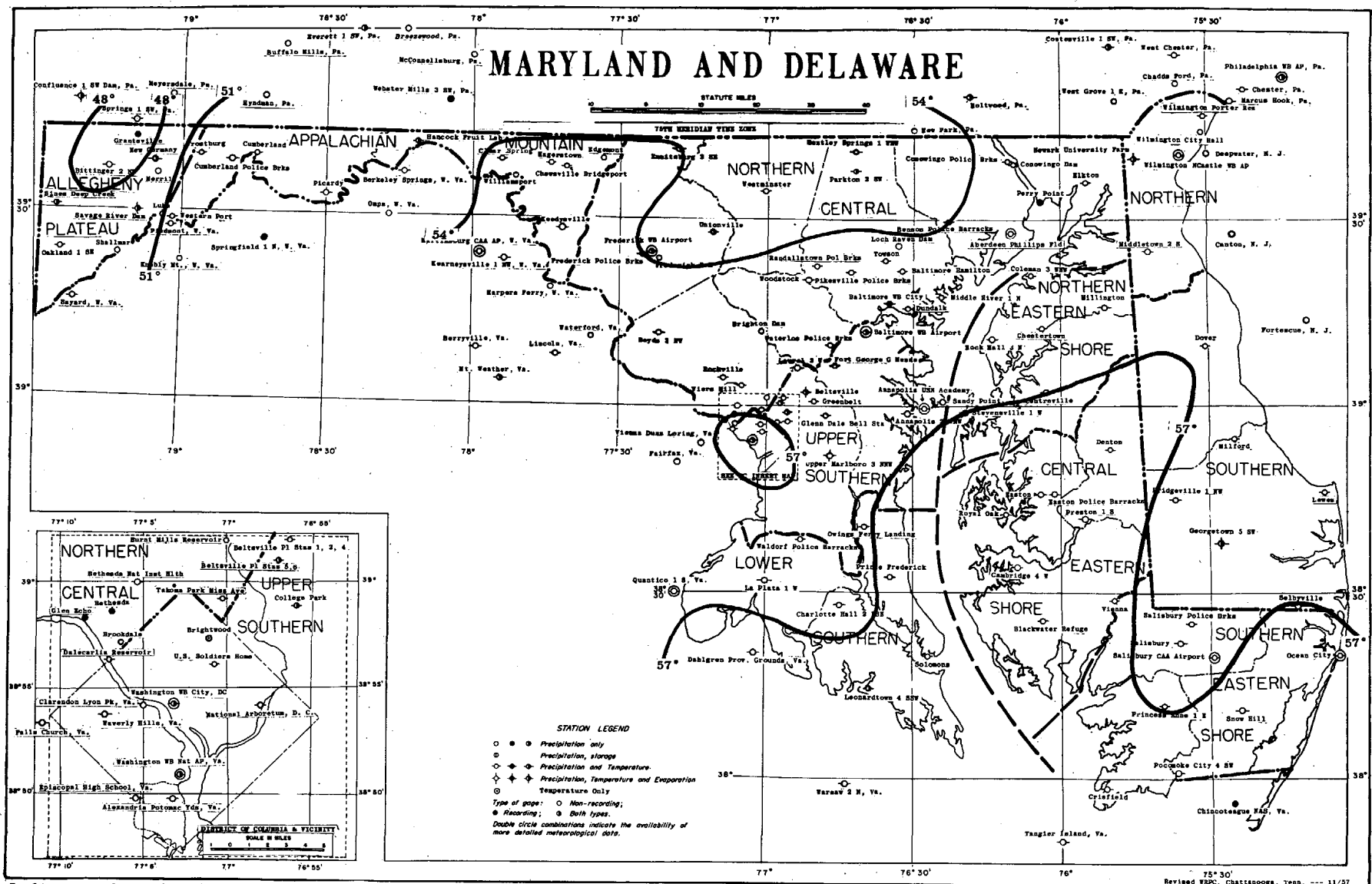
See reference notes following Station Index.



TOTAL PRECIPITATION

MARYLAND AND DELAWARE
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
1957

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

