

U. S. DEPARTMENT OF COMMERCE
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CLIMATOLOGICAL DATA

VIRGINIA

ANNUAL SUMMARY 1954

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ASHEVILLE: 1955

VIRGINIA - 1954

WEATHER SUMMARY

GENERAL

The weather story of 1954 contains many and varied chapters, but the violence and destruction brought about by "Hazel" make that storm by far the most outstanding feature of the year. Prolonged drought, particularly in some sections, had been the main topic for discussion, but "Hazel" quickly stole the show and in a few short hours wrought more havoc than did several months of deficient rainfall. Of more than passing interest was the almost total lack of flooding, and the small number of destructive local storms that were experienced.

TEMPERATURE

Spring seemed to be in a hurry to arrive, only to suffer an apparent case of stage-fright and back off to gain impetus for another try. January, March, and May were near or below normal, with May being particularly cold for the time of year. Both February and April were more than 5° warmer than the long-term average. The highest average temperature for the year was 61.2° at Hopewell, while the lowest was 48.6° at Big Meadows. The highest maximum temperature recorded was a sizzling 110° at Balcony Falls on July 15th. At the other end of the scale, Berryville registered -11° on January 18th for the lowest minimum of the year. Danville had the most days with temperature 90° or above, 83, Chilhowie 1 S and Mount Weather, each with 143, tied for the most days 32° or below; 8 stations reported temperatures 0° or below, Burkes Garden having the most with 3; and Monterey had 28 days when the temperature failed to climb above freezing, to lead in that respect.

The year began in routine fashion, but February averaged 5.6° above the long-term figure and was the eighth warmest of record. March was slightly cooler than usual, but April was 5.1° warmer than the long-term average and established a new record for warmth for the month. The old 1941 record of 58.7° was bettered by 1.2°. May was quite cold for the time of year and was the sixth coldest of record. The summer and early fall months were hotter than usual, particularly September and October. The 110° maximum in July tied with the reading of July 5, 1900 for the all-time high for the State. The September maximum of 107° tied with 1895 for second high for the month, 108° having been recorded in 1932. The 100° maximum in October was second high for the month, 101° having occurred in 1941. The rather sudden switch from well above to well below average made November seem even colder than it actually was, and December continued to be colder than usual.

PRECIPITATION

As can be seen from the isohyetal map which follows this summary, precipitation was quite spotty over the State. Serious

drought conditions prevailed over the southern portion of the Great Valley Division during much of the year, and rainfall was generally deficient over the extreme northeast portion of the Tidewater Division. The middle third of the Great Valley Division and the extreme southwestern part of the Middle Division received the most generous amounts. The greatest annual total, 58.06 inches, was measured at Woolwine 4 S, while the smallest, 26.78 inches, was recorded at Fairfax. "Hazel" thoroughly drenched Big Meadows with 10.71 inches on October 15th, the greatest 24-hour amount reported. Damascus had the most days with 0.10 inch or more with 95, while Piedmont Field Station had the fewest with 57. Pulaski CAA Airport had the most days with 1.00 or more with 22.

The first five months of the year were alternately above and below the long-term averages, but for the most part rainfall was adequate. Some stations in the extreme western portion, however, had deficient rainfall throughout this period. Rainfall was below the usual expectancy over most parts of the State for the next four months, but particularly so in June and September. The June average of 2.12 inches was the second lowest ever recorded for the month, 2.11 having occurred in 1926. Several Septembers have had less rainfall, but prolonged deficient rainfall for the preceding three months made this year's dryness of greater significance. The last three months of the year produced ample rainfall, especially October, and served to alleviate the critical moisture situation in practically all sections.

SNOWFALL

Snowfall for the year averaged only about three-fourths of the normal expectancy, January being the only month with fairly heavy amounts. Big Meadows, with 39.0 inches, had the greatest reported total, while 1.5 inches at Altavista was least. The greatest reported depth on the ground was 13 inches at New Canton on January 23rd. The January snows, while fairly heavy, were spaced so that interruptions to the flow of traffic were both infrequent and of brief duration. The February average of only 0.2 inch was the second smallest of record, only a trace having been recorded in 1925. Late spring and early winter snows were of but little consequence.

FLOODS

Throughout the year floods were conspicuous by their absence. Even "Hazel" was able to produce only temporary - though sharp - rises, and some minor lowland flooding. Rather than high water worries, most sections found streams at near record lows during the latter part of the drought, and some small streams dried up completely. At the end of the year prolonged rains produced some minor lowland flooding in the lower reaches of the James River.

WEATHER SUMMARY (Continued)

UNUSUAL PHENOMENA

Of chief importance was the northward passage over the eastern portion of the State of a hurricane called "Hazel". The usual severe summertime storms paled into insignificance when compared to the destruction wrought by the "BIG" storm. There were no reports of severe local storms until May, and even then thunderstorm activity was below the usual expectations for the month. June, too, produced fewer than the usual number of thunderstorms, but a rather severe storm made its way across the northern half of the State on June 26th. A minor tornado was reported in the vicinity of Rappahannock. Wind damage was widespread, and there was minor hail and lightning damage. The three months, July through September, were singularly free from severe storms, though there was considerable local thunderstorm activity. The only storms of consequence were a small tornado in Halifax County on August 15th and tornadic winds in the vicinity of Norfolk on August 5th. On October 15th, "Hazel" ripped its way northward across the eastern portion of the State. Property damage was estimated at "millions upon millions of dollars". There were 13 deaths attributable to the storm, and "many" injuries, mostly minor. Communication lines suffered a major blow, mostly from fallen trees, Shenandoah Valley turkey growers lost between 150 and 250 thousand birds, and marine losses ran high. A more detailed description of this vicious storm can be found in the October 1954 issues of this publication and "Climatological Data, National Summary". Old Man Weather evidently had given his all with "Hazel", for there was no further severe storm activity. Two more lives were lost, however, on November 6 along the James River near Smithfield, when a fishing party became lost in darkness during strong winds and rain that later turned to snow. Death was due to exposure; one other member of the party was hospitalized, but survived.

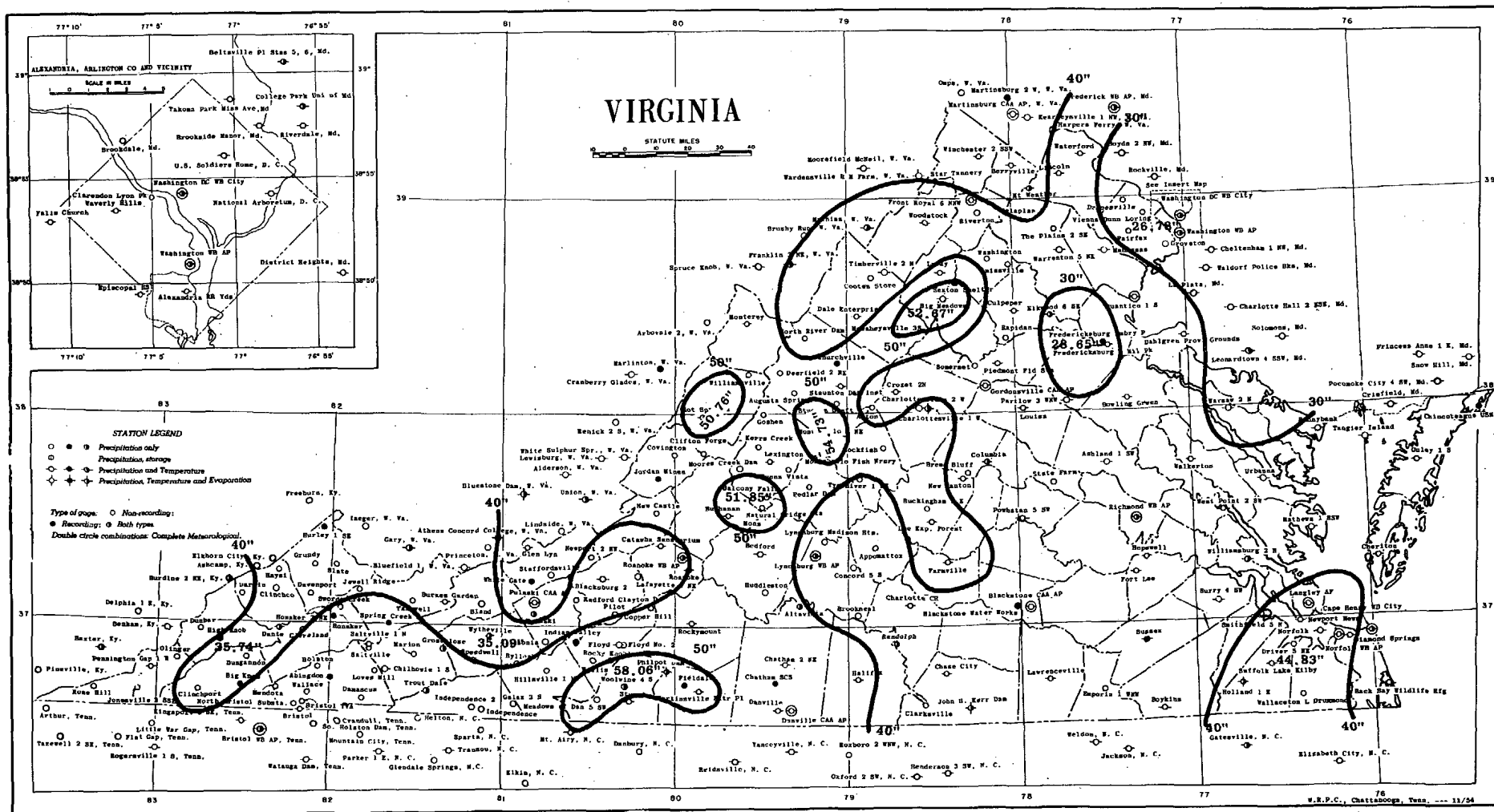
CROPS

The January rains were beneficial to small

grain fields and brought some pasture improvement, but served to delay soil preparation the last half of the month. February was unusually favorable for outdoor work, and by the end of the month plowing was well ahead of schedule. Practically all flue-cured tobacco had been planted by the end of the month, and orchard pruning was well advanced. March continued to be favorable, though heavy rains early in the month delayed outdoor work. Seasonal temperatures held back the peach bloom, and apples continued dormant. April was favorable for continued good growth. The freeze of the 5th caught peaches in full bloom in central areas and commercial orchards in Albemarle, Madison, and part of Nelson Counties were severely damaged. Wet and unseasonably cool weather in May were especially detrimental to cotton and peanuts, and served to delay planting. Crops already planted made but little progress. Pasture land, as well as commercial potatoes, cabbage, and peas fared well, but most other crops were retarded. Lack of rain in June had a detrimental effect on most areas, pastures being hardest hit. Extension of the drought in July and August saw more and more farmers forced to feed stock on hay and silage. Some areas received reasonably adequate rainfall, however, and prospects were much better in those sections. September was a good harvesting month, and much progress was made. Fall plowing and seeding of small grain made good progress, except in the severe drought area. A good crop of apples matured and harvesting was very active during late September and early October. "Hazel" resulted in substantial loss to apples through bruising and windfall, but a good portion of the damaged fruit was salvaged. Crop yields varied greatly, ranging from poor in the severe drought area to good in sections fortunate enough to receive more adequate rainfall. Pastures showed improvement and winter grains were in fair to good condition at the end of the year.

Details of each month's weather may be found in the individual monthly issues of this publication. - V. D. Steves

ANNUAL PRECIPITATION, 1954



AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

VIRGINIA
1954

Table 1

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	
ALEXANDRIA POTOMAC YDS	37.8		45.1		46.8		51.0		63.4		75.5		79.4		76.8		74.1		62.3		47.0		38.1		38.2		
ASHLAND 1 SW	38.2	1.7	45.0		47.7		51.6		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
BACK BAY WILDLIFE RFB	39.2		47.1		49.9		50.4		60.4		75.1		79.9		78.0		73.6		65.4		50.5		40.8		35.7		
BALCONY FALLS	35.9		40.9		44.7		59.8		60.0		72.0		75.9		74.1		69.6		57.8		41.9		35.5		35.7		
BEDFORD	38.6	2.7	44.6		47.2		51.0		5.1	61.4		73.1		76.1		74.7		70.3		59.4		44.1		34.2		37.3	
BERRYVILLE	31.6		38.5		40.7		56.0		57.4		69.4		72.7		71.3		67.6		56.7		41.1		33.7		33.0		
BIG MEADOWS	30.3	1.6	35.1		37.2		53.4		7.4	52.9		63.9		68.3		65.4		63.5		49.2		35.9		27.7		48.6	
BLACKSBURG 2	35.1		39.5		40.9		56.3		56.3		68.7		73.2		71.6		67.1		56.3		39.6		32.1		33.1		
BLACKSTONE CAA AP	38.7		45.4		47.1		51.4		62.4		73.9		78.0		76.8		74.7		62.0		45.9		36.0		36.7		
BOWLING GREEN	39.6		46.7		49.2		52.1		63.1		74.6		78.0		76.7		74.9		63.8		48.3		39.0		39.7		
BOYKINS							63.2		64.4		75.3		77.5		76.3		72.9		60.6		45.7		39.8		37.1		
BRISTOL	39.5	5.2	45.4		47.7		51.0		60.2		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
BUCHANAN	38.5	1.8	44.2		46.3		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CROZES GARDEN	33.7	1.5	36.2		38.7		48.4		6.3	49.9		72.2		63.9		68.5		66.3		52.6		37.9		29.9		49.3	
CAPE HENRY WB CITY	42.4		46.7		48.7		60.5		64.9		75.1		77.8		75.1		74.7		70.3		59.4		44.1		34.2		
CAPRON	42.2	3.9	48.5		49.9		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CATAWBA SANATORIUM	36.9		43.2		44.3		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CHANTILLY	33.9		41.4		42.3		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CHARLOTTE COURT HOUSE	38.3		43.6		46.6		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CHARLOTTESVILLE 2 W	36.8		44.0		46.3		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CHARLOTTESVILLE 1 W	37.8		43.7		45.7		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CHASE CITY	40.9		47.0		49.4		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CHATHAM 2 NE	38.3	-1.1	46.1		47.1		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CHEAITION			46.2		48.9		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CHILHOWIE 1 S	36.5		39.2		40.8		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CLARKSVILLE	39.5	2.0	44.8		45.3		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
COLUMBIA	37.0		41.3		45.7		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CROZET 2 N	37.1		44.4		46.2		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
CULPEPER	35.3		43.0		44.2		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
DAHLGREN PROV GROUND	36.2		43.5		44.9		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
DALE ENTERPRISE	33.7		40.7		42.2		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
DANTE	34.8	-1.3	39.2		44.0		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
DANVILLE	40.8		46.6		49.3		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
DANVILLE CAA AP	39.7		45.8		47.8		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
DIAMOND SPRINGS	43.1		48.0		49.3		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
ELKWOOD 6 SE	35.8		42.6		44.8		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
EPISCOPAL HIGH SCHOOL	36.7		44.0		45.9		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
FALLS CHURCH	34.6		42.2		43.6		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
FARMVILLE	39.5	1.2	44.6		47.9		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
FLOYD	36.5	1.7	41.3		43.2		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
FORT LEE	39.0		46.5		47.5		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
FREDERICKSBURG	36.0		42.1		44.1		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
FRONT ROYAL 6 NNW	32.5		39.1		41.1		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
GLEN LYN	38.0	1.8	43.4		45.1		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
GORDONSVILLE CAA AP	35.4		40.4		43.7		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
HALIFAX	39.7		45.2		48.9		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
HOLLAND 1 E	39.1	-2.2	45.3		44.8		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
HOPKINS	34.1		40.4		41.1		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
HOT SPRINGS	33.6	1.9	38.0		40.4		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
JOHN H KERR DAM	38.2		44.2		48.2		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
LANGLEY AIR FORCE BASE	41.3		46.9		49.4		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
LAWRENCEVILLE	41.3		46.4		49.6		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
LEE EXP FOREST							51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7		38.1		38.2		
LEXINGTON	37.9	3.5	43.9		46.4		51.0		59.9		72.9		76.0		75.4		73.7		62.3		45.7						

Table 2

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1954

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual			
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure		
ABINGDON	6.93		1.09		4.79		3.13		3.64		2.70		4.05		3.08		1.68		1.84		2.54		4.15		39.62			
AFTON BOXWOOD GARDENS	2.71	- .72	2.14	- .04	4.79	1.29	2.33	- .93	3.84	- .01	1.72	-1.69	2.38	-2.42	3.08	-2.50	1.68	-3.09	3.94	- .20	2.54	2.54	4.15	1.51	39.62	- 6.26		
ALEXANDRIA POTOMAC YDS	1.79		.98		3.52		3.87		3.27		1.16		1.39		3.60		.75		3.42		1.82		1.94		E27.53			
ALLISONIA	5.90		1.43		4.44		2.64		2.50		.53		4.83		4.25		1.51		4.51		1.50		3.01		37.11			
ALTAVISTA	5.52		1.25		3.18		1.74		4.08		2.31		4.02		2.99		1.12		6.84		3.95		2.52		39.52			
AMISSVILLE	2.46		1.18		2.90		4.86		3.69		2.29		2.46		5.15		.51		5.68		2.35		3.37		36.93			
APPOMATTOX	2.62		1.63		3.33		2.56		4.00		2.51		2.32		2.81		1.55		4.44		5.40		2.94		36.11			
ASHLAND 1 SW	3.61	.58	1.50	-1.37	2.79	- .70	3.24	- .33	4.69	.84	1.23	-2.91	2.43	-2.29	3.91	- .76	1.02	-2.29	4.07	1.00	2.24	- .05	2.69	- .25	33.42	- 8.53		
BACK BAY WILDLIFE RFG	6.75		1.18		3.01		3.20		4.86		.08		5.15		5.48		1.95		.88		1.91		2.13		36.58			
BALCONY FALLS	3.29	- .53	2.78	.11	5.00	1.45	2.28	-1.09	3.60	- .02	2.56	-1.20	5.28	1.16	5.37	.89	1.92	-1.57	8.73	5.31	6.17	3.25	4.66	1.43	51.85	9.19		
BEDFORD	4.45	1.28	1.80	-1.49	3.60	- .21	1.53	-1.62	4.73	.86	3.55	- .73	5.86	1.64	2.67	-2.28	1.69	-1.64	7.56	4.44	6.42	3.74	3.45	.24	47.31	4.23		
BERRYVILLE	1.49		1.22		3.52		2.15		3.81		3.95		3.89		5.75		1.87		6.90		1.63		3.20		39.38			
BIG KNOB	5.32	2.67	1.20	-2.45	5.04	1.30	3.04	.18	3.64	.97	2.17	- .42	3.97	.77	3.82	.48	1.52	-1.14	1.16	1.05	2.57	- .05	4.32	1.27	39.04	1.10		
BIG MEADOWS	3.54	- .02	1.75	-1.05	7.03	3.52	4.45	.50	5.13	.98	2.91	-1.34	2.28	-3.29	3.02	-2.05	1.32	-3.68	1.32	6.04	2.62	4.07	1.20	37.79	2.73			
BLACKSBURG 2	4.98		.94		3.52		2.22		3.99		1.48		3.98				1.52		4.22				3.61		36.10			
BLACKSTONE CAA AP	4.73		1.76		3.28		3.31		5.54		2.56		1.98		2.86		.67		3.42		2.38		2.62		35.09			
BLAND	4.16		1.71		3.28		3.31		5.54		2.56		1.98		2.86		.67		3.42		2.38		2.62		35.09			
BOWLING GREEN	2.47		1.09		2.94		2.27		4.02		.71		4.87		3.75		.31		4.33		2.10		3.96		37.21			
BOYKINS			4.48		1.74		7.82		1.81		5.09		4.49		1.03		1.53		2.48		3.41		3.41		E31.08			
BREMO BLUFF	3.74		1.66		3.20		3.57		6.21		2.85		2.72		2.03		.55		5.98		2.95		3.32		38.80			
BRISTOL	7.13	4.20	3.30	- .18	4.35	.13	3.66	.70	2.47	- .94	2.00	-2.26	4.31	- .79E	1.55	-2.25	2.45	- .23E	3.90	1.78	2.88	1.4E	4.10	.59	E42.10	.89		
BRISTOL TYA	7.24		1.39		3.47		2.89		2.12		2.49		2.15		1.57		1.88		3.44		2.22		4.14		35.00			
BROOKNEAL	4.35		1.64		3.43		3.52		4.49		1.62		4.31		5.26		1.26		4.82		4.14		2.28		41.12			
BUCHANAN	4.11	.46	1.82	- .90	3.79	.37	1.60	-1.60	3.22	- .24	2.55	-1.78	6.43	2.07	5.49	.68	1.75	-1.40	9.81	6.10	5.17	2.48	4.05	.84	49.80	7.08		
BUCKINGHAM 1 E	4.13		1.46		3.81		4.20		6.56		1.83		2.46		3.32		1.03		5.89		2.57		E 3.13		E40.38			
BUENA VISTA	3.50	.99	2.73	.63	4.78	2.24	2.52	.07	3.19	- .45	3.07	- .12	4.78	.56	3.33	-1.27	1.52	-1.74	6.68	3.68	5.70	3.20	3.87	1.25	45.67	9.10		
BURKES GARDEN	5.48	1.80	1.35	-2.23	4.49	- .14	1.18	-2.42	3.97	- .16	1.03	-3.67	5.29	.67	2.73	-1.69	3.41	.08	3.20	2.25	2.00	- .88	4.83	1.31	38.96	- 7.08		
BYLLESBY	4.87		2.13		4.77		2.48		3.02		1.97		3.20		.87		1.97		3.53		2.64		3.91		35.16			
CAPE HENRY WB CITY	4.70	1.61	1.35	-1.88	4.09	.73	1.70	-1.43	2.76	- .42	.05	-4.00	5.70	.39	6.98	2.50	2.33	-1.38	2.01	- .47	2.14	- .49	2.69	- .31	36.49	- 5.15		
CAPRON	5.75	3.17	1.66	-1.57																								
CATAMBA SANATORIUM	4.07	1.13	1.96	- .83	3.58	2.09	2.58	- .46	3.47	.00	1.58	-3.17	5.45	1.04	3.08	-1.67	1.90	-1.56	6.94	3.27	2.97	.55	4.91	1.89	44.49	2.28		
CHANTILLY	2.34		.92		3.42		3.59		2.69		.56		2.37		2.07		1.35		4.52		3.08		2.28		34.52			
CHARLOTTE COURT HOUSE	5.42		1.48		3.61		3.05		3.75		1.24		2.67		2.07		1.35		4.52		3.08		2.28		34.52			
CHARLOTTESVILLE 2 W	2.75	- .56	1.20	-1.52	2.38		2.15	-1.28	2.91	.57	2.28	-2.85	3.08	-1.14	2.76	-2.57	.62		7.10	3.69	3.75	1.34	1.88	.58	39.48	- 2.65		
CHARLOTTESVILLE 1 W	1.81		1.20		5.40		2.15		2.91		2.06		3.08		2.76		.62		7.10		3.75		5.62		38.46			
CHASE CITY	5.13		1.77		3.83		2.90		4.20		.99		3.26		3.97		1.67		5.69		2.95		2.38		38.83			
CHATHAM 2 NE	5.97	2.29	1.55	-1.37	3.92	.35	2.59	.21	4.48	.86	4.45	.97	3.26	- .30	3.75	-2.52	.57	-3.52	7.11	4.22	3.95	1.08	2.95	- .40	44.51	1.85		
CHESTER	5.24	1.61	2.11	- .91	4.13	.55	2.22	-1.32	4.48	1.41	4.29	-3.14	5.53	.45	3.76	-1.22	4.92	- .05	7.95	3.21	3.79	.05	3.94	.52	39.48	- 3.52		
CHILHOWIE 1 S	6.28		.66		3.92		2.81		4.67		.56		5.70		4.35		.78		2.00		2.36		3.35		37.24			
CLARENDON LYON PARK	2.77	- .53	.97	-1.59	3.51	.51	3.69	.33	3.20	- .57	2.12	-1.55	1.81	-2.12	4.09	- .58	.54	-3.20	3.80	1.10	1.97	- .89	2.68	- .04	31.15	-10.13		
CLARKSVILLE	5.03	1.74	1.35	-2.02	4.41	.75	2.70	- .70	4.83	.96	2.94	-1.29	3.04	-1.16	4.49	- .14	.23	-2.85	4.61	1.86	2.85	.64	2.34	-1.16	38.82	- 3.43		
CLEVELAND	5.24		1.90		4.23		2.43		5.19		2.09		3.74		2.41		1.94		2.35		4.31		3.95		39.35			
CLIFTON FORGE	3.59	.55	2.45	- .55	3.97	.20	3.55	.93	2.52	-1.06	1.65	-1.70	3.23	- .61	5.41	1.41	1.76	-1.00	6.85	3.58	3.57	.81	3.90	1.33	42.51	3.89		
CLINCHCO			1.50		4.20		1.90		4.00		2.90		5.70		3.63		1.04		2.02		1.32		1.03	-1.71	2.59	- .03	4.87	
CLINCHPORT	7.99	3.55	1.51	-2.52	3.81	-1.18	2.76	-1.08	3.24	- .83	1.42	-3.14	4.14	- .83	3.63	-1.04	2.02	-1.32	1.03	-2.12	2.59	- .43	4.87	.25	39.02	-10.18		
COLUMBIA	3.16	- .19	1.41	-1.33	3.14	- .45	2.61	- .86	5.77	2.15	1.38	-2.56	3.37	- .89	2.92	-2.01	.66	-2.29	5.48	1.71	2.31	- .02	3.27	- .78	34.20	- 7.04		
CONCORD 5 S	5.07		1.66		2.39		2.56		3.85		1.78		2.40		2.78		1.17		3.99		2.99		2.99		36.05			
COOTES STORE	2.08		1.73		4.90		2.48		2.74		3.76		2.2															

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1954

Table 2-Continued

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
LYNCHBURG WB AIRPORT	3.84	.41	1.54	-.94	3.14	-.43	2.22	-.91	3.40	-.31	2.72	-1.16	2.32	-1.83	2.00	-2.35	1.47	-1.63	5.89	3.02	3.59	1.22	3.04	-.11	35.17	-4.40
MANASSAS	1.67	-1.45	1.11	-1.98	3.49	.43	2.87	-.18	2.88	-.76	.71	-2.89	3.56	-.25	6.16	1.24	.93	-1.65	3.56	1.05	1.31	-1.06	3.05	.17	53.30	-7.33
MARION	5.63		1.00	4.46			2.59	3.37					6.03		2.29		2.29		3.03		2.62		3.66		37.52	
MARTINSVILLE FILT PL	6.38	2.24	2.11	-1.38	4.71	.38	2.06	-.64	4.11	.40	5.96	1.71	6.36	.16	2.17	-3.12	.84	-1.40	3.04	4.06	3.76	.80	3.97	.40	550.84	3.61
MATHEWS 1 SSW																	3.27		2.54		1.85		4.35			
MEADOWS OF DAN 5 SW	6.39		4.44		5.40		2.84		5.75		3.55		4.77		3.23		1.85		5.69		5.42		5.38		54.71	
MENDOTA	7.76	3.57	1.50	-2.18	5.05	.54	4.14	.46	3.77	-.16	1.58	-2.77	2.33	-2.74	3.16	-1.25	1.82	-1.23	3.17	.28	2.52	-.22	4.31	.48	41.11	-5.22
MONS	3.89		3.00		5.43		2.61		4.67		1.77		5.86		6.18		1.52		E 9.71		7.54		5.09		E57.27	
MONTEBELLO 3 NE	2.09	-1.55	4.52	1.76	5.28	2.08	3.32	-.45	4.99	-.37	1.51	-4.01	6.09	.68	2.65	-3.20	1.84	-2.42	8.97	4.84	7.59	4.14	5.88	2.58	554.73	4.08
MONTEREY	2.33	-1.17	1.14	-1.77	4.98	.71	2.29	-1.04	2.57	-1.87	3.05	-1.64	5.16	.34	3.94	-.50	1.72	-.92	8.94	5.72	2.69	.30	3.62	.32	E24.43	-1.32
MOORES CREEK DAM	E 1.15	-2.54	2.65	.15	4.00	.129	4.00	1.35	2.30	-.56	5.03	-1.98	3.84	-.77												
MOUNT WEATHER	2.08	-.88	1.13	-1.19	4.24	.139	2.55	-1.09	3.88	.08	4.81	.55	5.57	1.01	6.81	2.37	1.65	-1.57	5.28	2.57	2.05	-.41	2.48	-.10	43.53	3.63
NATURAL BRIDGE STATION	3.48		2.15		7.05		2.92		4.45		2.59		5.52		4.58		1.79		11.76		6.84		4.12		E56.85	
NEW CANTON	3.16	-.39	1.59	-1.36	3.11	-.72	3.51	.19	6.09	2.67	2.61	-1.12	2.93	-.96	2.33	-2.60	.64	-2.39	5.65	2.47	2.97	.62	3.36	.06	37.95	-.33
NEW CASTLE	3.69	.99	1.46	-1.07	5.87	3.06	2.52	.25	2.87	-1.21	2.11	-1.59	4.52	.17	5.22	.27	2.20	-.61	5.17	2.42	2.34	.16	5.08	2.73	43.05	5.57
NEWPORT 2 NW	E 4.34		1.15		5.21		2.23		2.28		2.60		E 4.56		3.20		1.36		4.20		1.28		3.10		E35.51	
NEWPORT NEWS	5.34		2.62		4.50		3.65		7.24		.25		5.62		3.43		3.29		1.79		2.09		2.65		E42.47	
NORFOLK WB AIRPORT	6.40	3.23	1.59	-1.47	4.14	.87	2.46	-.70	5.78	2.33	.37	-3.79	4.96	-1.09	7.27	2.19	2.77	-1.09	1.70	-.47	2.13	-.54	3.62	.74	43.19	-.07
NORFOLK	5.43	2.26	1.63	-1.43	4.29	1.02	1.65	-1.51	4.98	1.53	.19	-3.97	6.17	.12	5.65	.57	3.20	-.66	1.55	-.89	2.37	-.30	3.22	.34	E40.34	-2.92
NORTH BRISTOL SUBSTA	7.05		1.44		4.90		3.08		2.43		2.27		2.77		1.83		1.60		3.96		3.08		4.08		360.09	
NORTH RIVER DAM	1.84	-1.00	1.18	-1.12	2.21	-1.00	2.40	-.71	2.59	-1.42	E 3.67	-.50	4.69	-.84	2.33	-2.31	1.01	-2.28	6.04	2.78	4.39	1.85	3.79	1.36	E36.14	-5.25
OLINGER	7.89		1.42		3.27		2.61		4.27		2.84		5.25		3.42		1.01		.76		2.64		5.87		44.15	
ONLEY 1 S	3.84	.81	1.64	-2.02	3.32	-.65	2.48	-.78	4.03	.81	.27	-3.07	3.63	-.65	2.99	-2.07	3.09	-.02	2.35	-.95	2.02	-.14	2.71	-.97	32.37	-9.70
PARTLOW 3 WNW	E 1.80		1.51		3.56		1.68		3.71		1.83		2.77		4.78		3.02		7.44		3.02		2.65		E31.66	
PEDLAR DAM	3.74	.77	2.71	-.10	4.44	1.20	1.83	-1.60	3.48	-.69	2.64	-1.56	7.93	2.59	4.77	-1.39	1.15	-2.04	7.85	4.65	5.42	2.50	5.26	1.80	51.22	6.17
PENNINGTON GAP 1 W	8.69	3.42	1.70	-3.12	5.13	-.27	2.55	-1.32	3.12	-.46	2.14	-2.16	4.45	-1.07	2.94	-1.53	2.09	-.28	1.04	-1.50	2.92	.08	7.06	3.02	43.83	-5.19
PHILPOT DAM 2	5.54		1.96		4.85		2.91		3.71		4.83		4.33		2.45		1.51		7.35		2.94		3.99		47.71	
PIEDMONT FIELD STATION	1.89		1.12		4.05		3.51		3.06		1.27		3.18		1.25		2.39		7.18		2.59		4.19		E34.21	
PILOT	4.94		1.32		3.28		1.51		3.18		3.86		4.28		3.03		1.89		5.97		2.20		2.32		E37.78	
POWATAN 5 SW	4.79		E 1.57		E 2.82		E 1.86		6.03		1.40		1.65		2.75		1.45		4.65		3.40		2.60		E34.97	
PULASKI	5.10		1.25		5.15		2.15		2.92		2.14		5.46		7.32		1.60		3.06		2.11		3.25		41.51	
PULASKI CAA AP	5.19		3.99		2.17		2.26		3.68		3.78		5.51		3.60		2.24		4.00		2.02		4.16		42.60	
QUANTICO 1 S	2.22	-.86	2.01	-.63	3.76	.44	2.79	-.46	2.42	-.71	.91	-2.91	4.06	.49	3.55	-.91	.44	-2.56	2.79	-.17	1.43	-.61	3.91	1.08	30.35	-.82
RADFORD	4.57	1.87	1.08	-1.53	4.05	.91	1.95	-.73	3.21	.04	2.01	-1.46	3.80	-.51	4.06	.94	1.97	-.70	4.72	1.74	2.03	.67	3.33	.45	36.88	.79
RANDOLPH	5.76	1.99	1.76	-1.42	4.29	.59	2.90	-.45	6.02	2.39	.97	-2.89	4.36	-.20	1.85	-2.47	1.43	-1.35	5.03	2.16	2.76	.40	2.24	-1.02	39.37	-2.25
RAPIDAN	2.45		1.03		4.08		3.10		2.53		1.97		3.45		1.91		.16		5.46		2.55		4.62		33.35	
RICHMOND WB AP	3.70	.05	1.56	-1.20	2.44	-.98	3.08	-.15	4.36	.72	1.09	-2.78	1.30	-4.34	3.95	-1.10	.69	-2.96	4.99	2.38	1.86	-.63	2.43	-.46	31.45	-11.44
RICHMOND CHIMBORAZO PK	4.30	.67	1.52	-1.21	2.56	-.87	2.60		3.37		3.07	-1.29	3.55	-.63	4.77	.11	.96	-2.24	6.21	2.44	1.91	-.28	3.82	1.21	36.94	1.68
RIVERTON	2.52	.26	1.30	-.82	5.00	2.46	2.30	-.31	4.16	.51	1.44	-1.91	2.66	-.48	4.74	1.06	.85	-2.46	6.21	2.44	1.91	-.28	3.82	1.21	36.94	1.68
ROADNOKE	5.09	1.99	3.30	.52	3.65	.35	1.41	-1.49	3.82	.44	3.07	-1.29	3.55	-.63	4.77	.11	.96	-2.24	6.21	2.44	1.91	-.28	3.82	1.21	36.94	1.68
ROADNOKE WB AIRPORT	4.77	1.38	3.83	1.27	2.76	-.43	1.08	-1.87	3.42	-.20	2.82	-.88	3.27	-1.64	3.18	-1.36	1.13	-2.26	6.76	3.37	2.91	.10	3.95	.82	39.88	-1.70
ROCKFISH	3.31	-.27	1.22	-1.50	4.20	1.04	2.83	-.28	4.31	.10	3.96	-1.34	4.87	-1.13	3.73	-1.35	2.17	-3.09	4.79	1.80	5.18	2.07	5.99	2.52	66.56	-1.43
ROCKY KNOB	5.03		4.53		4.97		2.68		4.57		2.32		E 5.66		3.06		1.46		E 7.80		3.30		3.31		E48.62	
ROCKYMOUNT	6.93	3.57	2.10	-1.11	4.21	.27	3.69	-.74	2.10	.82	1.30	.46	2.57	-2.22	3.19	-1.46	2.46	-1.16	7.44	3.58	3.00	.57	3.40	-.31	47.68	2.27
ROSE HILL	9.13		1.45		4.21		3.29		2.10		1.30		4.32		2.35		1.95		1.03		2.15		8.17		41.47	
SALTVILLE	6.08		1.59		3.78		2.94		3.49		1.79		4.61		4.31		2.34		2.39		2.77		4.14		40.23	
SALTVILLE 1 N	6.27	2.67	1.60	-2.01	3.57	-.86	3.60	.56	3.76	-.10	1.74	-2.52	4.40	-.63	4.19	-.19	2.44	-.50	2.57	-.25	2.77	.22	4.19	.70	41.05	-2.91
SLATE	E 1.86		1.87		4.19		3.76		3.76		5.00		E 5.72		3.59		1.65		2.57		2.57		3.19			

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

VIRGINIA
1954

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates						
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		29° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below		
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.									
ALEXANDRIA POTOMAC YDS	104	8-1	11	1-23+	1-23	11	2-13	18	3-5	22	4-4	27	4-10	30	-	29	11-1	24	11-1	24	12-3	18	12-7	12	12-22	11	333	297	276	-	-
ASHLAND 1 SW	105	9-8	5	12-22	3-6	16	3-22	18	3-22	18	4-4	28	4-13	30	10-8	29	11-1	24	11-1	24	12-3	18	12-7	12	12-22	11	276	256	224	211	178
BACK BAY WILDLIFE RPG	96	8-26	18	12-22	None		1-13	20	1-14	23	3-5	28	3-22	32	11-27	32	12-6	28	12-7	22	12-21	20	None		-	-	-	-	-	-	
BALCONY FALLS	110	7-15	11	1-13+	2-9	14	2-14	19	3-17	22	3-22	28	5-9	32	10-8	30	10-31	28	11-1	24	12-7	16	12-7	16	301	296	229	223	152	152	
BENFORD	104	7-14	11	1-13	1-23	13	3-5	20	3-5	20	4-2	25	4-5	29	10-8	26	10-8	26	11-7	23	11-27	20	12-7	15	318	287	247	189	186		
BERRYVILLE	102	7-14	-1	1-18	3-7	18	4-2	20	4-9	23	5-5	28	5-9	31	10-8	26	10-8	26	11-1	20	11-1	20	12-3	14	15	272	213	208	156	152	
BIG MEADOWS	90	7-14+	0	1-13	4-4	16	4-4	16	4-4	16	4-9	24	5-5	28	5-10	29	7	23	10-7	23	10-31	16	10-31	7	210	210	161	156	150		
BLACKSBURG 2	99	7-15	7	1-13	3-5	16	3-5	16	3-5	16	4-4	27	4-5	32	10-8	25	10-8	25	10-31	23	11-3	20	12-7	11	277	242	212	186	155		
BLACKSTONE CAA AP	104	9-6	9	12-7	2-8	15	2-13	20	3-22	24	3-22	24	4-5	32	10-30	32	11-1	25	12-3	22	12-6	19	12-7	9	302	296	256	224	168	155	
BOWLING GREEN	102	9-7	10	1-13	2-13	13	3-5	19	3-6	22	3-22	26	4-10	30	11-1	26	11-1	26	12-6	22	12-7	16	12-7	16	297	277	275	224	205		
BOYKINS	104	9-7	-	-	-	-	-	-	-	-	3-22	26	4-2	30	10-17	31	10-18	28	11-1	18	11-1	18	12-7	11	-	-	-	-	-	-	
BRISTOL	102	9-5+	6	1-13	3-2	12	3-22	20	3-22	20	3-22	20	5-5	32	10-20	29	10-31	27	11-2	24	12-4	18	12-7	11	15	280	257	225	223	168	
BUCHANAN	107	7-14	9	1-13	2-13	11	3-7	20	3-22	23	4-2	26	5-11	32	10-8	27	10-8	27	11-1	23	11-27	20	12-7	16	287	265	224	189	150		
CULPEPER	90	7-2+	-5	12-7	3-15	16	3-22	17	4-13	24	5-6	25	5-23	31	10-8	25	10-8	25	10-19	24	11-2	20	11-3	15	233	225	189	155	138		
CAPE HENRY WB CITY	100	7-3	21	12-8	None		None		1-18	24	2-13	26	3-7	29	12-3	31	12-6	27	12-8	21	None		None		-	-	-	-	-	-	
CAPRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CATAWBA SANATORIUM	101	7-14	8	1-13	2-13	15	3-5	17	3-22	23	4-5	26	5-5	32	10-8	28	10-8	28	11-3	23	12-6	19	12-7	12	287	276	228	166	156		
CHANTILLY	102	9-5+	6	1-13	3-2	12	3-22	20	3-22	20	3-22	20	5-5	32	10-20	29	10-31	27	11-2	24	12-4	18	12-7	11	15	280	257	225	223	168	
CHARLOTTE COURT HOUSE	106	7-15	-	-	-	-	3-6	20	3-22	24	3-22	24	4-5	31	10-8	32	11-1	23	11-1	23	12-7	8	12-7	8	-	-	-	-	-	-	
CHARLOTTESVILLE 2 W	107	9-7	11	1-13+	2-13	15	3-5	20	3-5	20	4-5	27	4-5	27	10-31	30	11-3	28	12-6	19	12-6	19	12-21	14	311	276	276	212	209		
CHARLOTTESVILLE 1 W	108	9-17	7	1-23	2-13	15	2-13	15	3-22	24	4-4	27	4-10	29	10-8	29	11-1	25	11-7	24	12-7	20	12-8	14	298	297	230	211	181		
CHASE CITY	107	7-14	12	1-13	1-23	15	2-13	15	3-7	23	3-22	25	4-5	32	11-1	28	11-1	28	12-3	23	12-7	13	12-7	13	318	297	271	224	210		
CHATHAM 2 NE	104	9-7	11	1-13	1-23	15	3-7	20	3-7	20	4-5	27	4-5	27	10-8	28	10-8	28	11-3	23	12-7	13	12-7	13	318	297	271	224	210		
CHERRITON	-	-	-	-	None		2-13	18	3-6	24	4-5	27	4-5	27	11-27	32	12-3	28	12-6	22	12-8	19	None		-	-	-	-	-	-	
CHILHOWIE 1 S	99	9-6	2	1-13	3-22	14	3-23	17	3-23	17	5-5	28	5-22	31	10-16	30	10-19	27	10-20	22	10-31	19	12-4	13	257	222	211	167	147		
CLARKSVILLE	-	-	-	-	1-23	16	2-1	20	3-6	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COLUMBIA	105	9-7	7	12-22	2-13	15	3-7	19	3-22	22	3-22	22	4-13	31	10-8	28	10-8	28	11-1	24	12-9	15	12-9	15	299	277	224	200	178		
CROZET 2 N	103	7-14	6	1-23	3-5	12	3-5	12	3-22	24	4-18	28	4-18	28	10-8	30	11-1	25	12-6	24	12-7	19	12-7	19	290	277	259	197	173		
CULPEPER	103	9-7	5	1-12+	3-7	15	3-7	15	4-4	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DAHLGREN PROV GROUND	102	9-7	14	1-18	1-23	16	2-13	20	3-7	22	3-17	28	4-4	29	11-1	30	11-11	28	12-3	24	12-8	20	None		-	-	-	-	-	-	
DALE ENTERPRISE	100	9-5	2	1-13	2-13	13	3-6	19	4-4	24	4-10	28	4-13	30	10-8	26	10-8	26	11-1	21	12-4	20	12-6	15	296	273	211	181	178		
DARTE	98	6-27	0	1-13	2-9	12	3-6	18	3-6	18	3-23	27	4-1	32	10-20	32	11-3	28	12-6	22	12-7	18	12-8	16	302	276	275	225	202		
DANVILLE	105	7-14	9	12-7	2-8	16	3-6	20	3-17	24	3-22	25	4-2	30	10-8	31	11-1	27	11-7	24	12-7	9	12-7	9	302	276	235	224	189		
DANVILLE CAA AP	105	9-6	10	12-8	2-8	16	2-8	16	3-6	21	3-22	26	4-2	32	11-1	28	11-1	28	11-27	24	12-6	20	12-7	11	302	301	266	224	213		
DIAMOND SPRINGS	99	7-3	18	12-8	None		1-14	19	2-13	24	3-7	25	3-22	32	11-1	32	12-3	28	12-7	21	12-8	18	None		-	-	-	-	-	-	
ELKWOOD 6 SE	105	7-31+	3	1-13+	3-7	14	3-17	20	4-2	21	4-13	28	4-13	28	10-8	25	10-8	25	11-1	22	11-11	20	12-8	12	276	239	213	178	178		
EPISCOPAL HIGH SCHOOL	-	-	-	-	10	1-13+	2-13	16	3-5	20	4-4	27	4-4	27	10-31	31	11-11	28	12-4	24	12-7	19	12-21	15	311	277	274	221	210		
FALLS CHURCH	102	7-14+	5	1-12+	2-1	16	3-7	20	3-7	20	4-4	27	4-10	30	10-8	32	10-31	28	11-11	24	12-7	19	12-8	14	310	275	246	210	181		
FARMVILLE	105	7-14	4	12-21+	3-22	16	3-22	16	4-2	22	4-10	25	5-11	30	10-8	27	10-8	27	11-1	19	11-1	19	12-3	15	258	224	213	181	150		
FLOYD	100	7-14	5	1-13	3-5	11	3-5	11	3-22	24	4-5	25	5-5	31	10-8	25	10-8	25	10-31	22	11-3	19	12-7	8	277	243	223	186	156		
FORT LEE	105	9-7	9	12-8+	1-18	12	3-7	20	3-22	22	3-22	22	4-4	32	10-31	32	11-1	27	11-26	24	12-3	20	12-7	12	323	271	249	224	210		
FREDERICKSBURG	105	9-8	5	12-22	2-13	12	3-7	18	4-2	24	4-10	28	4-13	31	10-8	28	10-8	28	11-1	23	12-4	19	12-7	13	297	272	243	211	178		
FRONT ROYAL 6 NNW	106	7-14	-2	1-23	2-13	8	3-6	19	4-4	24	4-4	24	5-5	30	10-7	30	10-8	25	11-1	21	12-3	20	12-7	16	297	272	241	211	187	155	
GLEN LYN	102	7-14	6	12-8	3-7	16	3-22	20	3-22	20																					

TEMPERATURE EXTREMES AND FREEZE DATA

VIRGINIA
1954

Table 3-Continued

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.							
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.							
WARSAW 2 N	105	9- 7	10	1-13+	2-13	14	3- 7	19	3- 7	19	4-13	27	4-13	27	10- 8	29	11- 1	26	11-11	24	12- 7	18	12- 8	11	298	275	249	202	178
WASHINGTON WB NAT AP	103	7-31	13	- 23	1-23	13	2-13	19	3- 5	24	4- 4	28	4- 4	28	11- 1	31	12- 3	28	12- 6	22	12- 8	20	None	-	298	276	243	211	211
WATERFORD	94	8-26	-	-	2-13	14	2-14	19	3- 5	23	4- 4	27	4- 5	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATERLY HILLS	104	7-31	9	1-23	2-13	14	3- 5	20	3- 7	23	4- 4	27	4- 4	27	10-31	29	-	-	-	-	12- 7	19	12-21	16	311	277	-	-	210
WEST POINT 2 SW	105	9- 7	-	-	-	-	-	-	3-16	24	4- 1	28	4-13	32	10-31	31	11- 1	24	11- 1	24	12- 7	14	12- 7	14	-	-	230	214	201
WILLIAMSBURG 2 N	103	9- 6+	9	12-22	2-13	14	3- 7	19	3-16	22	3-22	25	4- 4	31	11- 1	27	11- 1	27	12- 3	22	12-12	20	12-21	15	311	280	262	224	211
WINCHESTER 2 SSW	103	7-14	7	1-18	2-13	10	3- 4	20	4- 4	24	4- 5	28	4-10	30	10- 8	28	10- 8	28	11- 1	23	12- 6	17	12- 8	16	298	277	211	186	181
WOODSTOCK	105	7-14	-	1-23	2-13	11	3- 5	17	4- 4	24	4-10	27	4-13	31	10- 8	27	10- 8	27	11- 1	24	12- 6	17	12- 7	16	297	276	211	181	178
WYTHEVILLE	96	7-14	3	12- 8	3- 4	15	3-15	20	3-22	23	5- 5	28	5- 5	28	10- 8	24	10- 8	24	10- 8	24	10-31	19	12- 7	5	278	230	200	158	156

TOTAL EVAPORATION AND WIND MOVEMENT

VIRGINIA
1954

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
CHARLOTTESVILLE 1 W	EVAP	-	-	B3.85	5.36	B6.05	B7.68	7.14	6.49	5.52	B4.28	3.81	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	2114	1658	1198	1102	883	1009	804	990	944	1460	-	
	MAX	-	-	62.9	77.9	78.3	91.9	92.5	89.6	85.8	74.2	53.3	-	-	
	MIN	-	-	43.0	55.1	55.4	65.1	68.2	68.0	62.3	52.5	37.3	-	-	
HOLLAND 1 E	EVAP	-	-	-	-	B6.20	9.05	8.36	B7.28	5.84	B4.95	2.03	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	-	-	B1992	1662	1322	1099	942	2289	1123	-	-	
JOHN H. KERR DAM	EVAP	B5.03	2.54	4.93	B6.21	B6.17	8.83	B8.90	B7.07	B8.57	B5.00	-	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	2334	1936	2722	2142	1731	1423	-	-	1697	2892	-	-	-	
PHILPOT DAM 2	EVAP	B1.90	B3.08	3.70	5.06	4.85	B7.13	7.13	5.94	5.87	B3.87	-	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	1761	1585	1856	1518	1068	798	839	772	778	906	-	-	-	

MAX and MIN in Table 6 refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

CHANGES IN STATION NAMES

NEW NAME	OLD NAME	DATE
HURLEY 1 SE	HURLEY 1 E	June 1954
NEWPORT 2 NW	NEWPORT	August 1954
POWHATAN 5 SW	POWHATAN 2 E	March 1954
SURRY 4 SW	SURRY 3 S	March 1954
TYE RIVER 1 SE	TYE RIVER	March 1954
WILLIAMSBURG 2 N	WILLIAMSBURG	March 1954

RELOCATIONS

CLARKSVILLE	Thermometers removed	March 12, 1954
DITCHLEY 1 S	All equipment moved 11.8 miles NNE to Sunnybank	August 16, 1954
FAIRFAX	All equipment moved 0.3 miles SSW	April 9, 1954
HURLEY 1 SE	Rain gage moved 270 feet ESE	May 10, 1954
MARSHALL	All equipment moved 7.5 miles E to The Plains 2 SE	April 1, 1954
MONTEREY	All equipment moved 40 feet NNE	May 28, 1954
MOORES CREEK DAM	Rain gage moved 200 feet E	December 14, 1954
NATURAL BRIDGE STA	All equipment moved 0.5 mile S	September 1, 1954
POWHATAN 5 SW	All equipment moved 6.0 miles SW	March 12, 1954
RANDOLPH	All equipment moved 125 feet SE	March 13, 1954
RIVERTON	All equipment moved 0.4 mile SW	July 26, 1954
ROCKFISH	Rain gage moved 250 feet SE	May 1, 1954
TANGIER ISLAND	All equipment moved 0.6 mile W	December 1, 1953
TROUT DALE	Rain gage moved 400 feet E	December 1, 1954
TYE RIVER 1 SE	All equipment moved 2.0 miles SSE	March 18, 1954
WILLIAMSBURG 2 N	All equipment moved 2.3 miles N	March 9, 1954

STATION INDEX

VIRGINIA
1954

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Years of record			Opened or closed during yr.	Refer to tables	
							Temp.	Precip.	Evap.			
ABINGDON	0013	WASHINGTON	8 36 42	82 00	2000	13					2 C	
AFTON BOXWOOD GARDENS	0055	NELSON	9 38 02	78 50	1250	24					1 2 3	C
ALEXANDRIA POTOMAC YARDS	0097		13 38 49	77 03	20	17					2 C	
ALLISONIA	0125	PULASKI	21 36 56	80 45	1870	3					2 C	
ALTAVISTA	0166	CAMPBELL	15 37 06	79 18	505	9					2 C	
AMISVILLE	0199	RAPPAHANNOCK	14 38 41	78 01	550	11					2	
APPOMATTOX	0243	APPOMATTOX	9 37 21	78 50	625	16					2	
ASHLAND 1 SW	0327	HANOVER	9 37 45	77 29	220	42					1 2 3	
AUGUSTA SPRINGS 1 E	0356	AUGUSTA	9 38 07	79 18	1820	2				DEC	1 2 3	
BACK BAY WILDLIFE RFG	0385	PRINCESS ANNE	2 36 40	75 55	5	2					1 2 3	
BALCONY FALLS	0411	ROCKBRIDGE	9 37 38	79 27	725	7					1 2 3	
BEDEFORD	0551	BEDEFORD	15 37 21	79 31	975	26					1 2 3	
BERRYVILLE	0670	CLARKE	13 38 08	77 59	580	3					1 2 3	
BIG KNOB	0712	SCOTT	9 36 40	82 30	3150	19					2 C	
BIG MEADOWS	0720	MADISON	14 38 31	78 26	3335	19					1 2 3	
BLACKSBURG 2	0766	MONTGOMERY	11 37 14	80 25	2040	3					1 2 3	
BLACKSTONE CAA AIRPORT	0773	NOTTOWAY	12 37 04	77 57	435	9					1 2 3	
BLACKSTONE WATER WORKS	0778	NOTTOWAY	12 37 05	78 01	423	3					2 C	
BLAND	0792	BLAND	11 37 06	81 07	2000	5					1 2 3	
BOWLING GREEN	0937	CAROLINE	17 38 31	77 21	225	5					1 2 3	
BOYKINS	0956	SOUTHAMPTON	10 36 35	77 12	40	1				MAR	1 2 3	
BREMO BLUFF	0993	FLUVANNA	9 37 42	78 18	225	14					2	
BRISTOL	1037	WASHINGTON	8 36 36	82 10	1998	21					1 2 3	
BRISTOL TVA	1047	WASHINGTON	8 36 37	82 10	1920	7					2	
BROOKNEAL	1082	CAMPBELL	15 37 09	78 57	500	5					1 2 3	
BUCHANAN	1121	ROTEQUART	9 37 32	79 41	875	36					1 2 3	
BUCHANAN 1 E	1136	BUCHANAN	9 37 33	78 32	500	3					1 2 3	
BUENA VISTA	1159	ROCKBRIDGE	9 37 44	79 21	835	17					1 2 3	
BURKES GARDEN	1209	TAZEWELL	11 37 06	81 20	3250	57					1 2 3	
CABLESBY	1255	CARROLL	11 36 48	80 55	2075	11					1 2 3	
CAPE HENRY WB CITY	1362	PRINCESS ANNE	2 36 56	76 00	16	80					1 2 3	
CARRON	1375	SOUTHAMPTON	12 36 44	77 57	500	14				MAR	1 2 3	
CATAMBA SANATORIUM	1473	ROANOKE	9 37 23	80 03	1890	43					1 2 3	
CHANTILLY	1570	FAIRFAX	13 38 53	77 26	320	7				AUG	1 2 3	
CHARLOTTE COURT HOUSE	1585	CHARLOTTE	15 37 09	78 38	360	8					1 2 3	
CHARLOTTESVILLE 2 W	1593	ALBEMARLE	9 38 02	78 31	870	11					1 2 3	
CHARLOTTESVILLE 1 W	1598	ALBEMARLE	9 38 02	78 31	860	4					1 2 3	
CHASE CITY	1608	MECKLENBURG	15 36 48	78 28	520	7					1 2 3	
CHATHAM 2 NE	1614	PITTSYLVANIA	7 36 50	79 22	700	31					1 2 3	
CHATHAM SCS	1619	PITTSYLVANIA	7 36 45	79 25	852	31					1 2 3	
CHERITON	1636	NORTHAMPTON	2 37 17	75 58	11	18					1 2 3	
CHILHOWIE 1 S	1675	SMYTH	8 36 47	81 41	2000	3					1 2 3	
CHINCOTEAGUE	1683	ACCOMAC	2 37 56	75 28	36	3					1 2 3	
CHURCHVILLE	1708	AUGUSTA	16 38 14	78 10	1475	23					1 2 3	
CLARENDON LYON PARK	1729	ARLINGTON	13 38 54	77 05	225	27					1 2 3	
CLARKSVILLE	1746	MECKLENBURG	15 36 38	78 33	325	35					2	
CLEVELAND	1776	RUSSELL	6 36 57	82 09	1540	21					1 2 3	
CLIFTON FORGE	1801	ALLEGANY	9 37 49	79 50	1055	30					1 2 3	
CLINGCH	1808	DICKENSON	3 37 10	82 19	500	2					1 2 3	
CLINGPORT	1816	SCOTT	6 36 40	82 45	1260	59					1 2 3	
COLUMBIA	1929	GOCHLAND	9 37 46	78 09	300	52					1 2 3	
CONCORD 5 S	1955	CAMPBELL	15 37 17	78 58	650	5					1 2 3	
COOTES STORE	1986	ROCKINGHAM	16 38 38	78 51	1070	12					2	
COPPER HILL	1999	FLOYD	11 37 08	80 07	2770	14					1 2 3	
COVINGTON	2041	ALLEGANY	9 37 48	80 00	1245	17					1 2 3	
CROZET 2 N	2138	ALBEMARLE	9 38 05	78 42	750	12					1 2 3	
CULPEPER	2145	CULPEPER	14 38 29	77 38	725	45					1 2 3	
DAHLGREN PROVING GROUNDS	2159	KING GEORGE	13 38 20	77 02	18	35					1 2 3	
DALE ENTERPRISE	2208	ROCKINGHAM	16 38 27	78 56	1350	72					1 2 3	
DAMASCUS	2216	WASHINGTON	8 36 38	81 48	1950	28					1 2 3	
DANTE	2237	RUSSELL	6 36 59	82 18	1765	36					1 2 3	
DANVILLE	2245	PITTSYLVANIA	7 36 36	79 23	365	37					1 2 3	
DANVILLE CAA AIRPORT	2250	PITTSYLVANIA	7 36 36	79 23	371	11					1 2 3	
DARWIN	2264	DICKENSON	3 37 05	82 30	1500	6					2	
DAVENPORT	2265	BUCHANAN	3 37 07	82 06	1600	13					1 2 3	
DEERFIELD 2 NE	2315	AUGUSTA	9 38 13	79 22	1800	28					2	
DELAWARE	2326	FAUQUIER	13 38 55	77 55	460	2					1 2 3	
DIAMOND SPRINGS	2360	PRINCESS ANNE	5 36 54	76 12	35	46					2	
DRANESVILLE	2451	FAIRFAX	13 38 59	77 23	375	1					1 2 3	
DRIVER 5 NE	2504	NANSEMOND	2 36 52	76 30	17	12					2	
DUNBAR	2538	WISE	6 36 58	82 45	2000	20					2	
DUNGANNON	2540	SCOTT	6 36 50	82 26	2500	20					2	
ELKWOOD 6 SE	2548	CULPEPER	14 38 27	77 46	300	14					1 2 3	
EMORIA 1 NW	2590	GREENVILLE	10 36 41	77 15	80	24					1 2 3	
EPISCOPAL HIGH SCHOOL	2809		13 38 49	77 06	250	8					1 2 3	
FAIRFAX	2890	FAIRFAX	13 38 50	77 19	430	6					1 2 3	
FALLS CHURCH	2922	FAIRFAX	13 38 53	77 11	315	6					1 2 3	
FARMVILLE	2941	PRINCE EDWARD	1 37 18	78 23	430	33					1 2 3	
FIELDALE	2963	HENRY	7 36 43	79 56	760	22					1 2 3	
FLOYD	3071	FLOYD	11 36 55	80 19	2600	22					1 2 3	
FLOYD 2	3072	FLOYD	11 36 55	80 18	2600	6					2	
FORT LEE	3127	PRINCE GEORGE	1 17 14	77 20	60	5					1 2 3	
FREDERICKSBURG	3192		14 38 18	77 28	100	61					1 2 3	
FREDERICKSBURG EMBRY PLANT	3197	POTOMAC	14 38 18	77 28	20	2					1 2 3	
FRONT ROYAL 6 NW	3231	WARREN	16 39 00	78 14	677	16					1 2 3	
GALAX	3267	CARROLL	11 36 40	80 55	2385	11				DEC	1 2 3	
GALAX 3 S	3268	GRAYSON	11 36 38	80 56	2320	4					2	
GLEN LYN	3397	GILES	11 37 22	80 52	1324	22					1 2 3	
GORDONVILLE CAA AIRPORT	3462	LOUISE	17 38 04	78 10	438	9					1 2 3	
GOSHEN	3470	ROCKBRIDGE	9 37 59	79 30	1300	15					2	
GROSECLOSE	3623	SMYTH	8 36 52	81 20	2590	12					2 C	
GROVETON	3635	FAIRFAX	13 38 46	77 06	245	4					1 2 3	
GRUNDY	3640	BUCHANAN	9 37 17	82 06	1050	6					2	
HALIFAX	3690	HALIFAX	7 36 46	78 57	425	7					1 2 3	
HAYS	3663	DICKENSON	3 37 13	82 17	1350	13					2	
HIGH KNOB	3959	WISE	6 36 54	82 38	4150	19					2 C	
HILLSVILLE 1 NW	3991	CARROLL	11 36 46	80 45	2560	12					2	
HOG ISLAND LITTLE MACHIPONGO	4031	NORTHAMPTON	2 37 28	75 41	5	5				OCT	1 2 3	
HOLLAND 1 E	4064	NANSEMOND	4 36 41	76 47	80	22					1 2 3	
HOLSTON	4068	WASHINGTON	8 36 50	82 05	3450	20					2	
HONAKER	4078	RUSSELL	6 37 01	81 59	1950	19					2 C	
HONAKER 3 NE	4085	RUSSELL	6 37 03	82 02	2200	20					2	
HONKELL	4101	PRINCE GEORGE	9 37 18	77 18	40	62					1 2 3	
HOT SPRINGS	4128	BATH	13 38 00	78 50	2195	61					1 2 3	
HUDDLESTON	4148	BEDEFORD	15 37 10	78 29	985	5					2	
HURLEY 1 SE	4185	BUCHANAN	9 37 25	82 01	990	14					2	
INDEPENDENCE 2	4229	GRAYSON	11 36 36	81 07	2350	1					2	
INDEPENDENCE 2	4234	GRAYSON	11 36 37	81 10	2600	2					2	
INDIAN VALLEY	4246	FLOYD	11 36 54	80 34	2700	20					2	
JEWELL RIDGE	4404	TAZEWELL	6 37 11	81 47	2750	1					2	
JOHN H. KERR DAM	4414	MECKLENBURG	15 36 36	78 17	323	4					1 2 3	
JONESVILLE 2 SSE	4448	LEE	6 36 40	83 06	1375	8					2 C	
JORDAN MINES	4452	ALLEGANY	9 37 41	80 09	1550	9					2 C	
KERRS CREEK	4565	ROCKBRIDGE	9 37 51	79 31	1400	13					2	
LAFAYETTE 1 NE	4676	MONTGOMERY	15 37 14	80 13	1280	4					1 2 3	
LANGLEY AIR FORCE BASE	4720	ELIZABETH CTY	5 37 04	76 22	9	69					1 2 3	
LAWRENCEVILLE	4768	BRUNSWICK	10 36 46	77 51	254	9					1 2 3	
LEE EXPERIMENTAL FOREST	4802	BUCKINGHAM	9 37 32	78 33	500	13					1 2 3	
LEXINGTON	4876	ROCKBRIDGE	9 37 47	79 26	1060	76					1 2 3	
LINCOLN	4909	LOUDOUN	13 39 07	77 43	500	53					1 2 3	
LOUISA	5050	LOUISA	17 38 01	78 23	437	39					1 2 3	

REFERENCE NOTES

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 Bureau type pan of 4 foot diameter unless otherwise shown by footnote 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 12 SSW, indicate distance in miles and direction from the Post Office.

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

- No record.
- + Also later date (dates) or months.
- * Amount included in following measurement.
- B Adjusted to full month.
- C Data for recorder stations denoted by "C" are processed for special purposes and published in Hourly Precipitation Data. Length of record for recorder-only stations may be found in the Annual issue of Hourly Precipitation Data.
- E Amount is wholly or partially estimated.
- M Less than a complete month of record available; if average value is entered, less than 10 days of record are missing; see monthly Climatological Data for detailed daily record.
- R Amounts from recording gage (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data).
- T Trace, an amount too small to measure.
- V Includes total for previous month.

Additional information regarding the climate of Virginia may be obtained by writing to any Weather Bureau Office or to the State Climatologist at the Weather Bureau Airport Station, Byrd Field, Sandston, Virginia.

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See Page 169 for Change of Station Names

NWRC., Asheville, N. C., --- 4/13/55 --- 1150

