

U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

WEATHER BUREAU

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CLIMATOLOGICAL DATA

VIRGINIA

ANNUAL SUMMARY 1948

Volume LVIII No. 13



VIRGINIA - 1948

S. S. Schworm, Section Director - Richmond

GENERAL SUMMARY

The year averaged practically normal in temperature, but decidedly above normal in precipitation. It was the second wettest year on record, averaging 0.91 inch less than the record year of 1937. Only three months had less than normal precipitation, but only one of them was more than 0.50 inch deficient.

Chronologically the weather progressed in this fashion: **JANUARY:** The fifth coldest January of record; the lowest temperature (-14°) of the year occurred on the 25th at Timberville; snowfall was more than twice the usual amount. **FEBRUARY:** The driest month of the year, unusually cold weather until the 12th, followed by sudden thaw which caused great damage to many highways which had become cracked by much freezing and thawing weather during the earlier part of Winter; minor floods occurred in central and southern counties on the 13th-16th. **MARCH:** Mild, with moderately heavy precipitation. **APRIL:** Warmer and wetter than usual. **MAY:** Frequent brief cool spells; sixth wettest May of record; many damaging hail storms; a flash flood in the Chickahominy River tributaries in New Kent and Charles City Counties on 26th. **JUNE:** About normal in temperature and precipitation; many hail and wind storms. **JULY:** Near normal as to temperature and precipitation; warmest month of the year, many destructive hail, wind and electrical storms. **AUGUST:** Rainy, with temperature slightly below normal; the highest temperature (103°) of the year occurred at Lincoln on the 27th and Danville Airport on the 28th; the greatest 24-hour rainfall of the year occurred at Smithfield on the 22d, with 6.60 inches; damaging hail and wind storms occurred on three days; a minor flood occurred in the James River between Bremono Bluff and Richmond, the Rappahannock River overflowed above Fredericksburg and there was local flooding in Giles County on the 3-4th. **SEPTEMBER:** Slightly below normal in temperature and above normal in precipitation; some light frost occurred in Highland, Smyth and Washington Counties on the 26th. **OCTOBER:** Eighth coolest October on record; frosts occurred generally during period of 18th-23d, except in a few sections in the Tidewater sections; precipitation slightly above normal; snow fell in measurable amounts in some mountain areas on the 12th. **NOVEMBER:** Wettest and sixth warmest November of record; also wettest month of the year; snow fell in the upper Piedmont and upper Great Valley areas on 28-29th; a minor flood occurred in the James River at and below Bremono Bluff on the 28-29th. **DECEMBER:** Mild and very wet; fifth wettest December of record; snowfall slightly below normal; a White Christmas in most sections; a major flood occurred in the James below Lynchburg on the 3d-7th. At the same time the Roanoke River at Roanoke and Randolph, the Rapidan at Rapidan, the Rappahannock at Remington, the New at Pearisburg and the North Anna and the Mattaponi in their upper reaches also went out of their banks. At the close of the month the James was slightly above flood stage at and below Columbia.

The growing season for the State, based on the records for 89 stations, averaged 196 days, and ranged from 150 days at Big Meadows to 288 days at Cape Henry. In general, it was a fine year for crops. Except in a few south-central counties, corn exceeded all previous yields. It was an unusually good grazing season, with pastures continuing to furnish forage well into November. Apple and peach yields were normal or better, although a few varieties of apples were well below average quality. Dark-fired and burley tobacco made excellent yields, but the earlier flue-cured tobacco fell a little below normal. Cotton and peanuts yielded well. A poor drying season reduced the quality of peanuts. All truck crops did well, except for considerable blight in canning tomatoes. Green peppers, snap and lima beans were marketed in the Tidewater area until late in November.

ACKNOWLEDGMENTS

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 years 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 Federal 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.

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

 VIRGINIA
1948

Table I

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure
ALEXANDRIA POTOMAC YDS	31.0	-	38.6	-	50.2	-	57.9	-	66.4	-	75.1	-	79.0	-	76.2	-	71.0	-	57.4M	-	53.2	-	41.9M	-	58.2	-
ANNANDALE	27.1	-	3.54	-	47.6	-	55.2	-	62.5	-	71.6	-	75.8	-	73.3	-	66.0	-	54.2M	-	49.3M	-	37.5	-	54.7	-
ASHLAND	30.4	-6.1	39.4	2.1	50.6	3.7	57.4	1.7	65.0	0.0	73.2	-0.9	79.2M	2.5	-	-	68.9M	-0.2	55.2	-2.7	51.2	4.2	41.7	3.7	-	-
BALCONY FALLS	31.0M	-	38.0M	-	48.1M	-	56.7M	-	63.9M	-	71.6M	-	75.5M	-	72.6	-	64.8M	-	51.2M	-	49.1	-	38.5M	-	55.1	-
BARCROFT	27.6	-	34.6	-	-	-	-	-	63.8	-	72.3	-	76.2	-	-	-	-	-	53.8M	-	50.7M	-	-	-	-	-
BEDFORD	32.6	-2.6	40.3	3.2	49.4	3.4	58.8	3.7	64.4	-1.0	72.6	-0.7	76.6	0.4	73.9	-0.8	68.2	-0.9	55.3	-2.9	50.3	2.8	41.2	1.9	57.0	0.3
BIG MEADOWS	21.6M	-6.5	31.4	1.6	41.2M	4.5	49.8M	4.9	56.0M	-0.8	64.3	0.4	66.5	0.2	65.1	-0.4	58.8	-0.9	46.8	-4.2	43.1	3.9	32.4M	2.6	48.1	0.3
BLACKSBURG	29.0	-4.9	37.0	2.4	46.0	3.1	55.7	4.6	60.4	-0.1	69.4	1.3	71.8	0.5	71.6	1.4	66.0	1.1	53.7	0.1	48.9	6.1	38.0	2.9	54.0	1.6
BLACKSTONE AIRPORT	32.2	-	40.0	-	50.8	-	58.3	-	66.4	-	74.5	-	78.7	-	75.6	-	68.8	-	56.4	-	53.5	-	42.5	-	58.2	-
BRISTOL	31.4	-2.9	43.0	6.3	52.6	5.5	63.1	9.6	66.2	1.9	73.0	2.1	76.4	2.2	73.4	0.2	68.8	0.8	55.0	-0.4	51.0	6.2	41.2	5.2	57.9	3.3
BUCHANAN	31.4	-5.3	39.4	-0.5	49.8	2.5	59.6	4.2	63.8	-1.0	71.8	-0.7	75.6	-0.3	73.5	-1.1	67.5	-2.2	54.1	-4.0	49.2	2.7	40.8	2.3	56.4	-0.3
BUGGS ISLAND DAM	-	-	-	-	52.6	-	60.1M	-	67.7M	-	75.4M	-	79.3M	-	76.4	-	69.6	-	56.1	-	53.5	-	43.3M	-	58.3	-
BURKES GARDEN	24.6	-7.6	36.4	4.0	44.6	4.2	53.5	5.4	57.3	0.2	64.3	0.2	68.2	1.0	65.9	-0.2	60.7	0.1	48.4	-1.8	45.0	4.8	36.1	3.2	50.4	1.1
CAMP LEE	31.6	-	40.0	-	50.4	-	57.6	-	66.0	-	73.8	-	77.6	-	75.2	-	68.0	-	55.5	-	52.9	-	42.0	-	57.6	-
CAPE HENRY	35.7	-4.5	41.7	0.5	51.0	4.4	57.0	2.4	66.2	2.0	74.6	1.7	79.0	1.5	76.4	-0.5	71.8	0.0	59.5	-2.6	57.7	5.6	46.9	3.2	59.6	1.0
CAPRON	-	-	-	-	-	-	-	-	-	-	75.5M	-0.4	79.5M	2.6	75.5M	0.2	72.1M	1.2	58.4M	-1.8	-	-	-	-	-	-
CARDINAL	31.0M	-	40.2	-	51.0	-	57.1	-	66.5	-	73.7	-	78.2	-	75.2	-	69.8	-	57.3	-	55.5	-	43.3M	-	58.3	-
CATAMBA SANATORIUM	28.2	-8.1	37.4	-0.7	46.8	1.6	56.3	2.4	61.6	-0.9	68.8	-0.9	72.6	-0.1	70.8	-0.8	63.9	-2.9	52.4	-4.2	48.8	3.1	38.8	0.9	53.9	-0.9
CHANTILLY	26.7	-	34.5	-	46.8	-	53.8	-	62.3	-	71.4	-	75.4	-	72.7	-	65.8	-	53.8	-	50.0	-	37.8	-	54.2	-
CHARLOTTE COURT HOUSE	31.6M	-	38.4M	-	52.9M	-	61.2M	-	67.0M	-	74.2M	-	77.9M	-	75.3	-	68.4M	-	53.4M	-	53.1M	-	41.4M	-	57.9	-
CHARLOTTESVILLE 2 W	29.4	-7.0	39.2	1.8	48.6	2.2	58.4	2.7	65.2	-0.7	73.4	0.5	76.8	0.1	74.6	-0.5	67.7	-1.9	55.5	-3.2	51.2M	3.2	40.8	2.6	56.7	-0.1
CHASE CITY	33.6	-	41.7	-	53.2	-	61.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHATHAM	31.6	-7.7	40.3	-1.3	50.0	2.3	59.2	3.1	65.1	-0.6	72.7M	-1.4	77.4M	0.0	75.0	-0.7	67.4M	-3.0	55.2M	-2.8	50.3M	2.3	41.0M	0.0	57.1	-0.8
CHERTON	35.0M	-5.9	42.0M	-0.2	51.8M	3.3	58.2M	0.8	67.4M	-0.5	74.8M	-0.9	80.0M	1.7	77.4	0.1	71.8M	-0.7	59.2M	-3.6	57.3M	2.8	46.7M	4.2	60.2	0.2
CLARKSVILLE	32.0	-5.5	41.2	0.9	51.5	3.2	60.1	3.6	67.2	1.1	74.4	0.0	77.0	0.3	75.0	-1.2	67.0	-3.4	53.3	-5.0	50.6	3.4	40.9	1.5	57.6	-0.1
COLUMBIA	31.6	-5.4	39.4	1.9	50.4	3.8	57.9	2.6	65.3	0.2	74.0	1.5	77.8	1.5	74.8	-0.1	67.4	-1.5	54.1	-3.2	50.9	4.3	41.1	3.1	57.1	0.8
CROZET 2 N	30.5	-	39.8	-	49.6	-	57.8	-	63.8	-	72.4	-	74.6	-	72.4	-	66.6	-	55.5	-	52.2	-	42.9	-	56.5	-
CULPEPER	28.9	-5.8	3.78	1.5	50.0	4.7	57.6	3.2	64.0	-0.1	72.8	0.8	76.1	0.4	73.4	-0.5	66.8	-1.3	55.1	-1.2	50.6	5.4	39.9	3.7	56.1	0.9
DAHLGREN PROVING GROUND	29.8	-6.7	37.0	-0.7	48.4	2.8	55.4	1.4	65.0	1.4	72.8	-0.3	77.8	0.9	75.6	0.4	68.1	-1.8	51.1	-1.8	51.7	4.0	40.4	1.4	56.5	0.1
DALE ENTERPRISE	26.6	-6.8	34.3	-0.3	47.0	4.1	55.1	3.1	61.2	-1.3	69.4	-0.6	72.6	-1.2	70.0	-2.1	64.0	-2.8	52.1	-3.3	47.8	3.9	38.2	2.9	53.2	-0.4
DANTE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DANVILLE	34.3	-5.9	41.4	-1.3	53.4	3.4	62.0	3.9	67.4	-0.1	75.4	-0.6	79.0	-0.1	76.3	-1.5	70.4	-2.1	56.5	-4.2	53.4M	3.7	43.1	1.3	59.4	-0.3
DANVILLE AIRPORT	34.0	-	40.9	-	52.2	-	60.6	-	67.1	-	75.0	-	78.8	-	76.6	-	69.6	-	56.2	-	53.0	-	43.0	-	59.0	-
DIAMOND SPRINGS	36.4	-7.3	43.0	-0.7	53.8	3.5	59.0	1.2	67.5	1.2	75.2	1.1	79.1	1.4	76.6	-0.4	71.4	-1.2	58.7	-3.9	58.7	6.2	46.0	1.5	60.5	0.3
ELKWOOD 7 S	28.1M	-	37.4M	-	47.8M	3.1	56.2M	0.6	63.4	-2.0	72.2	-0.4	75.8M	0.7	73.2	-0.2	66.4M	-1.1	53.5	-3.7	47.9	3.2	38.8M	3.0	55.2	-0.2
EMORY	30.4	-7.0	40.8	2.7	49.2	6.1	58.4	6.0	62.8	1.4	69.4	0.2	72.8	0.0	70.6	-1.1	65.2	-1.2	52.9M	-2.4	48.3M	3.8	39.2M	2.2	55.0	0.9
EPISCOPAL HIGH SCHOOL	29.3	-	37.1	-	49.2	-	56.4	-	64.4	-	73.8	-	77.0	-	74.3	-	68.5	-	55.8	-	52.2	-	40.1	-	56.5	-
FARMVILLE	32.4	-5.9	40.8	2.1	51.6	3.9	59.2	3.7	65.0	-1.2	71.3M	-2.9	78.0M	-0.2	74.3M	-2.1	67.9	-2.3	55.6	-2.6	51.5	3.5	42.1	3.1	57.5	-0.1
FLOYD	29.3	-4.6	38.2	4.2	47.5	4.0	57.7	5.2	62.4	0.1	69.2	-0.5	73.6	1.8	70.9	0.0	64.4	-0.7	51.6	-3.4	48.8	4.6	38.8	3.2	54.3	1.0
FREDERICKSBURG	29.4	-7.1	38.0	1.0	48.8	2.1	57.4	2.3	65.4	0.5	74.4	1.9	78.1	1.5	-	-	69.3	0.0	55.4	-2.5	51.4	4.0	39.4	1.5	-	-
FRONT ROYAL AIRPORT	26.0	-	34.8	-	46.2	-	54.2	-	62.0	-	70.8	-	74.5	-	71.8	-	64.9	-	52.1	-	47.8	-	-	-	-	-
GLEN LYN	27.4	-8.6	38.6	2.3	47.8	3.3	58.5	4.6	63.2	-1.4	70.2	-1.7	74.4	0.4	71.6	-1.8	66.2	-1.2	52.3	-4.0	48.6	4.0	38.1	2.2	55.2	0.4
GORDONVILLE 6 S	27.8	-	36.4	-	47.6	-	55.1	-	63.2	-	72.4	-	76.1	-	73.6	-	65.9	-	52.7M	-	47.6	-	38.3	-	55.2	-
GREENWAY DOWNS	26.0	-	34.0	-	45.8	-	54.4	-	63.4	-	71.8	-	75.7	-	73.3	-	66.6									

VIRGINIA
1948

Table 2

See reference notes following Station Index

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1948

Table 2-Continued

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
LANGLEY AIR FORCE BASE	3.32	.35	3.86	.52	2.72	-.85	3.78	-.80	13.00	9.61	2.60	-1.67	2.75	-2.33	9.12	4.59	2.66	-.11	2.51	.01	5.30	3.17	4.03	.98	55.65	15.07
LAWRENCEVILLE	4.83	-	1.95	-	4.15	-	5.50	-	4.99	-	3.82	-	2.85	-	5.48	-	3.87	-	2.22	-	6.85	-	4.09	-	50.60	-
LEE EXP FOREST	4.09	-	-	-	5.49	-	6.29	-	5.13	-	7.10	-	4.60	-	6.91	-	3.35	-	4.41	-	5.64	-	7.58	-	-	-
LEESBURG	4.04	-	0.99	-	2.88	-	3.82	-	4.42	-	4.60	-	3.08	-	5.71	-	2.92	-	4.15	-	6.05	-	6.09	-	48.75	-
LEXINGTON	2.35	-.64	2.86	-.19	6.28	2.85	3.79	-.85	5.84	2.52	5.48	1.36	3.66	-.23	7.03	2.94	3.76	1.02	3.86	.73	7.17	5.02	5.80	2.69	57.88	19.30
LINCOLN	3.74	.74	1.62	-.99	3.39	.31	3.65	1.06	5.60	2.00	4.88	1.5	4.43	-.99	5.68	1.42	4.00	1.36	4.28	1.27	5.71	3.36	5.69	2.95	53.38	14.61
LOUISA	4.64	1.52	2.58	-.06	5.17	1.79	5.53	2.39	8.47	4.65	3.08	-1.06	3.19	-1.21	12.01	7.51	2.23	-.84	3.79	.51	6.55	4.29	7.66	4.58	64.90	24.07
LOVES MILLS	3.00	-.81	3.11	-.13	4.42	1.05	2.77	-.05	4.16	.17	5.21	1.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LURAY	3.37	-	1.09	-	2.92	-	3.40	-	5.81	-	2.81	-	5.30	-	3.81	-	4.65	-	5.86	-	4.11	-	3.10	-	46.23	-
LYNCHBURG 7TH ST BRG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYNCHBURG WB AIRPORT	4.30	-.87	-.46	-.57	6.69	3.15	2.84	-.11	4.13	-.50	5.11	1.32	2.22	-1.99	8.26	4.48	2.07	-1.24	2.61	-.54	4.86	2.53	6.74	3.48	52.52	11.99
MANASSAS 4 S	3.99	-	1.42	-	4.34	-	2.10	-	-	-	-	-	-	-	10.03	5.11	2.48	-.10	4.56	2.05	6.41	4.04	5.10	2.22	-	-
MANTON NR FAIRFAX	2.26	-1.00	3.49	-.07	4.03	-.22	3.43	-.36	3.31	-.59	5.01	-.24	-	-	7.31	-	2.39	-	4.17	-	5.21	-	4.34	-	-	-
MARION	3.53	-	0.90	-	2.75	-	3.68	-	5.36	-	3.16	-	5.22	-	11.55	-	2.40	-	5.01	-	5.63	-	4.53	-	53.72	-
MARSHALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARTINSVILLE FILT PLT	3.14	-1.00	2.79	-.70	4.59	.26	4.62	1.02	5.66	1.95	4.53	-.28	3.02	-3.18	2.59	-2.70	2.04	-.20	3.59	.14	6.36	3.40	5.70	2.13	48.63	1.40
MC DOWELL	2.77	-	1.51	-	2.74	-	3.85	-	5.03	-	1.75	-	2.89	-	5.63	-	3.79	-	3.54	-	3.64	-	3.46	-	40.60	-
MC GAHEYSVILLE 3 S	2.53	-.73	3.43	-.05	4.87	1.16	2.12	-.16	3.73	-.15	5.32	1.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEADOWVIEW	2.62	-1.76	4.64	-.98	4.98	-.32	2.72	-1.18	2.96	-1.13	5.42	1.02	4.42	-.70	6.10	1.87	2.91	-.18	1.86	-1.19	5.93	3.25	4.79	-.86	49.35	2.16
MENDOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONS	3.11	-	-	-	6.27	-	5.21	-	5.98	-	4.39	-	3.69	-	8.34	-	5.24	-	3.44	-	8.34	-	7.75	-	-	-
MONTBELLO	3.66	-.02	2.43	-.33	5.63	2.43	7.68	3.91	6.37	1.01	3.93	-1.59	3.73	-1.68	9.82	3.97	7.16	2.90	4.20	.07	7.76	4.31	7.00	3.70	69.37	18.72
MONTBELLO FISH NRSY	-	-	-	-	8.59	-	3.51	-	6.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTNEY	1.79	-1.71	2.63	-.28	3.94	-.33	5.60	2.27	3.57	-.87	2.97	-1.52	2.31	-2.51	4.73	-.29	3.69	1.05	3.03	-.19	4.82	2.43	3.71	.41	42.79	-.96
MOORES CREEK DAM	2.45	-1.05	2.23	-.68	3.16	-1.11	2.48	-.85	2.82	-1.62	1.99	-2.50	-.48	-4.34	-	-	-	-	-	-	-	-	-	-	-	-
MOUNTAIN LAKE	3.11	-.59	4.16	-.95	3.49	-1.17	3.26	-.46	5.75	1.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUNT JACKSON	2.52	-.15	0.92	-.73	3.51	1.20	4.00	1.84	4.92	1.01	6.64	2.83	5.23	-.08	7.31	2.80	4.45	1.61	4.14	1.47	5.54	3.15	3.77	1.70	52.94	17.11
MOUNT WEATHER	2.76	-.20	0.81	-1.51	1.85	-1.00	5.59	1.95	4.15	-.35	3.33	-.93	5.81	2.15	6.76	2.32	4.60	1.38	5.21	1.50	6.17	3.71	4.90	2.32	51.94	12.04
NATURAL BRIDGE STATION	3.20	-	2.65	-	6.21	-	3.16	-	5.21	-	6.67	-	6.82	-	-	-	3.09	-	3.06	-	6.91	-	4.08	-	-	-
NEW CANTON	4.75	1.20	3.56	.61	5.42	1.59	5.83	2.51	5.48	2.06	2.16	-1.57	3.98	-.09	9.71	4.78	3.49	.46	3.42	.24	5.28	2.93	8.53	5.23	61.61	20.13
NEW CASTLE	2.22	-.48	3.28	-.75	3.73	-.92	3.88	1.61	5.54	1.46	4.29	-.59	4.37	-.02	6.24	1.29	4.11	1.30	2.00	-.75	6.01	3.83	6.04	3.69	51.71	14.23
NEWPORT	2.00	-	3.59	-	3.99	-	4.33	-	4.31	-	6.26	-	4.88	-	3.10	-	2.35	-	1.87	-	5.34	-	5.19	-	47.21	-
NEWPORT NEWS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.67	-	1.73	-	2.57	-	6.10	-	4.08	-	-	-
NORFOLK WB AIRPORT	4.02	-.92	3.84	-.51	2.61	-1.16	5.69	2.46	7.30	3.49	5.46	1.24	3.80	-1.95	4.70	-.52	1.89	-1.34	2.82	-.22	5.90	3.74	4.23	.89	52.26	8.06
NORFOLK WB CITY	4.36	1.26	3.65	-.32	2.82	-.95	4.86	1.63	6.98	3.17	4.66	-.44	4.86	-.89	5.15	-.07	2.24	-.99	2.41	-.63	5.51	3.35	4.09	.75	51.59	7.39
NORTH RIVER DAM	2.17	-.93	1.93	-.65	3.84	-.44	4.66	-.92	5.72	2.16	1.73	-2.50	5.53	-.00	4.65	.01	5.23	1.94	3.95	.69	6.11	3.57	4.61	2.18	50.13	7.83
ONLEY	3.56	-1.34	6.13	1.73	6.27	1.39	4.23	.63	3.61	-.25	3.50	-1.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ONLEY 1 S	3.79	.76	2.98	-.68	3.78	-.19	4.73	1.47	4.09	.87	3.89	-.55	3.22	-1.06	7.92	2.86	4.25	1.14	3.19	-.11	7.20	5.04	4.53	.85	53.57	11.50
ORANGE 1 SW	4.24	1.21	1.77	-.83	3.35	-.16	3.34	2.00	81.6	4.50	3.51	-1.25	4.40	-.20	8.22	3.60	2.19	-1.07	2.84	-.24	5.38	2.94	6.07	2.86	55.47	13.68
PEOLAR DAM	3.65	.68	3.23	.42	5.07	1.83	5.92	2.49	5.69	1.52	3.32	-.88	2.67	-2.67	7.76	1.60	6.31	3.12	3.35	.19	7.08	4.16	7.77	4.31	61.82	16.77
PENNINGTON GAP 1 W	4.37	-.96	6.63	2.09	6.60	1.07	3.91	-.41	2.19	-1.10	2.37	-1.93	6.05	.53	3.16	-1.31	2.35	-.02	1.41	-1.13	8.65	5.81	5.49	1.45	53.18	4.09
PHILPOTT DAM	-	-	-	-	-	-	-	-	3.75	-	4.29	-	2.32	-	3.04	-	4.55	-	2.64	-	6.30	-	5.99	-	-	-
PIEDMONT FIELD STATION	3.18	-	1.69	-	3.45	-	5.07	-	77.9	-	2.09	-	4.02	-	7.62	-	2.51	-	3.98	-	6.52	-	5.58	-	53.50	-
PILOT	2.21	-	2.95	-	4.12	-	-	-	-	-	-	-	-	-	-	-	1.95	-	1.50	-	-	-	-	-	-	-
PINNACLES MDW OF DAN	5.71	1.12	3.28	-.12	8.68	4.31	4.07	-.13	4.31	-.38	6.06	-.04	5.07	-1.94	6.06	-.43	5.09	.07	2.49	-1.64	7.12	2.72	5.36	1.44	63.30	4.98
PULASKI	1.97	-	2.85	-	5.05	-	4.46	-	2.39	-	2.74															

TEMPERATURE EXTREMES AND FREEZE DATA

VIRGINIA
1948

Table 3

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
ALEXANDRIA POTOMAC YARDS	100	8-26+	5	1-26+	3-14 (24°)	3-29 (27°)	4-23 (30°)	11-26 (32°)	12-11 (25°)	12-26 (15°)	287	257	217
ANNANDALE	98	8-28+	-1	1-31	3-29 (21°)	4-4 (27°)	4-23 (30°)	10-19 (28°)	10-19 (28°)	12-11 (20°)	257	198	179
ASHLAND	-	-	2	1-26	3-29 (24°)	3-29 (24°)	4-23 (32°)	10-19 (27°)	10-19 (27°)	12-11 (18°)	257	204	179
BALCONY FALLS	98	8-29	3	1-25	4-10 (19°)	4-10 (19°)	4-19 (32°)	10-19 (25°)	10-19 (25°)	12-2 (24°)	236	192	183
BARCROFT	-	-	-	-	-	-	-	10-19 (28°)	10-19 (28°)	12-11 (22°)	-	-	-
BEDFORD	99	8-28	4	1-26	3-29 (23°)	4-18 (28°)	4-18 (28°)	10-19 (22°)	10-19 (22°)	10-19 (22°)	204	184	184
BIG MEADOWS	90	8-27+	-7	1-15	4-10 (20°)	4-18 (26°)	5-8 (30°)	10-5 (31°)	10-18 (23°)	10-18 (23°)	191	183	150
BLACKSBURG	94	8-28	0	12-27	3-29 (24°)	4-4 (26°)	4-19 (32°)	10-15 (32°)	10-19 (28°)	12-1 (23°)	247	198	179
BLACKSTONE AIRPORT	101	8-29	2	1-25	3-13 (21°)	3-29 (26°)	3-29 (26°)	10-19 (31°)	11-10 (26°)	12-11 (20°)	273	226	204
BRISTOL	99	7-5	3	1-25+	3-29 (23°)	3-29 (23°)	3-29 (23°)	10-18 (32°)	10-19 (24°)	10-19 (24°)	204	204	203
BUCHANAN	100	8-28	0	1-26	3-29 (21°)	4-4 (26°)	4-19 (32°)	10-19 (25°)	10-19 (25°)	10-21 (24°)	206	198	183
BUGGS ISLAND DAM	102	8-30	-	-	3-14 (21°)	3-29 (25°)	4-18 (31°)	10-19 (28°)	10-19 (28°)	11-2 (24°)	233	204	184
BURKES GARDEN	90	7-5	-10	12-26	4-4 (21°)	4-10 (26°)	4-10 (26°)	10-15 (22°)	10-15 (22°)	10-15 (22°)	194	188	188
CAMP LEE	100	8-29	3	1-26	3-13 (20°)	4-4 (28°)	4-10 (29°)	10-18 (31°)	10-19 (28°)	12-11 (20°)	273	198	191
CAPE HENRY	96	6-30+	19	1-31	3-5 (24°)	3-6 (28°)	3-12 (32°)	12-25 (26°)	12-25 (26°)	12-26 (22°)	296	294	288
CAPRON	-	-	-	-	-	-	-	10-19 (30°)	-	-	-	-	-
CARDINAL	99	8-29	6	1-25	3-14 (21°)	3-29 (27°)	4-18 (32°)	10-12 (31°)	12-12 (28°)	12-26 (16°)	287	258	189
CATAWBA SANATORIUM	95	8-29	4	1-15	3-29 (24°)	3-29 (24°)	4-18 (32°)	10-19 (26°)	10-19 (26°)	12-11 (15°)	257	204	184
CHANTILLY	98	8-27	-6	1-25	3-29 (22°)	4-18 (26°)	4-23 (31°)	10-19 (26°)	10-19 (26°)	12-2 (24°)	248	184	179
CHARLOTTE COURT HOUSE	102	8-30	-	-	3-13 (24°)	3-13 (24°)	3-29 (31°)	10-19 (26°)	10-19 (26°)	12-11 (16°)	273	220	204
CHARLOTTESVILLE 2 W	98	8-29	5	1-25+	3-13 (22°)	3-29 (28°)	3-29 (28°)	10-19 (30°)	12-11 (23°)	12-11 (23°)	273	257	204
CHATHAM	102	8-30	5	1-25	3-29 (22°)	3-29 (22°)	4-18 (30°)	10-19 (26°)	10-19 (26°)	12-2 (23°)	248	204	184
CHESTER	99	8-30	12	1-31	3-6 (22°)	3-14 (25°)	3-29 (31°)	12-11 (29°)	12-27 (15°)	12-27 (15°)	296	288	257
CLARKSVILLE	100	8-29+	2	2-3	3-29 (21°)	4-18 (28°)	4-18 (28°)	10-15 (32°)	10-19 (24°)	10-19 (24°)	204	184	180
COLUMBIA	100	6-24+	-6	1-25	3-29 (22°)	4-18 (28°)	4-18 (28°)	10-16 (32°)	10-19 (26°)	12-1 (23°)	247	184	181
CROZET 2 N	100	8-28	4	1-26+	3-29 (23°)	3-29 (23°)	4-19 (32°)	10-21 (31°)	12-1 (20°)	12-11 (20°)	257	257	185
CULPEPER	99	8-29	-4	1-25	3-29 (23°)	4-4 (28°)	4-23 (32°)	10-21 (31°)	11-26 (28°)	12-11 (19°)	257	236	181
DAHLGREN PROVING GROUND	100	8-27	7	1-26	3-6 (20°)	3-14 (28°)	3-14 (28°)	11-16 (32°)	12-10 (28°)	12-11 (24°)	280	271	247
DALE ENTERPRISE	95	8-27+	-11	1-25	3-29 (20°)	3-29 (20°)	4-18 (29°)	10-19 (25°)	10-19 (25°)	12-1 (24°)	247	204	184
DANTE	-	-	-	-	-	-	-	10-16 (32°)	10-19 (22°)	10-19 (22°)	-	-	-
DANVILLE	101	8-28	8	1-15	3-29 (24°)	3-29 (24°)	3-29 (24°)	10-19 (27°)	10-19 (27°)	12-11 (16°)	257	204	204
DANVILLE AIRPORT	103	8-28	9	1-15	3-14 (24°)	3-29 (25°)	3-29 (25°)	10-19 (28°)	10-19 (28°)	12-11 (18°)	272	204	204
DIAMOND SPRINGS	99	8-29	14	2-3	3-5 (24°)	3-14 (26°)	3-14 (26°)	12-2 (32°)	12-11 (29°)	12-26 (20°)	296	272	263
ELKWOOD 7 S	100	8-28	-5	1-25+	3-29 (21°)	4-23 (27°)	4-23 (27°)	10-16 (30°)	10-19 (22°)	10-19 (22°)	204	179	179
EMORY	93	7-5	-8	1-28	3-29 (21°)	4-10 (28°)	4-10 (28°)	10-15 (31°)	10-19 (23°)	10-19 (23°)	204	192	188
EPISCOPAL HIGH SCHOOL	98	8-27+	5	1-25+	3-14 (24°)	3-29 (26°)	4-10 (32°)	10-19 (31°)	12-11 (23°)	12-11 (23°)	272	257	192
FARMVILLE	100	8-28+	-7	1-25	3-29 (20°)	4-18 (27°)	4-23 (29°)	10-16 (32°)	10-19 (25°)	12-1 (23°)	247	184	176
FLOYD	96	8-28+	0	1-16+	3-29 (22°)	3-29 (22°)	4-10 (32°)	10-15 (30°)	10-19 (26°)	10-20 (24°)	205	204	186
FREDERICKSBURG	-	-	2	1-26	3-29 (21°)	3-30 (26°)	4-23 (31°)	10-19 (28°)	10-19 (28°)	10-20 (21°)	205	203	179
FRONT ROYAL AIRPORT	97	8-28	-6	1-25	3-29 (21°)	4-18 (27°)	4-18 (27°)	10-18 (29°)	10-21 (27°)	11-18 (24°)	234	186	183
GLEN LYN	94	7-21+	-2	12-27	3-29 (22°)	4-4 (28°)	4-4 (28°)	10-15 (32°)	10-19 (23°)	10-19 (23°)	204	198	194
GORDONVILLE 6 S	102	8-28	-9	1-25	3-29 (18°)	4-23 (28°)	4-23 (28°)	10-15 (31°)	10-19 (22°)	10-19 (22°)	204	179	175
GREENWAY DOWNS	98	8-29	1	1-26+	3-29 (24°)	3-29 (24°)	4-23 (31°)	10-19 (29°)	12-1 (27°)	12-11 (22°)	257	247	179
HALIFAX	102	8-28+	2	2-2	3-29 (23°)	3-29 (23°)	4-18 (30°)	10-19 (28°)	10-19 (28°)	12-2 (24°)	248	204	184
HOLLAND 1 E	99	8-27+	7	2-3	3-14 (24°)	4-18 (28°)	4-18 (28°)	10-19 (28°)	12-1 (27°)	12-11 (20°)	272	227	184
HOPWELL	100	6-27+	2	1-25	3-6 (20°)	3-14 (28°)	3-29 (32°)	10-19 (30°)	12-11 (28°)	12-26 (15°)	295	272	204
HOT SPRINGS	91	8-29	-2	1-19+	4-4 (24°)	4-10 (26°)	4-18 (29°)	10-15 (32°)	10-19 (22°)	10-19 (22°)	198	192	180
LANGLEY AIR FORCE BASE	99	8-29	12	1-25	2-12 (21°)	3-5 (25°)	3-13 (30°)	12-11 (27°)	12-11 (27°)	12-25 (20°)	317	281	273
LAWRENCEVILLE	97	6-27+	3	1-25	3-29 (23°)	3-29 (23°)	4-18 (32°)	10-19 (32°)	-	-	-	-	184
LEE EXP FOREST	99	8-28	-	-	3-29 (18°)	4-23 (28°)	4-23 (28°)	-	-	-	-	-	-
LEXINGTON	95	8-27+	2	1-25+	3-29 (23°)	3-29 (23°)	4-18 (32°)	10-19 (26°)	10-19 (26°)	12-2 (24°)	248	204	184
LINCOLN	103	8-27	-2	1-31	3-29 (24°)	3-29 (24°)	4-18 (29°)	10-19 (28°)	10-19 (28°)	12-11 (21°)	257	204	184
LOUISA	99	8-28	-6	1-25	3-29 (22°)	4-18 (27°)	4-23 (29°)	10-19 (26°)	10-19 (26°)	12-1 (24°)	247	184	179
LURAY	99	8-28	-10	1-25	4-4 (24°)	4-18 (25°)	5-20 (32°)	10-19 (21°)	10-19 (21°)	10-19 (21°)	198	184	152
LYNCHBURG WB AIRPORT	98	8-28	7	1-15	3-13 (20°)	3-29 (26°)	4-4 (32°)	10-18 (32°)	10-19 (28°)	12-10 (23°)	272	204	197
MANASSAS 4 S	-	-	-	-	3-29 (21°)	4-23 (28°)	4-23 (28°)	10-15 (32°)	10-19 (25°)	11-18 (24°)	234	179	175
MARTINSVILLE FILT PLT	100	8-30	-4	1-25	3-29 (18°)	4-18 (27°)	4-19 (30°)	10-15 (29°)	10-19 (21°)	10-19 (21°)	204	184	179
MONS	-	-	-	-	3-29 (23°)	3-29 (23°)	4-18 (31°)	-	-	-	-	-	-
MONTEBELLO	90	8-28	1	1-24	3-29 (19°)	4-10 (27°)	4-18 (30°)	10-18 (26°)	10-18 (26°)	10-19 (23°)	247	191	183
MONTEREY	90	8-29	-10	1-15	4-10 (24°)	4-18 (27°)	4-23 (32°)	10-5 (30°)	10-18 (26°)	10-19 (17°)	192	183	165
MOUNT JACKSON	96	8-27+	-10	1-25	3-29 (20°)	4-18 (27°)	4-18 (27°)	10-19 (24°)	10-19 (24°)	10-19 (24°)	204	184	184
MOUNT WEATHER	94	8-28	0	1-31+	3-30 (22°)	3-30 (22°)	4-18 (32°)	10-18 (30°)	10-19 (28°)	12-2 (20°)	247	203	183
MOUNTAIN LAKE	-	-	-	-	4-4 (21°)	4-18 (28°)	5-28 (31°)	-	-	-	-	-	-
NEW CANTON	95	8-28	-6	1-25	3-29 (20°)	4-18 (27°)	4-23 (31°)	10-19 (26°)	10-19 (26°)	12-1 (24°)	247	184	179
NEWPORT NEWS	-	-	-	-	-	-	-	12-11 (31°)	12-26 (18°)	12-26 (18°)	-	-	-
NORFOLK WB AIRPORT	97	6-27+	16	1-25+	3-12 (22°)	3-14 (26°)	3-14 (26°)	12-2 (32°)	12-25 (21°)	12-25 (21°)	288	286	263
NORFOL													

STATION INDEX

VIRGINIA
1948

Station	Former station name	Index No.	County	Drainage	Latitude	Longitude	Elevation above mean sea level (feet)	Years of record			Opened or closed during year		Refer to tables
								Temperature	Precipitation	Evaporation	Month opened	Month closed	
ABINGDON		0013	WASHINGTON	HOLSTON	36 42	82 00	2000		8A				2
AFTON BOXWOOD GARDENS		0055	NELSON	RIVANNA	38 02	78 50	1250		8A				2
ALEXANDRIA POTOMAC YARDS		0097	POTOMAC	POTOMAC	38 49	77 03	20	3P	3P				1 2 3
ALTA VISTA		0166	CAMPBELL	ROANOKE	37 06	79 18	503		8A				2
AMISSVILLE		0193	RAPPAHANNOCK	RAPPAHANNOCK	38 41	78 01	550		8A				2
ANNANDALE		0216	FAIRFAX	POTOMAC	38 49	77 12	310	7A	7A				1 2 3
APPOMATTOX		0243	APPOMATTOX	JAMES	37 21	78 50	825		8A				2
ASHLAND		0327	HANOVER	CHICKAHOMINY	37 46	77 29	220	11P	11P				1 2 3
AUGUSTA SPRINGS		0356	AUGUSTA	CALFPASTURE	38 07	79 18	1700		8A				2
BACON NR FAIRFAX		0390	FAIRFAX	POTOMAC	38 52	77 21	390		MID				2
BALCONY FALLS		0411	ROCKBRIDGE	JAMES	37 38	79 27	725	7A	7A				1 2 3
BARCROFT		0449	ARLINGTON	POTOMAC	38 52	77 06	190	8P	8P				1 2 3
BEDFORD		0551	BEDFORD	OTTER	37 20	79 32	950	6P	6P				1 2 3
BERRYVILLE		0670	CLARKE	SHENANDOAH	39 09	77 59	580		9A				2
BIG KNOB		0712	SCOTT	HOLSTON	36 40	82 30	3150		MID				2
BIG MEADOWS		0720	MADISON	RAPPAHANNOCK	38 31	78 26	3420	5P	5P				1 2 3
BIG MEADOWS 2		0725	MADISON	RAPPAHANNOCK	38 30	78 25	3300		MID				2
BLACKSBURG		0765	MONTGOMERY	NEW	37 15	80 31	2170	5P	5P				1 2 3
BLACKSTONE AIRPORT		0773	NOTTOWAY	NOTTOWAY	37 04	77 57	440	MID	MID				1 2 3
BREMO BLUFF POWER PLANT		0993	FLUVANNA	JAMES	37 42	78 18	225		8A				2
BRISTOL		1037	WASHINGTON	HOLSTON	36 36	82 10	1998	6P	6P				1 2 3
BRISTOL NR		1047	WASHINGTON	HOLSTON	36 37	82 10	1920		8A				2
BUCHANAN		1121	BOTETOURT	JAMES	37 32	79 41	875	6P	7A				1 2 3
BUCKINGHAM		1136	BUCKINGHAM	SLATE	37 33	78 33	550		8A				2
BUENA VISTA		1159		MAURY	37 44	79 21	835		8A				2
BUGGS ISLAND DAM		1180	MECKLENBURG	ROANOKE	36 36	78 18	326	8A	MID				1 2 3
BURKES GARDEN		1209	TAZEWELL	NEW	37 06	81 20	3250	SS	SS				1 2 3
BYLLESBY		1255	CARROLL	NEW	36 48	80 55	2100		8A				2
CAMP LEE		1316	PRINCE GEORGE	APPOMATTOX	37 14	77 20	60	4P	MID				1 2 3
CAPE HENRY		1362	PRINCESS ANNE	ATLANTIC	36 56	76 00	18	MID	MID				1 2 3
CAPRON		1375	SOUTHAMPTON	NOTTOWAY	36 44	77 16	100	8A	8A				1 2 3
CARDINAL		1383	MATHEWS	CHESAPEAKE	37 25	76 22	10	6P	6P				1 2 3
CATAWBA SANATORIUM		1471	ROANOKE	CATAWBA	37 23	80 05	2100	8A	8A				1 2 3
CHANTILLY		1570	FAIRFAX	POTOMAC	38 53	77 26	320	6P	6P				1 2 3
CHARLOTTE COURT HOUSE		1585	CHARLOTTE	ROANOKE	37 03	78 38	560	8A	8A				1 2 3
CHARLOTTESVILLE 2 MI W		1593		RIVANNA	38 02	78 31	870	9A	9A				1 2 3
CHARLOTTESVILLE 1 MI SW		1598		RIVANNA	38 02	78 30	437		MID				2
CHASE CITY		1606	MECKLENBURG	ROANOKE	36 49	78 30	542	5P	5P				1 2 3
CHATHAM 4 MI N		1614	PITTSYLVANIA	BANNISTER	36 52	79 19	852	8A	8A				1 2 3
CHATHAM SCS		1619	PITTSYLVANIA	BANNISTER	36 45	79 25	852		MID				2
CHERITON		1636	NORTHAMPTON	ATLANTIC	37 17	75 58	11	4P	4P				1 2 3
CHINCOTEAGUE		1683	ACCOMAC	ATLANTIC	37 56	75 26	26		MID				2
CHURCHVILLE		1708	AUGUSTA	SHENANDOAH	38 14	79 10	1475		MID				2
CLARENDON LYON PARK		1729	ARLINGTON	POTOMAC	38 54	77 05	200		8A				2
CLARKSVILLE		1746	MECKLENBURG	ROANOKE	36 38	78 24	286	8A	8A				1 2 3
CLEVELAND		1776	RUSSELL	CLINCH	36 57	82 09	1540		8A				2
CLIFTON FORGE		1801		JACKSON	37 49	79 50	1055		8A				2
CLINCHPORT		1816	SCOTT	CLINCH	36 40	82 45	1260		7A				2
COLUMBIA		1929	FLUVANNA	JAMES	37 45	78 10	220	SS	8A				1 2 3
COOTES STORE		1986	ROCKINGHAM	SHENANDOAH	38 38	78 51	1050		8A				2
COPPER HILL		1999	FLOYD	NEW	37 05	80 19	2600		8A				2
COVINGTON		2041	ALLEGHENY	JACKSON	37 08	80 00	1225		8A				2
CROZET 2 MI N		2138	ALBEMARLE	RIVANNA	38 05	78 42	750	5P	5P				1 2 3
CULPEPER		2155	CULPEPER	RAPIDAN	38 28	78 00	475	6P	6P				1 2 3
DAHLGREN PROVING GROUNDS		2195	KING GEORGE	POTOMAC	38 20	77 02	18	MID	MID				1 2 3
DALE ENTERPRISE		2208	ROCKINGHAM	SHENANDOAH	38 40	78 45	1300	7P	7A				1 2 3
DAMASCUS		2216	WASHINGTON	HOLSTON	36 38	81 48	1950		8A				2
DANTE		2237	RUSSELL	CLINCH	36 59	82 18	1765	7A	7A				1 2 3
DANVILLE		2245		DAN	36 36	79 23	590	6P	6P				1 2 3
DANVILLE AIRPORT		2250	PITTSYLVANIA	DAN	36 34	79 20	590	MID	MID				1 2 3
DAVENPORT		2269	BUCHANAN	RUSSELL FORK	37 07	82 06	1600		7A				2
DEERFIELD 2 MI N		2315	AUGUSTA	CALFPASTURE	38 15	79 24	1800		8A				2
DELAPLANE		2326	FAUQUIER	POTOMAC	38 55	77 55	500		MID				2
DIAMOND SPRINGS		2368	PRINCESS ANNE	CHESAPEAKE	36 54	76 08	25	6P	6P				1 2 3
DRIVER 5 MI NE		2504	NANSEMOND	NANSEMOND	36 52	76 30	17		6P				2
DUNBAR		2538	WISE	CLINCH	36 58	82 45	2000		7A				2
DUNGANNON		2548	SCOTT	CLINCH	36 50	82 26	2500		8A				2
ELKWOOD 7 MI S		2729	CULPEPER	RAPPAHANNOCK	38 26	77 46	314	6P	6P				1 2 3
EMORY		2782	WASHINGTON	HOLSTON	36 47	81 50	2112	5P	5P				1 2 3
EMPORIA 1 MI WNW		2790	GREENVILLE	MEHERRIN	36 41	77 33	80		9A				2
EPISCOPAL HIGH SCHOOL		2809	FAIRFAX	POTOMAC	38 49	77 06	250	4P	4P				1 2 3
FARMVILLE		2941	PRINCE EDWARD	APPOMATTOX	37 18	78 23	450	SS	SS				1 2 3
FIELDALE		2983	HENRY	SMITH	36 43	79 57	875		MID				2
FLOYD		3071	FLOYD	NEW	36 55	80 19	2600	5P	5P				1 2 3
FORAKER		3082	DICKINSON	CRANESNEST	37 05	82 30	1500		8A				2
FREDERICKSBURG		3192		RAPPAHANNOCK	38 18	77 28	100	9A	9A				1 2 3
FREDERICKSBURG EMBRY PLANT		3197		RAPPAHANNOCK	38 19	77 29	25		MID				2
FRONT ROYAL AIRPORT		3231	WARREN	SHENANDOAH	39 00	78 14	683	MID	MID				1 2 3
GALAX		3267	GRAYSON	NEW	36 39	80 55	2380		8A				2
GLEN LYN		3397	GILES	NEW	37 20	80 49	1524	8A	8A				1 2 3
GORDONSVILLE 6 MI S		3462	LOUISA	NORTH ANNA	38 04	78 10	438	MID	MID				1 2 3
GOSHEN		3470	ROCKBRIDGE	CALFPASTURE	37 59	79 30	1300		8A				2
GREENWAY DOWNS		3583	FAIRFAX	POTOMAC	38 53	77 11	337	6A	6A				1 2 3
GROSECLOSE		3623	WYTHE	HOLSTON	36 53	81 19	2520		MID				2
HALIFAX		3690	HALIFAX	BANNISTER	36 46	78 57	425	7P	MID				1 2 3
HAYSI		3862	DICKENSON	RUSSELL FORK	37 05	82 18	1500		8A				2
HIGH KNOB		3959	WISE	CLINCH	36 54	82 38	4150		MID				2
HILLSVILLE		3991	CARROLL	NEW	36 46	80 44	2570		8A				2
HOG ISLAND LITTLE MACHIPONGO		4031	NORTHAMPTON	ATLANTIC	37 28	75 41	5	8P	8P				1 2 3
HOLLAND 1 MI E		4044	NANSEMOND	BLACKWATER	36 41	76 47	80	SS	SS				1 2 3

See reference notes following Station Index.

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Continued.

Station	Former station name	Index No.	County	Drainage	Latitude	Longitude	Elevation above mean sea level (feet)	Years of record			Opened or closed during year		Refer to tables
								Temperature	Precipitation	Evaporation	Month opened	Month closed	
HOLSTON		4068	WASHINGTON	HOLSTON	36 50	82 05	3450		8A				2
HONAKER		4078	RUSSELL	CLINCH	37 01	81 59	1950		MID				2
HONAKER		4083	RUSSELL	CLINCH	37 03	82 02	2150		8A				2
HOPEWELL		4101		JAMES	37 18	77 18	40	5P	5P				1 2 3
HOT SPRINGS		4128	BATH	JACKSON	38 00	79 50	2195	9A	9A				1 2 3
HURLEY		4185	BUCHANAN	TUG FORK	37 26	82 02	955		MID				2
INDEPENDENCE		4229	GRAYSON	NEW	36 36	81 07	2540		6P				2
INDIAN VALLEY		4246	FLOYD	NEW	36 54	80 34	2700		MID				2
IVANHOE		4322	WYTHE	NEW	36 50	80 58	2100					MAR	1 2
JEWELL RIDGE		4404	TAZEWELL	CLINCH	37 11	81 47	2750		7A				2
JONESVILLE		4446	LEE	CLINCH	36 41	83 06	1400		7A				2
JONESVILLE 1		4447	LEE	CLINCH	36 40	83 06	1375		7A				2
JONESVILLE 2		4448	LEE	CLINCH	36 41	83 07	1525		MID				2
JORDAN MINES		4452	ALLEGHENY	POTTS	37 41	80 05	1350		MID				2
KERRS CREEK		4565	ROCKBRIDGE	MAURY	37 51	79 31	1400		8A				2
LANGLEY AIR FORCE BASE		4720	ELIZABETH CITY	CHESAPEAKE	37 04	76 22	9	MID	MID				1 2 3
LAWRENCEVILLE		4768	BRUNSWICK	MEHERRIN	36 46	77 51	254	3P	3P				1 2 3
LEE EXPERIMENTAL FOREST		4802	BUCKINGHAM	SLATE	37 32	78 33	500	5P	5P				1 2 3
LEESBURG		4817	LOUDOUN	POTOMAC	39 07	77 34	321		6P				2
LEXINGTON		4876		MAURY	37 47	79 26	1060	8P	8P				1 2 3
LINCOLN		4909	LOUDOUN	POTOMAC	39 07	77 43	500	6P	6P				1 2 3
LOUISA		5050	LOUISA	NORTH ANNA	38 01	78 00	437	6P	6P				1 2 3
LOVES MILL		5057	WASHINGTON	HOLSTON	36 45	81 41	2060		7A				2
LURAY		5096	PAGE	SHENANDOAH	38 40	78 23	1120	5P	5P				1 2 3
LYNCHBURG 7TH ST BRIDGE		5115		JAMES	37 25	79 09			7A				2
LYNCHBURG WB AIRPORT		5120	CAMPBELL	JAMES	37 20	79 12	947	MID	MID				1 2 3
MANASSAS 4 MI S		5208	PRINCE WILLIAM	ACCOQUAN	38 42	77 26	172	5P	5P				1 2 3
MANION NR FAIRFAX		5218	FAIRFAX	POTOMAC	38 51	77 21	450		MID				2
MARION		5266	SMYTH	HOLSTON	36 51	81 31	2200		7A				2
MARSHALL		5289	FAUQUIER	RAPPAHANNOCK	38 52	77 53	575		8A				2
MARTINSVILLE FILTR PLANT		5300		SMITH	36 42	79 52	760	8A	8A				1 2 3
MC DOWELL		5414	HIGHLAND	BULLPASTURE	38 20	79 30	2050		7A			SEPT	2
MC GAHEYSVILLE 3 MI S		5423	ROCKINGHAM	SHENANDOAH	38 21	78 44	1080		7P				2
MEADOWVIEW		5451											2
MENDOTA		5501	WASHINGTON	HOLSTON	36 42	82 19	1350		7A				2
MONS		5677	BEDFORD	OTTER	37 27	79 37	2505	4P	4P				1 2 3
MONTEBELLO		5685	NELSON	MAURY	37 54	79 06	2500	8A	8A				1 2 3
MONTEBELLO FISH NURSERY		5690	NELSON	MAURY	37 51	79 07	2700		MID				2
MONTEREY		5698	HIGHLAND	POTOMAC	38 25	79 36	2950	8A	8A				1 2 3
MOORES CREEK DAM		5729	ROCKBRIDGE	MAURY	37 45	79 38	1780		6P				2
MOUNTAIN LAKE		5784	GILES	NEW	37 24	80 30	3600					MAY	1 2 3
MOUNT JACKSON		5822	SHENANDOAH	SHENANDOAH	38 50	78 39	1050	6P	6P				1 2 3
MOUNT WEATHER		5851	LOUDOUN	POTOMAC	39 04	77 55	1725	8A	8A				1 2 3
NATURAL BRIDGE STATION		5941	ROCKBRIDGE	JAMES	37 35	79 31	800		5P				2
NEW CANTON		6004	BUCKINGHAM	JAMES	37 42	78 18	300	SS	SS				1 2 3
NEW CASTLE		6012	CRAIG	CRAIG	37 30	80 06	1300		7A				2
NEWPORT		6046	NEW	NEW	37 19	80 31	1900		8A				2
NEWPORT NEWS		6054		JAMES	36 59	76 26	25	7P	7P				1 2 3
NORFOLK WB AIRPORT		6139	PRINCESS ANNE	CHESAPEAKE	36 53	76 12	25	MID	MID				1 2 3
NORFOLK WB CITY		6144		CHESAPEAKE	36 51	76 17	11	MID	MID				1 2 3
NORTH RIVER DAM		6199	AUGUSTA	SHENANDOAH	38 21	79 16	1918		8A				2
OLINGER		6345	LEE	CLINCH	36 49	82 52	1400		8A				2
ONLEY 1 MI S		6362	ACCOMAC	ATLANTIC	37 41	75 43	40	6P	6P				1 2 3
ORANGE 1 MI SW		6383	ORANGE	NORTH ANNA	38 14	78 06	514		6P				2
PEDLAR DAM		6593	AMHERST	PEDLAR	37 41	79 17	800		6P				2
PENNINGTON GAP 1 MI W		6626	LEE	POWELL	36 46	83 02	1386	8A	8A				1 2 3
PHILPOTT DAM		6691	HENRY	SMITH	36 47	80 82	831	4P	4P				1 2 3
PIEDMONT FIELD STATION		6712	ORANGE	NORTH ANNA	38 13	78 06	500	5P	5P				1 2 3
PILOT		6723	MONTGOMERY	NEW	37 03	80 22	2200		8A				2
PINNACLES MEADOW OF DAN		6750	PATRICK	DAN	36 41	80 25	2820		6P				2
PULASKI		6955		NEW	37 02	80 47	1850		8A				2
PULASKI AIRPORT		6960	PULASKI	NEW	37 05	80 47	2190	MID	MID				1 2 3
QUANTICO 1 MI S		6979	PRINCE WILLIAM	POTOMAC	38 30	77 19	12	MID	MID				1 2 3
RADFORD		7004		NEW	37 08	80 04	1800		8A				2
RANDOLPH		7025	CHARLOTTE	ROANOKE	36 54	78 43	334		8A				2
RAPIDAN		7033	ORANGE	RAPIDAN	38 18	78 04	300		7A				2
RICHMOND 13TH ST BRIDGE		7196		JAMES	37 32	77 25							2
RICHMOND WB R E BYRD FIELD		7201	HENRICO	JAMES	37 30	77 20	67	MID	MID				2
RICHMOND WB CITY		7206		JAMES	37 32	77 45	162	MID	MID				1 2 3
RIVERTON		7254	WARREN	SHENANDOAH	38 57	78 11	500		8A				2
ROANOKE		7275		ROANOKE	37 16	79 56	907	11P	11P				1 2 3
ROANOKE RIVER GAGE		7280		ROANOKE	37 16	79 56							2
ROANOKE WB WOODRUM FIELD		7285		ROANOKE	37 19	79 58	1176	MID	MID				1 2 3
ROCKFISH		7312	NELSON	ROCKFISH	37 48	78 46	500		8A				2
ROCKY KNOB		7330	FLOYD	LITTLE	36 51	80 22	3100	5P	5P				1 2 3
ROCKYMOUNT		7338	FRANKLIN	ROANOKE	37 00	79 54	1132	8A	8A				1 2 3
ROSE HILL		7372	LEE	CLINCH	36 40	83 22	1475		7A				2
SALTVILLE		7501	SMYTH	HOLSTON	36 53	81 46	1725		8A				2
SALTVILLE ALKALI WORKS		7506	SMYTH	HOLSTON	36 53	81 46	1735	8A	8A				1 2 3
SALUDA		7514	MIDDLESEX	RAPPAHANNOCK	37 36	76 36	107	8A	8A				1 2 3
SLATE		7843	BUCHANAN	LEVISA FORK	37 16	81 56	1550		9A				2
SMITHFIELD		7864	ISLE OF WIGHT	JAMES	36 59	76 38	37		7P				2
SOMERSET		7904	ORANGE	RAPIDAN	38 14	78 15	390		8A				2
SPEEDWELL		7971	WYTHE	NEW	36 49	81 10	2340		8A				2
SPRING CREEK		7996	TAZEWELL	CLINCH	37 00	81 39	3150		MID				2
STAR TANNERY		8046	FREDERICK	SHENANDOAH	39 05	78 26	950		MID				2
STATE FARM		8054	GOOCHLAND	JAMES	37 38	77 51	185		8A				2
STAUNTON		8062		SHENANDOAH	38 09	79 04	1480	8A	8A				1 2 3
STONY CREEK		8129	SUSSEX	NOTTOWAY	36 57	77 24	77		MID				2
STUART		8169	PATRICK	SOUTH MAYO	36 38	80 16	1350	8A	8A				1 2 3

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Station	Former station name	Index No.	County	Drainage	Latitude	Longitude	Elevation above mean sea level (feet)	Years of record			Opened or closed during year		Refer to tables
								Temperature	Precipitation	Evaporation	Month opened	Month closed	
SUFFOLK LAKE KILBY		8192	NANSEMOND	NANSEMOND	36 44	76 36	23	6P	8A				1 2 3
SUGAR GROVE		8200	SMYTH	HOLSTON	36 46	81 24	2680	5P	5P				1 2 3
SWORDS CREEK		8282	RUSSELL	CLINCH	37 02	81 55	1900		7A				2
TAZEWELL		8354	TAZEWELL	CLINCH	37 07	81 31	2450		8A				2
TIMBERVILLE		8448	ROCKINGHAM	SHENANDOAH	38 38	78 45	1030	7P	7P				1 2 3
TROUT DALE		8547	GRAYSON	NEW	36 42	81 26	3100		MID				2
TYE RIVER		8600	NELSON	TYE	37 40	78 57	551		7A				2
URBANNA WB		8642	MIDDLESEX	RAPPAHANNOCK	37 38	76 35	31	MID	MID				1 2 3
VIENNA TYSONS CORNER		8737	FAIRFAX	POTOMAC	38 55	77 14	500		7P				2
WALKERS CHAPEL		8821	ARLINGTON	POTOMAC	38 55	77 08	240		5P				2
WALKERTON		8829	KING AND QUEEN	MATTAPONI	37 44	77 02	35	7P	7P				1 2 3
WALLACE		8833	WASHINGTON	HOLSTON	36 39	82 08	1885		7A				2
WALLACETON LAKE DRUMMOND		8837	NORFOLK	ATLANTIC	36 37	76 26	25		6P				2
WASHINGTON VIRGINIA		8902	RAPPAHANNOCK	RAPPAHANNOCK	38 43	78 10	650		9A				2
WASHINGTON WB CITY DC		8904		POTOMAC	38 54	77 03	72	MID	MID				1 2 3
WASHINGTON WB NATIONAL APT		8906		POTOMAC	38 51	77 02	64	MID	MID				1 2 3
WATERFORD		8915	LOUDOUN	POTOMAC	39 11	77 36	525	7A	7A				1 2 3
WAVERLY HILLS		8938	ARLINGTON	POTOMAC	38 53	77 07	340	6P	6P				1 2 3
WESTBROOK SANATORIUM		8984	HENRICO	JAMES	37 36	77 24	200	6P	6P				1 2 3
WHITE GATE		9060	GILES	NEW	37 12	80 50	1850		MID				2
WHITETOP MOUNTAIN		9094	WASHINGTON	NEW	36 38	81 36	5470		8A				2
WILLIAMSBURG 2 MI NW		9146	JAMES CITY	JAMES	37 17	76 45	100	5P	5P				1 2 3
WILLIAMSBURG		9151		JAMES	37 16	76 42	70		MID				2
WILLIAMSVILLE		9159	BATH	BULLPASTURE	38 12	79 34	1700		7A				2
WINCHESTER RESEARCH LAB		9186		POTOMAC	39 11	78 10	720	6P	8A				1 2 3
WOODSTOCK		9263	SHENANDOAH	SHENANDOAH	38 53	78 30	875	SS	8A				1 2 3
WYTHEVILLE P O BLDG		9301	WYTHE	NEW	36 56	81 05	2299	MID	MID				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.

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

- No record.

+ Also later dates or months.

M 1 to 10 days' record missing; see monthly Climatological Data for detailed daily record.

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W.R.P.C., Albany, N.Y.---6-7-49---1425