U. S. DEPARTMENT OF COMMERCE CHARLES SAWYER, Secretary WEATHER BUREAU F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

VIRGINIA

ANNUAL SUMMARY 1950 Volume LX No. 13



VIRGINIA - 1950

S. S. Schworm, Section Director - Richmond

WEATHER SUMMARY

The year was remarkably close to normal in both temperature and precipitation; the annual temperature, 55.7° , was subnormal by 0.2° ; the annual precipitation, 42.17 inches, was only .07 inch above normal.

JANUARY was the warmest of record, the average temperature exceeding the previous warmest, January 1932, by a whole degree. It was also warmer than any December or February of record. The highest temperature, 82° at Ashland, equalled the highest temperature during any January. Precipitation averaged less than usual; however, rather heavy rains on the 30th caused some of the small streams in southwestern Virginia to overflow their banks and do considerable nuisance damage.

FEBRUARY was somewhat warmer and drier than normal, and snowfall was about half the usual amount. A minor flood occurred in the James River from below Scottsville to just above Richmond, but no damage occurred. A line squall at Hurdles Corner, Norfolk County, on the 23rd caused about \$1000 damage.

MARCH temperatures were considerably below normal, and precipitation was slightly subnormal. The lowest temperature since the previous winter, zero, occurred at Big Meadows on the 3rd. Snowfall was heavier than usual with amounts ranging as high as 15.5 inches (at White Top Mountain). A violent windstorm in Botetourt County on the 8th injured one person and caused damage amounting to \$2,000. Quantities of dust in the air were brought down in showers of mud at many places on the 29th. Plums, pears, and peaches which had developed too early in the warm January and February were severely damaged in many areas by March freezes.

APRIL, a little cooler than average, had only 47 percent of the normal precipitation. Freezes during the month did further damage to the early blooming fruits, but apples were favorably retarded. The cool, dry weather retarded growth of pastures and hindered spring planting.

'MAY temperature was approximately normal; precipitation was well above normal following a six months period of moisture deficiency. Storms were frequent and violent. At Danville Airport on the 10th high winds wrecked an airplane and damaged a hanger and radio installations. A Chesterfield County man was killed by lightning on the 16th. Severe hail storms in many sections on the 17th, 18th, 19th, 23rd, 24th, 26th, 27th, and 29th caused a combined damage, chiefly to crops, amounting to more than half a million dollars. Flash floods in small streams in Wise County on the 27th and Bedford County on the 30th caused several thousand dollars damage. Pastures improved and became excellent, but farm work in general was hampered by the rains.

JUNE was slightly on the cool side in temperature, and rainfall was nearly an inch below normal. The highest temperature for the year, 102° , occurred at Walkerton on the 6th. There were several severe wind and hail storms which caused a total damage of more than one hundred thousand dollars. Two persons were killed and one injured at Martinsville on the 21st when rain and high winds caused a condemned building to collapse. The Roanoke River exceeded flood stages above Clarksville on the 1st and 2nd, but no damage was reported. From an agricultural viewpoint the month was quite favorable.

JULY was considerably cooler and wetter than usual. Several severe local hail, electric, and wind storms during the month caused a total damage reported to be in excess of \$118,500. Wet weather hindered harvest of small grains and the cultivation of row crops, but all vegetation made rapid growth.

AUGUST was a little below normal in both temperature and precipitation. Storm damage was relatively light. Agricultural activities made good progress. The harvesting of hay, peaches, early apples, tomatoes, sweet corn, and all types of tobacco, except burley, were among the more important projects. Peanuts were reported promising and cotton disappointing. Corn prospects were excellent except in some northern counties where rainfall was deficient.

SEPTEMBER was the seventh consecutive month with subnormal temperature. Rainfall was 74 percent more than usual. Extremely heavy rains on the 9th and 10th caused flash floods in 14 counties. Greatest destruction was in Rockbridge County, where two persons were drowned, and in a portion of Botetourt. The total damage was estimated to be \$1,203,000. The James River exceeded flood stages at all points below Lynchburg; and the Roanoke rose beyond flood stage at Altavista and Randolph, but only minor damage occurred in these larger rivers.

OCTOBER was warmer than average with only 74 percent of normal rainfall. For agricultural purposes it was near ideal.

NOVEMBER averaged rather cold, but a remarkable range in temperature showed 90° at Buggs Island Dam on the 2nd to be an all time high for the month, while 3 below zero at Burkes Garden on the 25th equalled the lowest of record for any November. Precipitation was approximately normal, but only two other Novembers had more snow. Heavy snow in the Shenandoah Valley and southwestern counties on the 25th and 26th caused the death of one man by freezing, brought all traffic to a stand-still, and caused schools to be closed in 17 counties. Slight earth tremors were felt in the Arvonia section of Buckingham County on the 26th.

DECEMBER was much below normal in temperature, while precipitation was half an inch more than usual. Heavy rains on the 3-4th and again on the 7th brought all of the larger rivers in Virginia to a little above flood stage, but damage was not great. A snow storm on the 10-11th tied up traffic for several hours in northern and central counties, and a glaze storm throughout the State on the 28-29th caused further traffic difficulties.

S.B.T.

ACKNOWLEDGMENTS

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In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages-mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about \$250,000 per year between 1940 and 1944, and nearly \$375,000 since that date. For the year 1940-42, the Department of Agriculture transferred about \$100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about \$25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Pederal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

	Janu	ary	Febr	uary	Ma	rch	Ar	ril	Ma	y	Ju	ne	Ju	ly	Aug	ust	Septe	mber	Octo	ber	Nove	mber	Dece	mber	Anr	nual
Station .	Temp	Departure	Temp.	Departure	Temp.	Departure	Temp	Departure	Temp.	Departure	Тепр	. Dератиге	Temp.	Departure	Temp.	Departure	Тетр	Departure	Temp.	Departure	Тетр	Departure	Temp.	Departure	Тетр.	Departure
LEXANDRIA POTOMAC YDS NNANDALE SHLAND AILEYS CROSS ROADS ALCONY FALLS	49.8 49.51 46.41	- 1	39.2 35.2 39.1 39.4	1.8	44.3 39.5M 43.7M		55.1 50.1 54.0M	- 1.7	66.4 61.9M 64.9M	1 2	74.9 70.7M 72.5 71.0	2	77.1 73.8M 75.0M	- 1.7	76.5m 73.0m 74.0m 71.8	- 9 -	67.8 65.6M - 65.1 65.7	-	61.3 58.4M 59.9M 58.4 58.9M	2.0	49.3 46.7 46.0 46.3 43.6	- - 1.0	36.7 33.4 33.4 34.7		58.2 - - 55.4	-
EDFORD IG MEADOWS LACKSBURG LACKSTONE CAA AP OWLING GREEN	48.9M 41.9M 45.3 49.7	13,0 13,2 11.4	30.8	3.7 1.6 3.7	46.1 33.8M 41.2 44.8	- 1.4 - 4.0 - 1.7	54.1 44.7M 50.5M 55.6 55.9	- 1.8 - 1.3 6	65.7 57.5M 62.6 65.9 66.8	.2 .9 2.1			73.3 65.6M 70.0 76.0 75.8	- 2.9 7 - 1.3	72.6 65.0M 67.3M 75.0 74.5	- 2.1 5 - 2.9	66.7 58.2 M 63.0 M 68.5 68.3		61.1 52.8 57.9 62.0 62.9	1.8	44.8 39.1 39.9 47.2 49.2	- 2.7 1 - 2.9	35.1 26.1 35.9 37.1	- 4.2 - 3.7 -	56.8 48.3 58.0	
RISTOL UCHANAN UCGS ISLAND DAM URKES GARDEN AMP LEE	50.1 48.6 50.0 44.9M 51.0	11.9	44.5 41.4 42.6 36.9 41.6	7.8 1.5 4.5	44.1 45.5	- 3.2	53.9 54.3 56.3 46.5	- 1.1 - 1.6	67.0 66.1 67.8 59.1	2.7 1.3 2.0	71.4 74.5	1;4 - 1.1 2	73.2 73.3 77.4 66.2	- 1.0 - 2.6 - 1.0	76.3	- 1.8 - 1.4	67.1 66.6 69.5 59.5	9 - 3.1 - 1.1	62.5 59.2 62.6 54.8	-	42.4 44.2 48.1 35.2	- 2.4 - 2.3 - 5.0	33.6 35.1 36.8 28.6	- 2.4 - 3.4 - 4.3	56.4 58.9 49.7	-
APE HENRY WE CITY APRON ARDINAL ATAWBA SANATORIUM HANTILLY	53.9 50.8M 44.3 45.6	_	45.7 42.0 37.6 36.7	4.5 5	46.9 45.9M 40.3 39.3	.3 - - 4.9	54.5 - 51.1 50.8	1 - 2.8	63.1 - 62.6 62.8	- 1.1 - .1	73.2 - 68.1 70.6	.3 - - 1.6	76.7 - 69.4 72.7	8 - 3.3	75.5 76.3M 69.0 72.8	- 1.4 1.0 - 2.6	71.5 70.9 - 63.2 64.4	3 0, - 3,6	64.8 61.3 - 58.7 57.0		51.4 45.3 43.2 44.6	7 - 3.6 - 2.5	39.7 32.9 31.8	- 4.0 - 5.0	59.7 53.4 54.1	- 1
HARLOTTE COURT HOUSE HARLOTTESVILLE 2 W HASE CITY HATHAM 2 NE HERITON	49,5M 42,9 50.5 48.0 52,3M	-	40.0M 38.0 42.4M 40.9		-	- 4.2 - 3.4	54.5M 53.6 55.1 55.1M	- 2.1 - 1.0 - 2.3		.1	72.3 73.0 73.2 75.0	.1 9 7	74.7M 74.4 74.9 78.0M	- 2.3 - 2.5 3	74.1N 74.5 74.3 76.5M	6 - 1.4 8	67.3M 66.7 68.0 71.6M		59.2M 60.0M 61.4M 64.1M	1.3 - 3.4 1.3	47.9M 47.0 45.7 53.3M	- 2.3	33,2M 34.3 35.1 38.6M	- 5.9	56,8 56.0	-
LARKSVILLE OLUMBIA ROZET 2 N ULPEPER AHLGREN PROV GROUND	49.6 44.7 48.1 48.3 48.7	7.7 13.6	41.5 38.3 39.0M 39.8 38.7M	1.2 .8 3.5 1.0	41.0	- 2.6 - 5.6 - 1.6 - 4.1		7 - 2.7 5 - 2.6	64.1 63.6M	5	71.9M 72.0	5	76.4 74.3 74.5 74.6 76.5	- 1.2 - 2.0 - 1.1 4	73.2	2	70.9 67.2 66.2 66.7M	.5 - 1.7 - 1.4 - 2.1	61.2 58.8	3.0 2.7 2.5	48.2 46.1 45.4 46.1 47.1		35.3 33.4 35.6 33.1 35.7	- 4.1 - 4.6 - 3.1 - 3.3		- 1
ALE ENTERPRISE ANTE ANVILLE ANVILLE CAA AP IAMOND SPRINGS	46.4 46.0 50.0 49.2 53.8		39.3 43.6 41.7	3.0 3.3 .9 -	41.9 47.0 45.1	- 3,2 - 2,8 - 3,0	50.6 57.4 55.9	7	61.9 64.8 68.5 66.9 65.4	6 3.1 1.0	68.7 69.6 75.2 74.7 75.0	- 1.3 .4 8 -	71.0	- 2.4	70.4 70.3 75.9 75.2 75.0	- 1.7 - 1.0 - 1.9	64.9	- 2.3 - 2.9	56.6 59.2 63.5 62.8 63.7	2.8	42.3 39.4 47.3 45.9 51.2	- 1.6 - 5.4 - 2.4	36.8 36.3	- 4.1 - 5.0 - 5.1	58.1	-
LKWOOD 7 S MORY PISCOPAL HIGH SCHOOL ALLS CHURCH ARMYILLE	48.3M 48.2 46.5 50.0	13.2	37.5M 38.1 37.1 40.7	2.2	41.3M 42.4 41.2 45.6M	- 3.4	52.9 52.1	- 3.2	63.7 68.4 64.9 64.1 65.7	- 1.7 7.0 -	73.7 72.1	- 1.3	76.0 74.7	-	73.2 75.0 73.9 74.0	2 - - - 2.4	64.9 M 64.0 66.7 65.7 67.9 M	- 2.6	57.9 59.5 60.5 58.21 61.0	.7 4.2 - 2.8	45.7 40:4 48.1 46.0 45.2M	8 - 4.1	32.7 M 32.5 34.6 M 33.4 35.3	- 3.1 - 4.5 - 3.7	ł	-
LOYD ORT LEE REDERICKSBURG RONT ROYAL CAA AP LEN LYN	46.6 44.9 46.5		39.3 38.0M 35.9	_	41.5 41.5 38.5 40.9	- 2.1 - 5.2	49.6	- 2.8	62.8 65.2 64.6 62.9 65.8	-		- 1.7 1	70.3 76.3 75.2 72.7 72.4	- 1.5 - 1.4	69.1 74.2	- 1.8 3 - 1.9	63.2 68.6	- 1.9 - 2.6 - 1.5	57.7 61.4 60.11 55.9	2.7	41.5 47.6 45.8 42.9 43.8	- 2.7 - 1.6	31,2 37,4 33,3M 31,3 34,6	- 4.4	53.6	
ORDONSVILLE CAA AP ALIFAX OLLAND 1 E OPEWELL OT SPRINGS	46.2 49.3 53.3 52.4 43.2	12.0 12.5 11.5	43.2	2.4	40.2 45.8 48.4 48.2 36.4	- 1.4 9 - 5.3	57.7	5 .2 - 2,6	63.2 67.3 65.8 66.3	- 1.4	70.0 73.9 74.2 74.8 65.9	- 1.1 5 8	72.9 76.0 76.7 77.7	4 - 1.3 - 1.4	72.4 75.3 74.8 76.5	- 1,4 8 - 1.4	65.2 68.8 70.2 70.4 60.9	3.6 - 1.4	57.7 62.1 62.7		43.3 46.6	- - 1.8	32.4 35.9	- 3.9 - 2.4	54.2 58.4 59.6	
UDDLESTON ANGLEY AIR FORCE BASE AWRENCEVILLE EE EXP FOREST EXINGTON	52.9 	12.4	43.4 - 41.0	2.4 - 5.1	-	9 2	=	9 2	65.1	9 1,1	74.9 72.4M 69.1	,6 - 1.6	-	.2	76.7 75.8 75.1 75.4	- ,7 - 2,6	68.6 68.3	.0 - - 2.8	65.3 62.3 61.3 57.0	4.0 - 2.1	50.6 47.9 47.3 42.9	.2 - 9	37.8 33.9	- 2.0	54.9	
INCOLN OUISA URAY YNCHBURG WB AIRPORT ANASSAS	44.3M 48.9 47.9 47.8	13.3	36.7 39.4 39.8M 39.6	2.7 1.7	43.6 41.8	- 1.8	50.8M	- 1.6 .1 - 1.7	64.3 64.9 62.3M 64.9		71.9 72.5 68.6 72.6	2 - 1.5 5	74.9 70.4	- 2.7 2 - 2.8	70.3	- 1.5	66.1M 66.7 63.2 66.3 65.4M		59.5 56.8M 60.5 58.4	4.0 3.3	45.8 46.6 44.2 44.6 46.7	.1 9 6	31.7	- 1.7 - 3.0 - 2.7	54.0	1
ARTINSVILLE FILT PL ATHEWS 1 SSW ONS ONTEBELLO ONTEREY	45.0 43.6M	6.7	38,8	- 1.5	40.7 37.99 35.8 35.11	-	53.4 48.7 47.2 44.5	- 5.0	65.6 60.0 60.6 58.0	- 1.4	71.8 65.6 66.2 64.6M	- 1.7	73.7 67.1M 68.3 65.1	- 2.4	72.3 74.2M 67.6 67.2 65.3	- 3,4 - -	66,8 69,6 60,61 60,1 58,81	- 2.3	60.8 62.3 57.0 55.8 53.3	1.9	43.4 49.4 41.0 40.7 37.4	- 4.3	34.5 37.0 30.9 29.2 27.7	- 4.5 - -	55,6	- 2
OUNT JACKSON OUNT WEATHER EW CANTON EWPORT NEWS ORFOLK WB AIRPORT	46.5 37.9 49.6 52.8 53.3	12.4	37.0 29.3 40.3 45.5 44.1	2.2	39.7 31.4 44.2 48.5 46.8	- 8.0 - 2.9	49.9 44.0 54.0 57.2 55.2	- 1.1	62.2 58.2 64.5 66.8 64.7	2	68.9 66.5 71.1 75.9 73.8	- 1.1	71.2 69.3M 73.4 78.6M 77.3	- 2.7	70.9 69.5	- 2.0	62.6 61.8	- 2.9	56.2 54.2	1.7	43.3 40.4 46.2 52.3 50.0	7	31.5 25.1M	- 3.5	61.0	- 1 - 2
ORFOLK WB CITY NLEY 1 S ENNINGTON GAP 1 W HILPOTT DAM IEDMONT FIELD STATION	53.9 50.3 46.2 48.5	11,2	45.4 42.5 40.9	2.7	47.8 45.1 42.1 45.5k 43.1	5 - 2.4	56.3 54.2 49.1 55.6M 53.8	2 - 5.0	65.7 63.1 65.5 64.5	5	75.3 72.9 69.5 71.8M 72.7	- 1.6	78.1 76.3 70.9	6 4	76.5 74.0 69.3	- 1.9	71.8 68.9 65.5M	- 1.5	65.6 62.0 59.5% 60.4	3.1 2.7 2.5	52.1 50.0 40.4 	.7	1	- 2.7 - 3.2	60.7	-
OOR MOUNTAIN . OWHATAN 2 E ULASKI CAA AP UANTICO 1 S	41.7M 	11.8	34.9 37.4 38.4	2.5	36.4 39.1 41.7	- 3.2	48.3 49.6 53.2	7	59.9M	-	65.5M - 67.5 72.8	-	66.5 69.4 76.0	- 1.0	66,1 68,7 74,4	- - 2	58.8 62.3 67.2	- 1.6	54.6M 59.5 57.1 59.5	2.1	45.9 38.7	.7	34.6 30.4 34.2	- 2.3	52,4	
ICHMOND WB AP ICHMOND WB CITY OANOKE OANOKE WB AIRPORT OCKY KNOB	49.7 50.7 48.3 47.6 45.5	10.5 9.8	40.7 41.8 41.7 40.3 37.7	2,2	44.4 45.3 44.0 42.6 39.3	- 1.9 - 3.4	54.7 55.3 54.4 53.7 49.4	- 1.1 - 1.3 - 1.2 - 2.5	65.6 66.0	9	74.2 74.0 71.2 71.4 66.4	1 - 1.1 5	76.8 76.2 72.4 73.2 67.5	- 3.3	75.5 75.3 71.9 72.3 66.8	- 2.8	68.4	- 2.1 - 3.2 - 2.6	61.2 62.1 59.9 60.9 55.5	2.3	47.3 48.0 44.3 43.2 40.3	1.2 3 - 2.5 - 3.8	36.1 37.4 35.7 34.6 30.6M	- 5,3	56.3	-
OCKYMOUNT ALTYILLE ALKALI WORKS ALUDA TAUNTON TUART	48.2 47.3 - 45.5 49.2	12.1 9.8	42.2 41.7 37.1 43.1	1,1	41.8 41.8 44.71 39.1 45.1	- 2.6 - 2.6 - 5.2	55.5% 50.6 49.7 54.9	- 3.2 - 3.4	66.5 62.5 65.1	9	70.9 69.8 71.1	- 1.0	72.8 71.8 72.3m	- 2.7	71.9 71.6 71.1	- 1.6 - 1.4 - 3.4	66.6 64.2 66.1%	- 1.3 - 3.2 - 3.7	57.7	2.0	41.3 - 44.6 46.4	6	35.7 32.4 31.7 36.6	- 3.0 - 4.6 - 5.3 - 4.5	55.4	
UFFOLK LAKE KILBY UGAR GROVE IMBERVILLE 2 N RBANNA WB CITY ALKERTON	51.2 46.8 46.5 51.3 50.8		42.8 38.7 38.2 41.2 41.1	3.0	45.9 39-1 39.9 44.6 46,5	- 2.7	54.2 47.9 50.0 53.8 55.0		64.4 60.5 62.3 63.4 65.5	- 1.4 - 1.0	72.7 -68.5 73.3 74.4		76.6 66.9 71.2 76.5 76.5	- 1.0 6	74.3 65.9 70.6 74.2 74.8	- 2.2 9	69.5 60.9 62.8 68.8 69.1	- - - 2.4 - 1.0	62.9 55.3 55.7 61.7 61.6	2.2	47.7 37.5 42.0 49.0 48.3	- 1.4 .1	36.7 29.1 30.7 37.0 36.0	- 4.6 - 2.3	58,2 53,2 57,9 58,3	-
ASHINGTON WB CITY DC ASHINGTON WB NAT AP ATERFORD AVERLY HILLS ILLIAMSBURG 2 NW	48.4 48.0 41.7 47.6 51.4	14.6	38.7 38.7 33.5 37.9 42.4	3.4	41.8 41.7 36.0 42.1 46.8	-	52.8 52.4 47.4 52.8 55.8	:	65.0 64.5 59.6 64.3 64.3	.8	74.1 73.9 66.8 72.2 72.6	1.7	76.4 76.2 69.9 75.2 76.3	:	76.0 75.6 74.5 73.7] :	67.0 66.9 61.2 66.0 68.2	- 1.2	60,9 61.0 53.9 60.1M 61.7	-	48.0 47.9 41.8 48.0 48.7		35.6 35.6 29.8 34.3	- 1.0 - 1.0		1
/INCHESTER RESEARCH LAB MOODSTOCK MYTHEVILLE	46.4 47.4 49.7⊯		36.6 38.0		40.1 40.9 43.41	- 3.3	50.9 50.8 50.4	- 1.8 - 1.9 - 1.6	63.6M 63.1 62.6	1	70.2 70.5 67.8	.1	72.6 71.6 69.5	- 3.2	73.3 72.3 68.8	- 1.0 8 - 1.7	64.0	- 3.5	57.7 56.8 58.4M		44.6 44.0 39.6M		31.4 32.5 31.3	- 4.2 - 3.0 - 4.0	54.3	-

ee reference notes following Station Inde

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

	Janu	IATV	Fob	nuary	Mar	ch	Apı	nil	M	av I	Ju	ne	Ju	lυ	Aug	Tiet	Septer	mha-	Octo	her	Nove	mh	Decer	nha-	Ann	nal l
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
NGDON ON BOXWOOD GARDENS XANDRIA POTOMAC YDS AVISTA SSVILLE	6.98 1.69 1.63 2.35 1.46	1	5.20 2.36 2.25 1.86 2.51	.18	4.65 3.89 2.46 2.70	-	1.49 .94 1.58 2.06 1.19	-2.32	8.88 6.93 5.31 4.49 5.58	3.08	7.21 2.43 3.65 3.52 3.73	98 -	5.02 4.02 4.42 5.01 3.62	78	3.22 6.36 4.20 3.71 3.18	1,25	2.56 9.59 5.05 5.95 7.30	5.91	. 86 1.92 2.65 2.08 2.92	-2.22	2.32	-1.20	2.81 6.22 3.02 4.24 3.80	3.14	51.20 39.98 39.65 40.55	-
ANDALE OMATTOX LAND USTA SPRINGS 2 SW LEYS CROSS ROADS	2.70 3.60	- .57 -	2.53 1.86	-1.01 -2	4.84 3.23 3.01	48	2.99 2.27 .74 -	-2.83	5.62 4.10 5.92	2.07	3.69 3.43 .65	-3.49 -	6.06 8.74	4.02	5.62 2.64 3.08	-1.59 -	6.79 8.51 8.60 6.16	-	4.31 1.90 2.43 .62 3.58	64	3.10 1.31 1.80 2.81 2.33	49	3.46 3.70 3.09 3.81	-	42.38	-
CONY FALLS CROFT FORD RYVILLE KNOB R	2.35 2.37 7.72	- 82 - 3.80	2.77 2.88 1.99 5.39	.10 41 1.74	2.73 - 3.77 2.00 3.79	82 04 .05	1.23 1.89 .79 .78	-2.14 -1.26 -2.08	5.30 9.14 5.21 7.29	5.27 4.62	2.76 3.73 3.43 4.99	-1.00 55 2.40	4.96 6.91 4.45 6.41	.83 2.69 1.67	3.47 2.79 1.72 4.96	-1.21 -2.16 1.62	10.26 6.78 - 1.49	6.77 3.45 -1.17	1.19 1.78 1.59 1.12	-2.23 -1.34 -1.09	1.68 1.85 4.83 3.43	83	5.26 3.98 4.78 3.04	2.03 .77 01	47.85 50.41	12.
MEADOWS CESBURG CESTONE CAA AP LING GREEN MO BLUFF	2.57 2.98 2.37 -	99 31 - -	2.28 2.18 1.50 2.43	51 90 - -	3.12 3.53 - 3.27	2.95 - - -	1.64 1.78 1.46 2.61 .77	-2.32 -1.41 -	6.89 7.25 8.66 4.28 5.64	2.74	2.79 3.47 3.64 .60 1.04	-1.46 -1.11 - -	4.71 7.08 7.02 6.41 5.47	76 1.88 -	1.43 3,71		6.01 2.03 3.86 7.71 5.84	1.26 -1.18 -	4.60 2.26 2.08	47 - - -	5.39 2.16 1.84 1.38 1.25	-	8.62 3.14 2.62 2.92	5.35	40.71	
STOL STOL NEAR OENEAL HANAN KINGHAM 1 E	7.62 7.39 - 2.19	4.69 -1.46	3.25 5.14 - 3.00	23 - .28	4.38 5.44 - 3.05	.16	1.77 1.78 2.24 1.30	-1,19 - - 96	8.25 8.63 7.05 6.85	4.84 - 3.59	6.55 5.12 5.67 1.71	2.29 - 1.33	4.31 3.86 7.44 7.59	79 - 3.08	4.04 4.80 3.65	01	2.58 2.05 4.65 9.10 3.91	10 - 5.95	2,12 .93 2,79 1,18 2,43	.00 - -2.53	2.39 1.10 3.10 1.90	.41	2.42 2.86 4.20 4.06	- - .99	49.19 53.02	10
GS ISLAND DAM KES GARDEN LESBY P LEE E HENRY WB CITY R	2.35 4.19 2.55 2.28 1.76	.51 -1.39	1.25 3.21 1.81 1.40	37	2.52 4.56 2.54 2.96 2.00	07 -1.87	1.57 .73 .79 - 1.86	-2.87 -1.44	4.31 6.25 7.42 2.22	2,12 - -1,35	4,33 5,26 1,99	-1.97	5,24 5,81 6,19 10,26	1.19	3.11 2.69 2.59 - 2.85	-1.73 -2.01	6.66 2.85 2.49 - 3.99	48 - 1.13	2.16 .57 1.05	-2.38 - -1.55	1.77 3.63 2.80	.75 - 39	2.40 3.32 2.77	67	37.67 38.81 34.04	- 8
RON DINAL AWBA SANATORIUM NTILLY RLOTTE COURT HOUSE	2,42 2,18 2,01 2,40	- 76 -	1.71 2.09 3.24 1.69	70	2.97 1.71 4.15 3.71	-1.7B	2.34 1.04	70	7.19 4.95 V8.31	3.72	2.86 4.56 3.38	-1.89	6.12 4.31 9.29	1.71 -	2.25 - 2.27 2.43 3.35	-3.60 -2.48 -	5.90 5.97 6.97 8.47	2.29	1.70 1.39 3.64 2.90	-1.39 -2.28	2.99 1.47	=	4.04 3.47 3.38	1.02	43.76 48.35	
RLOTTESVILLE 2 W RLOTTESVILLE 1 W //R SE CITY THAM 2 NE THAM SCS R	1.93 2.89 2.87 2.81	- - 61	2.81 2.56 1.28 1.88 1.80	.01 - -1.30	3.04 2.92 2.84 2.54	43 - - 91	1.39 1.44 1.56 1.09	-2,13 - -1,79	5.55 6.69 - 6.01 6.27	1.59 - 2.21	2.12 1.39 2.28 1.78	-3.17 -1.49	5.64 5.10 2.74 2.94	1.31 -1.49	1.19 1.12 2.92 2.30	-3.93 - -1.23	10.57 9.57 8.35 7.55	7.35 - 4.93	3.31 3.07 2.68 2.70	32	1.61 1.41 2.74	85 - .21	4.46 4.34 3.40 3.11	07	41.54 40.27	- 1
RITON NCOTEAGUE R RCSYILLE R RENDON LYON PARK RKSYILLE	2.56 1.61 2.38 - 2.76	-1.07 - - - 53	2.23 1.65	- - - -1,72	3.43 3.00 3.22	15 - - 44	1.53 1.82 1.86 2.38 1.71	-2.01 - 98 -1.69	4.23 1.88 5.70 5.61 4.41	1.16 1.84 .54	.80 1.51 2.25 3.68 6.48	-2.63 - .01 2.25	5.85 5.48 2.08 5.85 5.68	.79 - 1.92 1.48	4.28 1.59 2.16 5.88 3.44	1,21 -1,19	2.05 3.10 5.38 6.50 4.70	-2.38 - 2.76 1.62	.42 .77 1.00 3.52 3.17	-2.62 - 18 .36	2.01 2.02 2.59 2.72 1,33	14	2.80 2.62 3.25 3.82 3.81	1.10 .31	33.88 - 42.36	
VELAND FTON FORGE NCHPORT UMBIA CORD 5 S	6.41 2.53 9.59 2.14	51 5.15 -1.21	4.25 6.04 2.35	2,01 39	3.80 2.10 4.36 3.18	-1.67 63 41	1.41 1.26 1.79 1.09	-1.36 -2.05 -2.38	9.56 5.93 7.46 7.09	2.35 3.39 3.47	4.56 2.83 6.86 1.56	52 2.30 -2.38	4.64 5.05 5.97 5.28	1.21 1.00 1.02	3.47 3.12 4.61 3.73	88 06 80	4.11 8.98 1.69 7.39 8.64	6,22 -1,66 4,42	1.66 .73 1.47 2.23 2.45	-1.27	3.06 2.15 3.71 1.29 1.71	61 .79 -1.04	3.01 3.50 2.83 2.75 4.26	.87 -1.79 40	49.94 56.38 40.08	
TES STORE PER HILL INGTON ZET 2 N PEPER	1.81 2.54 2.54 2.44 2.06	.01 93	1.90 2.33 2.79 2.19 2.52	.63 - .12	1.84 2.54 2.50 2.32 3.64	04 .74	.40 1.97 .94 1.16 2.15	-1.18 -1.21	4.15 6.32 4.77 6.32 5.49	1.43 1.47	2.03 4.07 2.39 1.49 2.09	- 95 -2.88	8.45 4.64 5.28 4.66	- .92 - .84	3.90 5.40 2.63 1.07 2.09	80 -2.71	6.85 6.62 8.95 10.21 4.95	6.57 1.71	2,08 .82 2.10 2.86	-	.80 2.40 2.66 2.12	.16 37	2.86 5.77 3.90 5.27	2.00	48.89 39.27 42.51	,
LGREN PROV GROUND E ENTERPRISE ASCUS TE VILLE	2.52 2.05 7.42 7.48 2.88	33 59 4.05 3.54 49	1.37 1.70 4.82 3.08 1.65	-1.12 53 1.16 52 -1.54	4.03 2.35 5.20 3.55 3.36	.68 56 1.28 92 36	1,43 1,26 1,47 1,37 1,26	-1.98 -1.56 -1.88 -2.17 -2,12	3.77 6.94 8.05 9.53 8.13	.64 3.42 3.73 5.11 4.55	1.06 1.53 8.58 4.47 6.72	-2.81 -3.26 4.51 25 2.68	2.35 2.68 3.44 3.26 6.51	-1.89 -1.75 -2.28 -2.64 2.32	5.57 1.57 4.40 4.94 2.80	.43 -2.61 06 .11 -1.64	11.26 7.28 2.89 5.09 4.37	8.57 4.72 43 1.77 1.26	1.70 1.22 1.27 .92 3.84	69 -1.48 -1.10 -2.03	1.71 2.16 2.59 3.93 1.42	24 .20 .17 1.07 81	2.68 2.91 3.65 - 3.35	41 .32 .70 23	39.45 33.65 53.78 46.29	- 3 4
VILLE CAA AP WIN ENPORT APLANE R MOND SPRINGS	2.47 5.44 3.96 1.75 2.03	-1,51	2.76 2.68	-	3.01 1.85 2.90 3.57 2.79	- - 83	1.17 1.48 1.23 .87 3.42	.15	6.95 7.56 5.41 6.17 2.55	-1.60	6.05 3.73 5.98 2.63 3.43	-1.68	6.28 1.32 4.53 5.46 12.19	- - - 6.65	2,37 4,74 4,05 2,22 6,15	1.87	4.62 2.55 4.08 5.10 2.74	97	2.99 1.60 1.75 2.07	- - 87	1.15 3.23 3.21 1.66	- - 70	3.55 2.90 5.06 2.78	-1,37	42.05	
VER 5 NE BAR GANNON WOOD 7 S	2.41 9.63 7.55 2.18 5.93	- - 37 2.39	4.65 5.23 2.30 3.96	- - .46 .65	3.70 4.46 3.77 3.94 4.38	. 89 . 26	1.55 2.09 2.07 2.80 1.38	.33	3.80 7.64 7.90 6.08 6.55	2.00 2.78	3.64 6.07 5.69 1.99 5.59	-1.77 1.80	9.87 4.99 7.41 3.47 5.59	-2.09 1.57		-1.73 -1.75	2.16 3.84 4.07 7.52 2.26	3.79 43	2.00 1.97 1.52 2.95 .72	- - 32 -1.71	4.44 2.99 2.47 1.89	- - 54 37	2.35 3.34 3.22 3.04 2.48	.33	57.39 53.87 41.24 43.82	2
DRIA 1 WNW SCOPAL HIGH SCHOOL RFAX LS CHURCH WYILLE	2.02 1.78 1.79 1.60 3.01	-1.43 - - - .17	1.76 2.52 2.96 2.55 2.58	-1.64 - - - 17	2,93 4,08 3,91 3,92 3,95	65	1.25 1.66 1.37 1.34 1.64	-2.03	4.44 5.77 5.32 6.04 7.22	.58 - - - 3.35	6.24 3.24 3.74 4.35 3.76	82	10.85 4.85 5.69 6.64 7.43	4.22 - - 3.24	4.00 5.43 3.93 4.41 5.30	-1.21 - - 1.27	9.75 6.61 6.64 6.68 6.15	5.79 - - 3.42	1.64 3.58 4.14 3.62 2.59	82 - - - 69	1.43 2.54 2.45 2.98 1.99	-	2.06 3.52 4.05 3.84 3.24	73 - - .08	48.37 45.58 45.99 47.97 48.86	7
DALE R TD TD NO 2 T LEE DERICKSBURG	2.12	-1.93 - -1.02	1.85 1.73 2.22 2.34	-1.41	2.58 2.48 4.22	- - - . 64	1.83 2.27 1.77 1.22 2.15	88 -1.35	9.80 7.55 5.35 4.27	5.53 - .53	6.28 4.55 4.30 2.25 3.14	-1.07	3,17 6.08 5.36 7.02 4.03	.88 - 33	3.36 3.25 3.81 2.84 2.60	-	6.18 4.62 5.50 4.12 9.90	6.74	4,39 1.98 2.00 2.17 2.31	-1.05 - - 90	1.29 - 2.24 1.36 1.71	40	3.35 6.56 2.11 2.58	- - 56	41.55	-
DERICKSBURG EMBRY PL NT ROYAL CAA AP AX N LYN DONSVILLE CAA AP	2.38 1.74 2.56 3.12 2.12	- - 18 -	1.94 2.60 1.98 2.43 2.02	- - 55	3.77 3.06 1.62 2.47 2.96	- 76	2.28 .78 2.40 .90 1.16	-1.82	5.76 6.82 6.91 6.52 5.10	3.42	1.58 2.33 4.53 5.07 1.30	1.69	3.72 5,21 6.55 4.23	2.24	3.74 3.44 4.66 1.35	.75	8.69 3.47 3.69 2.19 5.45	37	2,91 2,31 2,58 1,91 3,05	- - 91	1.98 3.95 2.98 2.52 1.80	. 28	3.14 3.97 3.70 3.95	.86	38.49 42.04 34.49	4
IEN IECLOSE R IDY IFAX BI	3.16 6.21 6.50 2.87 6.06	- - 66	2.87 3.77 1.66 3.36	-1.37	2.96 3.04 3.20 2.95 2.86	87	1.07 .94 1.75 2.24 1.60	- - -1.02	4.53 5.73 6.65 6.18 7.11	- - -2,18	3.04 3.10 4.33 6.59 3.65	2.59	8.92 8.96 4.91 6.05	- - -1.03	4.12 5.56 2.77 .96 3.60	- - -3.22	10.28 2.60 4.27 3.13 5.54	-1.11 -1.11	.80 .83 .95 2.57 2.06	- - 14	3.49 2.44 - 1.14 4.33	-1.95	5.20 2.58 3.75 2.76	.59	44.82 38.95 48.98	- 8
H KNOB R LSVILLE IS LTL MACHIPONGO R LAND 1 E STON	8.01 2.70 2.18 6.81	2.70 -1.61	1.91 1.64 4.65	-1.89	2,31 1,59 3,67 4,41	.12	1.90 1.23 1.17 1.69	-2.21 - -2.39	8.46 9.62 3.68 10.32	4.62 - .52	5.42 .90 3.77 6.91	92	5.72 5.09 4.27 7.83 6.21	-1.30 - - .68	2.74 - 4.19 2.39	-1.85	10.60 3.47 2.06 5.92 3.74	1.49	2.08 1.51 .65 2.64 1.14	.31	2.94 2.08 1.93 3.26	-1.02	3.55	. 20 - 57	44.24 40.68 55.08	- 7
AKER R AKER NEAR EWELL, SPRINGS DLESTON	7.77 5.13 2.05 3.50	- 93 .25	3.28 4.32 1.83 3.04			-1.04 44	1.83 2.41 1.33 .63	-2.07 -2.71 -	8.51 10.02 4.73 5.81	1.06 2.21	5.12 5.52 1.93 3.48	-2.89 -1.03	5.67 6.11 7.27 3.51	2.95 73	3.70	-1.36 46	5.57 6.75 3.87 10.97	- .48 7.86	2.32 1.93 2.22 1.01 2.73	44 -2.46	3.09 3.23 1.29 3.65 1.14	- 83 1.14	2.62 2.76 1.13 -	- -2.39 -	52.98 57.20 33.83	- 8
LEY R EPENDENCE IAN VALLEY R ELL RIDGE	6.10 2.42 3.12 5.63	=	2.93 2.28 2.14 3.67		1.77 2.37 3.96	-	1.30 1.45 1.36 1.46	- - -	5.91 5.51 6.14 6.73	-	5.66 4.31 3.28 6.34	-	8.80 4.49 7.58 5.42		3.74 4.86 2.44 5.67		3.80 2.43 2.12 3.44	-	1.83 2.30 1.50 1.49		3.93 3.00 2.73 3.43	-	2.57 3.87 2.74	=	38.65 49.98	

See reference notes following Station Inde

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

	Janu	ary	Febr	uary	Маг	ch	Apri	1	Ma	у	Ju	ne	Jul	у	Aug	rust	Septer	mber	Octo	ber	Nove	mber	Dece	nber	Ann	ual
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
JONESVILLE 2 SSN JORDAN MINES R KERRS CREEK LANGLEY AIR FORCE BASE LAWRENCEVILLE	9.09 2.95 2.07 2.39	- - 58	5.98 2.56 2.47 1.99	-1.35	4.72 2.34 2.94 3.11	- - 46	1.71 .99 1.00 2.01	97	8.12 6.18 4.30 2.21	-1.18	4.51 2.34 2.21 2.22	-2.07	6.02 5.80 3.30	-	6.44 1.27 2.44 9.40	4.87	1.53 4.62 12.71 5.29 6.80	2.52	1.36 1.32 .79 2.16 3.30	- - 34	3.60 2.48 2.54 1.75 1.40	- - 38	3.06 3.25 4.62 3.70	-	56.14 36.10 41.39	-
LEE EXP FOREST LEESBURG LEXINGTON LINCOLN LOUISA	2.51 2.49 2.55 2.20	50 45 92	3.97 2.53 3.32 2.83	- 14 .71 .19	2.79 2.76 4.09 3.91	- 67 1.01 .53	1.08 -	- -1.72 -2.23 -1.61	4.10 6.03 5.30 4.78	2.71 1.70 .96	1.56 4.29 1.41	-2.56 44 -2.73	5.87 4.88 4.47	1.98 1.44 .07	2.49 2.84 1.30 3.30	-1.25 -2.96 -1.20	5.15 7.37 7.30 6.94	4.63 4.66 3.87	1.27	-1.86 -1.86	1.58 2.17 4.02 1.50	.02 1.67 76	3.70 5.59 3.27	.59 2.85	39.81 39.60	1.23
LOVES MILL LURAY LYNCHBURG 7TH ST BRG LYNCHBURG WB AIRPORT R MANASSAS 4 S	7.06 1.90 2.65 2.69 1.32	- - -,74 -1.80	4.91 2.07 3.08 2.12 2.58	-1.03 51	4.17 3.09 3.51 3.63 4.11	.09 1.05	1.39 .53 1.93 2.23	. 72	10.13 3.96 3.92 4.36	.73	6.15 2.75 2.74 2.88	91	5,58 4,45 7,68 7,92	3.71	3.54 4.10 3.02 6.45	2.67	2.54 3.75 5.81 6.27	2.96	.90 2.30 1.97 1.87	- - -1,28	2.13 4.52 1.74 1.61	- 72	3.60 6.82 4.37	1.11	52.10 40.24 46.40	5.87
MANASSAS MARION MARSHALL MARTINSVILLE FILT PL MATHEWS 1 SSW	6.14 1.71 2.74	-1.40	3.92 2.59 2.15	-1.34	4.29 3.54 3.02	-1.31	1.10 .73 1.31	-2.29	9.29 6.59 7.96	4.25	3.48 4.98 5.55	1.30	5.43 6.49 5.50 3.66	1.42	3.02 5.14 2.62 5.29	-1.90 - .00	5.25 3.39 5.22 6.26 2.72	2.67 - 4.02	.96 2.69 3.83 1.47	.38	2.93 2.79 4.22 2.12 1.83	.56 - 84	3.30 4.90 2.85 2.05		50.29 45.29 48.74	- - 49
MC GAHEYSVILLE 3 S R MEADOWS OF DAN 5 SW MENDOTA MONS MONTEBELLO	2.17 7.81 2.32 2.66	3.62	1.93 5.09 3.50 3.15	1 41	2.30 4.56 2.68 3.43	.05 .23	2.37	2.07	5.23 7.62 7.54 6.92	3.69 1.56	1.76 5.51 5.25 4.57	1.16	3.21 6.95 8.23 6.27	1.88	2,35 4,52 5,40 4.60	- .11 -1.25	7.09 3.21 8.85 7.93	- .16 - 3.67	1.46 1.86 1.47 1.61	-1.03 -2.52	2.94 2.77 2.27 3.81	- .03 .36	5.00 5.43 3.23 5.12 7.32	60 4.02	36.98 - 54.74 55.00 53.51	8,41 1,30
MONTEBELLO FISH NURSERY MONTEREY MOORES CREEK DAM MOUNT JACKSON MOUNT WEATHER	2.65 3.35 1.83 2.10	15 54 86	2.86 2.81 2.19	10 .54	4.35 2.28 3.55	03	1.15 -	1.79 1.01 2.59	6.98 4.22 3.18 4.60	22 .32 .69	3.17 1.40 2.58 4.77	-1.65 -1.23	6.73 3.68 7.12 3.15	-1.14 2.51 -2.00	3.73 1.26 3.60 3.57	-3.18 -1.00 94	8,38 9,33 3,89 5,97	6.69 .43 3.13	1.68 1.59 1.52 2.71 3.05	-1.63 94 .04	3.34 3.07 1.90 3.55 4.07	.68 20 1.17 1.61	8.73 3.46 2.93	.16	54.23 - 36.51	01
NATURAL BRIDGE STATION NEW CANTON NEW CASTLE NEWPORT NEWPORT NEWS	2.02 2.25 1.89 2.00 2.55	-1.30 81 -	3.10 2.64 2.29	31 24	3.31 3.36 1.89 2.91 2.89	47 92 -		2.29	4.33 5.81 5.99 7.68 2.90	2.39 1.91	1.71 1.37 3.04 5.09 2.19	-	6.57 6.53 6.00 5.88 10,59	2.64 1.65	3.12 6.61 2.65 6.07 5.29	.1.68 -2.30	10.82 6.62 4.12 - 3.73	3.59	1.07 2.88 1.00 1.35 1.99	30 -1.75	1.75 1.31 1.99 3.25 1.86	-1.04 19	5.69 3.37 3.23 2.71	.07 .88 -	44.73 43.78 35.92 40.56	2.30 - 1.56
NORFOLK #B AIRPORT NORFOLK #B CITY R NORTE BRISTOL SUBSTA NORTH RIVER DAM OLINGER	2.12 2.11 7.30 2.47 10.34	98 99 37	.86 1.09 5.71 2.64 5.35	-2.36 -2.13 -34	2.59 2.79 4.90 3.43 4.74	-1.18 98 22	3.17 3.55 1.69 .59 2.22	.06	2.14 2.27 8.46 - 6.75	-1.67 -1.54	2.81 3.07 7.13 1.69 6.30	-1.41 -1.15 -2.54	12.83 10.79 4.26 3.02 4.27	7.08 5.04 -2.51	5.55 2.35 4.54 1.63 4.40	.33 -2.87 -3.01	2.48 2.05 2.32 12.10 3.19	75 -1.18 8.81	2.15 1.95 1.00 2.00 2.19	89 -1.09 -1.26	1.55 1.53 2.23 2.94 4.25	61 63 40	2.57 2.84 2.70 2.90 3.03		40.82 36.39 52.24 57.03	- 3.27 - 7.70 -
ONLEY 1 S ORANGE 1 SW PEDLAR DAM PENNINGTON GAP 1 W PHILPOTT DAM	2.13 1.31 2.30 9.77 2.34	90 -1.72 67 4.50	2.04 4.21 3.65 5.49 2.66	-1.62 1.61 .84 .67	4.23 6.64 3.16 5.51 3.23	.26 3,45 08 .11	2.47 - 1.07 -	1.45 .87 .2.36 .1.76	3.02 6.40 7.38 5.89	2.74 3.21 2.31	1.17 1.27 2.41 6.41 5.59	-2.17 -3.49 -1.79 2.11	6.74 3.85 4.94 5.91 3.40	2.46 75 40 .39	3.71 2.16 1.53 5.47	-1.35 -2.46 -4.63 1.00	3.59 7.69 7.80 - 9.59	.48 4.43 4.61	.71 2.77 1.04 1.07 4.12	-2.59 31 -2.12 -1.47	2.24 2.26 2.31 4.36 1.28	.08 18 61 1.52	4.74 5.38 3.29	1.53 1.92 75	45.77 42.97	3.98 - 2.08
PIEDMONT FIELD STATION PILOT POOR MOUNTAIN POWHATAN 2 E PULASKI	2.22 3.29 1.82	-	2.61 1.82 2.76	1,1,1	2.60 2.41 1.73		1.58 .97 1.61		4.91 6.10 8.18 7.21	-7	2.11 3.69 3.59 -	-	2.83 7.50 7.96	-	1.33 2.86 3.16 - 3.79	1111	6.61 2.61 5.13 -	-	2.50 2.27 .94 2.29 1.09		1.84 2.41 2.41 1.57 1.58		3.90 3.89 3.00	1111	35.04 39.82	-
PULASKI CAA AP QUANTICO 1 S RADFORD RANDOLPH RAPIDAN	3.03 2.10 2.55 2.65 2.46	98 55 -1,12	1.99 2.25 2.40 1,43 2.59	39 21 -1.75	2.52 4.42 2.62 3.43 3.40	1.10 52 27		1.01 1.18 .48	6.34 3.71 6.98 6.28 4.95	.58 3.81 2.65	2.87 1.51 2.91 4.42 3.72	-2.31 56 56	5.97 4.21 5.25 4.66 3.62	. 24 . 94 . 10	6.37 3.40 3.16 2.15 2.39	-1.06 .04 -2.17	1.88 7.24 3.04 5.97 7.70	4,24 .37 3,21	1.02 2.08 .86 2.66 2.48	88 -2.12 21	1.80 2.27 3.20	1.24	2.52 2.74 2.47 4.15 4.00	- ,09 41 .89	37.63 38.17 36.94 	39 .85
RICHMOND WB AP R RICHMOND WB CITY R RIVERTON ROANOKE ROANOKE WB AIRPORT R		70 68 -1.27 70	1.71 1.65 2.26 2.55 2.61	-1.52 .14 23 17	3.20 3.37 3.09 2.70 2.17	31 .55 62 -1.15	.64 - 1.44 -	-2.74 -1.97 -1.46 -1.19	4.27 5.21 5.60 9.72 8.42	1.42 1.95 6.34 5.04	.99 1.15 3.91 2.49 2.73	-2.75 .56 -1.87 -1.63	6.69 7.92 4.19 7.89 5.21	3.19 1.05 3.71 1.03	3.32 3.54 1.57 3.07 2.74	88 -2.14 86 -1.19	4.04 3.99 4.85 5.76 6.10	.74 1.54 2.56 2.90	1.77 1.69 2.58 2.04 2.43	-1.78 -1.39	1.74 1.27 3.87 1.57 1.26	94 1.68 64 95	2.73 3.15 4.23 4.75 3.91	1.65	33.37 36.40 38.37 45.81 41.69	- 5.62 3.11 5.53 1.41
ROCKFISH ROCKY KNOB ROCKYMOUNT ROSE HILL SALTVILLE	2.50 2.63 1.27 9.73 6.59	-1.08 -2.09	3.10 2.61 5.90 3.91	.38	3.08 3.92 2.22 4.90 3.89	08 -1.72	2.39 1.07 1.76 .96	-1.83	8.10 7.19 6.68 8.22	3.89	2.52 4.12 4.40 4.10	-2.78 - - - -	5.87 4.76 5.65 4.06	13	3.19 2.45 - 3.81 2.73	-1.89	9.62 7.40 - 1.76 3.18	4.36	2.32 2.65 .87	-	2.21 1.89 4.35 2.45	90	4.95 5.44 2.39 3.07 2.40	_	48.74 47.45 52.88 43.40	.75
SALTVILLE ALKALI WORKS SALUDA SLATE SMITHFIELD SOMERSET	6.95 - 6.38 2.42	3.35	2.80 1.59 3.99	.49 - - -	4.29 2.37 1.92 3.01 2.95	14 -1.76 -		-1.75 -2.69 -	9.12 5.00 6.18 2.71	5.31	3.88 3.71 5.10	13 - - -	4.22 9.10 6.86 8.36 3.60	81 3.10 - -	4.12 3.89 2.50	-1.52 - - -	2.94 - 3.92 6.42	.00 - - -	.96 1.85 1.68 3.07	-1.86	2.83 2.45 1.64	.28	2.63	86 - - - -	46.32 - 36.99	2.36
SPEEDWELL SPRING CREEK SPRING CREEK 2 R STAR TANNERY R STATE FARM	3,36 4.57 1.83 3.01	1.74	2.67 2.23 2.04	,21 - -	1.96 2.82 - 2.81 3.69	- 12 - -	.51 .84 1.04 .70	-1.10	7.23 6.66 4.74 8.26	3.61	1.88 3.82 - 2.71 1.68	.02	6,17 4.74 6,78	1.26	5.75 2.00 3.62	1.59	2.14 3.14 4.73 7.31	.23	.85 1.33 2.46 2.45	73	2.37 2.33 3.68 2.39	-	2.48 3.99 2.69	-	36.96 44.62	
STAUNTON STONY CREEK R STUART STUARTS DRAFT SUFFOLK LAKE KILBY	2,21 2,61 2,50 2,30 1,80	63 55	2.24 2.57 1.65 1.31	10 53 -	2.49 2.40 2.95 2.78 2.46	65 -1.24 -	2.27	-2.08 -2.06	5.26 6.86 8.66 5.01 3.03	1.96 5.14	2.53 3.69 3.90 2.18 2.39	-1.69 .56	2.22 6.77 5.49 2.28 7.24	-2.01 .91	1.84 6.39 1.28 3.58	-2.25 .72	4.65 3.63 4.63 3.86	1,80 26	1.03 1.92 2.87 1.18 2.08	-1.93 -1.31 -	2.51 1.35 1.54 1.43 1.70	.42 -1.44	4.34 4.07 4.29 2,42	.13	32.26 46.03 29.65 33.52	07
SUGAR GROVE SURRY 3 S SWORDS CREEK TAZEWELL TIMBERVILLE 2 N	7.00 5.52 1.92	- - - 33	3.09 4.32 3.72 1.99	06	3.64 - 4.17 4.35 2.85	.05	2.02 2.06 1.59	-1.15	6.14 10.58 8.04 4.13	- - - .77	5.53 6.34 2.92	36	5.71 7.22 4.46 3.27	- - 86	3.29 4.58 3.61 3.42	02	2.87 5.21 4.20 2.81 6.93	3.84	1.08 1.53 2.14 1.42 2.93	.12	2.72 1.90 3.36 3.58 2.65	.66	4.70 2.07 2.71 3.43 4.83] -	57.83 49.34 39.43	-
TROUT DALE R TYE RIVER URBANNA WB CITY VIENNA DUNN LORING WALKERS CHAPEL	5.57 2.45 2.40 2.05 1.81	78 -1.11	3.45 3.32 2.02 3.24 2.99	.62 -1.82	3.93 3.02 4.27 4.16 4.26	04 .14 -		-1.39 -2.48 -	7,29 8.01 3.59 6.55 6.26	4.43	4.11 3.01 1.31 4.58 4.40	-2.96 -	4.56 6.00 7.78 5.44 5.99	.72 1.78	4.02 3.07 4.20 5.35	-1.47	2.99 2.40 6.49 6.37	98	1.84 1.45 1.69 3.91 3.44		2.84 1.39 2.01 2.46 3.80	09	5.24 4.06 2.52 3.96 4.21	91 -	47.12 34.49 48.30 50.11	-
WALKERTON WALLACE WALLACETON LK DRUMMOND WASHINGTON VIRGINIA WASHINGTON WB CITY DC R	2.84 6.82 2.54 1.70 1.74	-	2.18 4.88 1.14 1.82 2.68		4.37 4.66 2.38 2.30 4.05	.84 -1.87	1.63	-2.15 - - -1.40	4.70 9.75 4.77 5.96	.87 .94 2.26	1.05 4.30 5.23 3.44	.33 69	8.71 4.00 11.64 1.86 4.20	3.35 4.46 51	4.89 4.15 5.38 3.56 5.30	1.29	5.12 7.27	57 85 4.03	1.70 .99 2.87 2.50 3.33	10 .49		11 .49		41	39.06 48.56 - 46.39	4.23
WASHINGTON WE NAT AP R WATERFORD WAVERLY HILLS WHITE GATE R WHITETOP MOUNTAIN	1.91 1.98 1.69 3.13 6.50	-1.64	2.72 3.34 2.85 1.77 4.38	-	4,17 4.07 3.98 2.04 5.15	.42	1.86 1.10 1.70 .81 .90	-1:41 - -	5.76 5.09 6.92 6.51 7.87	2.06	3.14 4.06 3.87 4.21 8.55	-	5.11 4.00 5.56 5.33 5.10	.40 - - -	7,32 2,57 6,00 4,07 4,52	-	6.73 7.69 7.23 2.40 4.63	3.49	3,59 2,79 3,25 ,85	=	2,87 2,71 2,01 2,49		2.72 4.24 4.08 3.95 4.78	=	47.90 49.84 37.08 56.46	=
WILLIAMSBURG 2 NW WILLIAMSBURG R WILLIAMSVILLE WINCHESTER RESEARCH LAB WOODSTOCK	3.27	-1.69 76 89	1.19 1.44 2.78 2.80 2.22	-2.19 .71 .23	2.57 2.36 2.97 2.38	-1.46 - .09 40	1.04 1.22 .96 1.29 .84	-2.74 - -1.86 -1.86	3.54 3.62 5.82 5.92 5.85	35 - 2.08 2.56	3.34 3.95 3.26	27	5,21 4,63 4,77 2,52	- '.99 - 1.31 84	5,08 1,98 2,81 2,42	87	3.27 2.70 8.70 5.16 4.07	2.82 1.58				2.43	2.06 3.15 3.72 3.18		40.78 42.43 33.98	6.66
WOOLWINE WYTHEVILLE SECTION AVERAGE	4.06	.98	2.32	70	3.34	28	1	-2.24 -1.71	6.71 5.79	3.05 1.98	4.06 3.20	1	4.85 5.78	.85 1.07	5.19 3.68	1.00	5.12 2.54 5.69	76 2.42	1.04 2.24	-1,80 73	1.38 2.98 2.34	1	3.01	.09	- 42.19	.09

See reference notes following Station Index.

TEMPERATURE EXTREMES AND FREEZE DATA

Table 3

MARIANESTAL PROPRIET TO 1	Table 3							1.120 111						1950
Company Comp	Station	hest	Date	I cm	Date	Las	t spring minimu	m of	Fi	rst fall minimum	of			,
AMANDE SOLO SOLO SOLO SOLO SOLO SOLO SOLO SOL	омноп	Higi	Date	Lowest	Date									32° or below
Definition	ANNANDALE ASHLAND BAILEYS CROSS ROADS	99	6-27	7	3- 3 -	4-15 (24°) 4-14 (24°)	4-16 (26°) 4-15 (28°)	4-22 (31°) 4-17 (29°)	10-27 (31°) 10-27 (32°) 10-27 (31°)	11- 6 (28°) 11-12 (26°) 11- 6 (28°)	11-13 (23°) 11-13 (21°) 11-13 (22°)	212 213	211 211 -	-
SCHERGE CAUSE SERVICE COLUMN 1.0	BEDFORD BIG MEADOWS BLACKSBURG BLACKSTONE CAA AP	94 - - - 96	6-25+ - 6-27	8 - 2 - 13	11-26 12-27	4-15 (22°) 4-16 (23°) 4-15 (19°) 3-19 (23°)	4-22 (25°) 4-22 (26°) 4-22 (26°) 4-15 (28°)	4-22 (25°) 5-8 (29°) 4-22 (26°) 4-16 (31°)	10-27 (32°) 9-25 (29°) 11- 5 (30°) 11- 6 (29°)	11- 6 (25°) 11- 5 (28°) 11- 6 (25°) 11-12 (25°)	11-12 (23°) 11-11 (22°) 11-12 (11°) 11-25 (14°)	211 209 211 251	198 197 198 211	188 140 197
CHAPPING CONSTRUCTS CHAPPING	BUCHANAN BUGGS ISLAND DAM BURKES GARDEN	98 83	6-28+ 5- 5+	9 14 - 3	11-26+ 11-26+ 11-25	4-16 (20°) 3-17 (22°) 4-17 (19°)	4-22 (27°) 4-15 (27°) 4-22 (27°)	4-22 (27°) 4-17 (32°) 4-22 (27°)	11- 6 (26°) 9-25 (30°)	11- 6 (26°) 9-26 (27°)	11-13 (23°) 11-11 (23°)	241 208	205 157	198 203 156 222
CLARATYLIAL 80 6-58 12 12-10 4-16 (25*) 4-17 (25*) 4-1	CHARLOTTE COURT HOUSE CHARLOTTSVILLE 2 W	92 94	6-24+ - 7- 4+	7 - 10	3- 3 - 11-26	4-16 (22°) 4-14 (24°) 4-14 (21°)	4-16 (22°) 4-15 (25°) 4-15 (27°)	4-22 (29°) 4-15 (25°) 4-15 (27°)	10-27 (28°) 11-6 (28°) 11-12 (26°)	10-27 (28°) 11- 6 (28°) 11-12 (26°)	11-13 (19°) 11-13 (23°) 11-26 (10°)	211 213 226	194 205 211	204 188 205 211 203
DALE SITEMPRISES 90 0-24 0 10 1-24 0 10 1-36 18 18 185 DAVILLE CAA AP 97 0-20 1 11-19 3-10 (187) 4-22 (287) 10-22 (287) 10-22 (287) 11-6 (287) 11-12 (287) 211 (287) 2	CLARKSVILLE COLUMBIA CROZET 2 N	98 98	6-26 6-27	11 11	12-19 3- 3+	4-16 (24°) 4-15 (24°) 4-14 (22°)	4-17 (28°) 4-17 (27°) 4-14 (22°)	4-22 (30°) 4-16 (29°)	10-27 (32°) 10-27 (32°)	11- 6 (27°) 11-12 (23°)	11-12 (22°) 11-12 (23°)	211 212	203 212	198 188 194 193
ELINYOOD 7 S	DALE ENTERPRISE DANTE DANVILLE	91 90 97	6-24 5- 6+ 7-20+	6 - 11	12-13 - 12-19	4-16 (19°) 4-16 (23°) 3-5 (22°)	4-22 (28°) 4-22 (28°) 4-16 (25°)	4-22 (28°) 4-22 (28°) 4-17 (32°)	10-27 (31°) 10-13 (32°) 11-6 (28°)	11- 6 (27°) 11- 6 (27°) 11- 6 (28°)	11-12 (19°) 11-12 (20°) 11-13 (22°)	210 210 253	198 198 204	210 188 174 203 204
FLOTON FLOT STREET CONTRIBUTION FLOT STREE	ELKWOOD 7 S EMORY EPISCOPAL HIGH SCHOOL	98 89 94	6-27 6-26 6-24	5 - 2 11	3- 3 11-26 3- 3+	4-14 (22°) 4-14 (22°)	4-17 (26°) 	5- 9 (31°) 4-16 (30°)	10-14 (32°) 11-5 (32°) 11-12 (29°)	10-27 (28°) 11- 6 (24°) 11-13 (28°)	11- 6 (23°) 11- 6 (24°) 11-22 (23°)	206 - 222	193 213	239 158 - 210 198
GGELOSWILLE CAA AP	FLOYD FORT LEE FREDERICKSBURG	97 97	6-27 6-25	- 2 - 6	11-25 - 2-27	4-14 (15°) - 4-16 (23°)	4-16 (28°) 4-14 (26°) 4-16 (23°)	4-21 (30°) 4-22 (31°) 5- 9 (32°)	9-25 (32°) 11- 5 (32°) 10-27 (31°)	11-11 (27°) 11- 6 (28°) 11- 6 (25°)	11-12 (15°) 11-13 (22°) 11-13 (21°)	212	209 206 204	188 157 197 171 167
LINGOLY ALBERTYLLE PILTER PL 94 6-24 3-3 (20°) 4-14 (28°) 1-12 (23°) 11-25 (22°) 11-25 (22°) 120° 22°) 22° 22° 22° 22° 22° 22° 22° 22° 2	GORDONSVILLE CAA AP HALIFAX HOLLAND 1 E	97 96 97	6-27 9-3 6-27	4 9 15	2-27 12-19 12-19	4-17 (24°) 4-7 (22°) 4-14 (24°)	4-17 (24°) 4-16 (26°) 4-16 (26°)	5- 9 (32°) , 4-22 (30°) , 4-22 (29°)	10-14 (32°) 11- 6 (27°) 11- 6 (28°)	11- 6 (23°) 11- 6 (27°) 11- 6 (28°)	11-6 (23°) 11-12 (24°) 11-26 (19°)	203 219 226	203 204 204	198 158 198 198, 205
LOUISA 100 6-27 9 12-28 4-15 (20°) 4-16 (28°) 4-23 (31°) 10-27 (31°) 11-6 (28°) 11-12 (21°) 221 204 188 LYNCHIBG WE AP 93 6-24 6 12-13 4-16 (20°) 4-16 (28°) 4-23 (31°) 10-27 (31°) 11-6 (28°) 11-12 (21°) 210 188 188 LYNCHIBG WE AP MARTINSYILE FILTER PL 94 6-24 5 11-27 4-17 (24°) 4-22 (27°) 4-22 (25°) 4-22 (25°) 11-6 (28°) 11-12 (27°) 11-23 (11°) 253 210 MARTINSYILE FILTER PL 95 6-24 5 11-12 (24°) 4-16 (22°) 4-16 (22°) 4-22 (25°) 4-22 (25°) 11-6 (28°) 11-12 (27°) 11-6 (28°) 11-12 (28°) 12-6 (28°) 11-12 (28°) 12-6 (28°) 11-12 (28°) 12-6 (28°) 11-12 (28°) 12-6	LANGLEY AIR FORCE BASE LAWRENCEVILLE LEE EXPERIMENTAL FOREST	97	6-24	=	- -	3- 3 (20°) - -	4-14 (28°)	4-14 (28°)	11-22 (32°) 11-6 (26°) 11-12 (24°)	11-25 (22°) 11-6 (26°) 11-12 (24°)	11-25 (22°) 11-13 (21°) 11-12 (24°)	267 - -	225	187 222 - 198
MATERES 1 SSW	LOUISA LURAY LYNCHBURG WB AP	100 93	6-27 6-24	9	12-28 12-13	4-15 (20°) 4-16 (20°)	4-16 (28°) 4-22 (27°) 4-16 (28°)	4-22 (31°) 5-21 (32°)	9-24 (32°) 11- 6 (29°)	11- 6 (28°) 11- 6 (25°) 11-12 (27°)	11-12 (21°) 11-12 (17°) 11-25 (11°)	211 210 253	204 198	188 126 204
MODEY WARTHER 4 3 3 3 4 16 (23°) 4 10 (23°) 4 11 11 (20°) 11 12 (20°) 11 12 (20°) 11 12 (20°) 11 12 (20°) 12 10 (20°) 10 10 10 (20°) 10 1	MATHEWS 1 SSW MONS MONTEBELLO	85 85	6-27 5- 6+	1 0	- 11-26 11-26	4-16 (23°) 4-16 (21°)	4-21 (25°) 4-16 (21°)	4-22 (31°) 4-21 (30°)	11- 6 (29°) 11- 5 (31°) 11- 5 (30°)	11-11 (26°) 11-6 (28°)	11-22 (23°) 11-12 (20°) 11-12 (18°)	210 210	204 204	198 197 198 126
ONLEY I S 96 6-27 16 12-20 3-4 (21°) 4-1 (28°) 4-17 (32°) 11-6 (30°) 11-14 (28°) 11-26 (20°) 267 227 200 187 187 187 189 189 189 189 189 189 189 189 189 189	MOUNT WEATHER NEW CANTON NEWPORT NEWS	96 99	6-27 6-25	4 7 20	3- 3+ 12-21 11-26+	4-16 (23°) 4-16 (24°) 3- 4 (22°)	4-16 (23°) 4-17 (25°) 3-18 (28°)	4-16 (23°) 4-22 (30°) 4-14 (29°)	11- 6 (32°) 11- 6 (24°) 11-21 (30°)	11-12 (20°) 11- 6 (24°) 11-25 (24°)	11-12 (20°) 11- 6 (24°) 11-25 (24°)	210 204 266	210 203 252	157 204 198 221 215
QUANTICO 1 S 97 6-24 10 3-3+ 4-14 (24°) 4-16 (30°) 11-5 (32°) 11-13 (26°) 11-22 (21°) 222 213 200 RICHMOND WB AP 100 6-27 16 11-25+ 3-17 (22°) 4-14 (27°) 4-15 (31°) 11-6 (31°) 11-25 (16°) 11-25 (16°) 253 225 205 RICHMOND WB CITY 99 6-27 16 11-25+ 3-17 (23°) 4-16 (26°) 4-15 (31°) 11-6 (31°) 11-25 (16°) 11-25 (16°) 253 225 205 ROANOKE 92 6-26 9 11-25 3-15 (23°) 4-16 (26°) 4-22 (31°) 11-6 (31°) 11-25 (32°) 11-12 (23°) 242 210 188 209 200 ROKKY KNOB 83 5-5 0 11-25 4-15 (16°) 4-16 (28°) 4-21 (28°) 4-17 (32°) 11-5 (32°) 11-10 (23°) 11-12 (24°) 238 209 200 ROKKY WOUNT 5-7 3-6 (20°) 4-16 (26°) 4-22 (30°) 11-6 (28°) 11-5 (28°) 11-12 (21°) 11-12 (21°) 226 204 188 204 209 200 ROKKYWOUNT 5 3-6 (20°) 4-16 (26°) 4-22 (30°) 11-6 (28°) 11-6 (28°) 11-12 (21°) 226 204 188 209 200 ROKKY WOUNT 5 3-20 (24°) 5 3-20 (24°) 5 3-20 (24°) 5 3-20 (24°) 5 3-20 (24°) 5 3-20 (24°) 5 3-20 (24°) 5	ONLEY 1 S PENNINGTON GAP 1 W PHILPOTT DAM	96 90	6-27 6-27	16 3	12-20 11-25	3- 4 (21°) 4-14 (24°) 4-17 (20°)	4-1 (28°) 4-16 (25°) 4-24 (26°)	4-17 (32°) 4-22 (30°) 4-24 (26°)	11- 6 (30°) 10-26 (32°)	11-14 (28°) 11- 6 (25°)	11-26 (20°) 11-12 (20°)	267 212	227 204	225 203 187 204
ROCKY KNOB 83 5-5 0 11-25 4-15 (16°) 4-21 (28°) 4-21 (28°) 11-5 (38°) 11-11 (27°) 11-12 (24°) 238 209 200 200 200 200 200 200 200 200 200	PULASKI CAA AP QUANTICO 1 S RICHMOND WB AP	87 97 100	5- 5+ 6-24 6-27	10 14	3- 3+ 12-19	4-14 (24°) 3-17 (22°)	4-17 (28°) 4-14 (24°) 4-14 (26°)	4-22 (31°.) 4-16 (30°) 4-15 (31°)	11- 5 (32°) 11- 6 (30°)	11-13 (26°) 11-12 (28°)	11-22 (21°) 11-25 (18°)	222 253	213 212	197 203 205 205
STUART 91 6-25 8 11-26 4-15 (21°) 4-16 (25°) 4-22 (31°) 10-17 (32°) 11-12 (21°) 11-12 (21°) 211 210 175 175 175 175 175 175 175 175 175 175	ROANOKE WB AP ROCKY KNOB ROCKYMOUNT	92 83	6-26 5- 5	0 -	11-25 11-25 -	3-19 (24°) 4-15 (16°) 3-6 (20°)	4-16 (27°) 4-21 (28°)	4-17 (32°) 4-21 (28°)	11- 5 (32°) 11- 5 (28°)	11-11 (27°) 11- 5 (28°)	11-12 (24°) 11-11 (24°)	238 210 -	209 198	198 202 198 -
WASHINGTON WE CITY DC 95 6-24 14 12-27 4-14 (24°) 4-16 (25°) 4-17 (30°) 10-27 (32°) 11-12 (25°) 11-12 (25°) 11-13 (21°) 213 210 195 WASHINGTON WE NAT AP 96 6-24 15 13 3-14 4-14 (24°) 4-14 (24°) 4-15 (31°) 11-12 (31°) 11-22 (28°) 11-125 (18°) 225 222 211 WASHINGTON WE NAT AP 96 6-24 15 3-3+ 4-14 (24°) 4-14 (24°) 4-15 (32°) 11-12 (30°) 11-22 (27°) 11-25 (18°) 225 222 211 WATERFORD 87 6-21 10 12-28 4-15 (22°) 4-16 (32°) 11-12 (30°) 11-12 (27°) 11-13 (24°) 225 222 211 WATERFORD 98 6-24 12 12-27 4-14 (22°) 4-15 (22°) 4-16 (31°) 11-6 (32°) 11-13 (26°) 11-12 (24°) 222 212 214 WATERFORD 98 6-27 3-20 (24°) 4-16 (32°) 4-16 (31°) 11-6 (32°) 11-13 (26°) 11-12 (24°) 222 212 200 WILLIAMSBURG 2 NW 96 6-27 3-20 (24°) 4-16 (28°) 5-9 (32°) 10-27 (32°) 11-6 (27°) 11-13 (22°) 238 204 177 11-15 (28°)	STAUNTON D & B INST STUART SUFFOLK LAKE KILBY	91 98	5~ 6+	8 14	11-25 12-19	4-15 (21°) 4-16 (24°) 4-14 (24°)	4-16 (24°) 4-16 (27°)	4-22 (31°) 4-22 (32°) 4-22 (29°)	11- 5 (32°) 11- 6 (29°)	11~ 6 (27°) 11~12 (28°)	11-12 (22°) 11-22 (24°)	210 222	204 210	178 197 198 156
WAVERLY HILLS 94 6-24 12 12-27 4-14 (22°) 4-15 (28°) 4-16 (31°) 11-6 (32°) 11-13 (26°) 11-22 (24°) 222 212 204 WINCHESTER RESEARCH LAB 92 6-97 3-20 (24°) 4-16 (28°) 5-9 (32°) 10-27 (32°) 11-16 (27°) 11-13 (22°) 238 204 173 WINCHESTER RESEARCH LAB 92 6-9+ 4 12-28 4-14 (18°) 4-22 (28°) 4-22 (28°) 10-27 (32°) 11-12 (24°) 11-12 (24°) 212 204 188	URBANNA WB CITY WALKERTON WASHINGTON WB CITY DC	99 102 95	6-27 6-27 6-24	14 9 14	2-27+ 2-27 12-27	4-14 (24°) 4-14 (24°)	4-14 (27°) 4-16 (25°) 4-14 (24°)	4-17 (30°) 4-15 (31°)	10-27 (32°) 11-12 (31°)	11-12 (25°) 11-22 (28°)	11-22 (24°) 11-13 (21°) 11-25 (18°)	257 213 225	213 210 222	167 204 193 211 211
WOODSTOCK 93 6-24 9 3- 3+ 4-16 (24°) 4-16 (24°) 4-22 (31°) 10-27 (31°) 11- 6 (28°) 11-12 (21°) 210 204 188	WAVERLY HILLS WILLIAMSBURG 2 NW	94 96	6-24 6-27	12	12-27	4-14 (22°) 3-20 (24°) 4-14 (18°)	4-15 (28°) 4-16 (28°)	4-16 (31°) 5- 9 (32°)	11- 6 (32°) 10-27 (32°)	11-13 (26°) 11-6 (27°)	11-22 (24°) 11-13 (22°) 11-12 (24°)	222 238 212	212 204	194 204 171 188 188
WYTHEVILLE 88 6-26 2 11-26 4-15 (23°) 4-15 (23°) 4-22 (30°) - 11-10 (25°) 11-11 (23°) 210 209 -	WYTHEVILLE	88	6-26	2	11-26	4-15 (23°)	4-15 (23°)	4-22 (30°)	-	11-10 (25°)	11-11 (23°)	210	209	-

TOTAL EVAPORATION AND WIND MOVEMENT

VIRGINIA

Table

Table 4							-								
Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
HOLLAND 1 E	EVAP					5.44B	7.60 1735	6.39B 1302	5.81						

STATION INDEX

		1	1	1		1	v	ars of			,	• • } [INDEX		1		1		1			T	1950
Station	Index No.	County	Drainage ‡	Latitude	Longitude	Elevation		Precip.	or o	Worth Hong	Refer		Station	Index No.	County	Drainage ‡	Latitude .	Longitude	Elevation		Precip. prop	Opened during Wood Worth	yr. Refer
ABINGDON AFTON BOXWOOD GARDENS ALEXANDRIA POTOMAC YARDS -ALTAYISTA -AMISSVILLE	0055		29 35	36 42 38 02 38 49 37 06 38 41	82 00 78 50 77 03 79 18 78 01	1250 20	13	9 20 13 5			2 2 1 2,3 2		LYNCHBURG WB AIRPORT TMANASSAS MARION MARSHALL MARTINSVILLE FILTER PLANT	5120 5213 5266 5289 5300	PR. WILLIAM	26 14 33	37 20 38 45 36 51 38 52 36 42	79 12 77 28 81 31 77 53 79 53	2200 575	79: 3	79 34 44 5 20		1 2 3 1 2 3 2 2 1 2 3
ANNANDALE APPONATIOX ASHLAND TAUGUSTA SPHINGS 2 SW BAILEYS CROSS ROADS	0243 0327 0357 0403	AUGUSTA FAIRFAX	16 9 6 29	38 49 37 21 37 46 38 05 38 51	77 12 78 50 77 29 79 21 77 08	825 220 1550 255	38	12 38 9 1	AUG	,	1 2 3 2 1 2 3 2 1 2 3		MATHEWS 1 SSW MC GAREYSVILLE 3 S MEADOWS OF DAN 5 SW MENDOTA MONS	5338 5423 5453 5501 5677	BOCKINGHAM PATRICK WASHINGTON HEDFORD	38 13 14	37 25 38 21 36 40 36 42 37 27	76 20 78 44 80 27 82 18 79 37	1080	5	1 9 1 43 5	NOV	1 2 3 2 2 2 1 2 3
BALCONY FALLS BARCROFT BEDYORD BERRYVILLE BIG KNOB	0449 0551 0670 0712	ROCKBRIDGE ARLINGTON BEDFOR D CLARKE SCOTT	29 27 38 14	37 38 38 52 37 20 39 09 36 40	79 27 77 06 79 32 77 59 82 30	950 580 3150	3 4 22	19 4 36 8 15	-	AUG	1 2 3 2 2		MONTEBELLO FISH NURSERY MONTEBELLO FISH NURSERY MOORES CREEK DAM MOUNT JACKSON	5685 5690 5698 5729 5822	NELSON HIGHLAND ROCKBRIDGE SHENANDOAH	29 20 38	37 54 37 51 38 25 37 45 38 50	79 06 79 07 79 36 79 38 78 39	2700 2950 1780 1050	9	13 8 25 15 13		1 2 3 2 1 2 3 2 1 2 3
BIG MEADOWS BLACKSBURG BLACKSTONE CAA AIRPORT BOWLING GREEN BREWO BLUFF	0765 0773 0937 0993	MADISON MONTGOMERY NOTTOWAY CAROLINE FLUVANNA	23 25 19 16	38 31 37 15 37 04 38 03 37 42	78 26 80 25 77 57 77 21 78 18 82 10	225	15 58 5 1	15 58 5 1 10	MAR		1 2 3 1 2 3 1 2 3 1 2 3 2 2		MOUNT WEATHER NATURAL BRIDGE STATION NEW CANTON NEW CASTLE NEWPORT NEWPORT NEWS	5851 5941 6004 6012 6046	BUCKINGHAM CRAIG GILES	16 16 11 23	39 04 37 35 37 42 37 30 37 19	77 54 79 31 78 18 80 06 80 31	300 1300 1900	46 55	47 8 57 13 5		1 2 3 2 1 2 3 2 2
BRISTOL NE BRISTOL NE BROOENEAL BUCHANAN FBUCKINGHAM 1 E BUENA VISTA	1047 1082 1121	WASHINGTON WASHINGTON CAMPBELL BOTETOURT BUCKINGHAM ROCKBRIDGE	14 35 16 39	36 36 36 37 37 03 37 32 37 33 37 44	82 10 78 57 79 41 78 32 79 21	1920 500 875	32	17 2 1 49 15	SEP	т	1 2 3		NEWFOLK WE AIRPORT NORFOLK WE CITY NORFOLK WE CITY NORTH BRISTOL SUBSTATION NORTH RIVER DAM OLINGER	6144 6169	PRINCESS ANNE NORFOLE WASHINGTON AUGUSTA	8 14 38	36 59 36 53 36 51 36 37 38 21	76 26 76 12 76 17 82 11 79 16	25 11 1740 1918	29 5 80	29 5 80 3 .20		1 2 3 1 2 3 1 2 3 2 2
BUGGS ISLAND DAM BURKES GARDEN BYLLESBY †CAMP LEE CAPE HENRY WB CITY	1180 1209 1255	MECKLENBURG TAZEWELL	35 23 23 1	36 36 37 06 36 48 37 14	78 18 81 20 80 55 77 20 76 00	326 3250 2075	3 53 5	3		APE	1 2 3 1 2 3 2 1 2 3		ONLEY 1 S ORANGE 1 SW PEDLAR DAW PENNINGTON GAP 1 W PHILPOTT DAW	6362 6383	ACCOMAC ORANGE AMEERST	24 28 31	36 49 37 41 38 14 37 41 36 46	82 52 75 43 76 06 79 17 83 02	514 800 1386	33 19	16 33 38 16 19		1 2 3 2 2 1 2 3
CAPRON CARDINAL CATAWBA SANATORIUM CHARTILLY CHARLOTTE COURT HOUSE	1383 1471 1570	SOUTHAMPTON MATHEWS ROANOKE FAIRFAX CHARLOTTE	8 7 29 35		77 15 76 22 80 05 77 26 78 38 78 31	10 1900 320	10 3 39 3	10 3 39 3		AUG	1 2 3 1 2 3 1 2 3		PIEDMONT FIELD STATION PILOT POWNHATAN 2 E POOR MOUNTAIN PULASKI	6712 6723 6906 6838	OBANGE MONTGOMERY POWHATAN ROANOKE PULASKI	24 23 16 35	38 13 37 03 37 32 37 12	78 0€	500 2200 350 3960	1 2	9 1 2	ост	1 2 3 1 2 3 1 2 3 1 2 3
CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W CHASE CITY CHATHAM 2 NE CHATHAM SCS	1606 1614 1619	PITTSYLVANIA PITTSYLVANIA	3	38 02 36 48 36 50 36 45	78 31 78 30 78 28 79 22 79 25 75 58	540 700 852	3 27	74 3 27			1 2 3 2 1 2 3 1 2 3		PULASKI CAA AIRPORT QUANTICO 1 S RADPORD RANDOLPH BAPIDAN	7004 7025 7033	PULASEI PR. WILLIAM MONTGOMERY CHARLOTTE ORANGE	23 35 32	37 05 38 30 37 05 36 54 38 18	78 43 78 04	12 1855 334 300	12 50	12 46 45 45		1 2 3 1 2 3 2 2
CHERITON CHINCOTEAGUE CHURCHVILLE CLARENDON LYON PARK CLARESVILLE CLEVELAND	1683 1708 1729	NGRTHAMPTON ACCOMAC AUGUSTA ARLINGTON MECKLENBURG RUSSELL	38 29 35	36 38 36 57	75 26 79 10 77 05 78 24 82 09	26 1475 225 286	31	23 9 23 59			1 2 3		RICHMOND WB AIRPORT RICHMOND WB CITY RIVERTON ROAROKE ROANOKE WB AIRPORT ROCKFISH	7206 7254 7275 7285	HENRICO HENRICO WARREN ROANOKE BOANOKE NELSON	16 16 38 35	37 30 37 32 38 57 37 16 37 19	77 20 77 25 78 11 79 56 79 58	162 500 907	13 70 43 16	13 79 20 56		1 2 3 1 2 3 2 1 2 3 1 2 3
CLIPTON FORGE CLINCHPORT COLUMBIA CONCORD 5 S COOTES STORE	1801 1816 1929 1955 1986	ALLEGHANY SCOTT FLUVANNA CAMPBELL ROCKINGHAM	15 10 16	37 49 36 40 37 46	79 50 82 45 78 09	1055 1260 300 650 1050	48	26 55 52 1 8	SEP	т	1 2 3 2 2 2 2 2		ROCKYMOUNT ROSE HILL SALTYILLE SALTYILLE ALKALI FORKS	7330 7338 7372 7501	FLOYD FRANKLIN	18 35 10	37 48 36 51 37 00 36 40 36 53 36 53	78 46 80 22 79 54 83 22 81 46 81 46	3100 1132 1475	9 57	13 9 57 17	-	1 2 3 1 2 3 2 2
COPPER HILL COVINGTON CROZET 2 N CULPEPER DAHLGREN PROVING GROUNDS	2041 2138 2155 2195	PLOYD ALLEGHANY ALBERMARLE CULPEPER KING GEORGE	32 29	38 38 37 05 37 48 38 05 38 29 38 29	80 08 80 00 78 42 77 59 77 02 78 56	1245 750 475	8 41 31	10 13 8 43 31 70			1 2 3 1 2 3 1 2 3 .		SALUDA SLATE SMITHFIELD SOMEHSET SPEEDWELL	7843 7864 7904	MIODLESEK BUCHANAN ISLE OF WIGHT ORANGE WYTHE	33 17 16 32	37 36	76 36 81 56 76 38 78 15 81 10	107 1550 37	32	34 9 9 9 9		1 2 3 1 2 3 2 2 2
DALE ENTERPRISE DAMASCUS DANTE DANYILLE DANYILLE DANYILLE CAA AIRPORT	2208 2216 2237 2245 2250	WASHINGTON RUSSELL PITTSYLVANIA PITTSYLVANIA	14 10 13	38 27 36 38 36 59 36 36 36 34	78 56 81 48 82 18 79 23 79 20 82 30	1950 1765 580 590	32 33 7	70 24 33 60 7			1 2 3 1 2 3 1 2 3 1 2 3		STONY CREEK	8046 8054 8062 8129	SUSSEX	10 38 16	37 01 39 05 37 38 38 09 36 57	81 39 78 26 77 51 79 04 77 24	2340 950 185	58	15 8 12 64		2 2 2 2 1 2 3
DARWIN DAYEMPORT †DEERFIELD 2 NE †DELAPLANE 1 N DIAMOND SPRINGS DRIVER 5 NE	2264 2269 2313 2326 2368 2504	AUGUSTA FAUQUIER	37 6 29	37 05 37 07 38 13 38 55 36 54 36 52	79 22 77 56 76 12 76 30	1600 1800 '500 25	42	9 24 9 42			2 2 2 1 2 3		STUARTS DRAFT SUFFOLK LAKE KILBY SUGAR GROVE SUKRY 3 S SWORDS CREEK	8172 8192 8200 8241	SMYTH SURRY	41 38 22 14 4	36 38 38 00 36 44 36 46 37 05	80 16 79 03 76 36 81 24 76 52	1350 1450 23 2680	26 4 11	26 2 4	AUG	1 2 3 1 2 3 1 2 3
DUMBAR DUNGANNON ELKWOGD 7 S EMORY BMPORIA 1 WNW	2538 2548 2729 2782 2790	SCOTT CULPEPER	10 10 33 14	36 58 36 50 38 26 36 46 36 41	82 45 82 26 77 46 81 51 77 33	2000 2500 314 2205	10 25	16 16 10 26 20			1 2 3 1 2 3 2		TAZEMELL TTIMBERVILLE 2 N TROUT DALE TYE RIVER URBANNA WE CITY	8354 8448 8547 8600	RUSSELL TAZEWELL ROCKINGHAM GRAYSON NELSON MIDDLESEX	10 38 23	37 02 37 07 38 40 36 42 37 40	81 55 81 31 78 46 81 26 78 57	2450 1100 3100 551	8	15 16 19 15 12		2 2 1 2 3 2 2
EPISCOPAL HIGH SCHOOL PAIRPAX FALLS CHURCH PARMVILLE FIELDALE	2983	PAIRFAX PRINCE EBWARD HENRY	29 29 29 1 40	38 49 38 51 38 53 37 18 36 43	77 06 77 18 77 11 78 23 79 57	250 440 315 450 760	2 29	7			1 2 3 2 1 2 3 1 2 3 2		VIENNA DUNN LOHING WALKERS CHAPEL WALKERTON WALLACE WALLACETON LAKE DRUMMOND	8737 8821 8829	PAIRFAX ARLINGTON KING & QUEEN WASHINGTON NORPOLK	29 29 19	37 38 38 54 38 55 37 44 36 39 36 37	76 35 77 13 77 08 77 01 82 08 76 26	370 240 40 1885	14	14 2 4 18 15		1 2 3 2 2 1 2 3
FLOYD NO 2 † FORT LES FREDERICKSBURG FREDERICKSBURG FREDERICKSBURG EMBRY PLANT FRONT ROYAL CAA AIRPORT	3072 3127 3192 3197 3231	SPOTSYLVANIA SPOTSYLVANIA WARREN	1 33 33 38	38 18 38 19 39 00	80 19 80 18 77 20 77 28 77 29 78 14	2600 60 100 25 677	18 57 12	1 59	APR		1 2 3 2 1 2 3 1 2 3 2 1 2 3		WASHINGTON VIRGINIA WASHINGTON WB CITY DC WASHINGTON WB NATIONAL AP WATERFORD WAVERLY HILLS WHITE GATE	8902 8904 8906 8915 8938	LOUDOUN ARL INGTON	29 29 29 29	38 43 38 54 38 51 39 11 38 53	78 10 77 03 77 02 77 36 77 07	650 72 14 525 340	10 10 5 4	5 10 10 5 4		2 1 2 3 1 2 3 1 2 3 1 2 3
GALAX GLEN LYN GORDONSVILLE CAA AIRPORT GOSEEN GROSECLOSE GRUNDY	3397 3462 3470 3623	GRAYSON GILES LOUISA ROCKBRIDGE WYTHE BUCHANAN	23 24 6 14	36 40 37 20 38 04 37 59 36 52 37 16	80 49 78 10 79 30 81 20 82 06	1524 438 1300 2590	18 5	9 37 12 11 8			1 2 3 1 2 3 2 2 2		WHITETOP MOUNTAIN WILL, LAMSBURG 2 NW WILL, LAMSBURG WILL, LAMSBURG WILL, LAMSBURG WILL, LAMSBURG WINGRESTER RESEARCH LAR	9094 9146 9151 9159	GILES WASHINGTON JAMES CITY JAMES CITY BATH PREDERICK	16 16	37 12 36 38 37 17 37 16 38 12	76 45 76 42	100 70	55	50 5 10		2 2 1 2 3 2 2
HALIFAX HAYSI HIGE KNOB HILLSYILLE BOG ISLAND LITTLE MACRIPONGO	3690 3862 3959	HALIFAX DICKINSON WISE	3 37 10 23	36 46 37 13 36 54 36 46	78 57 82 18 82 38 80 44 75 41	425 1500	3	20 9 15 8			1 2 3 2 2 2 2		MOODSTOCK	9271 9263	PATRICK SHENANDOAH WYTHE	38	39 11 36 47 38 52 36 58		875	52 47	58 77	SEPT	1 2 3 2 1 2 3 1 2 3
HOLLAND 1 E HOLLAND 1 E HOLSTON HONAKER HONAKER HONAKER HONAKER HOPSWELL	4044 4068 4078 4083	NAMSEMOND WASHINGTON RUSSELL RUSSELL PRINCE GEORGE	14 10 10	37 28 36 41 36 50 37 01 37 03 37 18	76 47 82 05 81 59 82 02 77 18	80 3450 1950 2200	18	18 16 15 16 63	1		1 2 3 4 2 2 2 1 2 3												
HOT SPRINGS HUDDLESTON HURLEY INDEPENDENCE INDIAN VALLEY	41 28 41 48 41 85 4229	1	15 35 42	38 00 37 10 37 26 36 36 36 54	79 50 79 29 82 02 81 07 80 34	2195 985 995 2530	57	59 1 4 10	SEP	7	1 2 3												
JEWELL RIDGE JONESVILLE JONESVILLE 2 SSE JORDAN MINES KERRS CREEK	4404 4446 4448 4452	TAZEWELL LEE LEE ALLEGHANY ROCKBRIDGE	10 10 10	37 11 36 41 36 40 37 41 37 51	81 47 83 06 83 06	2750 1525 1375 1350		16 16 4 9			· 2 2 2 2 2 2												
LANGLEY AIR FORCE BASE LAWRENCEVILLE LEE EXPERIMENTAL FOREST LEESBURG LEXINGTON	4768 4802 4817	SLIZABETH CITY BRUNSWICK BUCKINGHAM LOUDOUN ROCKBRIDGE	21 39	37 04 36 46 37 32 39 07 37 47	76 22 77 51 78 33 77 34 79 26	254 500 321	65 5 9 72	114 5 9 5 79			1 2 3 1 2 3 1 2 3 2 1 2 3												
LINCOLN LOUISA LOVES MILL LURAY LYNCHBURG 7TH ST BRIDGE	5050 5057 5096	LOUDOUN LOUISA WASHINGTON PAGE CAMPBELL	24 14 38	39 07 38 01 36 45 38 40 37 25	77 43 78 00 81 41 78 23 79 09	2060	49 35 9	50 35 16 9			1 2 3 1 2 3 2 1 2 3												

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1-APPOMATTOX; 2-ATLANTIC; 3-BANNISTER; 4-BLACKWATER; 5-BULLPASTURE; 6-CALFPASTURE; 7-CATAWBA; 8-CHESAPEAKE; 9-CHICKABOMINY; 10-CLINCH; 11-CRAIG; 12-CHANESNET; 13-DAN; 14-HOLSTON; 15-JACKSON; 16-JAKES; 17-LEVISA FORK; 18-LITTLE; 19-MATTAPONI; 20-MAURY; 21-MEHERRIN; 22-MANESNOND; 23-NEW; 24-NORTH ANNA; 25-NOTTOWAY; 26-COCCOUNDAN; 27-OTTER; 28-PEDLAR DAM; 29-POTOMAC; 30-POTTS; 31-POWELL; 32-RAPIDAN; 33-RAPPAHANNOCE; 34-RIVANNA; 35-ROANOKE; 36-ROCKFISH; 37-RUSSELL FORK; 38-SHENANDOAH; 39-SLATE; 40-SMITH; 41-SOUTH MAYO; 42-TUG FORK; 43-TUG

CHANCE OF MANES

† Augusta Springs 2 SW Formerly Augusta Springs prior to September
† Buckingham 1 E Formerly Buckingham prior to March
† Deerfield 2 NE Formerly Deerfield prior to September
† Delaplane 1 N Formerly Delaplane prior to May
† Fort Lee Formerly Camp Lee prior to April
† Manassas Formerly Manassas 4 S prior to June
† Spring Creek 2 Formerly Spring Creek prior to November
† Timberville 2 N Formerly Timberville prior to September
† Wytheville Fost Office Building prior to June

REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F; precipitation and evaportation in inches, and wind sovement in miles. Evaporation is measured on the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by foot note following Table 4.

The four digit identification numbers in the Index are assigned on a state basis. There will be no duplication of numbers within a state. Figures and letters following the station name, such as (2 SSW) indicates distance in miles and direction from the Post Office.

Delayed data and corrections will be carried only in the June and December issues of Climatological Data.

-	No record.
+	Also later date (dates) or months.
	Amount included in following measureme
//	Gage is equipped with windshield.
В	Adjusted to full month.
E	Water equivalent of snowfall wholly or
	partially estimated, using a ratio of
	1 inch water equivalent to every 10
	inches of new snowfall.
M	1 to 9 days' record missing; see
_	monthly Climatological Data for de-
	tailed daily record.
R	Station equipped with a recording
	gage only,
. T	Trace, an amount too small to measure.

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W.R.P.C., Chattanooga, Tenn. --- 5/3/51 --- 1025