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



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 characteristics. terized 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 thun-derstorms occurred in addition to a small torna-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 lateplanted 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

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 twostate area. For the period May through August division averages ranged from 51% 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 longperiod 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 southern-most 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 temporari-

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 - Emmits-burg-Smithburg 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.

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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.

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Station	Temperature	Departure	Temperature	Departure	Temperatu	Departure	Temperature	Departure	Temperature	Departure	Тетрегаture	Departure	Temperature	Departure	Temperature	Departure	Temperatu	Departure	Тепрегация	Departure	Temperatu	Departure	Temperatu	Departure	Temperatu	Departure
ABERDEEN PHILLIPS FLD ANNAPOLIS U S N ACADEM ANNAPOLIS 2 WNM BALTIMORE SLEDDS PT BALTIMORE WB AIRPORT	29.3 31.8M 31.7 32.7 30.3		39.0 40.2	2•1	42.3 43.7M 43.2M	•4	54.9 55.4 55.6M 56.2	1.9	62.8 65.4 66.4 64.9	3 1.2 2.0	76+1M 74+3M	2.5		0		- 1.9 - 1.5	68.4 71.3	1.4	52.9 55.4 53.2	- 6.4 - 3.9	48+6	1.6	40.1 39.1	1.9	56.6	.:
BALTIMORE WB CITY BALTIMORE HAMILTON BELTSVILLE BELTSVILLE PLANT STA 1 BELTSVILLE PLANT STA 2	33.0 30.5 28.9 29.9 29.5	- 3.6	41.3 37.4M 38.2 38.4 37.8	4.0	46.5 43.0M 41.5 42.1 41.3	1•2	59.3 57.4 54.8 55.5 55.1	5.0	68.2 65.8 62.5 63.4 63.1	2.9	78.0 74.5 72.7 73.2 72.6	3.7	81.1 76.6 74.9 75.0 73.9	2.6	77.4 74.1 72.2 72.5 71.3	1.0	73.0 70.3 68.7 69.3 68.7	2.6	57.6 54.8 51.3 52.4 51.5	- 1.7	50 .8 48 .8 45 .7 46 .7 45 .8	2.1	42.1 40.0 37.7 38.2 37.6	3 4 3	59.0 56.1 54.1 54.7 54.0	1.5
BELTSVILLE PLANT STA 3 BELTSVILLE PLANT STA 4 BELTSVILLE PLANT STA 5 BELTSVILLE PLANT STA 6 BENSON POLICE BARRACKS	30.6		38.7 38.5 37.9 38.8 37.4		42.6 43.1 41.5 43.8 42.0		56.0 56.3 55.2 56.9 54.9		64.0 64.8 63.2 65.0 63.2		73.3 73.9 72.6 73.8 72.8		76.4 74.3 76.4 74.0M		73.2 71.0 73.1 71.0		69.6 68.7 69.8 67.2		53.0 51.0 52.6 51.0		47.4 45.6 47.4 44.6		38.8 37.7 38.5 36.1		55+4 54+0 55+6 53+6	
BENTLEY SPRINGS 1 WWW BETHESDA NAT INST HLTH BITTINGER 2 N W BLACKWATER REFUGE BOYDS 2 NW	27.3M 31.3 22.8 34.8 30.1		36.2 39.4 33.1 41.7 38.1		40.3 43.9 34.8 44.6 42.6		54.4 57.7 49.9M 58.3 55.7		61.5M 64.9M 58.1 66.3 63.0M		74.2 65.8 75.3 72.9		74.7M 75.8 66.8 76.4 74.8		70.3M 73.2 65.0 73.3 72.2		66.2 69.7M 60.9 71.3 66.3		50.6 52.0 45.6 55.3 52.8		43.7 47.0 39.2 49.1 46.7		35.6 39.9 31.9 41.2 38.5		55.8 47.8 57.3 54.7	
BRIGHTWOOD DC CAMBRIDGE 4 W CENTREVILLE CHARLOTTE HALL 2 ESE CHESTERTOWN	32.3 32.3 31.3 34.0 31.5		39.9 40.4 39.8 41.2 39.1		44.2 44.4 43.0 45.2 44.1	İ	56.4M 57.9 57.8 59.6 56.9		0646 65.6 65.8 66.3		75.6 75.9 74.5 72.5M 76.3		78.5 78.0 75.2 76.3 78.4		74.4 73.1 72.0 72.3 74.3		71.3 70.8 70.2 68.8 71.2		53.8 54.3 52.8 54.8		48.5 49.7 48.4 49.1		40.3 41.5 40.5 40.2		56.8 57.1 56.5 56.8	
CHEWSVILLE BRIDGEPORT CLEAR SPRING COLEMAN 3 WNW COLLEGE PARK CONDWINGO DAM	29.5 29.4 31.5M 31.6 28.8	- 3.2 - 4.1 - 4.9	38.1 37.7 40.1 40.5 36.5	4.9 4.1 3.8	41.9 42.4 M 44.4 42.2	2	55.2 54.9 57.4 58.7 54.8		63.9 64.7 66.2 66.6 62.9	2.2 1.7 2.0	74.0 73.7 75.8M 75.5 73.4	3.9 2.8 2.8	74.7 75.3 78.6M 76.8 75.2	.9 1.1 .0	72.5 73.8 75.5M 73.9 72.0	4 - 1.1	68.6 68.5 71.7 70.6 68.4	3.2 1.9 2.1	51.8 52.7 56.6M 53.7 52.7	- 3.0 - 2.7 - 3.9	45.3 46.6 49.5 47.5 45.6	1.9 2.1 .9	37.7 38.5 40.9 40.1 36.8	4.1 3.7 3.1	54.5 54.8 56.7 54.1	1.7
CONOWINGO POLICE BRKS CRISFIELD CUMBERLAND CUMBERLAND POLICE BRKS DALECARLIA RESERVOIR D	29.3 35.1 29.3 29.4 32.5	- 4,9	37.9 42.0 37.5 37.3 40.8	2+0	42.6 46.3 41.8 41.4 44.7		55.5 59.9 55.9 53.8M 59.5	3.1	64.2 68.1 64.0 63.4M 67.2	1.1	74.0 77.0 72.2 72.1 76.1	1.6	74.2 79.8 73.8 M 77.7M	•4	71.9 76.0 71.7	- 2:0	67.9 73.8 67.5 63.7 71.0	1.1	52.8M 58.1 51.5 48.0 53.3	- 4.3	46.4 51.8 44.6 40.4 47.4	46	37.7 43.5 37.1 32.9 39.5	2•1	\$4.5 59.3 53.9 57.0	• •
DENTON DISTRICT HEIGHTS DUNDALK EASTON EASTON POLICE BRKS	31.5 32.2 32.1 32.9 32.1	- 4.8	39.9 40.5 40.8 40.8	3.8	44.0 44.7 44.9 43.6		58.2 57.3 59.1 58.4	4.4	67.2M 66.1 67.3 66.2M	1.7	76.8M 75.0 76.6 76.5M	3.5	78.4M 77.4 78.6 76.2	- 1.0	75.4 74.1 74.3 72.4	- 3.0	71.8 70.3 71.1 69.9	.8	54.4 54.6 54.4	- 3.B	49.0M 48.2 49.5 48.9M	1.2	40.9 39.8 41.9 41.5	3.9	57.3 56.7 57.6 56.7	
ELKTON EMMITSBURG 2 SE FORT GEORGE G MEADE FREDERICK POLICE BRKS FREDERICK WB AIRPORT	30.0 29.9 30.5 30.7 28.7	- 4.1 - 4.0	38.9 38.2 39.3 39.2 37.7	4.5 3.6	42.6 42.1 42.9 43.5 41.6	Ì	56.1 55.5 57.8 56.8 54.6	3.7	64.1 62.8 64.7 64.8 62.2	- 1.7	74.9 73.5M 73.7 74.6 73.7	3.1	76.3 74.1 75.0 73.6M 74.4	- ·1 - 2·3	73.2 72.1 72.3 74.3M 72.1	- 1.3 - 2.5	69.2 66.9 69.1 69.1 67.5	1.4	52.5 51.6M 51.9 53.3 51.2	- 4.1	46.3 46.0 47.0 46.5 44.7	1.0	38.0 37.4 39.1 38.0 36.3	2.8	55.2 54.2 55.3 55.4 53.7	- 1.0
FROSTBURG GLENN DALE BELL STA GREENBELT HAGERSTOWN HANCOCK FRUIT LAB	26.0 30.9 30.9 29.7 28.5	- 5.4 - 4.7	35.3 39.7 38.4 38.1 36.4	3.8 3.9	38.8 43.3 41.9 42.8 40.4	. •5	52.8 57.9 56.0 55.8 53.3	3.4 4.6	61.3 65.5 63.8 64.5 61.0	1.3 1.7	69.2 74.5 73.0 74.0 71.0	1.2	70.3 75.3 74.9 74.5 73.6	- 1.3 7	68.4 73.3 72.1M 72.3 69.8	- 1.6 9	64.1 70.2 69.1 67.3 66.1	244	49.1 52.8 52.4 51.4 50.1	- 4.4	42.6 47.3 47.0 45.0 43.7	1.0	35.3 39.6 38.3M 37.9 35.9	3.4 3.6	51.1 55.9 54.8 54.5 52.3	•
KEEDYSVILLE LA PLATA 1 W LAUREL 3 W LEONARDTOWN 4 SSW MIDDLE RIVER 1 N	27.0 31.8 33.5	- 7.1	39.2 40.6 39.9 41.3 37.9M	4.4	43.3 44.9 44.6 45.5 41.9M		56.8 58.3M 57.8 59.3 54.9	4.0	64.5 65.1 66.3 67.5M 63.9	.8	75.2 74.7 75.1 75.8 73.6	3 • 2	75.9 76.1M 77.8M 77.8 74.8	3	74.5 72.8 75.2 74.0 71.2M	•1	69.1 69.7 70.9 71.9 67.8M	1.8	53.2 52.1 55.4M 55.1 51.7	- 3.5	46.2 46.8 49.2 50.2 45.1	1.3	38.7 40.5 41.0 41.8 37.2M	3.7	55.3 56.1 57.8	•1
MILLINGTON NATIONAL ARBORETUM D C NEW GERMANY DAKLAND 1 SE OCEAN CITY	31.2 33.3 22.2M 25.1 34.4	- 4.8 - 4.8	38.4M 41.7 33.9 35.4 41.7	2+4 5+5	42.6 45.9 32.5M 36.5 45.7	3	56.8 60.4 48.5 51.1 57.1	3.1 4.1	64.2 68.1 58.5 58.0 65.4	•1	74.5 76.8 65.4M 67.1 72.5	2 • 2	75.6 79.6 64.3 67.5 75.8	- 1.1 7	71.9 76.1 64.8 65.8 75.4	- 3.0 - 1.1	68.2 72.1 M 61.9 73.1	- •5 1•1	52.9 54.9 N 45.4 56.0	- 542	47.2 49.6 M 40.8 49.4	•1 1•7	39.3 41.4 33.5 43.6	2 • 2 3 • 2	55.2 58.3 49.0 57.5	2.0
OWINGS FERRY LANDING PARKTON 2 SW PICARDY PIKESVILLE POL BRKS POCOMOKE CITY 4 SW	32.9 27.2 28.8 31.2	- 4.6	40.6 35.9 37.6 39.2 42.7	3.0	44.6 40.3 43.1 45.5		58.9 53.2 54.6 57.0 58.6	4+1	66.9 60.7 62.2 65.0 64.5	2.1	75.2 71.3 71.2 73.9 74.5	2.2	77.2 72.6 72.9 76.1 75.0	• 2	73.2 70.0 71.1 73.6M 73.6	- 1.9	69.7 66.0 66.6 68.9 71.2	•7	53.5 50.5 51.0M 54.1M	- 5.3	49.3 43.8 44.1 47.0M 50.2	1.1	41.3 36.0 37.1 37.2 42.8	2.9	57.0 52.3 55.5 57.3	••
PRESTON 1 S PRINCE FREDERICK PRINCESS ANNE 1 E RANDALLSTOWN POL BRKS ROCK HALL 3 N	32.9 33.5M 33.9 30.5 31.2	- 4.7	41.4 41.2 41.9 38.6 39.3	3•3	44.6 45.3 44.2 43.2 43.5		58.9 58.6 58.4 56.7 56.8M	3•2	66.7 66.5 65.1 64.5M 64.8	.4	76.3 74.6 73.9 73.4 74.6M	1•7	77.4 76.1 75.4 75.6 77.5	•2	73.5 72.5 72.8 73.0 72.7M	- 2.5	70.9 70.3 70.5 68.2 69.7	• 7	54.5 53.6M 54.0 52.3M 54.8M		49.8 49.4 48.9 46.6 48.3	1.0	41.7 41.0 41.9 37.9M 40.0	2 4 9	57.4 56.9 56.8 55.0 56.1	•2
ROCKVILLE ROYAL OAK SALISBURY SALISBURY POLICE BRKS SALISBURY CAA AIRPORT	32.4 33.3 34.2 32.8M 32.0		40.5 41.1 42.5 40.7 40.7		44.0 45.4 45.5 44.6 43.9		59.6 60.4 58.9M 58.2		68.9M 67.8 66.8 65.8M 64.0		76.0 76.9 75.8 75.0 75.0		78.9 79.4 77.2 76.0 75.5		76.2 75.2 74.3 73.2M 72.6		71.4 71.9 72.1 70.5 70.2		54.6 55.9 56.0 54.3M 54.0		50.2 50.4 50.5M 50.2M 48.4		40.6 42.0 43.1 41.6M 41.9		58.2 58.2 57.0 56.4	
SANDY POINT SAVAGE RIVER DAM SINES DEEP CREEK SNOW HILL SOLOMONS	31.0M 26.2 24.0M 34.3 34.8	- 4.5	39.1M 34.4 33.3 42.3 41.1		44.1 37.6 35.1 44.9 45.7	4	56.6 51.5 49.2 58.8 58.4		65.7 59.8 58.1M 64.9 67.9	.8	75.5 67.8 67.4 75.2 75.2	2.6	77.6 69.2 67.3 75.9 78.7	4 9 3	75.0M 66.8 64.3M 72.8 75.2	- 1.7 - 2.4 - 2.7	71.6 63.2 61.1M 71.8 73.1	2.7	56.2 47.4 44.9M 55.5 57.2	- 6.4 - 3.2 - 4.1	48.8 41.3 40.0M 49.8 51.4	2.2 1.6 1.1	40.3 33.2 33.0M 42.5 42.6	3 • 8 3 • 2 2 • 2	56.8 49.9 48.1 57.4 58.4	.7
STEVENSVILLE 1 W TAKOMA PARK MISS AVE TONOLOWAY TOWSON UNIONVILLE	30.6M 32.4 29.9 31.0 28.7	- 3.2	38.6M 40.3M 37.9 38.6 37.7	4.2	45.0 44.6 41.4 42.6 41.1	- •1	57.7 58.7 54.3 56.6 54.5	2.9	67.1 65.5 64.4 61.3		76.7 74.3 73.6 73.2		79.3 76.2 76.1 73.8		75.9M 73.1M 73.0 71.4		72.8 69.8 68.4 67.7		56.4 53.3 52.3 50.9		50.0 48.1 46.3 43.9		40.8 39.9 38.1 36.7		57.6 56.4 55.1 53.4	
U S SOLDIERS HOME D C UPPER MARLBORO 3 NNW VIENNA VIERS MILL WALDORF POLICE BRKS	31.4 30.7 33.8 31.3M 32.3		39.3 38.1 42.1 40.4M 40.7		43.8 42.6 44.9 44.8M 44.3		56.5 56.8 59.6 59.3M 58.9		65.5 64.8 66.2 64.8M 66.0M		74.3 73.7 76.9 74.4 74.9M	j	77.7 75.2 77.6 75.8M 76.8M		74.1 72.3 74.5 72.6M 73.9M		70.3 69.6 72.0 69.0M 68.9M		53.7 52.5 55.0 53.5M 50.3		48.1 47.4 50.8 48.2M 45.8		39.9 39.8 42.7 40.4M 40.3		56.2 55.3 58.0 56.2 56.1	
MASHINGTON WB CITY DC WATERLOO POLICE BRKS WESTERN PORT WESTMINSTER WOODSTOCK	33.0 29.9 30.5 28.5 29.7	- 3.9 - 5.2 - 4.5	38.7 38.3 37.2		43.1 42.2 41.5	3 4	59.4 56.7 55.3M 54.6 55.5	2.7	67.2 64.8 64.3 62.8 63.8	2.0 1.6 .2	76.6 72.7 71.6 72.6 73.2	2.7 1.2 1.8 2.1	78.8 75.2 N 74.1 74.0		75.6 72.4 72.9 71.5 71.9	2 - 1.7 - 1.6	71.9 68.3 68.1 66.9 68.1	1.7	55.0 52.4 52.0 51.6 51.9	- 3.4 - 4.2 - 4.3 - 3.7	45.3	1.4 1.4 .7 1.6	41.6 38.5 38.6 37.0 37.6	3 • 4 3 • 7 2 • 5 3 • 0	58.0 55.0 53.6 54.3	1.4 1
DIVISIONAL AVERAGES SOUTHERN EASTERN SHORE CENTRAL EASTERN SHORE LOWER SOUTHERN UPPER SOUTHERN	33.9 33.0 33.3 31.1	- 5.0 - 4.4 - 4.5	41.0	3.0	45.1 44.6 45.1 43.4	3	58.8 58.8 58.9 56.9	4.5	65.6 66.8 66.6 65.1	2.0 1.5	74.9 76.4 74.7 74.4	3.3 1.5	76.3 77.8 77.0 76.4		74.0	- 2.1 - 1.6 - 2.2 - 2.5	71.3 70.3 70.1	1.9 .8	55.3 54.9 53.5 53.3	- 4.4 - 4.0 - 5.6	49.7 48.8 47.5	1.6	42.6 41.7 41.1 39.4	2.9 3.4 2.5 1.7	57.5 57.5 57.0 55.9	.2 .9 .1
NORTHERN EASTERN SHORE NORTHERN CENTRAL APPALACHIAN MOUNTAIN ALLEGHENY PLATEAU	31.2 30.1 28.9 24.1	- 4.7 - 4.1 - 4.4	39.2 38.5 37.6 34.0	3.2 4.0 3.8	43.8 42.8 41.6 35.3	.0 .4	57.2 56.1 54.8 50.0	3.7 3.0	65.6	.9 1.1	75.4	2.5	77.4 75.4 73.6 67.0	•3	73.7 72.7 71.9	- 1.5 - 1.1 6 - 1.4	70.6 68.6 67.0	1.4	55.1 52.6 51.1 45.8	- 3.2 - 3.8 - 4.1 - 4.3	48.8 46.4 44.4	1.5 1.3 .8	38.1 37.0 32.9	3.0 3.1 3.5	54.9 53.7 48.5	.6 .5

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS MARYLAND AND DELAWARE 1957

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	Jan	uary	Feb	ruary	Ma	rch	Ąр	ril .	М	ay	Ju	D.	Ju	ly	Aug	gust	Septe	mber	Octo	ber	Nove	nber	Decer	nber	Ann	ual
Station	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 DOVER GEORGETOWN 3 SW LEWES MIDDLETOWN 2 S		- 5.5 - 4.6			43.6 43.9 43.7 43.0 43.3		57.7 58.1 57.9N 57.3 56.5	4.4	55.4 65.8 45.7 63.9 64.8		75.5 75.0 75.6 74.2 76.8	3.4 2.1	76.8 77.1 76.8M 75.1 77.7	- ·i	73+1 74+5 73+7M 72+9 74+1		70.7 71.4 71.4 71.5 70.4		54.2 56.0 54.4 55.2 54.6		49.3 50.1M 49.2 49.6 48.0		41.3 41.2 41.7 41.9 39.0	3.5		•
MILFORD NEWARK UNIVERSITY FA SELBYVILLE VILMOTOM NCASTLE WB AP WILMINGTOM PORTER RESV		- 4.7	40.4 38.0 41.8 37.4 36.9	3.7	44.1 42.0 44.3 42.2 41.7	3	57.6 55.6 58.5 54.1 53.8		65.7 64.2 85.4 82.9 62.5	.1	75.2 74.3 74.0 74.2 73.9	2 • 4	77.1 76.0 75.3 75.9 75.9	•0	73.5H 73.4 72.5 73.2 72.4	6	70 • 9 69 • 1 70 • 8 68 • 7 68 • 3	47	54.2 53.4 55.1 53.3 53.4	- 2.9	49.1 46.6 49.8 46.6 46.5	1.1	41.4 38.2 42.6 37.9 38.3	2+8	50.8 55.1 57.0 54.6 54.4	•

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 75.3 - .9 69.1 1.1 53.7 - 3.0 46.9 1.0 38.6 2.9 55.1 32.4 - 5.0 40.6 3.5 43.8 - .5 57.9 4.6 65.3 1.5 74.9 2.0 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

TABLE 2					CIP	1177	110	11 U	ממ.	L/11.	TVI		ILES	riv		LO.	NG-	رند ۱.	11111	14111.	711	<i></i>		RTLANI	AND DE	1957
	JAN	UARY	FEBRA	IARY	MAI	RCH	AP	RIL	MA.	Y	JUN	iE	טנ	ILY	AUC	SUST	SEPTEA	ABER	осто	OBER	NOVE	MBER	DECE	ABER	ANA	IUAL
STATION	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	OEPARTURE,	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
ABERDEEN PHILLIPS FLD ANNAPOLIS U S N ACADEM ANNAPOLIS 2 WINW BALTIMORE SLEDOS PT BALTIMORE WB AIRPORT	2:31 2:37 2:65 2:82 2:28	- •87	3.01 3.01 3.44 2.74 2.61	.39 .55	3.05 3.84 3.85 2.27	65 .26	3.75 1.64 1.93	-1.77 -1.26	•73 •69	-1.31 -3.26	4.66 3.33 2.75 4.08	1.33	1:18 2:01 2:50		2,86 2,05 2,42 - 2,44	81 -2.54 -1.94	6.29 4.37 5.63	3.06 .91 2.17	2.56	16 95 -1.16	2.80 3.40 - 2.87	40 .64 09	5.55 - 5.30	2.71	E33494	- 6,46 - 8,64
BALTIMORE WB CITY BALTIMORE HAMILTON BELTSVILLE BELTSVILLE PLANT STA 1 BELTSVILLE PLANT STA 2	1.92 2.61 2.54 2.40 2.40	-1.74	2.92 3.36 2.51 2.49 2.40	- 407	2.55 3.39 3.01 2.83 2.80	-1.08	3.27 3.74 2.98 3.02 3.04	- •45	1.83 2.47 2.11 2.45 2.06	-2,18	4.18 6.21 4.27 3.64 3.42	•66	1.82 2.10 1.71 3.12 2.94		1.09 1.62 3.25 3.10 2.90	-3,29	7.77 8.40 4.21 3.27 3.20	4.34	1.71 2.50 2.86 2.53 2.09	-1.46	3.19 3.45 3.05 3.07 3.01	• 29	5.45 6.21 5.47 5.25 9.27	2 • 50	37.70 46.24 37.97 37.17 35.82	- 4.89
BELTSVILLE PLANT STA 3 BELTSVILLE PLANT STA 4 BELTSVILLE PLANT STA 5 BELTSVILLE PLANT STA 6 BENSON POLICE BARRACKS	2.42 2.45 2.44 2.43 2.47		2.63 2.59 2.58 2.59 3.32		2.71 2.75 2.61 2.72 2.87		3.06 2.98 3.01 3.01 3.46		2.12 2.12 2.05 2.18 3.57		4:02 4:03 3:92 4:13 5:34		2,60 2,72 2,86 1,38		3.03 3.30 3.38 1.88	.	3.54 3.18 3.38 5.69		2 · 25 2 · 40 2 · 38 3 · 80		3.41 3.34 3.53 3.39		5.66 5.29 5.84 8.45		57.41 36.64 (36.43 45.62	
BENTLEY SPRINGS 1 WNW E BETHESDA NAT INST HITHE BITTINGER 2 N W BLACKWATER REFUGE BOYDS 2 NW	2.46 2.79 4.63 3.47 2.42		2:84 2:59 4:73 4:12 2:41		1.78 3.17 3.12 3.82 1.83		4.56 1.89 5.11 1.83 3.56		6:35 1:55 2:78 :98 2:94		3.00 4.16 3.78 4.22 2.54		2.47 2.89 3.48 1.30		1.27 1.81 1.78 4.75		5.05 4.27 2.90 5.13 3.47		3.95 2.18 5.67 5.13 2.33		3.10 2.87 2.02 4.09 1.80		5.85 3.31 5.44 5.58 5.58		E42.66 834.98 45.44 E45.42 E31.28	
BRIGHTON DAM BROOKDALE BURNT MILLS RESERVOIR CAMBRIDGE 4 W	2.99 2.80 2.26 3.36		2.91 3.25 3.10 4.10		3.31 3.59 3.62		3.91 3.43 3.83 1.97		3.15 2.57 2.53		2.40 2.32 3.41 3.23	ļ	1.08 .89 1.03 2.14		2.87 2.72 3.84 2.88		5.32 4.95 5.44		2 • 23 2 • 64 2 • 35 4 • 61		2.21 3.13 3.14 5.56		6.61 6.96 6.30		37.55 99.01 40.46 43.86	
CENTREVILLE CHARLOTE HALL 2 ESE CHESTERTOWN CHEWSVILLE BRIDGEPORT CLEAR SPRING	2.43 3.34 2.53 2.48 4.25	402 E	3.86 3.53 3.37 2.63 3.69	•74	2.77 3.48 2.90 1.45 1.79	-1.80 E	1.56 2.19 1.81 3.34 2.34	•30	.47 .54 2.19 1.44 1.71	-2:61	3.22 2.67 2.92 4.07 3.92	. 46	1.09 1.93 1.43 1.41 1.92	-2.01	2.94 5.73 4.46 1.30		4.03 3.74 3.97 2.62 2.38	43	4.13 3.34 2.37 2.63	- •70	4.24 4.09 2.62 2.77	11	6.30 6.45 3.74 6.24	1.05	E41.82 39.66 29.47 E34.42	- 8.00
CRISFIELD	2 • 47 2 • 68 2 • 38 2 • 29 4 • 22	-1.29 72	4.45 2.53 3.47 3.08 4.20	1.66 10	3.46 2.79 2.39 2.40 4.25	- +42 - •95	3.07 2.99 3.97 3.77 2.72	36 37	1.73 · 3.27 3.27	-2.21 -2.72 -2.73	2.72 4.82 3.61 3.72 2.29	95 .87 -1.18	1.90 1.07 1.14 1.57	-2.88 -1.98 -3.42	2.68 2.90 1.61 1.49 5.97	-2.26 -2.42	8.54 3.18 6.49 6.83 4.48	5.17 78 .57	3.05 2.56 3.53 2.22 5.77	- •68 2•74	4.22 3.09 3.72 3.86 3.62	- +12 - +40	5.57 7.34 8.20 5.94	4.02 2.57 3.21	844.98 36.76 42.85 42.27 46.91	1.41 - 7.40 2.09
CUMBERLAND CUMBERLAND POLICE BRKS DALECARLIA RESERVOIR D DENTON DISTRICT HEIGHTS	2.55 2.85 2.91 2.31 2.77		3.23 3.39 3.12 4.32	E	2.28 2.67 2.88 3.55		4.16 3.95 3.28 1.97		2:27 2:43 2:54 1:79		4.55 4.53 2.51 4.58		2.59 2.59 1.77 .66		.77 .73 2.47 1.86		3:03 3:37 6:08 3:64		5.13 5.50 3.67 3.43		1.79 1.96 2.66 5.14	ļ	3:86 5:39 6:51 6:00		34.06 39.45 39.75 39.25	
	2.53 2.27 2.30 2.54 1.98	-1.37 -1.63	2.23 4.20 3.76 2.92 3.43	•87 •56	3.43 3.51 3.39 1.70 2.83	54 -1.38	3.03 1.46 2.00 4.52 3.56	-1.59 .00	1.79	-2.36	3.90 2.94 3.02 3.48 3.63	46 20	1.98 .85 .91 1.80	-3.42 -3.17	2.28 3.37 3.28 2.76 3.06	-1.69 -2.07	3.29	1.18	1.80 3.45 2.96 3.19 3.81	- •0B	3.67 3.58 3.93 3.27 3.31	.69	5.78 7.07 5.01 6.07	3.96 2.96	38,44 36:17 39:82 36:23 41:52	- 4.49 - 3.55
FORT GEORGE G MEADE FREDERICK POLICE BRKS FREDERICK WB_AIRPORT	1.86 2.35 2.46 2.30 2.41	- •58	3.14 3.20 3.07 2.95 3.61	•37	2.22 3.25 1.71 1.46 1.96	-1.85	3.83 2.51 3.55 4.31 4.26	•81	2.57 .73 2.27 2.45 3.00	-1.15	3.34 4.10 2.89 2.61 2.66	-1.35	1.53 .97 2.64 1.26 1.40	-2,39	1.63 1.88 1.43 1.99 1.92	-2.04	3.22 3.55 4.81 5.27 5.30	1.71	3,08 3,14 2,57 2,37 1,76	- •92	3.47 2.56 2.53 2.89	- •42	5.23 5.51 4.66 4.91 6.56	1:99	94.98 94.66 94.82 94.41 97.73	- 5.82
FROSTBURG GLENN DALE BELL STA GREENBELT HAGERSTOWN HANCOCK FRU1T LAB	2.76 3.30 2.80 2.54 2.37	47	3.57 2.61 2.88 2.68 2.68	1:31 - :13 -73		-1.25 76 -2.03	4.83 2.78 2.48 4.16 3.93	1.33	1.34 1.77 1.44	-1.56 -3.13 -2.14	4.71 6.01 3.95 2.98 4.80	1.96	2.10	-2.28	1.24 3.16 2.83 1.29 3.06	-2.91 -1.94 -2.34	3.11 · 4.79 3.59	14	5.78 2.72 2.69 2.45 3.54	2,59 - ,68 - 13	1.72 3.22 3.46 2.02 2.20	-1.00 09 53	5.54 5.72 3.55 3.18	2.64	42.36 98.66 98.59 29.21 50.86	- 6.62
	2.30 3.04 2.60 2.85 2.42	- •29	2.80 3.65 2.74 3.42 3.05	•82	1.54 2.77 3.68 3.48 2.93	-1.66 E	4.21 1.71 3.27 2.00 3.74	1.09 E	1.97 - .67 1.45 .82 2.82	-1.93	2.25 4.88 4.42 3.50	- 456	1.50 .93 1.58 2.62 1.58	-2•2B	1.10 3.96 1.67 5.97 1.85	-3.03	5.51 2.39 4.11 3.93 5.65	2.05	2,20 3,90 2,75 4,76 2,24	-1.06	2.88 4.59 3.42 4.17 3.45	02	4.17 6.11 6.46 5.37 7.33	1.26	39.17 35.97 E38.91 43.81 E40.86	- 5.61
	2 • 77 3 • 36 3 • 13 2 • 26 2 • 95	-1.61	3.41 3.51 3.09 3.01 2.82	•16	1.77 2.17 3.24 3.49 1.77	40	2.49 4.33 3.73 1.95 2.77	-1.41	2.13	-1.17	3.66 4.33 3.50 2.55 3.28	81	. 58	-2.70	1.02 .82 2.09 3.01 2.41	-1,93	4.05	1.51	5,51 5,92 2,24 2,85 2,63	09	1.09 1.16 4.21 3.89 2.64	•52 E	3:24 4:82 6:19 6:07 6:08	3.02	31.24 40.30 E42.63 38.03 E34.12	- 4.91
OWINGS FERRY LANDING PARKTON 2 SW	5.60 6.15 2.36 2.33 2.26	1.82	2:96 5:12 2:81 3:46 2:93	1.90	3.32 2.60 2.95 3.04 1.60	-2.13 43	4.79 3.47 1.42 1.85 4.53	69 -1.72	•33 •31 - 5•04	-2.28 -3.98	3.78 4.14 2.74 2.53 2.63	71	1.01 2.09	-1.86 -3.01	7.02 1.06	1.57	3.76 4.96	-1.04	5,16 2,40 3,40 3,52	2.0B .31	1.67 2.42 4.58 4.06 3.00	- 183	6.13 5.58 6.13 6.00	2.51 3.13	44.32 44.36 95.47 38.90 39.82	- 4:05 - 4:98
PIKESVILLE POL BRKS POCOMORE CITY 4 SW PRESTON 1 S PRINCE FREDERICK	3.30 2.74 2.95 2.15 2.16	•41	3.76 2.47 4.57 3.92 4.04	1475	2.41 5.30 3.43 3.02	-1.86	3.75 3.63 2.31 1.39 1.97	•80	2.06 2.40 2.40	- 186	4.86 3.41 4.14 3.15 3.05	1.15	2.45 2.71 1.11 3.50	- +27	1.71 5.46 2.39 6.68	-3.10	6.68 4.98 4.29 4.30	- ,58	4,94 2,41 3,74 4,23 4,48	1.85	3.42 3.84 4.64 3.95	- •43	4.02 6.85 3.17 4.81 6.73	1.49	E37.51 40.24 47.25 37.91 44.21	.33
PRINCESS ANNE 1 E RANDALLSTOWN POL BRKS ROCK HALL 3 N ROCKVILLE ROYAL OAK	2.55		4.71 2.94 2.92 2.28 4.76	•18	3.83 2.68 3.77 3.28 4.17	•00	2.87 1.57	-1.41	2.69 .39	-3.08	3.58 2.80 4.58 3.46	65	1.30	-3.22	4.07 1.51 3.23 2.33 3.36	-1.63	3 · 62 5 • 88	1.20	3.78 2.86 2.50 2.17 5.89	51	3.85 2.34 3.99 2.19 3.61	. 83	5.07 6.71 6.14 4.33 6.88	3.11	40.98 37.19 E34.19 43.91	- 6.37
SALISBURY CAA A1RPORT SANDY POINT SAVAGE RIVER DAM	2.95 3.14 3.21 2.62 3.76	- 195	4.25 4.28 3.98 3.13 4.16	1.19	4.23 4.44 3.92 3.83 2.09	• 44	3.17 3.47 2.43 1.92 3.07	16	2 • 25 • 64 • 68 2 • 31	-3.04	3.28 3.62 3.62 3.40 4.02	- •29	2.76 1.09 1.93 2.69	-2.84	3.56 3.94 2.43 1.50	-3.32	5.37 4.14 6.14 2.77 2.69	• 75	2,04 3,44 2,29 5,06	105	3.89 2.81 3.97 3.77 1.48	. 00	7.35 5.60 5.94 4.07	3.04	41.47 E43.52 41.98 E84.77 36.90	- 4.47
SHALLMAR SINES DEEP CREEK SNOW HILL SOLOMONS STEVENSVILLE 1 W	4.08 5.55 3.77 3.62 2.25	30	4.40 5.74 4.40 4.00 3.03	2.34 1.11 1.32	2.45 2.66 5.23 3.25 3.55	• 75	1.41	-1:36 - :62	1.84 1.48 .61	-2.27 -1.77 -2.41	6.36 4.30 5.79 4.02 3.00	78 2.28 .52	2.37	-1.70 -2.37 -3.14	1.59	-2.94 -1.73 .52	2.99	-2.14 -2.72	4:79 5:14 3:84 4:09 2:49	2+15 +42 1+13	1.51 1.80 4.30 4.45 4.19	-1.36 .72 1.32	4.16 6.35 5.45 5.35 4.98	2.69 2.14 2.46	45.82 49.78 E30.53	- 1.44 - 2.25 08
TAKOMA PARK MISS AVE TONDLOWAY TOWSON UNIONVILLE U S SOLDIERS HOME D C	2.66 2.17 2.24 2.85	-1.52	1.77 2.44 3.22 2.64 2.77	•47 •35	2.54 1.57 2.71	-2.22 -1.73	3.17 4.50 4.04 5.37 3.16	1.38	1.64 2.08	-1.90	2.98 2.73 3.08	76	. 83 . 66	- 89	3.17 1.54 .99 2.29	-3.11	5 • 28 4 • 33	1.08	2.76	~1.17	3.83 2.70 2.97	. 37	7.35 5.66 6.05	3497	34.41 35.30	- 5.13
UPPER MARLBORO 3 NNW EVERNA VIERS MILL WALDORF POLICE BRKS WASHINGTON WB CITY DC	2.98 4.35 2.91 3.71 2.70	- 471	2.57 3.39 2.82 2.99 2.91	•27	3.63 3.40 3.06 3.26 2.33	-1.03	1.87 2.15 3.61 2.75 3.24	•04	1.04 .51 2.73 1.34 3.16	- •75	4.79 2.87 5.08 7.54 3.01	- •41		-3.11		-2.40	- 1	- 469	2.07 3.40 2.56 4.07 2.36	- •61	3.77 4.61 2.75 6.14 3.32	.50	5.56 5.48 6.05 7.87 6.11	3.36	1	- 5.54
WATERLOO POLICE BRKS WESTERN PORT WESTMINSTER WILLIAMSPORT WOODSTOCK	2.68 3.18 3.10 2.26 2.28	- 433	2.86 4.07 3.31 2.86 3.09	1.77 .64	2.80 2.52 2.10 1.66 2.23	-1.36 -2.06 -1.44	2.51 4.44 4.58 4.94 3.67	1.08 .87	2:00 2:38 1:13 3:28	-2.23 -1.59 94	3.25 2.98 2.54 3.08 2.96	-1.70	2 . 21	-1.19 -1.84 -2.27	1.72	-3.08 -3.36 -2.79	4.36 3.21	-1.33 1.01 4.95	2.77 5.77 3.85 2.74 3.28	2.94 430 - 407	3.86 1.59 3.21 2.12 2.31		6.90 3.91 6.03 3.27 6.18	1.32 2.70 3.21	39.39 30.12	- 4.31 - 5.54 - 1.56

TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

MARYLAND AND DELAWARE 1957

	JANI	JARY	FEBRU	ARY	MA	RCH .	AP	RIL	M	AY	Ju	NE	JL	ILY	AUG	UST	SEPTE	MBER	осто	DBER	NOVE	MBER	DECEA	ABER	ANN	IUAL
STATION	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
IVISIONAL AVERAGES																										
OUTHERN EASTERN SHORE ENTRAL EASTERN SHORE OWER SOUTHERN PPER SOUTHERN SRIHERN EASTERN SHORE	2.87 3.01 2.64	- 448 - 483 - 474 - 477 -1442	4.15 4.04 3.58 2.77 3.52	1:11 1:21 :89 :39	4.27 3.61 3.19 2.93 3.32	26 47 75	1.79 2.19 2.73	91 -1.65 -1.36 69 -1.47	1.23	-3.29 -2.52	3 • 43 3 • 78	- •19 •26	1.14 2.04 1.85	-2.94 -3.43 -2.83 -2.13 -3.20	3.17 5.64 2.66	- 497 -2.02 -28 -2.35 -1.93	4.40 5.05 3.81 3.96 4.85	1.00 17 .21	3.53 4.14 4.12 2.48 2.85	1.13 .90 58	4.40 4.51	1.06 1.33	5.84 5.98 6.27 5.70 5.96	2.99 3.27 2.78	40.85 42.92 36.53	- 3. - 1.
ORTHERN CENTRAL PPALACHIAN MOUNTAIN LLEGMENY PLATEAU	2.43 2.83 5.14	98 .00 1,21	2.89 3.18 4.54	1:11 1:63	1496	-1.43 -1.66 -1.68	3:66 4:13 4:17		2:61 2:04 2:56		4.15		2.22	-2.31 -1.35 -1.15	1.04	-2.88 -2.89 -2.90	3.03	2+29 - +06 - +17	2 • 74 4 • 04 5 • 44		2.17	14 52 -1.06	4 . 29	1.62	35.0B	- 3.
ELAWARE			ļ																					į		
R POGEVILLE 1 NW DVER EORGETOWN 5 SW EVES FOOLETOWN 2 S		-1.47 -2.11	4.05 2.78 3.55 3.53 3.85	20	3.63 3.02 3.40 4.02 2.91			-1.97	1.49 1.83 1.17 1.30 1.00		8 • 47 2 • 85 3 • 40 7 • 85 3 • 63	76		-3.98 -3.20		-3.98 -2.90			2.62 3.20 2.90 2.88 3.75		3 • 28 4 • 85 4 • 65 5 • 44 2 • 56	1,36	5.51 4.82 6.26 6.70 5.26			-11
LEFORD EWARK UNIVERSITY FA LABYVILLE LUNGTON MCASTLE NB AP LUNINGTON CITY MALL		-1.26 -1.97	4.01 2.13 4.29 3.76 3.20	• 76 • 46	3.65 2.23 4.60 2.64 2.30	97	2.04 3.90 2.60 3.73 3.85		2.04 1.67 1.77 2.36 1.57	-1.45	4.22 4.27 3.36 3.45	- ,57		-3.16 -3.02		-2.67 -3.62	5.46 6.67 3.94 6.55 5.04		2.63 2.99 2.67 2.51 2.68	48	4.85 3.81 5.21 3.11 2.98	22 62			41.17 39.98 41.14 39.09 E33.34	- 5,
ILMINGTON 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
VISIONAL AVERAGES			ļ																							
RTHERN	1.80	-1.76	3,31	. 50	2.49	-1.39	3 . 84	.27	1.66	-2.56	2.24	- 456	,	-2.59	2.14	-2.20	5 . 45	2.18	3.03	.02	3.20	22	3.31	2.25	38.47	,

Table 3								-																				1957
							Las	t spr	ing mii	nimu	ım of						First	fall mini	mun	n of		,					f days dates	
Station	l ta				16° c		20° o belov		24° c belo		28° o belo		32° d		32° or below		8° or elow	24° belo		20° bel		16° c		below	below	below	below	below
	Highe	Date	Lowest	Date	Date	Temp.	Date	Temp.	Date	Тещр.	Date	Temp.	Date	Temp.	Date	dine.	Temp T	Date	Тепр	Date	Temp.	Date	Temp.	16° or	20° or	24° or	28° or	32° or
MARYLAND																											<u> </u>	Π.
ABERDEEN PHILLIPS FIELD ANNAPOLIS U S N ACADEMY ANNAPOLIS 2 WNW BALTIMORE SLEDDS PT BALTIMORE WB AIRPORT	99 98 102 102	7-21+ 7-22 7-22 - 7-21	- 5 - 1 - 1 - 4	1-18 1-18 1-18 - 1-18	1-20 1-19 1-19 - 1-20	13 8 4 8	-		3-11 -	24 24 24 24	3-11 3- 5 4-14 3-11	27 28	4-13 4-16 -	32 31	10-27 3 11-11 3 - 10-13 3	1 12-	4 28	12- 5	23	-		-		-	321	288	245 274 - 245	
BALTIMORE WB CITY BALTIMORE HAMILTON BELTSVILLE BELTSVILLE PLANT STA 1 BELTSVILLE PLANT STA 2	103 101 102 101 100	7-21 7-21 7-22 7-22 7-22	7 - 4 -15 - 9 -12	1-18 1-15 1-18 1-18 1-18	1-19 1-24 1-21 1-21 1-21	16 10 16	1-24 2-20 3-4 2-22 3-31	20 19 20	2-12 3- 5 3-31 3-31 4-11	24 24 23	3- 5 3-11 4-16 4-16 4-16	28 26 26	4-15 5- 5 5- 4	31 32 30	11-11 3 10-28 3 10-12 3 10-13 2 10-13 3	2 11- 2 10- 9 11-	11 2 13 2 7 2	7 12- 5 3 11- 7 3 11-11	24 24 23	12-12 11-11 11-12	12 1 20 2 17	12-12 11-12 12- 6	12 15 12	322 295 319	295 252 263	221 225	245 180 205	160 162
BELTSVILLE PLANT STA 3 BELTSVILLE PLANT STA 4 BELTSVILLE PLANT STA 5 BELTSVILLE PLANT STA 6 BENSON POLICE BARRACKS	101 101 102 98	7-22+ 7-22+ 7-22+ 7-21	- 6 0 -12 - 3 - 7	1-18 1-18 1-18 1-18 1-18	1-20 1-24 1-21 1-20 1-24	16 13 12	2-18 2-20 3-31 2-20 3-5	20 20 20	3- 5 3- 5 4-14 3- 5 3- 5	24 23 24	4-16 3-11 5- 4 4-11 4-16	27 27 27	5- 7 4-15	32 32 30	- 10-27 3 9-28 3 10-13 3 10-12 3	2 10- 2 11-	13 21 11 21	7 11-11 5 11-13	19 24	11-11 11-12	19	11-12 12- 6	16 16	295 320	225 265	211 253	162 214	144 181
BENTLEY SPRINGS 1 WNW BETHESDA NAT INST HLTH BITTINGER 2 NW BLACKWATER REFUGE BOYDS 2 NW	99 100 90 98 100	7-21 7-21+ 7-21 7-22 7-21+	-14 4 -15 0 - 4	1-18 1-18+ 1-17 1-18 1-18	3- 4 1-20 3- 5 1-19 2-12	13 15 15 7	3-31 2-12 4-15 1-19 3- 4	20 20 17 7	4-15 3- 5 5- 4 3- 4 3- 5	23 24 23 24	5+ 4 3-31 5- 5 3- 5 4-15	26 26 28 28	5- 4 4-16 5- 6 4-15	26 31 32 30	9-27 3 10-12 2 9-27 2 10-13 3 10-28 3	0 10- 9 10- 9 - 2 11-	12 27 13 27	10-28 11-11 10-27 2 11-12	23 19 22 22	11-11 11-11 11-10 12-12	19 19 17	11-12 11-12 11-11 12-12	16 16 10 16	253 296 251 327	225 272 209 327	196 251 176 253	161 196 - 252	146 179 144 181
BRIGHTWOOD D C CAMBRIDGE 4 W CENTREVILLE CHARLOTTE HALL 2 ESE CHESTERTOWN	100 100 100 99 103	7-22+ 7-21+ 7-22 7-22 7-22	10 - 5 - 8 3	1-17+ 1-18 1-18 1-18 1-18	1-19 1-19 1-20 1-19 1-19	1 11 10	1-25 1-24 3- 4 2-20 1-24	20 20 19	2-21 3- 4 3- 5 3- 4 2-21	24 21 23	3- 5 3- 6 4-16 3-11 3- 5	28 26 27	4-16 5- 4 4-15	30 29 29	11-11 2 10-13 3 10-12 3 10-28 3	0 11-	7 28 27 28	12- 6 - 11-11	21	11-12 - 11-12	20	12-12	13 7	327 - 327	265	277 - 252	246	180 180
CHEWSYILLE BRIDGEPORT CLEAR SPRING COLEMAN 3 WNW COLLEGE PARK CONOWINGO DAM	100 101 100 102 100	7-21+ 7-21 7-21+ 7-22 7-21+	- 6 - 4 - 2 - 9 - 5	1-18 1-18 1-18 1-18 1-18	2-12 3- 4 - 1-20 1-20	15 6	3- 5 3- 5 2-18 1-24	20	3-31 3-23 3-31 3- 5	23	4-15 4-15 - 4-16 4-16	28 28	5- 5 5- 4 4-13 5- 4 4-16	30 32 31	9-27 3 9-29 3 11-10 3 10-12 3 10-12 3	2 11- 2 11-	12 27 7 26	12- 6 11-11	21 21	12-12 11-12	14	12-12 12- 6	14 12	320	- 267	225	205	211 161
CONOWINGO POLICE BRKS CRISFIELD CUMBERLAND CUMBERLAND POLICE BRKS DALECARLIA RESVR D C	99 94 100 - 101	7-21 6-18 7-21 7-22	- 6 10 0 - 4 - 1	1-18 1-18 1-17 1-17 1-18	1-20 1-18 3- 4 3- 5 1-20	10 14 15	2-18 1-19 3- 5 3- 5 1-24	18 20 15	1-24 3-31	23	4-16 2-20 4-15 5- 4 3-31	28 25 28	4-13 5- 5 5- 5	32 32 30	10-28 2 11-12 3 9-28 3 9-27 2 10-28 3	0 12- 1 10- 8 9-	6 28 12 28 27 28	12-12 11-11 10-12	18 18 23	12-12 11-11 11-11	18 18 13	None 12- 6 11-11	15 13	277 251	327 251 251	322 225 184	289 180 146	213 146 145
DENTON DISTRICT HEIGHTS DUNDALK EASTON EASTON POLICE BRKS	103 - 102 102 97	7-21+ 7-21 7-22 6-18+	- 3 1	1-18 - 1-18 1-18 1-18	1-20 1-20 1-19 1-20	8	1-24 1-24 1-24 2-20	19 19	3- 5 2-20 2-21 3- 4	24	4-16 3- 5 3- 5 3-11	27	- 4-15 4-15	32 32	10-13 3 10-28 3 10-13 3 10-13 3	2 11- 2 11-	11 28 12 2:	11-12 11-12	24 23	12- 6 12-12	19	12-12 12-12	14 12	326 327	316 322	265 264	251 252	196 181
ELKTON EMMITSBURG 2 SE FORT GEORGE G MEADE FREDERICK POLICE BRKS FREDERICK WB AIRPORT	102 100 102 105 100	7-21 7-21+ 7-21 7-23 7-21+	- 6 -11 -16 - 8 -10	1-18 1-18 1-18 1-15 1-15	1-20 1-24 1-20 1-20 1-20	11 3 9	3- 4 3- 5 3-11 3- 4 3- 5	20 20 19	3-11 4-11 3-31 3- 5 4-15	24 24 23	4-16 4-15 4-16 4-11 4-15	27 25 27	5- 5 5- 7 4-16 5- 4	30 32 31 32	10-12 3 9-28 3 10-12 2 10-13 3 10-12 3	0 10- 9 10- 0 11- 1 11-	12 20 13 23 11 24 11 23	11-7 11-11 11-11 11-11	22 22 24 21	11-11 11-12 12- (11-12	18 2 15 3 15 2 19	11-12 11-12 12- 6 12- 5	12 15 15 9	292 296 320 319	251 246 277 252	210 225 251 210	180 180 214 210	146 158 180 161
FROSTBURG GLENN DALE BELL STA GREENBELT HAGERSTOWN HANCOCK FRUIT LAB	95 101 101 100 99	7-21 7-21+ 7-22 7-21 7-22	- 8 -10 -11 0 - 5	1-17 1-18 1-18 1-17 1-18	3- 4 1-20 1-20 2-12 3- 5	5 5 16	3- 5 3-31 3- 5 3- 5 3-31	20 20 19	4-15 4-15 3- 5 3- 5 4-15	24 20 19	4-15 5- 4 4-16 4-15 5- 4	27 26 26	5- 4	31 31	9-27 3 10-12 2 10-12 3 9-27 3 9-27 2	1 11-	7 2 13 2	7 11-11 3 11-10	23	11-12	2 15 2 19	11-12	15 10	296 303	252 252	251 250	205 181	161 146
KEEDYSVILLE LA PLATA 1 W LAUREL 3 W LEONARDTOWN 4 SSW MIDDLE RIVER 1 N	105 100 104 100 101	7-21 7-21+ 8- 3 7-22 7-22	- 8 - 1 - 8 - 8	1-18 1-18 - 1-18	3- 4 1-20 1-19	16 14 2	3-31 3-4 2-12 2-18 3-5	18 20 20	4-15 3-31 4-11 3- 4 3-11	24 24 23	4-15 4-15 4-16 3-31 4-16	27 27 26	5- 5 5- 5 4-16 4-16 5- 5	32 27 31	9-27 3 10-12 3 10-28 3 10-29 3 9-27 3	0 10- 1 11- 0 11-	13 27 11 27 11 28	11- 7 12- 5 11-12	24 22 21	11-11 12-12 12-12	17 10 16	11-12 12-12 12-12	15 10 16	327	252 303 297	221 238 253	181 209	160 195 196
MILLINGTON NATIONAL ARBORETUM D C NEW GEMANY OAKLAND 1 SE OCEAN CITY	103 102 93 92 100			1-18 1-18 1-17 1-17 1-18	1-20 1-20 4-15 4-15 1-19	12 15 15	2-21 1-24 4-15 4-15 1-19	19 15 15 11	3-11 3- 4 4-15 5- 5 2-20	23 15 24 24	4-16 3-31 5- 4 5- 7 2-21	28 25 28 27	4-14 5- 5 5-29 3-11	31 32 32 31	9-28 3 10-28 3 - 9-25 3 10-27 3	2 11- 1 9- 2 11-	11 25 28 23 10 28	11-12 - 9-28 12- 1	21 23 24	12- 6 - 10-12 12-12	17 19 16	12-12 - 11-11 12-12	8 16	326 210 327	316 180 327	253 - 146 284	225 - 144 262	197 119 230
OWINGS FERRY LANDING PARKTON 2 SW PICARDY PIKESVILLE POLICE BRKS POCOMOKE CITY 4 SW	102 97 100 99 95	7-21 7-21+ 7-21 7-22 7-21+	4 0 - 4		1-19 3- 4 2-21 1-24 1-20	15 16 16 9	2-20 3- 5 2-22 2-20 1-24	17 19 20 20		24 24 23 23	3-11 4-15 5- 4 3- 5 4-16	24 27 23 28	5- 4 5- 5 4-15 4-16	30 31 29 28	10-13 3 9-27 3 9-27 3 10-28 2 10-13 2	1 10- 0 9- 9 11- 9 11-	27 28 28 28 11 25 7 28	11-11 11- 7 12- 1 11-11	21 24 24 24 24	12- 5 11-11 12-12 11-12	17 20 11 18	12- 6 12- 6 12-12 12-12	15 15 11 15	277 288 322 326	275 262 295 292	210 206 271 252	195 147 251 205	146 145 196 180
PRESTON 1 S PRINCE FREDERICK PRINCESS ANNE 1 E RANDALLSTOWN POL BRKS ROCK HALL 3 N	102 100 97 102 100	7-22 7-14+ 7-21 7-21+	-10 - 1 - 5	1-18 1-17+ 1-18	1-20 1-19 1-20 1-24 1-20	5 14 16	2-20 2-22 2-22 3-4 1-24	20 20 19 18	3-4 3-11 4-11 3-5 3-5	24 21 22 21	3-31 4-11 4-14 3- 5 4-11	27 28 22 27	4-16 5- 5 4-15 4-16	32 29 30 32	10-12 3 10-13 3 10-12 2 10-26 3 10-12 3	0 11- 9 10- 2 11- 2 11-	7 27 13 26 11 24 12 22	11-11 11-11 11-11 11-12	24 21 24 22	12- 6 11-12 12- 5 12- 6	20 14 20 15	12-12 11-12 12-12 12- 6	10 14 9 15	327 296 322 320	287 263 276 316	245 214 251 252	210 182 251 215	180 160 194 179
ROCKVILLE ROYAL OAK SALISBURY SALISBURY POLICE BRKS SALISBURG CAA AIRPORT	100 100 97 100 98	7~21 6 -1 5+	- 5 -13 - 8	1-18 1-18+ 1-18 1-18	1-20 1-20 1-20	12 11 9 10	2-22	12 20 19	3- 4 2-22 2-22 3- 4 3- 4	24 24 22 21	3- 5 3- 5 3- 5 4-16 3- 5	28 28 26	4-16 4-16 4-16	30 28 29	10-12 3: 11-11 3 10-13 3: 10-13 2: 10-13 3:	1 11- 9 - 0 11-	11 25	11-12 11-12 11-11	19 18 22	11-12 11-12 11-12	18 18	12-12 12-12 12-12	15 12 15	326 326 326	263 292	263 253 252	251	180 180 180
SANDY POINT SAYAGE RIVER DAM SINES DEEP CREEK SNOW HILL SOLOMONS	96 93 92 97 98	7-22 7-21+ 7-21 7-21 7-22		1-18 1-18	1-19 3- 5 3- 5 1-20 1-19	13 8 9 15	- 3- 6 4-16 1-24 1-19	17 20	4-15 4-16 3- 4 2-20	17 23 24	3- 5 5- 4 5- 6 4-16 3- 4	28 27 28 28	5- 5 5- 7 4-16 4-13	32 30 28 32	11-10 3 9-27 3 9-25 3 10-13 3 11-11 3	1 9- 0 9- 1 11- 2 12-	28 28 28 23 7 28 5 28	11-10 9-28 11-12 12-12	24 23 19 15	11-11 11-10 11-12 12-12	16 17 19 15	11-11 11-11 12-12 12-12	16 1 11 1 14 1 15 1	251 251 326 327	250 208 292 327	209 165 253 295	145	145 141 180 212
STEVENSVILLE 1 W TAKOMA PARK MISS AVE TONOLOWAY TOWSON UNIONVILLE	100 100 101 101	7-22 7-22 - 7-21+ 7-22	- 1 2 - 1 -16	1-18 1-18 - 1-17 1-18	1-19 1-20 3- 5 1-24 3- 4	14 16 15 15	3-31 3- 4 4-15	20 20 20	2-20 3- 4 4-16 3- 5 4-15	24 23 22 20	- 4-15 5- 4	28 27 26	4-15 5- 4 5- 7	31 32 31	11-12 2 10-28 3 9-28 3 9-27 3	1 11- 2 10- 1 10-	11 26 28 25 12 27	11-12 - 11-11 11- 7	23 22	12- 6 - 11-12 11-11	17 18 17	12-12 12- 6 11-12	11 14 15	326 - 316 253	316 - 253 210	253 251 206	225 196 161	196 - 147 143
U S SOLDIERS HOME D C UPPER MARLBORO 3 NNW VIENS VIERS MILL WALDORF POLICE BRKS	101 100 99 100 103		- 4 - 7 - 6	1-18 1-18 1-18	1-19	5 4 11 3	1-25 3- 4 2-20 1-24 3- 4	19 18 18 19	3- 4 3-31 3- 4 3- 5 3- 5	24 24 23 22	3- 5 4-14 3- 6 4-14 4-14	27 28 28	4-16 5- 4 4-16	30 31 30	10-28 3: 10-12 3: 10-13 3: 10-12 3: 10-12 3:	10-1	1 27 3 28 3 27	11-12 11-11 11- 7	23 21 24	12-12 11-12 11-12	15 17 16	12-12 12- 6 11-12	15 3 14 3 16 2	20 2	295 292 253	253 251 247	182 182	161 179
WASHINGTON WB CITY D C WATERLOO POLICE BRKS WESTERN PORT	101 100 101	7-22 7-21 7-21	9 -14 0	1-18 1-18 1-17	1-24	15	1-24 2-22 3- 5	19	2-20 3- 4 3-31	21	3- 4 4-16 4-15	27	4-16	27 1	11-11 3: 10-13 3: 9-28 3:	2 111-	7 27	111-12	17	11-12	17	12- 6	10 3	16 3	263∃:	253 🗀	2051:	180

Table 3-Continued

							La	st sp:	ring m i	nimı	ım of						Fi	rst fa	all mini	mun	ı of					Num betw			
Station	#				16° o		20° delo		24° d		28° d		32° belo		32° d		28° o belo		24° d		20° d		16° o		wolec	below	below	helow	
	Highest	Date	Lowest	Date	Date	Temp.	Date	Тепр.	Date	Тетр.	Date	Temp.	Date	Temp.	Date	Тетр.	Date	Temp.	Date	Тетр.	Date	Тетр.	Date	Temp.	16° or }	20° or	24° or	28° or]	32, 02
VESTMINSTER WOODSTOCK	97 101	7-21+ 7-21			2-12 1-24												10-28 11- 7												
DELAWARE			ĺ														}												
BRIDGEVILLE 1 NW NOVER LEORGETOWN 5 SW	100 101 101	7-21+ 7-21+	- 1	1-18 1-18	2-20 1-20 2-21	16 16	1-24 2-21	18 16	2-24 3- 5	24 24	3-11 4-16	28 26	4~15 5~ 4	32 30	10-13 10-28 10-13	32 29	11-12 11- 7	23 27	11-12 11-12	23 18	12- 6 11-12	19 18	12-12 12-12	14 15	326 294	316 264	261 252	246 205	19
LEWES MIDDLETOWN 2 S	100 104	7-22 7-22	- 8 - 8		1-20 1-20		2-20 2-12				3-11 3-11				10-13 10-27														
MILFORD NEWARK UNIVERSITY FARM SELBYVILLE	101 100 100	6-18+	- 8	1-18 1-18 1-18	1-19 1-24 1-20	16		19	3-11	24		27	5-4	32	10-13 10-21 10-13	32	11-11	25	11-13	22	11-12	20	12- 6	11	316	273	247	209	17
ILMINGTON N CASTLE WBAP ILMINGTON PORTER RESVR	100 102 100	7-21	- 4 - 4	1-18 1-15	1-20 1-20 1-24	12	2-12	19	3- 4	22	3-11 4-11 3-11	28	4-16	32	10-13 10-27 10-28	32	11-26	28	11-12	23	12- 5	20	12- 6	16	320	296	253	229	19

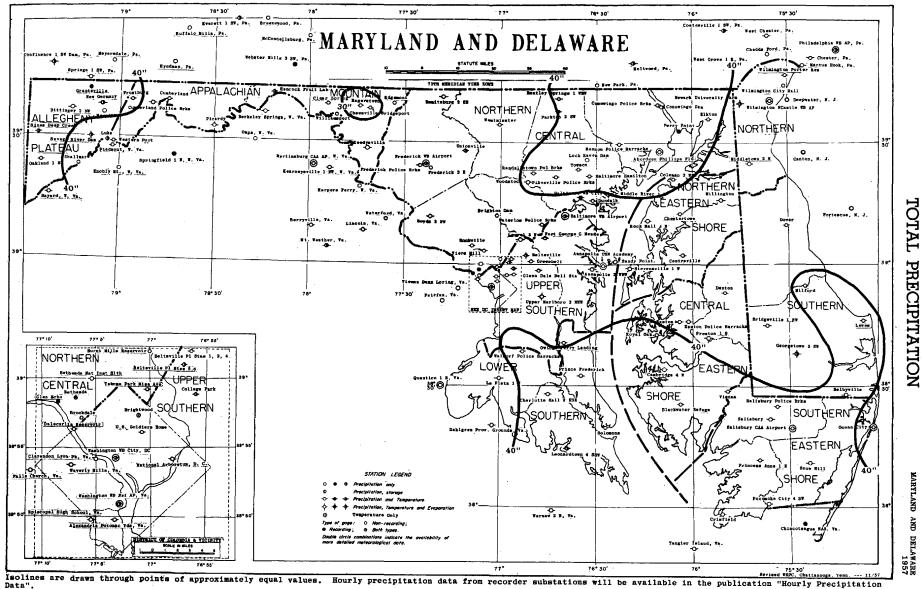
TOTAL EVAPORATION AND WIND MOVEMENT

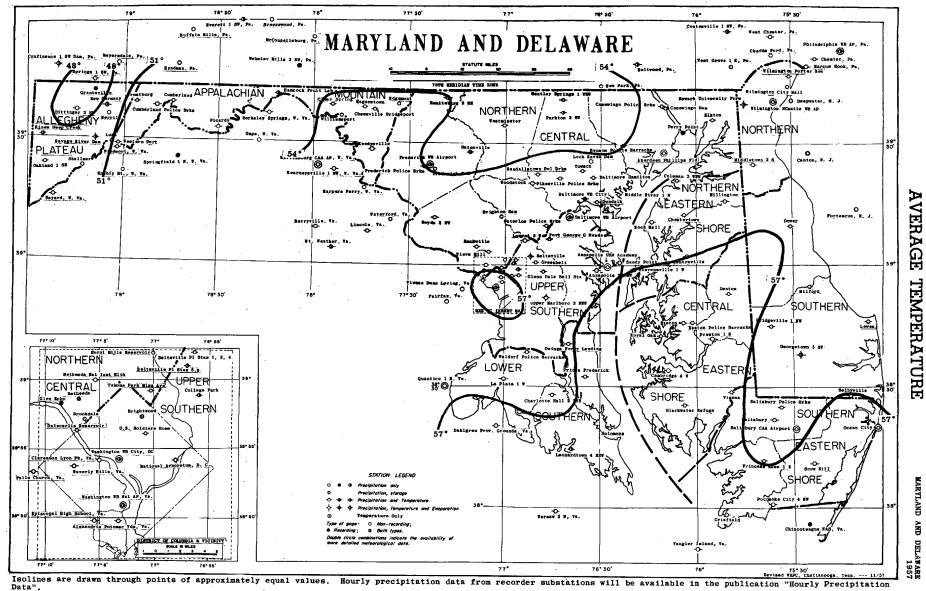
'n	bl	e	4

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	-	-	i -	-	.42	.68	2.49	1.30	20	30	12	-	-
	WIND	-	-	-	-	1147	1083	1383	1315	618	1157	B1308	_	-
	MAX	-	-	-	-	-	-	-	-		-	-	_	-
	MIN	-	-	-	-	_	-	-	-	-	-	-	-	-
AVAGE RIVER DAM, MD.	EVAP	_	_	-	-	6.79	5.34	6.91	6.26	3.71	B2.64	-	_	-
•	DEP	_	-	-	_	-	~	-	l -	i -	-	- 1	-	l -
	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	-	-	-
PPER 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	-	_	1 -
	MAX	_	-	- 1	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	-	-	-
EORGETOWN 5 SW, DEL.	EVAP	_	_	_	_	_	_	_	_	B3,88	B2.90	_	_	i _
	DEP	_	-	l -	-	_	_	_	-		-	_	-	_
	WIND	-	-	-	-	-	-	, -	-	854	1335	-	-	-
EWARK UNIVERSITY FARM, DEL.	EVAP	_	_	_		B6.02	B6.38	8,51	6.44	B4,67	2,26	_	_	_
, 222.	DEP	_	- 1	l <u>-</u>	_							_	_	-
	WIND	_	_	l –	-	583	902	-		l _	l -	_	-	l -
	MAX	_	_]	1	-	95.0	91.7	88.2	84.6	66.9	_	_	_
	MIN		l –	_		_	67,6	67.8	66.5	63.9	47.0	_	_	

ŧ	CHANGES	IN	STATION	NAMES

NEW NAME	OLD NAME	DATE	
MARYLAND			
BALTIMORE HAMILTON	BALTIMORE PARKSVILLE	March	1957
DELAWARE		_	
NEWARK UNIVERSITY FARM	NEWARK COLLEGE FARM	April	1957
	RELOCATION AND CHANGES IN EQUIPMENT		
MARYLAND			
BALTIMORE HAMILTON DUNDALK MILLINGTON PIKESVILLE POLICE BRKS SNOW HILL	All equipment moved 2.3 miles SW All equipment moved 0.7 mile NNE All equipment moved 0.2 mile WNW All equipment moved 40 feet E All equipment moved 40 mile NNE	March March January February May	30, 1957 13, 1957 1, 1957 14, 1957 1, 1957
WALDORF POLICE BRKS	All equipment moved 200 feet S	April	1, 1957
DELAWARE	•	-	
DOVER	All equipment moved 130 feet S	Apr11	12 1957





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Station	Š	County	±ge†	ę	apn	ion		core	Г	dun	lose ing y	yr.]	Refer to		Station	Ŋ.	County	,de÷	e J	pp.	ion		cord	du	clos ring	yr.	Refer
· · · · · · · · · · · · · · · · · · ·	Index		Drainage	Latitude	Longitude	Elevation	Temp.	Precip.	Evap.	Month	Month	closed	ables		.	Index	J,	Drainage	Latitude	Longitude	Elevation	Temp.	Precip.	Evap. Month	Month	closed	tables
MARYLAND												. [Γ							.						
ABERDEEN PHILLIPS FIELD ANNAPOLIA USN ACADEMY ANNAPOLIS 2 WNW BALTIMORE SLEDDS POINT BALTIMORE WB AIRPORT	0185 0193 0460	HARFORD ANNE ARUNDEL ANNE ARUNDEL BALTO CITY ANNE ARUNDEL	1 1 3	39 28 38 59 38 59 39 12 39 11		62 40 65 135 146	39 92 7 8 23	8			MAI	R 1	2 3 2 3 2 3 2 3 2 3 C		MIDDLE RIVER 1 M MIDDLE RIVER 1 M MILLINGTON NEW GERMANY OAKLAND 1 SE	5917 5985 6408	BALTIMORE BALTIMORE KENT GARRETT GARRETT	1 1 5	39 18 39 21 39 16 39 38 39 24	76 25 76 27 75 51 79 07 79 24	30	9	7 1 60 9	FE		1	23 23 23 23 23
BALTIMORE WB CITY BALTIMORE HAMILTON BELTSVILLE BELTSVILLE PLT STA 1 BELTSVILLE PLT STA 2	0475 0700 0701	BALTO CITY BALTO CITY PRINCE GEORGE PRINCE GEORGE PRINCE GEORGE	3 1 5 5 5	39 17 39 21 39 02 39 02 39 02	76 37 76 33 76 53 76 56 76 56	14 330 120 160 136	20	87 10 20 9	17			1 1 1	2 3 C 2 3 2 3 4 C 2 3 2 3		OCEAN CITY OWINGS FERRY LANDING PARKTON 2 SW PERRY POINT PICARDY	6770 6844 6980	WORCESTER CALVERT BALTIMORE CECIL ALLEGANY	1 1	38 20 38 42 39 38 39 33 39 33	75 05 76 41 76 42 76 04 78 30	500	5	9 41 5			1	2 3
BELTSVILLE PLT STA 3 BELTSVILLE PLT STA 4 BELTSVILLE PLT STA 5 BELTSVILLE PLT STA 6 BENSON POLICE BARRACKS	0705	PRINCE GEORGE PRINCE GEORGE PRINCE GEORGE	5 5 5 1	39 02 39 02 39 01 39 01 39 30	76 56 76 56 76 57 76 57 76 23	200 265 100 215 365	9 9 9 10	9 9 9			JUI	1	2 3 2 3 2 3 C 2 3 2 3		PIKESVILLE POLICE BARRACKS POCOMOKE CITY 4 SW PRESTON 1 5 PRINCE FREDERICK PRINCESS ANNE 1 E	7140 7310 7325	BALTIMORE WORCESTER CAROLINE CALVERT SOMERSET	1 1	39 23 38 01 38 42 38 32 38 12	76 43 75 37 75 55 76 35 75 40	50 140	10 9 9 5	10 9 9 5	i -		1 1 1	2 3
BENTLEY SPRINGS 1 WNW BETHESDA BETHESDA NAT INST HEALTH BITTINGER 2 NM BLACKWATER REFUGE	0795 0800 0881	BALTIMORE MONTGOMERY MONTGOMERY GARRETT DORCHESTER	1 5 7 1	39 41 38 58 39 00 39 37 38 26	76 42 77 07 77 06 79 15 76 08	730 320 310 2700 5	9 7 5 17	7 5				1	2 3 2 3 2 3 2 3		RANDALLSTOWN POLICE BRKS ROCK HALL 3 N ROCKVILLE ROYAL OAK SALISBURY	7700 7705 7806	BALTIMORE KENT MONTGOMERY TALBOT WICOMICO	1 5 1	39 23 39 11 39 05 38 43 38 22	76 50 76 14 77 0 9 76 11 75 36	20 436 10	10	10 44 10 10 51			1111	1 2 3 1 2 3 1 2 3 1 2 3
BOYDS 2 NW BRIGHTON DAM BROOKDALE BURNT MILLS RESERVOIR CAMBRIDGE 4 W	1170 1278	MONTGOMERY MONTGOMERY MONTGOMERY MONTGOMERY DORCHESTER	5	39 12 39 12 38 57 39 02 38 34	77 20 77 01 77 06 77 00 76 09	580 350 260 220 5		12					2 3 2 2 2 2 2 3	١	SALISBURY POLICE BRKS #SALISBURY CAA AIRPORT SANDY POINT SAVAGE RIVER DAM SHALLMAR	8005 8030 8065	WICOMICO WICOMICO ANNE ARUNDEL GARRETT GARRETT	1 5	36 25 36 20 39 01 39 31 39 23	75 34 75 30 76 24 79 08 79 12	10 1495		-6	7		1	1 2 3 1 2 3 1 2 3 1 2 3
CENTREVILLE CHARLOTTE HALL 2 ESE CHESTERTOWN CHEMSVILLE BRIDGEPORT CLEAR SPRING	1685 1750 1790	QUEEN ANNES ST MARYS KENT WASHINGTON WASHINGTON	1 5	39 03 38 28 39 13 39 38 39 40	76 04 76 45 76 04 77 41 77 54	30 167 35 560 560	52 60	52 60			IN	1	2 3 2 3 2 3 2 3 2 3	-	SINES DEEP CREEK SNOW HILL SOLOMONS STEVENSVILLE 1 W TAKOMA PARK MISS AVE	8380 8405 8557	GARRETT WORCESTER CALVERT QUEEN ANNES MONTGOMERY	1 1	39 31 38 11 38 19 38 59 38 59	76 27	14 12 10	42 66 6	33 42 66 6			111111111111111111111111111111111111111	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
COLEMAN 3 WNW COLLEGE PARK CONOWINGO DAM CONOWINGO POLICE BARRACKS CRISFIELD .	1995 2060 2065	KENT PRINCE GEORGE HARFORD HARFORD SOMERSET	6	39 21 36 59 39 39 39 39 37 59		78 70 40 195 5	60 71 22 10 38	22 10				1 1	2 3 C 2 3 C 2 3 2 3 2 3	-	TONOLOWAY TOWSON UNIONVILLE UPPER MARLBORO 3 NNW VIENNA	8877 9030 9070	WASHINGTON BALTIMORE FREDERICK PRINCE GEORGE DORCHESTER	3 5 4	39 40 39 24 39 27 38 52 38 29	78 15 76 36 77 11 76 47 75 50	98	18	2	2	м	1111	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
CUMBERLAND CUMBERLAND POLICE BARRACKS DENTON DISTRICT HEIGHTS DUNDALK	2285 2523 2585	ALLEGANY ALLEGANY ICAROLINE PRINCE GEORGE BALTIMORE	1 4	39 39 39 38 38 53 38 51 39 16	78 45 78 50 75 50 76 54 76 31	945 970 20 272 50	87 10 6 10	6			FEI	B 1	2 3 2 3 2 3 2 3 2 3	-	VIERS MILL MALDORF POLICE BARRACKS WATERLOO POLICE BARRACKS WESTERN PORT WESTMINSTER	9314 9405	MONTGOMERY CHARLES HOWARD ALLEGANY CARROLL	3	39 03 38 39 39 10 39 29 39 35	77 05 76 53 76 47 79 02 77 00	210 230 1000	10	10			1	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
EASTON FASTON POLICE BARRACKS EDGEMONT ELKTON FMITSBURG 2 SE	2700 2770 2860	TALBOT TALBOT WASHINGTON CECIL FREDERICK	1 5 1	38 46 38 46 39 40 39 36 39 41	76 04 76 01 77 33 75 50 77 18	28 60 905 28 420	5 67 31 2	5 67 19 31 2				1	2 3 2 3 2 2 3 2 3 2 3		WILLIAMSPORT WOODSTOCK DISTRICT OF COLUMBIA	9750	WASHINGTON BALTIMORE	3	39 37 39 20		415		19 88	i		1	1 2 3
ORT GEORGE G MEADE REDERICK POLICE BARRACKS REDERICK MB AIRPORT REDERICK 3 E ROSTBURG	3348 3350 3355	ANNE ARUNDEL FREDERICK FREDERICK FREDERICK ALLEGANY	5	39 06 39 25 39 25 39 24 39 39	. 76 45 77 26 77 23 77 22 78 56	140 380 294 385 2035	14	16 10 14 9 56				1	2 3 2 3 2 3 C 2 3 C 2 3		BRIGHTWOOD DALECARLIA RESERVOIR NATIONAL ARBORETUM U S SOLDIERS HOME #WASHINGTON WB CITY	1135 2325 6350 9035 9290		5	38 57 38 56 38 54 38 56 38 56	77 01 77 07 76 58 77 01 77 03	146 70 230	12 11 12	11 12			1	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
SLEN ECHO SLENN DALE BELL STATION RANTSVILLE REENBELT GAGERSTOWN	3675 3795 3860	MONTGOMERY PRINCE GEORGE GARRETT PRINCE GEORGE WASHINGTON	7 5	38 58 38 58 39 42 39 01 39 39	77 09 76 48 79 09 76 52 77 44	150 151 2380 200 660	37 11 16	11				1	C 2 3 . C 2 3 2 3		DELAWARE BRIDGEVILLE 1 NM DOVER GEORGETOWN 5 SW LEWES MIDDLETOWN 2 S	2730 3570 5320	SUSSEX KENT SUSSEX SUSSEX	1 2	38 45 39 09 38 38 38 46 39 25	75 37 75 31 75 28 75 08 75 42	10	70 12 13	69 12 13	4		1	1 2 3 1 2 3 1 2 3 1 2 3
HANCOCK FRUIT LABORATORY (EEDYSVILLE LA PLATA 1 W LAUREL 3 W LEONARDTOWN 4 55W	4780 5080 5111	MASHINGTON WASHINGTON CHARLES PRINCE GEORGE ST MARYS	5	39 42 39 29 38 32 39 06 38 15	78 11 77 42 77 00 76 54 76 39	428 420 140 400 20	24 54 43 67 23	24 54 43 67 23				1 1 1	2 3.C 2 3 2 3 2 3 2 3 C	,	MIDGEROWN 2 5 MILFORD MILFORD MILFORD MILMINGTON N CASTLE WB AP MILMINGTON CITY HALL	5915 6410 8269 9595	NEW CASTLE SUSSEX NEW CASTLE SUSSEX NEW CASTLE NEW CASTLE	2 2 2 2	38 55 39 40 38 28 39 41 39 45	75 26	10 90 32 73	62 45 4	62 45 4 10	1		1	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
OCH RAVEN DAM UKE JERRILL	5530	BALTIMORE ALLEGANY GARRETT	1 5 5	39 26 39 28 39 36	76 33 79 04 79 05	190 1020 1790		8 20 6					2 2 2		WILMINGTON PORTER RESERVOIR			l	39 45 39 46		1	l	•			1	1 2 3

1 1-CHESAPEAKE; 2-COASTAL; 3-PATAPSCO; 4-PATUXENT; 5-POTOMAC; 6-SUSQUEHANNA; 7-YOUGHIOGHENY

REFERENCE NOTES

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

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in "F; precipitation and evaporation in inches, and wind movement in miles.

Evaporation is measured in the standard Weather Sureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 4. Max and Min in Table 4 refer to average maximum and average minimum temperature of water in pan.

Climatological divisions, outlined on the maps in this bulletin became effective with data for October 1956.

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.

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 in the June and December issues of Climatological Data.

- No record.
 Also later date (dates) or months.
 Amount included in following measurement.
 Thermometers are generally exposed in a shelter located a fow feet above sod covered ground; however the reference indicates that the thermometers are exposed in a shelter located on the station for recorder only stations may be found in the annual issue of "Bourly Precipitation Data".

 Amount is wholly or partially estimated.
 One or more days record missing; if severge value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.

 Trace, an amount too small to measure.

Information concerning the history of changes in location, elevations, exposures, 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 Documenta, Government Printing Office, Washington, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2,50 per year. (Yearly on subscription Includes the Annual Summary.) Checks, and money orders should be made payable to the Superintendent of Documents. Resultances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, General Confider, Parkington 25, 10 cents per confider to the Superintendent of Documents. Resultances and correspondence regarding subscriptions should be sent to the Superintendent of Documents. Resultances and correspondence regarding subscriptions should be sent to the Superintendent of Documents.

USCOMM-WB-Ashoville, N. C. --- 3/5/58 --- 975