

CLIMATOLOGICAL DATA

38

VIRGINIA SECTION

F. N. HIBBARD

VOL. XLVIII RICHMOND, VA., YEAR 1938 No. 13

GENERAL SUMMARY

For the State as a whole the weather for 1938 was practically normal in precipitation and slightly higher than normal in temperature; precipitation lacked about a quarter of an inch of equalling the average for the last 48 years, and temperature exceeded the usual figure by 1.2° .

Average departures in temperature for the year were almost identical in each of the three sections; but for individual stations, the readings at Christchurch and Stuart were under normal by 0.2° , and at all other stations, above normal, with the greatest plus departure, $+2.9^{\circ}$ at Lincoln. The yearly average temperatures for individual stations ranged from 48.4° at Big Meadows on Skyline Drive to 61.5° on the coast. February, March, April and November were much warmer than usual: February ranking sixth warmest of record; March, fourth; April, seventh; and November, ninth. The only noticeably cool months were June and September, but readings in those two months were not greatly below normal. The combination of the warm winter and spring and the cool summer produced a year of general mildness.

In precipitation the wet months were June, July and November, but excessive amounts in these months were offset by marked deficiencies in February, August and October. February was fifth driest in 48 years; and July, the wettest of record, and ninth wettest of any month. Distribution over the State was uneven, amounts ranging from an excess of seven inches in Tidewater to a deficiency of nearly six inches in Middle Virginia; and from a deficiency of approximately eleven inches at Fredericksburg and Mount Weather to an excess of more than twelve inches at Hopewell. Actual amounts ranged from approximately 28 inches at Winchester and Staunton to 57 inches at Williamsburg. An unusual feature of the precipitation was the excessive rainfall in southeastern counties on July 23d-26th, the four-day amount totalling 5.67 inches at Richmond; 6.56 inches at Hopewell; 6.60 inches at Halifax; 6.65 inches at Onley; 9.42 inches at Christchurch; and 11.20 inches at Williamsburg. Snowfall was roughly half the usual amount, notwithstanding the record breaking snow of November.

Excepting incipient drought conditions during the latter part of April and the first part of May, and wet weather in June and July, the weather was generally favorable for crop development and farm work. The average killing frost in Spring ranged from March 11th in Tidewater to April 13th in the Great Valley; and the first in Autumn, from November 17th in Tidewater to October 12th in the Great Valley. The growing season likewise ranged from 252 days in Tidewater to 183 days in the Great Valley. Alternate freezing and thawing in January was unfavorable for winter grains, but by May wheat and oats were heading and filling; and were mostly harvested in June. Considerable sprouting in the shock occurred in June and July. Fruit tree buds swelled abnormally early in February, but were retarded favorably by the latter part of the month. The fruit crop was generally good, but during the wet weather of July peaches cracked somewhat. Tobacco beds were prepared in

January, and by April the plants were ready for transplanting. Light colored tobacco matured much earlier than usual. The planting of corn was started early in April and stalks had advanced to good size by June. During July however, fields became weedy and much corn became rank and coarse. South-eastern truck was damaged somewhat by dry weather during April and May, and the strawberry season was considerably shortened. Truck crops as a whole however, averaged good to excellent. Early peanuts averaged fair, but the planting of the later crop was delayed or prevented entirely by wet weather. The year was especially unfavorable for cotton, and about half the fields were plowed up and planted to other crops.

The dry fall weather of October was conducive to forest fires. An area of about 3,000 acres was burned over, and the counties most affected were Wise, Lee and Dickenson. Considerable hail damage occurred during the year: \$2,000 in March; \$10,000 in June; \$12,500 in July; and \$2,000 in August. Small tornadoes in May caused damage of approximately \$7,000; and in December a slight loss of about \$500. Winds along the coast in January entailed a loss of about \$2,000 in boats; and winds accompanying thunderstorms in Richmond during May damaged real property to the extent of about \$8,000.—L.L.K.

COMPARATIVE ANNUAL DATA FOR THE STATE

| Year | Mean temper- ature | Highest | Lowest | Average pre- cipitation | Average snow- fall | No. of days 0.01 inch or more of precipitation | | No. of clear days | No. of partly cloudy days | No. of cloudy days |
|--------------------------------|-----------------------|---------|--------|----------------------------|-----------------------|--|-----|----------------------|------------------------------|-----------------------|
| | | | | | | 104 | 162 | | | |
| NORMALS OR EXTREMES.... | | | | | | | | | | |
| 1891..... | 55.6 | 109 | -29 | 41.97 | 16.9 | 104 | 162 | 101 | 102 | |
| 1892..... | 54.6 | 106 | -8 | 49.94 | 9.5 | 163 | 101 | 102 | | |
| 1893..... | 54.7 | 104 | -26 | 46.22 | 21.1 | 103 | 156 | 100 | 109 | |
| 1894..... | 56.8 | 106 | -11 | 35.76 | 17.0 | 88 | 166 | 104 | 95 | |
| 1895..... | 54.4 | 107 | -18 | 38.23 | 38.8 | 94 | 174 | 103 | 88 | |
| 1896..... | 56.6 | 105 | -10 | 42.64 | 12.3 | 93 | 163 | 106 | 97 | |
| 1897..... | 56.0 | 103 | -15 | 39.19 | 11.8 | 92 | 171 | 99 | 95 | |
| 1898..... | 56.6 | 105 | -9 | 44.71 | 8.7 | 108 | 162 | 101 | 102 | |
| 1899..... | 55.4 | 106 | -29 | 42.20 | 36.7 | 98 | 176 | 95 | 94 | |
| 1900..... | 57.1 | 107 | -8 | 39.52 | 18.6 | 86 | 181 | 91 | 93 | |
| 1901..... | 54.5 | 106 | -14 | 49.99 | 9.5 | 109 | 167 | 94 | 104 | |
| 1902..... | 55.6 | 108 | 0 | 40.67 | 14.9 | 95 | 170 | 97 | 98 | |
| 1903..... | 54.9 | 105 | -13 | 44.09 | 8.4 | 95 | 172 | 89 | 104 | |
| 1904..... | 53.7 | 100 | -14 | 36.11 | 24.9 | 95 | 170 | 101 | 95 | |
| 1905..... | 54.9 | 98 | -15 | 43.27 | 18.5 | 111 | 155 | 112 | 98 | |
| 1906..... | 56.2 | 102 | -2 | 50.03 | 15.2 | 124 | 143 | 120 | 102 | |
| 1907..... | 54.5 | 97 | -16 | 44.41 | 17.4 | 115 | 159 | 115 | 91 | |
| 1908..... | 55.5 | 102 | -20 | 46.17 | 30.0 | 110 | 163 | 108 | 96 | |
| 1909..... | 55.6 | 102 | -5 | 32.02 | 12.9 | 101 | 171 | 104 | 90 | |
| 1910..... | 54.8 | 102 | -9 | 41.37 | 20.3 | 112 | 151 | 116 | 98 | |
| 1911..... | 56.8 | 104 | 0 | 41.00 | 9.2 | 115 | 149 | 110 | 106 | |
| 1912..... | 54.9 | 100 | -25 | 40.88 | 24.6 | 103 | 165 | 106 | 95 | |
| 1913..... | 57.2 | 102 | -3 | 42.33 | 4.0 | 109 | 178 | 98 | 89 | |
| 1914..... | 55.1 | 103 | -17 | 36.66 | 39.8 | 101 | 168 | 100 | 97 | |
| 1915..... | 55.6 | 101 | -5 | 40.03 | 13.5 | 97 | 160 | 116 | 89 | |
| 1916..... | 55.6 | 102 | -11 | 35.94 | 15.6 | 103 | 165 | 106 | 95 | |
| 1917..... | 53.3 | 103 | -27 | 40.11 | 23.7 | 114 | 158 | 107 | 100 | |
| 1918..... | 55.5 | 108 | -22 | 43.48 | 24.7 | 105 | 159 | 97 | 109 | |
| 1919..... | 56.8 | 103 | -16 | 41.65 | 7.4 | 102 | 161 | 99 | 105 | |
| 1920..... | 54.8 | 99 | -9 | 45.91 | 7.1 | 106 | 162 | 89 | 115 | |
| 1921..... | 55.4 | 104 | -12 | 34.94 | 13.8 | 97 | 161 | 102 | 102 | |
| 1922..... | 56.9 | 100 | -13 | 45.15 | 24.8 | 110 | 145 | 107 | 113 | |
| 1923..... | 56.1 | 103 | -1 | 40.90 | 10.3 | 104 | 168 | 96 | 101 | |
| 1924..... | 54.4 | 107 | -12 | 47.34 | 12.8 | 105 | 165 | 90 | 111 | |
| 1925..... | 56.6 | 103 | -14 | 32.53 | 9.5 | 98 | 160 | 99 | 106 | |
| 1926..... | 55.5 | 107 | -6 | 41.41 | 16.5 | 112 | 157 | 97 | 111 | |
| 1927..... | 56.5 | 104 | -7 | 41.64 | 10.4 | 113 | 148 | 103 | 114 | |
| 1928..... | 55.7 | 103 | -5 | 43.07 | 9.2 | 110 | 151 | 112 | 103 | |
| 1929..... | 56.2 | 99 | -8 | 46.31 | 16.7 | 115 | 155 | 97 | 113 | |
| 1930..... | 56.9 | 109 | -13 | 24.99 | 23.4 | 86 | 165 | 99 | 101 | |
| 1931..... | 57.8 | 104 | -2 | 38.00 | 3.7 | 105 | 163 | 106 | 96 | |
| 1932..... | 57.5 | 108 | -9 | 44.68 | 13.1 | 102 | 163 | 90 | 107 | |
| 1933..... | 57.6 | 104 | -7 | 39.46 | 8.2 | 105 | 163 | 101 | 101 | |
| 1934..... | 56.2 | 107 | -16 | 45.73 | 21.6 | 113 | 157 | 104 | 104 | |
| 1935..... | 55.4 | 101 | -16 | 46.65 | 21.9 | 119 | 150 | 103 | 112 | |
| 1936..... | 56.0 | 109 | -17 | 45.30 | 25.1 | 108 | 169 | 95 | 102 | |
| 1937..... | 55.7 | 102 | -3 | 53.20 | 14.7 | 126 | 155 | 99 | 111 | |
| 1938..... | 57.0 | 101 | -3 | 42.21 | 9.1 | 113 | 169 | 89 | 107 | |

Climatological Data for the Year 1938

| Stations | Counties | Elevation, feet | Temperature, degrees Fahrenheit | | | | | Precipitation | | | | | Number of rainy days | Number of clear days | Number of partly cloudy days | Number of cloudy days | Prevailing direction of wind | | | |
|-----------------------------|---------------------|-----------------|---------------------------------|-------------|----------|----------|---------|---------------|-------------------------|--------------------|------------------|-------|----------------------|----------------------|------------------------------|-----------------------|------------------------------|---------|---------|-----|
| | | | Length of record, years | Annual mean | Highest | Date | Lowest | Date | Length of record, years | Total for the year | Greatest monthly | Month | Least monthly | Month | Total snowfall | | | | | |
| Tidewater Virginia | | | | | | | | | | | | | | | | | | | | |
| Cape Henry | Princess Anne..... | 16 | 65 | 60.2 | 94 | June 12† | 20 | Jan. 29 | 65 | 49.07 | 8.88 | Sept. | 1.56 | Feb. | T. | 121 | 112 | 121 | 132 sw. | |
| Cheriton..... | Northampton..... | 11 | 2 | 60.0 | 95 | Aug. 11† | 21 | Jan. 27 | 2 | 48.71 | 8.88 | July | 0.15 | Aug. | 0.0 | 86 | | | | s. |
| Christ Church..... | Middlesex..... | 107 | 14 | 58.4 | 95 | Aug. 15 | 15 | Jan. 27 | 15 | 55.54 | 15.09 | July | 1.62 | Dec. | 3.8 | 109 | 199 | 83 | 83 | sw. |
| Dahlgren..... | King George..... | 18 | 19 | 58.2 | 95 | Aug. 16 | 17 | Jan. 27 | 19 | 39.06 | 6.75 | July | 0.40 | Aug. | 12.1 | 122 | 90 | 103 | 172 n. | |
| Diamond Springs†† | Princess Anne..... | 25 | 30 | 61.3 | 98 | July 18† | 18 | Jan. 27 | 30 | 51.16 | 7.94 | Sept. | 1.52 | Feb. | 1.4 | 90 | 157 | 141 | 67 sw. | |
| Emporia..... | Greensville..... | 80 | ..... | ..... | ..... | ..... | ..... | ..... | 8 | 50.68 | 11.62 | June | 1.25 | Feb. | 4.7 | 99 | 223 | 73 | 69 w. | |
| Holland..... | Nansemond..... | 80 | 6 | 59.3 | 96 | Aug. 16 | 14 | Jan. 27 | 6 | 46.66 | 7.79 | Sept. | 1.81 | Dec. | 1.2 | 82 | 207 | 56 | 102 sw. | |
| Hopewell..... | Prince George..... | 40 | 47 | 54.7 | 94 | Aug. 15 | 16 | Jan. 27 | 51 | 54.78 | 12.09 | Sept. | 1.67 | Feb. | T. | 118 | 74 | 179 | 112 sw. | |
| Langley Field..... | Elizabeth City..... | 9 | 54 | 60.0 | 96 | Aug. 15 | 18 | Jan. 27 | 102 | 51.15 | 9.75 | Sept. | 1.10 | Feb. | 1.1 | 132 | 96 | 91 | 178 sw. | |
| Norfolk..... | Norfolk..... | 11 | 68 | 61.5 | 97 | Aug. 15 | 20 | Jan. 27 | 68 | 49.27 | 7.76 | June | 0.46 | Aug. | 4.0 | 109 | 111 | 167 | 87 s. | |
| Onley..... | Accomac..... | 40 | 20 | 58.2 | 95 | Aug. 1† | 19 | Jan. 29 | 21 | 53.00 | 9.91 | July | 1.58 | Oct. | 9.7 | 125 | 145 | 102 | 118 sw. | |
| Richmond..... | Henrico..... | 162 | 59 | 59.2 | 95 | Aug. 15 | 17 | Jan. 27 | 67 | 48.96 | 9.71 | June | 0.98 | Aug. | 3.7 | 98 | 246 | 63 | 56 s. | |
| Tappahannock..... | Essex..... | 25 | 8 | 58.9 | 97 | Aug. 15† | 12 | Jan. 28 | 8 | 45.28 | 7.63 | July | 0.45 | Aug. | 7.5 | 131 | 165 | 117 | 83 sw. | |
| Walkerton..... | King and Queen..... | 35 | 5 | 58.7 | 97 | Aug. 16 | 12 | Jan. 28 | 6 | 47.40 | 9.69 | Sept. | 0.61 | Aug. | 2.1 | 108 | 216 | 76 | 73 sw. | |
| Wallacetown..... | Norfolk..... | 25 | ..... | ..... | ..... | ..... | ..... | ..... | 13 | 50.95 | 8.50 | Sept. | 0.61 | Oct. | 3.0 | 117 | 186 | 84 | 95 sw. | |
| Williamsburg..... | James City..... | 70 | 44 | 60.8 | 97 | Aug. 16 | 16 | Jan. 29 | 38 | 57.14 | 13.72 | July | 1.85 | Oct. | 3.0 | 110 | 155 | 104 | 106 sw. | |
| Means and extremes..... | ..... | ..... | 59.6 | 98 | July 18† | 12 | Jan. 28 | ..... | 42.21 | 15.09 | July | 0.15 | Aug. | 3.6 | 110 | 155 | 104 | 106 sw. | | |
| Middle Virginia | | | | | | | | | | | | | | | | | | | | |
| Bedford..... | Bedford..... | 950 | 44 | 59.4 | 98 | Aug. 17 | 12 | Jan. 27 | 25 | 48.98 | 10.32 | June | 0.70 | Oct. | 9.3 | 121 | 144 | 131 | 90 w. | |
| Calleville..... | Brunswick..... | 280 | 44 | 59.0 | 98 | Aug. 17 | 12 | Jan. 27 | 44 | 51.69 | 10.18 | June | 1.05 | Aug. | 6.5 | 90 | 225 | 68 | 72 w. | |
| Charlottesville (near)..... | Albemarle..... | 854 | 46 | 57.4 | 95 | Aug. 15† | 13 | Jan. 27 | 63 | 43.57 | 10.52 | July | 1.29 | Oct. | 8.0 | 103 | 145 | 97 | 123 n. | |
| Clarendon..... | Pittsylvania..... | 852 | 16 | 58.7 | 98 | Aug. 15† | 10 | Dec. 29 | 17 | 37.20 | 6.16 | June | 0.84 | Oct. | 5.3 | 99 | 231 | 5 | 129 w. | |
| Clarksville..... | Arlington..... | 225 | ..... | ..... | ..... | ..... | ..... | ..... | 14 | 33.96 | 5.10 | July | 0.99 | Apr. | 16.6 | 124 | 192 | 52 | 121 s. | |
| Columbia..... | Mecklenburg..... | 236 | 20 | 59.5 | 100 | Aug. 15† | 11 | Jan. 28 | 48 | 51.78 | 11.96 | June | 1.58 | Aug. | 2.7 | 107 | 213 | 87 | 65 sw. | |
| Culpeper..... | Fluvanna..... | 220 | 37 | 58.0 | 98 | Aug. 15† | 8 | Jan. 28 | 41 | 40.40 | 9.60 | July | 1.05 | Oct. | 3.0 | 103 | 177 | 51 | 137 s. | |
| Danville..... | Culpeper..... | 475 | 30 | 57.7 | 100 | Aug. 15† | 6 | Nov. 26 | 32 | 33.82 | 5.36 | July | 1.09 | Oct. | 8.3 | 259 | 38 | 68 s. | | |
| Farmville..... | Pittsylvania..... | 564 | 22 | 60.2 | 99 | Aug. 15 | 12 | Jan. 28 | 48 | 40.62 | 7.16 | July | 0.91 | Oct. | 2.7 | 118 | 137 | 96 | 132 w. | |
| Fredericksburg (near)..... | Prince Edward..... | 450 | 17 | 58.5 | 97 | Aug. 15 | 10 | Dec. 29 | 19 | 46.50 | 11.52 | June | 0.98 | Oct. | 1.2 | 111 | 148 | 85 | 132 sw. | |
| Halifax..... | Spotsylvania..... | 75 | 45 | 57.4 | 98 | Aug. 15 | 7 | Nov. 26 | 47 | 31.14 | 5.61 | Sept. | 0.99 | Apr. | 9.8 | 120 | 173 | 97 | 95 sw. | |
| Kenbridge..... | Halifax..... | 425 | ..... | ..... | ..... | ..... | ..... | ..... | 8 | 51.99 | 13.61 | June | 1.07 | Oct. | 2.0 | 106 | 170 | 92 | 103 w. | |
| Lincoln II..... | Lunenburg..... | 500 | 7 | 58.5 | 97 | Aug. 15† | 12 | Jan. 28 | 48 | 47.36 | 12.16 | July | 0.68 | Aug. | 5.5 | 92 | 175 | 87 | 103 sw. | |
| Lynchburg..... | Loudoun..... | 500 | 37 | 57.6 | 101 | July 10† | 10 | Nov. 26† | 38 | 34.59 | 3.80 | Aug. | 1.60 | Oct. | 16.0 | 101 | 190 | 66 | 109 s. | |
| Manassas (near)..... | Campbell..... | 631 | 67 | 59.0 | 96 | Aug. 16 | 13 | Jan. 28 | 67 | 39.78 | 8.25 | June | 0.77 | Oct. | 5.2 | 116 | 113 | 98 | 154 sw. | |
| Prince William..... | Prince William..... | 176 | ..... | ..... | ..... | ..... | ..... | ..... | 22 | 32.19 | 4.62 | July | 0.99 | Apr. | 12.9 | 121 | 162 | 73 | 120 sw. | |
| Martinsville..... | Henry..... | 1,014 | 1 | 58.5 | 96 | Aug. 16 | 11 | Jan. 28 | 8 | 41.94 | 7.88 | July | 0.87 | Feb. | 5.0 | 122 | 180 | 127 | 58 sw. | |
| Mineral (near)..... | Louisa..... | 250 | 23 | 57.0 | 97 | Aug. 15 | 6 | Nov. 26 | 23 | 33.78 | 5.59 | July | 1.21 | Apr. | 4.5 | 92 | 173 | 81 | 111 s. | |
| Mount Weather II..... | Loudoun..... | 1,725 | 34 | 52.1 | 91 | July 17 | 8 | Jan. 28 | 35 | 30.18 | 4.35 | Dec. | 1.17 | Jan. | ..... | ..... | ..... | ..... | w. | |
| New Canton..... | Buckingham..... | 300 | 43 | 57.7 | 93 | Aug. 15† | 8 | Jan. 28 | 45 | 40.41 | 6.72 | June | 1.01 | Oct. | 4.5 | 116 | 174 | 84 | 107 sw. | |
| Orange..... | Patrick..... | 514 | ..... | ..... | ..... | ..... | ..... | ..... | 32 | 35.31 | 5.72 | July | 1.02 | Aug. | 9.0 | 218 | 67 | 80 w. | | |
| Pinnacles..... | Patrick..... | 2,820 | ..... | ..... | ..... | ..... | ..... | ..... | 5 | 61.06 | 14.06 | July | 0.90 | Oct. | 15.2 | 116 | 188 | 49 | 128 nw. | |
| Powhatan..... | Prince William..... | 390 | ..... | ..... | ..... | ..... | ..... | ..... | 16 | 45.64 | 7.55 | July | 1.66 | Oct. | 5.2 | 108 | 229 | 52 | 84 nw. | |
| Quantico..... | Charlotte..... | 22 | 38 | 57.0 | 95 | June 12 | 13 | Jan. 28 | 34 | 35.37 | 5.85 | July | 1.24 | Aug. | 9.6 | 126 | 184 | 144 | 137 nw. | |
| Randolph..... | Franklin..... | 334 | ..... | ..... | ..... | ..... | ..... | ..... | 34 | 44.59 | 9.36 | June | 1.08 | Aug. | 1.5 | 110 | 172 | 67 | 126 sw. | |
| Rocky Mount..... | Patrick..... | 1,182 | 42 | 57.5 | 95 | Aug. 16 | 9 | Jan. 28 | 45 | 42.73 | 8.61 | June | 0.82 | Oct. | ..... | ..... | ..... | ..... | se. | |
| Stuart..... | Franklin..... | 1,500 | 16 | 57.3 | 93 | Aug. 16 | 7 | Jan. 28 | 46 | 45.80 | 10.00 | June | 1.02 | Oct. | 7.3 | 119 | 173 | 97 | 95 sw. | |
| Washington, D. C..... | Patrick..... | 72 | 68 | 57.6 | 96 | July 10† | 14 | Nov. 27 | 68 | 35.09 | 5.06 | July | 1.15 | Oct. | 12.4 | 132 | 112 | 111 | 142 nw. | |
| Means and extremes..... | ..... | ..... | 57.8 | 101 | July 10† | 6 | Nov. 26 | ..... | 41.57 | 14.06 | July | 0.68 | Aug. | 7.3 | 110 | 175 | 81 | 109 sw. | | |
| The Great Valley | | | | | | | | | | | | | | | | | | | | |
| Afton..... | Nelson..... | 1,750 | ..... | ..... | ..... | ..... | ..... | ..... | 8 | 38.65 | 7.10 | July | 1.23 | Aug. | 9.4 | ..... | ..... | ..... | ..... |  |
| Balcony Falls..... | Rockbridge..... | 725 | ..... | ..... | ..... | ..... | ..... | ..... | 8 | 31.43 | 6.44 | June | 0.98 | Oct. | 4.0 | 73 | 273 | 6 | 86 w. | |
| Big Meadows..... | Madison..... | 3,600 | 4 | 48.4 | 88 | June 12 | 3 | Nov. 28 | 4 | 49.73 | 7.49 | July | 1.95 | Oct. | 26.6 | 111 | 135 | 71 | 159 nw. | |
| Blacksburg..... | Montgomery..... | 2,100 | 47 | 54.5 | 89 | Aug. 10† | 8 | Jan. 27 | 47 | 35.91 | 8.42 | July | 0.41 | Oct. | 8.9 | 130 | 145 | 145 w. | | |
| Buchanan..... | Botetourt..... | 875 | 21 | 57.3 | 96 | July 11† | 7 | Nov. 26† | 38 | 40.56 | 8.09 | June | 0.90 | Feb. | 10.8 | 113 | 137 | 145 | w. | |
| Burke's Garden..... | Tazewell..... | 3,250 | 42 | 50.9 | 86 | Aug. 16† | 2 | Jan. 27 | 44 | 48.00 | 7.41 | July | 0.57 | Oct. | 18.5 | 125 | 197 | 82 | 86 w. | |
| Catawba Sanatorium..... | Roanoke..... | 2,100 | 28 | 55.4 | 92 | Aug. 15 | 8 | Jan. 28 | 28 | 37.26 | 7.72 | July | 0.52 | Oct. | 8.7 | 132 | 177 | 121 | 67 nw. | |
| Clifton Forge..... | Alleghany..... | 1,055 | ..... | ..... | ..... | ..... | ..... | ..... | 15 | 42.81 | 7.66 | July | 0.91 | Oct. | 9.0 | 106 | 195 | 89 | 81 w. | |
| Clinchport..... | Scott..... | 1,300 | ..... | ..... | ..... | ..... | ..... | ..... | 41 | 47.69 | 6.88 | May | 0.82 | Oct. | 4.5 | 142 | 192 | ..... | ..... |  |
| Dale Enterprise..... | Rockingham..... | 1,350 | 57 | 54.5 | 92 | July 11 | 2 | Nov. 26† | 59 | 30.65 | 6.08 | July | 0.56 | Oct. | 13.0 | 115 | 190 | 101 | 74 s. | |
| Dante..... | Russell..... | 2,000 | 21 | 54.8 | 89 | July 7 | 4 | Jan. 28 | 22 | 54.25 | 11.61 | July | 0.38 | Oct. | 19.5 | 141 | 149 | 100 | 116 w. | |
| Deerfield..... | Augusta..... | 1,600 | 13 | 54.9 | 91 | Aug. 15 | 6 | Jan. 28 | 12 | 31.54 | 5.73 | July | 0.85 | Oct. | 10.8 | 99 | 199 | 70 | 70 sw. | |
| Emory..... | Washington..... | 2,112 | 13 | 54.9 | 91 | Aug. 15 | 6 | Jan. 28 | 14 | 46.22 | 6.53 | July | 0.45 | Oct. | 16.6 | 144 | 154 | 77 | w. | |
| Floyd..... | Floyd..... | 2,600 | 6 | 54.4 | 92 | July 18† | 5 | Jan. 27 | 6 | 40.41 | 8.39 | Nov. | 0.55 | Oct. | 7.0 | 122 | 255 | 61 | 69 w. | |
| Glen Lyn..... | Giles..... | 1,624 | 7 | 56.0 | 95 | Aug. 15† | 8 | Jan. 27 | 25 | 35.60 | 5.62 | July | 0.48 | Oct. | 5.5 | 130 | 128 | 50 | 187 w. | |
| Hot Springs..... | Bath..... | 2,195 | 45 | 51.4 | 89 | July 10 | 0 | Nov. 27 | 47 | 32.57 | 5.72 | June | 0.42 | Oct. | 18.8 | 134 | 204 | 31 | 130 sw. | |
| Ivanhoe..... | Wythe..... | 2,100 | ..... | ..... | ..... | ..... | ..... | ..... | 32 | 39.71 | 5.85 | July | 0.44 | Oct. | 6.0 | 88 | 108 | 22</td | | |

Monthly and Annual Precipitation for the Year 1938 with Departures from the Normal

| Stations | January | February | March | April | May | June | July | August | September | October | November | December | Annual | | | | | | | | | | | | | | |
|------------------------------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|
| | Precipitation | Departure | Precipitation | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Tidewater</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cape Henry | 2.50 | -0.65 | 1.56 | -1.67 | 3.71 | -0.16 | 5.00 | +1.70 | 5.45 | +1.88 | 6.23 | +2.27 | 5.97 | +0.60 | 2.23 | -2.63 | 8.38 | +5.52 | 2.79 | -0.22 | 2.86 | +0.50 | 2.39 | -1.05 | 49.07 | +6.09 | |
| Cheriton | 3.27 | 2.42 | 4.19 | -0.11 | 4.67 | 3.95 | 4.67 | 6.58 | 8.85 | 0.15 | 8.80 | 2.16 | 1.27 | 2.37 | 4.81 | 2.37 | 1.66 | 2.72 | +0.68 | 1.62 | -1.77 | 55.64 | +11.86 | | | | |
| Christchurch | 3.93 | +0.16 | 2.38 | -0.87 | 3.82 | +0.46 | 3.14 | -1.00 | 3.69 | -0.04 | 7.00 | +2.95 | 15.09 | +10.71 | 3.54 | -0.82 | 6.92 | +3.06 | 1.74 | -1.66 | 2.51 | +0.56 | 2.03 | -1.01 | 39.06 | +0.46 | |
| Dahlgren | 2.43 | -0.42 | 2.31 | -0.18 | 3.16 | -0.19 | 1.52 | -1.88 | 4.42 | +1.29 | 6.04 | +2.17 | 6.75 | +2.51 | 0.40 | -4.74 | 5.97 | +3.28 | 1.46 | 0.93 | 2.51 | +0.56 | 2.03 | -1.01 | 39.06 | +0.46 | |
| Diamond Springs | 2.85 | -0.63 | 1.52 | -1.82 | 4.88 | +0.76 | 7.15 | +3.88 | 6.11 | +1.96 | 6.02 | +0.91 | 4.49 | -1.05 | 3.00 | -1.28 | 7.94 | +4.23 | 2.03 | -0.91 | 3.34 | +0.98 | 2.33 | -1.33 | 82.51 | +5.15 | |
| Emporia | 2.67 | 1.25 | 4.07 | ..... | 3.30 | ..... | 4.39 | ..... | 11.62 | ..... | 8.50 | ..... | 1.26 | ..... | 5.80 | ..... | 2.13 | ..... | 3.27 | ..... | 2.36 | ..... | 50.68 | ..... |  |  |  |
| Holland | 2.87 | 1.33 | 3.75 | ..... | 4.98 | ..... | 4.86 | ..... | 5.76 | ..... | 7.37 | ..... | 1.79 | ..... | 7.79 | ..... | 2.56 | ..... | 2.29 | ..... | 1.31 | ..... | 46.66 | ..... |  |  |  |
| Hopewell | 2.92 | -0.06 | 1.68 | -1.33 | 3.19 | -0.71 | 2.80 | -0.60 | 4.44 | +0.77 | 12.09 | +7.27 | 11.62 | +7.30 | 2.18 | -2.60 | 6.59 | +3.20 | 2.08 | -0.58 | 3.32 | +1.20 | 1.87 | -1.65 | 54.78 | +12.31 | |
| Langley Field | 2.62 | -0.35 | 1.67 | -1.67 | 3.79 | +0.22 | 4.70 | +1.72 | 4.69 | +1.80 | 8.43 | +4.46 | 6.30 | +1.22 | 2.20 | -2.33 | 9.75 | +6.98 | 2.80 | +0.30 | 2.41 | +0.28 | 1.79 | -1.26 | 51.51 | +10.57 | |
| Norfolk | 2.80 | -0.30 | 1.10 | -2.12 | 3.73 | -0.04 | 5.78 | +2.55 | 5.06 | +1.25 | 7.25 | +3.08 | 5.28 | -0.47 | 2.78 | -2.44 | 7.76 | +4.53 | 2.09 | -0.95 | 3.19 | +1.03 | 2.45 | -0.89 | 49.27 | +5.18 | |
| Onley | 3.21 | +0.18 | 2.50 | -1.16 | 4.41 | +0.44 | 3.56 | +0.30 | 2.55 | -0.67 | 9.91 | +6.57 | 9.36 | +5.08 | 4.46 | -4.60 | 9.82 | +6.71 | 2.52 | -0.78 | 2.10 | -0.06 | 2.60 | -0.01 | 79.03 | +0.00 | |
| Richmond | 2.96 | -0.25 | 1.89 | -1.28 | 3.57 | -0.11 | 2.80 | -0.69 | 4.66 | +0.77 | 9.28 | +5.34 | 9.71 | +4.98 | 2.44 | -4.19 | 3.89 | +0.60 | 1.55 | -1.30 | 3.61 | +1.40 | 2.61 | -0.68 | 48.96 | +6.94 | |
| Tappahannock | 2.96 | 2.61 | 6.66 | ..... | 1.84 | ..... | 3.79 | ..... | 7.63 | ..... | 7.01 | ..... | 0.96 | ..... | 5.85 | ..... | 1.69 | ..... | 3.93 | ..... | 2.35 | ..... | 45.28 | ..... |  |  |  |
| Walkerton | 2.94 | 2.29 | 4.18 | ..... | 2.68 | ..... | 3.22 | ..... | 8.91 | ..... | 9.69 | ..... | 0.45 | ..... | 5.16 | ..... | 1.82 | ..... | 3.75 | ..... | 2.31 | ..... | 47.40 | ..... |  |  |  |
| Wallaceton (near) | 2.94 | -0.19 | 0.98 | -3.08 | 3.64 | -0.73 | 6.88 | +2.30 | 4.18 | +0.28 | 7.10 | +2.20 | 6.64 | -0.74 | 0.61 | -4.75 | 7.50 | +3.27 | 3.07 | +0.01 | 3.73 | +0.45 | 2.68 | -1.77 | 50.95 | -2.75 | |
| Williamsburg | 2.93 | -0.39 | 1.96 | -1.54 | 3.35 | -0.75 | 3.39 | -0.39 | 5.46 | +1.88 | 6.66 | +2.09 | 13.72 | +8.00 | 3.79 | -1.35 | 6.87 | +5.53 | 1.85 | -1.23 | 2.97 | +0.86 | 2.25 | -1.41 | 57.14 | +11.30 | |
| Means | 2.92 | -0.27 | 1.84 | -1.62 | 3.85 | -0.07 | 4.01 | +0.72 | 4.43 | +0.98 | 7.92 | +3.55 | 8.52 | +3.47 | 1.76 | -2.67 | 7.35 | +4.26 | 2.15 | -0.75 | 2.95 | +0.72 | 2.21 | -1.31 | 49.91 | +7.11 | |
| <i>Middle Virginia</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bedford | 2.93 | -0.14 | 1.10 | -2.00 | 3.49 | -0.08 | 2.49 | -0.52 | 4.28 | +1.08 | 10.32 | +6.07 | 7.78 | +4.03 | 5.50 | +1.46 | 1.99 | -1.15 | 0.70 | -2.66 | 5.50 | +3.12 | 2.90 | -0.77 | 48.98 | +8.49 | |
| Callville | 2.70 | -0.85 | 1.09 | -1.79 | 4.79 | +0.41 | 3.05 | -0.69 | 4.23 | +0.25 | 10.18 | +5.91 | 9.12 | +8.79 | 1.05 | -4.04 | 6.29 | +2.72 | 2.14 | -1.00 | 3.97 | +1.68 | 2.48 | -1.03 | 51.69 | +5.36 | |
| Charlottesville (near) | 2.89 | -0.46 | 2.80 | -0.50 | 2.33 | -1.14 | 1.42 | -2.10 | 2.95 | -1.01 | 4.79 | -0.50 | 10.52 | +6.19 | 2.84 | -2.28 | 3.73 | +0.51 | 1.29 | -2.34 | 3.26 | +0.80 | 5.25 | -0.74 | 79.43 | -5.17 | |
| Chatham | 3.47 | -0.01 | 1.51 | -1.67 | 2.32 | -1.43 | 2.04 | -1.31 | 4.01 | +0.21 | 6.16 | +2.39 | 5.34 | +1.11 | 1.11 | -3.84 | 2.81 | 1.63 | -1.79 | 0.84 | -2.02 | 4.79 | +2.26 | 3.75 | -0.28 | 37.20 | -4.85 |
| Clarendon | 2.50 | -0.43 | 2.16 | -0.44 | 2.00 | -0.83 | 0.99 | -2.79 | 3.80 | +0.34 | 2.95 | -0.65 | 5.10 | +1.57 | 4.12 | -1.33 | 1.30 | -0.59 | 1.46 | -2.45 | 2.80 | +0.05 | 2.48 | 0.00 | 33.96 | -6.18 | |
| Clarksville | 3.85 | +0.56 | 1.63 | -1.74 | 3.82 | +0.16 | 2.55 | -0.85 | 3.73 | -0.34 | 11.16 | +7.73 | 8.20 | +4.00 | 1.58 | -3.05 | 4.09 | +1.01 | 1.87 | -0.94 | 4.95 | +2.74 | 3.50 | 0.00 | 51.73 | +9.48 | |
| Columbia | 2.40 | -0.95 | 2.24 | -0.50 | 3.25 | -0.34 | 1.36 | -2.11 | 3.21 | -0.41 | 6.24 | +2.30 | 9.60 | +5.34 | 1.97 | -2.56 | 2.67 | -0.30 | 1.05 | -2.24 | 2.65 | +0.32 | 3.76 | -0.61 | 40.40 | -0.84 | |
| Culpeper | 2.42 | -0.57 | 2.14 | -0.28 | 1.69 | -1.21 | 1.68 | -3.44 | 0.58 | 2.80 | -2.17 | 5.36 | +1.54 | 1.88 | -2.92 | 4.50 | +1.26 | 1.09 | -2.07 | 2.33 | +0.44 | 77.33 | -62 | 7.45 | ..... |  |  |
| Danville | 3.11 | -0.20 | 1.12 | -2.07 | 2.71 | -1.21 | 2.01 | -2.41 | 0.97 | 4.52 | +0.94 | 5.94 | +1.92 | 7.16 | -2.97 | 2.31 | -2.13 | 3.24 | -0.18 | 0.91 | -2.01 | 5.03 | +2.80 | 3.14 | -0.44 | 40.62 | -1.13 |
| Farmville | 3.88 | +1.04 | 1.29 | -1.46 | 4.32 | +0.26 | 2.16 | -0.89 | 3.49 | -0.38 | 11.58 | +6.95 | 7.29 | +3.10 | 4.67 | -3.36 | 4.70 | +1.97 | 0.98 | -2.30 | 2.97 | +0.63 | 3.22 | -0.06 | 46.50 | +5.62 | |
| Fredericksburg (near) | 2.17 | -1.17 | 1.92 | -0.80 | 3.96 | -1.62 | 0.99 | -2.51 | 2.95 | -0.79 | 3.47 | -0.74 | 3.93 | -0.43 | 1.34 | -3.64 | 5.61 | +2.45 | 1.33 | -1.88 | 2.57 | +0.76 | 2.60 | -0.54 | 31.14 | -10.91 | |
| Halifax | 3.49 | 1.21 | 3.86 | ..... | 1.71 | ..... | 4.31 | ..... | 13.61 | ..... | 10.05 | ..... | 1.64 | ..... | 2.98 | ..... | 1.07 | ..... | 4.68 | ..... | 3.36 | ..... | 51.99 | ..... |  |  |  |
| Kenbridge | 3.25 | 1.09 | 3.61 | ..... | 2.37 | ..... | 3.73 | ..... | 10.59 | ..... | 12.16 | ..... | 0.68 | ..... | 2.89 | ..... | 1.37 | ..... | 4.24 | ..... | 2.38 | ..... | 48.36 | ..... |  |  |  |
| Lincoln | 2.32 | -0.68 | 2.19 | -0.42 | 3.31 | +0.23 | 2.57 | -0.74 | 3.74 | +0.14 | 2.16 | -2.15 | 2.94 | -0.50 | 3.80 | -0.46 | 3.61 | +0.77 | 1.07 | -2.27 | 2.80 | +0.37 | 4.18 | -0.75 | 72.34 | -59.19 | |
| Lynchburg | 2.99 | -0.44 | 1.16 | -1.99 | 3.16 | -0.38 | 1.60 | -1.35 | 4.13 | +0.10 | 5.02 | +4.46 | 5.78 | +1.52 | 3.24 | -0.54 | 1.87 | -1.44 | 0.77 | -2.28 | 2.70 | +0.37 | 4.18 | -0.92 | 39.78 | -0.75 | |
| Manassas (near) | 2.07 | -1.05 | 1.87 | -1.22 | 1.58 | -1.48 | 0.99 | -2.06 | 3.33 | -0.31 | 4.04 | +0.44 | 4.62 | +0.81 | 2.03 | -2.89 | 4.08 | +1.50 | 1.29 | -1.22 | 3.06 | +0.69 | 3.23 | -0.35 | 32.19 | -6.44 | |
| Martinsville | 2.98 | 0.87 | 2.05 | ..... | 2.38 | ..... | 4.00 | ..... | 7.80 | ..... | 7.88 | ..... | 2.76 | ..... | 1.82 | ..... | 1.09 | ..... | 4.78 | ..... | 3.53 | ..... | 41.94 | ..... |  |  |  |
| Mineral (near) | 3.16 | +0.04 | 2.90 | -0.26 | 2.83 | -0.55 | 1.21 | -1.93 | 2.94 | -0.88 | 2.91 | -1.23 | 5.59 | +1.19 | 1.19 | -1.77 | 2.73 | 3.11 | -0.04 | 1.27 | 2.66 | +0.40 | 3.43 | -0.35 | 33.78 | -7.05 | |
| Mount Weather | 1.17 | -1.73 | 1.70 | -0.80 | 2.09 | -0.84 | 1.75 | -1.81 | 4.11 | -2.17 | 1.46 | -2.34 | 1.96 | -1.84 | 1.84 | -2.62 | 3.73 | -0.88 | 1.95 | -1.92 | 4.09 | +1.59 | 4.35 | -0.89 | 69.10 | -10.48 | |
| New Canton | 2.58 | -0.97 | 1.99 | -0.96 | 3.93 | +0.10 | 1.49 | -1.83 | 3.41 | -0.01 | 6.72 | +2.99 | 6.51 | +2.62 | 2.48 | -2.45 | 3.33 | +0.30 | 1.01 | -2.17 | 3.29 | +0.94 | 3.67 | -0.37 | 40.41 | -1.07 | |
| Orange | 3.09 | +0.06 | 2.16 | -0.44 | 2.27 | -0.92 | 1.38 | -1.96 | 4.06 | +0.40 | 4.08 | -0.68 | 5.72 | +2.12 | 1.02 | -2.36 | 3.68 | +0.42 | 1.25 | -2.82 | 1.82 | +0.21 | 3.95 | -0.74 | 74.03 | -6.48 | |
| Pinnacles | 3.65 | 1.50 | 2.07 | ..... | 2.98 | ..... | 5.47 | ..... | 11.49 | ..... | 14.06 | ..... | 4.88 | ..... | 2.79 | ..... | 0.90 | ..... | 8.54 | ..... | 2.75 | ..... | 61.06 | ..... |  |  |  |
| Powhatan | 3.27 | +0.34 | 2.10 | -0.19 | 4.05 | +1.10 | 2.36 | -1.40 | 3.82 | +0.52 | 6.53 | +3.52 | 7.85 | +4.16 | 2.32 | -2.08 | 3.72 | +0.71 | 1.66 | -0.99 | 4.34 | +2.20 | 3.62 | -0.63 | 65.64 | +8.52 | |
| Quantico | 2.36 | -0.72 | 2.89 | +0.25 | 1.93 | -1.39 | 1.83 | -1.89 | 3.76 | +0.63 | 4.53 | +0.71 | 5.15 | +1.88 | 1.24 | -3.22 | 4.42 | +1.42 | 1.27 | -1.69 | 3.01 | +0.91 | 2.75 | -0.86 | 35.76 | -3.19 | |
| Randolph | 3.32 | -0.24 | 1.86 | -2.04 | 3.07 | -0.59 | 1.83 | -1.27 | 4.03 | +0.31 | 9.36 | +5.62 | 8.20 | +3.90 | 1.05 | -3.81 | 2.99 | +2.03 | 1.62 | -1.32 | 4.59 | +2.35 | 3.12 | -0.29 | 49.59 | +3.35 | |
| Rockymount | 3.14 | -0.22 | 1.10 | -2.11 | 2.42 | -1.52 | 0.86 | -2.88 | 4.38 | +0.71 | 8.61 | +3.77 | 7.61 | +2.82 | 3.36 | -1.29 | 1.96 | -1.66 | 0.82 | -3.04 | 4.04 | +1.61 | 2.82 | -0.59 | 42.7 | | |

Monthly and Annual Mean Temperatures for the Year 1938 with Departures from the Normal

| Stations | 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 |
| <i>Tidewater</i> | | | | | | | | | | | | | | |
| Cape Henry | 40.0 | -0.2 | 46.2 | +5.0 | 52.8 | +6.2 | 58.8 | +4.2 | 65.2 | +1.0 | 72.6 | -0.3 | 77.6 | +0.1 |
| Cheriton | 38.8 | -0.6 | 46.4 | +5.1 | 52.5 | +6.3 | 59.5 | +3.9 | 64.0 | -0.6 | 71.2 | -2.3 | 77.6 | +0.4 |
| Christchurch | 38.4 | -2.7 | 43.6 | +1.1 | 51.0 | +4.4 | 59.5 | +2.9 | 64.0 | +1.5 | 72.0 | -0.4 | 77.4 | +0.7 |
| Dahlgren | 36.6 | +0.3 | 42.2 | +3.7 | 50.6 | +5.2 | 57.7 | +3.6 | 64.0 | +1.5 | 72.0 | -0.5 | 78.6 | +1.0 |
| Diamond Springs | 41.0 | -2.3 | 46.0 | +2.3 | 54.5 | +4.7 | 60.4 | +2.6 | 66.2 | +0.4 | 73.2 | -0.5 | 80.0 | +3.4 |
| Holland | 39.5 | -0.1 | 45.4 | +5.8 | 53.0 | +6.6 | 56.6 | +3.7 | 65.6 | +1.0 | 70.2 | -2.5 | 78.9 | +0.7 |
| Hopewell | 39.2 | -0.7 | 46.2 | +5.4 | 58.9 | +4.9 | 61.0 | +3.7 | 66.2 | -1.4 | 72.8 | -2.5 | 76.4 | +2.3 |
| Langley Field | 39.4 | -1.5 | 45.4 | +4.4 | 58.4 | +5.7 | 59.8 | +3.7 | 65.8 | -0.1 | 73.0 | -1.2 | 78.0 | +0.9 |
| Norfolk | 41.2 | +0.6 | 46.8 | +4.1 | 54.6 | +6.4 | 60.8 | +4.0 | 74.5 | +0.1 | 79.0 | +0.3 | 84.8 | +3.0 |
| Onley | 38.7 | -0.5 | 44.4 | +3.7 | 51.0 | +5.4 | 58.2 | +3.8 | 63.2 | 0.0 | 71.0 | -1.7 | 76.2 | +2.2 |
| Richmond | 38.2 | +0.3 | 44.8 | +5.2 | 58.2 | +6.0 | 59.7 | +3.1 | 65.6 | -0.9 | 72.0 | -2.1 | 77.1 | -1.4 |
| Tapahannock | 35.8 | -0.2 | 42.7 | +5.8 | 59.4 | +6.9 | 63.2 | +3.7 | 67.2 | +2.0 | 73.6 | +0.8 | 79.0 | +3.3 |
| Walkerton | 37.8 | -0.3 | 43.6 | +5.2 | 59.8 | +6.1 | 65.1 | +3.7 | 72.2 | +1.0 | 77.4 | -1.2 | 82.2 | +0.2 |
| Williamsburg | 40.1 | -0.3 | 47.2 | +6.1 | 55.2 | +6.7 | 61.1 | +4.1 | 67.2 | +2.0 | 73.6 | +0.9 | 79.0 | +0.7 |
| Means | 38.9 | -0.7 | 45.1 | +4.1 | 52.9 | +5.6 | 59.5 | +3.7 | 65.3 | +0.3 | 72.5 | -1.0 | 77.5 | -0.4 |
| <i>Middle Virginia</i> | | | | | | | | | | | | | | |
| Callaville | 38.8 | -0.2 | 45.4 | +5.9 | 53.8 | +5.7 | 60.1 | +4.0 | 65.9 | +0.4 | 72.0 | -1.0 | 76.6 | -0.5 |
| Charlottesville (near) | 35.6 | -0.8 | 41.4 | +4.0 | 50.9 | +4.6 | 57.6 | +1.7 | 64.5 | -1.2 | 70.7 | -1.9 | 76.4 | +0.1 |
| Chatham | 38.4 | -1.6 | 45.1 | +2.0 | 58.2 | +6.2 | 65.2 | +2.9 | 69.6 | -0.1 | 70.4 | -3.7 | 76.2 | +2.8 |
| Clarksville | 38.4 | +0.8 | 46.1 | +5.1 | 54.0 | +6.4 | 60.9 | +1.4 | 66.8 | +1.5 | 72.6 | -0.9 | 77.8 | +0.8 |
| Columbia | 37.2 | +0.2 | 44.0 | +6.4 | 52.4 | +5.9 | 58.8 | +3.7 | 65.6 | +0.9 | 71.6 | -0.4 | 76.3 | +2.0 |
| Culpeper | 35.0 | +0.5 | 40.6 | +4.0 | 51.8 | +6.9 | 57.9 | +3.5 | 65.8 | +2.0 | 72.4 | +1.0 | 78.2 | +2.9 |
| Danville | 39.6 | -0.5 | 46.7 | +3.2 | 58.2 | +5.6 | 60.4 | +1.7 | 67.5 | +0.2 | 72.6 | -3.4 | 76.9 | +2.6 |
| Farmville | 35.0 | -0.9 | 45.4 | +7.9 | 58.4 | +7.2 | 68.0 | +2.8 | 65.1 | -1.5 | 71.1 | -3.5 | 76.3 | -3.2 |
| Fredericksburg (near) | 36.2 | -0.5 | 42.7 | +5.4 | 50.9 | +4.3 | 57.5 | +2.1 | 63.6 | -1.3 | 71.6 | -0.6 | 77.2 | +0.6 |
| Kenbridge | 38.3 | -0.1 | 44.8 | +5.0 | 58.0 | +8.8 | 65.2 | +2.1 | 71.0 | -0.1 | 75.4 | -0.1 | 80.1 | +1.9 |
| Lincoln | 34.4 | +1.4 | 41.8 | +7.8 | 49.0 | +5.2 | 56.4 | +3.0 | 64.4 | +0.5 | 72.8 | +1.2 | 79.4 | +5.2 |
| Lynchburg | 38.1 | +0.6 | 45.2 | +4.9 | 53.6 | +6.3 | 58.6 | +1.3 | 66.0 | -1.3 | 71.3 | -3.3 | 77.3 | +2.0 |
| Martinsville | 38.0 | -0.1 | 45.4 | +5.4 | 52.0 | +6.6 | 58.6 | +1.3 | 66.0 | -1.3 | 71.3 | -3.3 | 77.3 | +2.0 |
| Mineral (near) | 36.6 | +1.4 | 42.8 | +4.6 | 54.0 | +7.0 | 58.0 | +4.4 | 63.6 | +1.2 | 70.6 | +0.4 | 76.7 | +2.6 |
| Mount Weather | 29.4 | -1.2 | 37.0 | +6.1 | 43.6 | +4.4 | 52.0 | +2.8 | 59.1 | -0.2 | 67.0 | +0.1 | 73.6 | +2.4 |
| New Canton | 37.6 | +0.8 | 43.9 | +5.8 | 52.5 | +5.8 | 57.9 | +2.7 | 64.8 | +0.2 | 70.2 | -1.7 | 75.6 | +0.5 |
| Quantico | 35.4 | +0.4 | 40.9 | +5.6 | 49.5 | +4.7 | 56.9 | +2.8 | 63.2 | -0.8 | 72.3 | +0.2 | 76.6 | -0.4 |
| Rocky Mount | 37.0 | -0.7 | 43.1 | +4.3 | 51.8 | +4.9 | 56.2 | +0.5 | 65.6 | +0.9 | 73.8 | +1.9 | 78.5 | +1.5 |
| Stuart | 35.5 | -4.9 | 44.4 | +2.5 | 52.6 | +6.2 | 57.6 | +1.5 | 64.0 | -1.0 | 68.3 | -3.5 | 73.6 | -2.4 |
| Washington, D. C. | 35.7 | +2.3 | 40.9 | +5.6 | 49.8 | +7.2 | 57.1 | +3.8 | 63.4 | -0.3 | 72.8 | +0.6 | 78.4 | +3.6 |
| Means | 36.7 | -0.2 | 43.4 | +5.1 | 51.9 | +5.8 | 57.9 | +2.8 | 64.8 | 0.0 | 71.3 | -1.0 | 76.4 | 0.0 |
| <i>Great Valley</i> | | | | | | | | | | | | | | |
| Big Meadows | b30.2 | ..... | b36.8 | ..... | b42.0 | ..... | b47.6 | ..... | b53.6 | ..... | b60.6 | ..... | b65.7 | ..... |
| Blacksburg | 36.0 | +2.7 | 42.7 | +8.5 | 49.6 | +6.9 | 52.8 | +2.0 | 61.6 | +1.8 | 66.6 | -1.0 | 72.0 | +2.4 |
| Buchanan | 37.2 | +0.8 | 44.6 | +4.0 | 52.0 | +4.7 | 56.6 | +0.8 | 64.8 | +0.2 | 69.9 | -2.3 | 75.8 | +0.2 |
| Burkes Garden | 31.4 | -0.6 | 39.6 | +7.7 | 46.8 | +6.6 | 50.4 | +2.4 | 57.9 | +1.0 | 62.8 | -0.9 | 67.9 | +1.0 |
| Catawba Sanatorium | 35.6 | -0.8 | 41.2 | +2.3 | 49.6 | +4.7 | 52.5 | +1.1 | 61.6 | -0.8 | 67.5 | -2.1 | 72.3 | +0.3 |
| Dale Enterprise | 33.8 | +0.6 | 41.0 | +6.4 | 48.4 | +5.7 | 54.0 | +3.0 | 61.6 | -0.7 | 67.7 | -2.1 | 73.6 | +1.0 |
| Dante | 35.8 | -0.1 | 44.2 | +4.8 | 50.5 | +5.4 | 55.7 | +1.6 | 62.6 | +2.1 | 65.5 | -3.4 | 71.4 | +0.4 |
| Emory | 36.0 | -1.4 | 43.4 | +6.0 | 50.2 | +7.4 | 54.0 | +1.6 | 61.9 | +0.5 | 66.7 | -2.2 | 72.8 | -0.3 |
| Floyd | 33.3 | -0.3 | 39.6 | +6.0 | 49.0 | +6.7 | 53.7 | +3.0 | 60.5 | -0.1 | 67.5 | -0.1 | 73.6 | +1.4 |
| Glen Lyn | 34.4 | -0.2 | 42.2 | +5.0 | 50.2 | +6.9 | 56.6 | +2.8 | 64.0 | +1.2 | 70.6 | +0.4 | 77.4 | +1.6 |
| Hot Springs | 30.0 | -1.9 | 37.5 | +5.0 | 45.6 | +3.8 | 51.7 | +1.8 | 58.9 | -0.7 | 64.8 | -1.8 | 70.6 | +1.4 |
| Lexington | 34.8 | +0.6 | 42.2 | +6.4 | 49.8 | +5.9 | 54.6 | +1.5 | 62.0 | -0.4 | 67.7 | -2.8 | 73.8 | +1.7 |
| Mountaine Lake | 28.0 | -0.1 | 35.0 | -0.1 | 48.2 | -0.1 | 48.3 | -0.1 | 55.6 | -0.7 | 60.7 | -0.1 | 66.0 | -0.1 |
| Pennington Gap | 34.6 | -0.1 | 44.6 | -0.1 | 49.6 | -0.1 | 54.8 | -0.1 | 62.2 | -0.1 | 67.4 | -0.1 | 74.5 | -0.1 |
| Roanoke | 37.2 | -0.6 | 44.0 | +4.8 | 51.6 | +4.3 | 56.6 | +0.4 | 64.9 | -0.2 | 70.2 | -1.7 | 76.1 | +0.4 |
| Saltville | 34.4 | -0.6 | 41.3 | +3.0 | 48.6 | +4.4 | 56.4 | +2.4 | 63.8 | +1.7 | 69.0 | -0.9 | 74.4 | +0.9 |
| Staunton | 35.3 | -0.4 | 41.4 | +5.5 | 49.4 | +4.9 | 55.0 | +1.6 | 62.2 | -1.3 | 68.0 | -2.6 | 74.8 | +0.4 |
| Winchester | 33.0 | -0.5 | 40.4 | +5.6 | 48.4 | +5.5 | 56.1 | +3.1 | 62.7 | -0.8 | 71.2 | -0.9 | 77.4 | +0.6 |
| Woodstock | 34.6 | +0.8 | 41.8 | +7.4 | 48.9 | +4.8 | 56.2 | +3.4 | 62.9 | -0.5 | 69.6 | -0.6 | 76.6 | +0.5 |
| Wytheville | 34.8 | +1.8 | 40.8 | +5.7 | 49.4 | +7.1 | 52.9 | +0.9 | 60.8 | -0.6 | 66.4 | -2.3 | 71.6 | -1.0 |
| Means | 34.0 | 0.0 | 41.2 | +5.5 | 48.6 | +5.5 | 54.0 | +1.8 | 61.3 | 0.0 | 67.0 | -1.8 | 72.8 | +0.3 |
| State | 36.3 | -0.3 | 43.0 | +5.8 | 50.9 | +5.1 | 56.9 | +2.4 | 63.6 | -0.5 | 70.0 | -1.6 | 75.3 | -0.1 |

For explanation of reference marks, see page 50

Supplemental Table of Monthly and Annual Precipitation for the Year 1938

| Stations | | Counties | | Drainage-basin | | Elevation, feet | Length of record, years | January | February | March | April | May | June | July | August | September | October | November | December | Annual |
|-------------------------|--|--------------|--|----------------|--|-----------------|-------------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|--------|
| Appomattox | | Appomattox | | Appomattox | | .825 | 1 | 2.95 | 1.88 | 3.75 | 1.46 | 3.68 | 10.08 | 6.97 | 1.08 | 1.97 | 1.76 | 3.04 | 8.61 | 42.23 |
| Arlington | | Arlington | | Potomac | | 10 | 2 | 2.23 | 2.79 | 1.98 | 1.47 | 4.00 | 3.32 | 5.31 | 3.97 | 3.65 | 1.40 | 2.02 | 2.58 | 34.72 |
| Big Knob | | Scott | | Tennessee | | 3,200 | 4 | 3.60 | 1.86 | 4.28 | 3.64 | 5.07 | 2.59 | 9.89 | 2.19 | 3.13 | 0.83 | 3.93 | 2.16 | 42.67 |
| Buckingham | | Buckingham | | James | | 550 | 2 | 2.32 | 1.89 | 3.06 | 1.29 | 3.37 | ..... | 6.20 | 4.01 | 2.88 | 1.71 | 2.15 | 3.87 | 47.76 |
| Buena Vista | | Rockbridge | | do | | 835 | 2 | 1.98 | 1.22 | 2.49 | 1.55 | 3.37 | 5.21 | 5.19 | 4.35 | 1.53 | 1.05 | 4.91 | 2.91 | 35.76 |
| CCC Camp No. 1 | | Madison | | Shenandoah | | 3,400 | 4 | 2.82 | 2.38 | 3.03 | 2.43 | 4.39 | 4.14 | 6.46 | 4.53 | 3.04 | 1.79 | 6.71 | 6.16 | 47.88 |
| Cleveland | | Russell | | do | | 1,525 | 3 | 3.67 | 1.65 | 4.61 | 3.65 | 6.29 | 3.87 | 10.16 | 6.92 | 5.67 | 0.68 | 4.25 | 2.69 | 54.09 |
| Covington | | Allegheny | | James | | 1,245 | 2 | 1.77 | 1.04 | 2.64 | 1.54 | 4.03 | 4.25 | 5.85 | 3.20 | 1.86 | 0.60 | 3.25 | 2.47 | 32.50 |
| Damascus | | Washington | | Tennessee | | 1,930 | 6 | 3.82 | 2.58 | 3.81 | 3.65 | 7.19 | 5.74 | 10.83 | 3.69 | 2.74 | 0.21 | *3.30 | 1.42 | 48.98 |
| Dunbar | | Wise | | do | | 2,000 | 4 | 3.62 | 3.18 | 2.55 | 4.25 | 6.58 | 5.94 | 6.15 | 5.94 | 3.36 | 0.23 | 4.34 | 2.96 | 49.10 |
| Dunhammon | | Scott | | do | | 2,500 | 4 | 3.75 | 1.80 | 4.34 | 3.76 | 6.27 | 4.93 | 9.25 | 5.76 | 3.15 | 0.49 | 4.43 | 1.93 | 47.62 |
| Gordonsville | | Orange | | York | | 442 | 1 | ..... | 2.48 | 0.92 | 3.72 | 2.96 | 6.22 | 2.01 | 1.12 | 1.23 | 2.48 | 3.38 | ..... | ..... |
| High Knob | | Wise | | Tennessee | | 4,000 | 4 | 4.47 | 4.50 | 5.01 | 4.25 | ..... | ..... | 6.39 | 7.44 | 4.85 | 0.69 | ..... | ..... | ..... |
| Holston | | Washington | | do | | 3,450 | 4 | 3.44 | 2.15 | 4.46 | 3.98 | 5.86 | 4.96 | 8.51 | 3.84 | 4.11 | 0.77 | 4.17 | 2.39 | 48.64 |
| Honaker | | Russell | | do | | 2,400 | 4 | 3.61 | 4.09 | 4.77 | 4.38 | 6.64 | 3.43 | 7.49 | 4.16 | 4.79 | 0.47 | 3.81 | 2.30 | 49.94 |
| Jewell Ridge | | Tazewell | | do | | 2,700 | 3 | 2.88 | 2.81 | 4.55 | 2.81 | 4.53 | 6.64 | 7.04 | 6.37 | 3.68 | 0.56 | 3.57 | 1.04 | 47.38 |
| Jonesville | | Lee | | do | | 1,400 | 4 | 4.67 | 2.85 | 4.56 | 5.74 | 5.65 | 6.37 | 9.44 | 2.08 | 3.05 | 0.35 | 3.97 | 3.64 | 52.37 |
| Loves Mill | | Washington | | do | | 2,040 | 4 | 3.37 | 2.22 | 3.79 | 3.64 | 5.90 | 5.44 | 10.71 | 3.69 | 3.39 | 0.39 | 3.44 | 1.38 | 47.36 |
| Lynchburg (Airport) | | Campbell | | James |  | ..... | 2 | 2.95 | 1.17 | 3.67 | 1.31 | 3.26 | 7.43 | 6.21 | 1.37 | 1.25 | 1.59 | ..... | ..... | ..... |
| Marion | | Smyth | | Tennessee | | 2,150 | 4 | 2.94 | 1.68 | 3.06 | 3.16 | 6.57 | 5.35 | 7.24 | 5.07 | 5.07 | 0.43 | 3.22 | 1.06 | 44.85 |
| Montebello | | Nelson | | James | | 2,500 | 2 | 3.36 | 1.08 | 2.58 | 1.62 | 3.81 | 5.42 | 6.12 | 2.92 | 1.45 | 2.25 | 6.24 | 3.76 | 40.61 |
| Mount Jackson | | Shenandoah | | do | | 900 | 2 | 1.07 | 0.93 | 1.86 | 1.10 | 4.94 | 2.98 | 7.56 | 2.31 | 2.18 | 1.49 | 3.34 | 4.03 | 33.79 |
| Mount Solon | | do | | do | | 1,400 | 2 | 1.64 | 0.95 | 2.30 | 1.60 | 4.54 | 6.10 | 5.56 | 2.52 | 2.05 | 0.40 | 2.30 | ..... | ..... |
| Murters Gap | | Russell | | Tennessee | | 3,925 | 4 | 4.15 | 2.64 | 4.55 | 4.13 | 5.84 | 6.17 | 8.62 | 2.94 | 4.65 | 0.89 | 4.32 | 2.49 | 51.33 |
| Nebo | | Smyth | | do | | 2,425 | 4 | 3.33 | 2.26 | 3.94 | 3.31 | 5.34 | 5.19 | 5.06 | 3.50 | 3.44 | 0.25 | 4.13 | 1.74 | 41.49 |
| New Castle | | Craig | | James | | 1,300 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | 7.54 | 2.45 | 1.35 | 0.44 | 2.88 | 2.36 | ..... |
| North Garden | | Albermarle | | do | | 700 | 1 | 2.74 | 1.50 | 3.45 | 1.55 | 3.53 | 7.16 | 7.69 | 5.07 | 3.63 | 1.56 | 3.13 | 5.16 | 46.17 |
| Olinger | | Lee | | Tennessee | | 1,400 | 4 | 4.42 | 2.22 | 4.69 | 5.50 | 6.95 | 5.43 | 4.84 | 4.34 | 2.85 | 0.30 | 4.04 | 2.91 | 48.49 |
| Panorama | | Rappahannock | | Rappahannock | | 2,304 | 4 | 2.72 | 1.95 | 2.27 | 1.96 | 5.27 | 5.64 | 5.67 | 4.26 | 2.43 | 1.30 | 5.62 | 5.12 | 44.21 |
| Pedlar Dam | | Amherst | | James | | 800 | 5 | 2.25 | 1.37 | 2.62 | 2.16 | 4.91 | 8.62 | 11.27 | 7.27 | 0.88 | 1.06 | 6.06 | 3.98 | 53.45 |
| Rattlesnake Point | | Rappahannock | | do | | 3,100 | 4 | 2.59 | 1.95 | 0.92 | 2.19 | 4.85 | 5.46 | 5.97 | 2.52 | 3.65 | 0.93 | 4.59 | 5.52 | 43.20 |
| Kichmond (Byrd Airport) | | Henrico | | James | | 160 | 2 | 4.03 | 1.99 | 3.64 | 3.30 | 4.88 | 9.24 | 11.73 | 1.42 | 3.94 | 1.57 | 2.74 | 2.74 | 51.22 |
| Roanoke (Airways) | | Roanoke | | do | | 907 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Rockfish | | James | | do | | 500 | 2 | 2.76 | 1.33 | 3.33 | 1.56 | 3.20 | 9.83 | 8.27 | 5.64 | 4.06 | 1.34 | 3.06 | 4.87 | 49.27 |
| Rose Hill | | Lee | | Tennessee | | 1,500 | 3 | 5.63 | 2.33 | ..... | 5.89 | 8.64 | 5.48 | 7.25 | 5.39 | 2.27 | 0.25 | 3.93 | 2.74 | ..... |
| Spring Creek | | Tazewell | | do | | 3,150 | 4 | 2.83 | 2.24 | 3.16 | 2.15 | 5.57 | 6.20 | 6.98 | 1.20 | 6.97 | 0.58 | 2.40 | 2.07 | 42.36 |
| Swords Creek | | Russell | | do | | 2,000 | 3 | 3.41 | 2.84 | 3.49 | 3.62 | 6.21 | 5.23 | 8.97 | 4.06 | 5.53 | 0.30 | 3.48 | 2.20 | 50.64 |
| Tazewell | | do | | do | | 2,450 | 4 | 1.36 | 2.42 | 4.60 | 3.11 | 6.54 | 4.52 | 7.29 | 3.20 | 4.53 | 0.59 | 2.57 | 1.83 | 42.50 |
| TROUTDALE | | Grayson | | do | | 3,450 | 4 | 3.64 | 2.43 | 4.43 | 3.29 | 6.95 | 3.98 | 9.96 | 4.04 | 3.82 | 0.21 | 4.82 | 0.96 | 45.83 |
| The River | | Nelson | | James | | 551 | 1 | 3.53 | 1.19 | 2.64 | 1.29 | 3.87 | 11.24 | 6.71 | 7.81 | 2.00 | 2.28 | 4.00 | 4.87 | 49.83 |
| Urbanna | | Middlesex | | Chesapeake Bay | | 20 | 2 | 2.85 | 2.62 | 3.67 | 2.45 | 3.91 | 6.06 | 14.74 | 2.72 | 7.07 | 2.35 | 2.87 | 2.39 | 53.70 |
| Wallace | | Washington | | Tennessee | | 1,875 | 4 | 4.10 | 2.02 | 4.55 | 3.94 | 5.34 | 4.78 | 6.79 | 3.82 | 4.40 | 0.36 | 3.46 | 2.08 | 45.64 |

KILLING FROSTS 1938

| Stations | Last in spring | First in autumn | Stations |
|---------------------------|-------------------|--------------------|------------------------|
| <i>Tidewater Virginia</i> | | | Pinnacles..... |
| Cape Henry..... | Mar. 4 | Nov. 25 | Pophatwan..... |
| Cheriton..... | Mar. 29 | Nov. 1 | Quantico..... |
| Christchurch..... | Mar. 11 | Nov. 25 | Randolph..... |
| Dahlgren..... | Feb. 17 | Nov. 10 | Rockymount..... |
| Diamond Springs..... | Mar. 29 | Nov. 25 | Stuart..... |
| Emporia..... | Apr. 9 | Nov. 15 | Washington..... |
| Holland..... | Apr. 3 | Nov. 15 | <i>Great Valley</i> |
| Hopewell..... | Mar. 11 | Nov. 25 | Afton..... |
| Langley Field..... | Mar. 1 | Nov. 25 | Big Meadows..... |
| Norfolk..... | Mar. 4 | Nov. 25 | Blacksburg..... |
| Onley..... | Mar. 11 | Nov. 15 | Buchanan..... |
| Richmond..... | Mar. 11 | Nov. 10 | Burkes Garden..... |
| Tappahannock..... | Apr. 11 | Nov. 10 | Catawba Sanatori..... |
| Walkerton..... | Apr. 11 | Nov. 10 | Clifton Forge..... |
| Wallacetown..... | Apr. 4 | Oct. 26 | Daie Enterprise..... |
| Williamsburg..... | Apr. 11 | Nov. 1 | Dante..... |
| <i>Middle Virginia</i> | | | Deerfield..... |
| Bedford..... | Apr. 11 | Nov. 10 | Emory..... |
| Callaway..... | Mar. 29 | Nov. 10 | Floyd..... |
| Charlottesville..... | Apr. 8 | Nov. 16 | Glen Lyn..... |
| Chatham..... | Apr. 11 | Nov. 10 | Hot Springs..... |
| Clarendon..... | Apr. 10 | Nov. 1 | Lexington..... |
| Clarksville..... | Feb. 28 | Nov. 15 | Meadolla..... |
| Columbia..... | Mar. 11 | Oct. 8 | Monterey..... |
| Culpeper..... | Apr. 11 | Oct. 8 | Moores Creek Dam..... |
| Danville..... | Mar. 11 | Nov. 10 | Mountain Lake..... |
| Farmville..... | Apr. 11 | Oct. 8 | North River Dam..... |
| Fredericksburg..... | Apr. 11 | Oct. 26 | Pennington Gap..... |
| Halifax..... | Mar. 25 | Nov. 10 | Radford..... |
| Kenbridge..... | Apr. 11 | Nov. 10 | Roanoke..... |
| Lincoln..... | Apr. 24 | Nov. 10 | Saltville..... |
| Lynchburg..... | Mar. 28 | Nov. 10 | Sexton Shelter..... |
| Massassas..... | Apr. 24 | Oct. 8 | Shen's Camp No. 1..... |
| Martinsville..... | Mar. 12 | Oct. 8 | Staunton..... |
| Mineral..... | Mar. 25 | Oct. 26 | Timberville..... |
| Mount Weather..... | Apr. 11 | Oct. 6 | Winchester..... |
| New Canton..... | Apr. 11 | Oct. 26 | Woodstock..... |
| Orange..... | Apr. 24 | Oct. 21 | Wytheville..... |

MONTHLY STATE DATA 1938

| Month | Temperature | | | | Precipitation | | | | Number of days | | | |
|---------------|-------------|---------------------------|---------|---------|---------------|---------------------------|---------|------------------|-------------------|----------------------------------|-------|---------------|
| | Mean | Departure from the normal | | Highest | Lowest | Departure from the normal | | Greatest 24-hour | Average snow-fall | With 0.01 in. or more of precip. | Clear | Partly cloudy |
| | | Departure from the normal | Average | | | Departure from the normal | Average | | | | | |
| January..... | 36.3 | -0.3 | 69 | -3 | 2.73 | -0.60 | 2.00 | 1.9 | 10 | 11 | 7 | 13 |
| February..... | 43.0 | +5.8 | 79 | 5 | 1.65 | -1.44 | 1.63 | 0.6 | 7 | 10 | 7 | 11 |
| March..... | 50.9 | +5.1 | 89 | 10 | 3.03 | -0.68 | 2.35 | 0.6 | 10 | 13 | 8 | 10 |
| April..... | 56.9 | +2.4 | 92 | 18 | 2.59 | -0.75 | 3.10 | 0.1 | 9 | 15 | 9 | 10 |
| May..... | 63.6 | -0.5 | 95 | 30 | 4.31 | +0.57 | 2.69 | 0.0 | 13 | 13 | 8 | 10 |
| June..... | 70.0 | -1.6 | 95 | 33 | 6.21 | +2.02 | 5.49 | 0.0 | 13 | 12 | 9 | 9 |
| July..... | 75.3 | -0.1 | 101 | 48 | 7.22 | +2.67 | 7.13 | 0.0 | 14 | 13 | 9 | 9 |
| August..... | 76.1 | +2.0 | 101 | 44 | 2.61 | -1.75 | 2.56 | 0.0 | 7 | 20 | 7 | 8 |
| September.... | 67.5 | -1.1 | 95 | 35 | 3.99 | +0.84 | 4.87 | 0.0 | 10 | 11 | 12 | 12 |
| October..... | 57.1 | -0.2 | 92 | 22 | 1.23 | -1.77 | 1.26 | 0.0 | 4 | 22 | 5 | 4 |
| November.... | 49.0 | +2.8 | 84 | 0 | 3.81 | +1.38 | 3.64 | 4.2 | 8 | 17 | 7 | 7 |
| December.... | 38.0 | 0.0 | 69 | 2 | 2.88 | -0.28 | 2.73 | 1.8 | 14 | 7 | 7 | 5 |

*Estimated

ERRATA

February—Clinchport, precipitation departure published -1.09; should be -2.06.
April—Catawba Sanatorium, precipitation departure published +0.64; should be -0.64.

May—Catawba Sanatorium, temperature departure published +0.8; should be -0.8.
June—Staunton, temperature departure published +2.6; should be -2.6.

September—Clinchport, precipitation departure published -0.08 ; should be -0.18 .

CHART SHOWING LOCATION OF OBSERVATION STATIONS

