

CLIMATOLOGICAL DATA

38

VIRGINIA SECTION

F. N. HIBBARD

VOL. LIV

RICHMOND, VA., YEAR 1944

No. 13

GENERAL SUMMARY

Temperatures in Virginia in 1944 averaged only 0.1° above the 54-year mean, and the annual precipitation showed an excess of 3.07 inches. The average snowfall and the number of days with precipitation and the clear, partly cloudy, and cloudy days were all approximately normal.

There were five months with average temperatures above normal and seven that were subnormal. May was the warmest of record. December was the coldest month of the year and was also the month with the greatest minus departure. In extremes, June 19 was the hottest day of the year at most stations, and 106° at Diamond Springs was only one degree below the highest ever recorded in the month. The lowest temperature for the year, -2°, at Burkes Garden on February 13, did not closely approach the record low reading.

Following a January which was drier than usual, and February and March which were comparatively wet, dry weather prevailed until September. The average precipitation for September exceeded the greatest of record by more than one inch. At 23 stations the rainfall was greater than any previous September and at 8 of these, it was the greatest for any month of record.

The growing season was only fairly favorable. Early Spring truck plantings were delayed by the heavy March rains. In May, a disastrous drought began in the Eastern third of Virginia. This drought spread westward during June and July, and caused great damage to pastures and hay crops and to apples and peaches to a less degree. Corn was badly damaged in some sections. Cotton, peanuts and tobacco survived the drought in fair to good condition.

On March 4, tornadoes in Lee and Washington counties caused injury to 36 people and did an estimated damage of \$650,000 to property. On April 24, a small tornado near South Hill caused the deaths of three persons. Property damage from this storm was only \$5,000. On May 14 and 23 hail at several points in the state did an estimated damage of \$120,000, chiefly to crops. A series of wind and hail storms on June 19 to 23 caused about \$700,000 damage to crops and property in the extreme Northern counties.

On September 14 a severe hurricane lashed the coastal area of Virginia. Several people were drowned in vessels offshore. Property damage in Virginia was estimated at one million dollars, and crop damage at \$1,500,000. Torrential rains along the Eastern slope of the Blue Ridge on September 18 and 19 resulted in severe floods in the Roanoke and James River basins. At Cartersville, Columbia, and Brems Bluff, the James River reached stages higher than had ever been known before. Two lives were lost in the floods and the combined damage to highways and bridges, property and crops was at least \$1,225,000. On December 27 and 29 glaze storms made highways dangerous and caused the death of one person, and minor injuries to a dozen others.

S. B. T.

MONTHLY STATE DATA 1944

Month	Temperature				Precipitation				Number of days			
	Mean	Departure from the normal	Highest	Lowest	Average	Departure from the normal	Greatest 24-hour	Average snow-fall	With 0.01 in. or more of precip.	Clear	Partly cloudy	Cloudy
January	37.5	+1.0	79	0	2.62	-0.64	3.00	3.0	6	14	8	9
February	39.7	+2.5	82	-2	4.92	+1.85	3.06	2.3	12	10	7	12
March	43.8	-1.9	86	-1	5.57	+1.87	3.80	1.5	13	13	6	12
April	54.0	-0.5	89	11	3.05	-0.24	3.55	0.3	10	12	6	9
May	69.3	+5.0	96	29	3.02	-0.66	3.80	0.5	18	18	5	4
June	74.1	+2.2	106	34	2.35	-1.82	3.10	0.0	15	10	5	5
July	75.3	-0.1	102	40	3.51	-1.11	5.22	0.0	15	10	6	6
August	73.8	-0.3	102	35	3.52	-0.93	6.15	0.0	15	10	6	6
September	68.7	+0.1	100	32	7.81	+4.66	8.88	0.0	11	11	10	10
October	56.4	-1.0	91	20	5.29	+0.27	4.44	0.1	18	18	6	6
November	45.8	-0.8	79	9	2.62	+0.20	5.68	0.6	11	11	11	11
December	33.8	-4.3	69	0	2.67	-0.38	1.71	5.0	8	11	13	13

KILLING FROSTS 1944

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
<i>Tidewater Virginia</i>			Charlottesville	Apr. 6	Nov. 24
Assateague Beach	Apr. 5	Oct. 21	Chatham	Apr. 6	Oct. 16
Cape Henry	Mar. 10	Nov. 13	Clarendon	Apr. 7	Oct. 16
Capron	Apr. 6	Oct. 16	Clarksville	Apr. 6	Oct. 16
Cheriton	Apr. 4	Nov. 13	Columbia	Apr. 6	Oct. 23
Dahlgren	Apr. 6	Nov. 13	Crozet	Apr. 6	Oct. 16
Diamond Springs	Apr. 6	Nov. 8	Culpeper	Apr. 6	Oct. 16
Driver	Apr. 6	Nov. 26	Danville	Apr. 6	Oct. 28
Emporia	Apr. 30	Oct. 16	Elkwood	Apr. 29	Oct. 16
Hog Island	Apr. 5	Nov. 8	Farmville	Apr. 6	Oct. 16
Holland	Apr. 6	Nov. 23	Fredericksburg	Apr. 6	Oct. 16
Hopewell	Apr. 6	Oct. 23	Halifax	Apr. 6	Oct. 16
Langley Field	Apr. 6	Nov. 12	Kenbridge	Apr. 6	Oct. 23
New Church	Apr. 4	Nov. 13	Lincolnton	Apr. 6	Oct. 16
Norfolk	Apr. 6	Nov. 13	Louisiana	Apr. 6	Oct. 16
Onley	Mar. 22	Oct. 23	Lynchburg	Apr. 5	Nov. 16
Princess Anne	Apr. 6	Nov. 8	Manassas	Apr. 5	Oct. 16
Richmond	Apr. 6	Nov. 7	Martinsville	Apr. 6	Oct. 16
Saluda	Apr. 6	Oct. 23	Mount Weather	Apr. 30	Oct. 24
Smithfield	Apr. 6	Oct. 23	New Canton	Apr. 6	Oct. 16
Surry	Apr. 6	Oct. 16	Orange	Apr. 6	Oct. 16
Urbanna	Apr. 6	Nov. 13	Pinnacles	Apr. 30	Oct. 16
Walkerton	Apr. 6	Oct. 16	Quantico	Apr. 6	Oct. 23
Wallaceton	Apr. 4	Oct. 23	Randolph	Apr. 29	Oct. 28
Warsaw	Apr. 6	Oct. 16	Rocky Mount	Apr. 14	Oct. 17
Williamsburg	Apr. 6	Oct. 16	State Farm	Apr. 6	Oct. 16
<i>Middle Virginia</i>			Stuart	Apr. 6	Oct. 23
Bedford	Apr. 6	Oct. 16	Vienna	Apr. 5	Oct. 16
Callaville	Apr. 6	Oct. 23	Washington, D. C.	Apr. 4	Oct. 23

(Killing Frost Data Continued on Page 52)

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Mean temperature	Highest	Lowest	Average precipitation	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
1891	55.6	106	-8	47.94	.....	95	163	101	102
1892	54.6	106	-8	39.45	.....	103	156	100	109
1893	54.7	104	-26	46.22	23.1	88	166	104	95
1894	56.8	106	-11	35.76	17.0	94	174	103	88
1895	54.4	107	-18	38.23	38.8	93	163	106	97
1896	56.6	105	-10	42.64	12.3	92	171	99	95
1897	56.0	103	-15	39.19	11.8	108	162	101	102
1898	56.6	105	-9	44.71	8.7	98	176	95	94
1899	55.4	106	-29	42.20	36.7	86	181	91	93
1900	57.1	110	-8	39.52	18.6	100	167	94	104
1901	54.5	106	-14	49.99	9.5	95	170	97	98
1902	55.6	108	0	40.67	14.9	95	172	89	104
1903	54.9	105	-13	44.09	8.4	95	170	101	95
1904	53.7	100	-14	36.11	24.9	111	155	112	98
1905	54.9	98	-15	43.27	18.5	124	143	120	102
1906	56.2	102	-2	50.03	15.2	115	159	115	91
1907	54.5	97	-16	44.41	17.4	110	162	108	96
1908	55.5	102	-20	46.17	30.0	101	171	104	90
1909	55.6	102	-5	38.02	12.9	112	151	116	98
1910	54.8	102	-9	41.37	20.3	115	149	110	106
1911	56.8	104	0	41.00	9.2	103	165	106	95
1912	54.9	100	-25	40.88	24.6	100	178	98	89
1913	57.2	102	-3	42.33	4.0	101	168	100	97
1914	55.1	103	-17	36.66	39.8	101	168	100	89
1915	55.6	101	-5	40.03	13.5	97	160	116	89
1916	55.6	102	-11	38.94	18.6	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	169	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	58.4	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	32.63	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	169	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	46.68	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
1939	57.2	101	-1	41.26	15.9	106	176	91	98
1940	54.3	105	-20	44.59	22.7	112	159	96	111
1941	56.8	102	-2	30.81	10.7	86	190	93	82
1942	56.4	106	-14	48.59	16.6	115	164	94	107
1943	56.2	104	-8	35.92	12.9	100	180	96	89
1944	56.0	106	-2	44.94	12.3	107	165	97	104
1945	.....	.....	.....	.....	.....	.....	.....	.....	.....
NORMALS OR EXTREMES	55.9	110	-29	41.87	16.7	104	163	101	101

Climatological Data for the Year 1944

Table with columns: Stations, Counties, Elevation, Temperature (Length of record, Annual mean, Highest, Date, Lowest, Date), Precipitation (Length of record, Total for the year, Greatest monthly, Month, Least monthly, Month, Total snowfall), Number of rainy days, Number of clear days, Number of partly cloudy days, Number of cloudy days, Prevailing direction of wind.

Section and State averages are computed from monthly means. The mean departures from normal temperature and precipitation are based only on records from stations that have 10 or more years of observation. Reference letters, a, b, c, appearing in the tables indicate number of days missing: for example, a represents two days, etc. T. Precipitation is less than 0.005 inch rain or snow. †Also on other dates. *Interpolated. †Partially interpolated. ††Post-office addresses of these stations are as follows: Diamond Springs, Norfolk; Lincoln, Purcellville; Mount Weather, Bluemont; Wallaceton, Hickory; Pinnacles, Meadows of Dan; Balcony Falls, Glasgow; Big Meadows, Luray; Moores Creek Dam, Lexington; North River Dam, Staunton. Figures and letters following station name indicate distance and direction of station from the city Post Office.

Monthly and Annual Precipitation for the Year 1944 with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows are categorized by region: Tidewater, Middle Virginia, and Great Valley. Each station entry includes monthly precipitation and departure from normal, followed by annual totals and departures.

NOTE.—In this publication, annual means are computed from data for all stations; except those in supplemental table; whereas, in monthly reports, means may not include all stations, as in some cases reports are not received in time to be used in the computations. All means include the interpolated values. *Interpolated.

Monthly and Annual Mean Temperatures for the Year 1944 with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows are categorized by region: Tidewater, Middle Virginia, and Great Valley. Each station entry includes monthly mean temperature and departure from normal, followed by annual mean and departure.

For explanation of reference marks, see page 50.

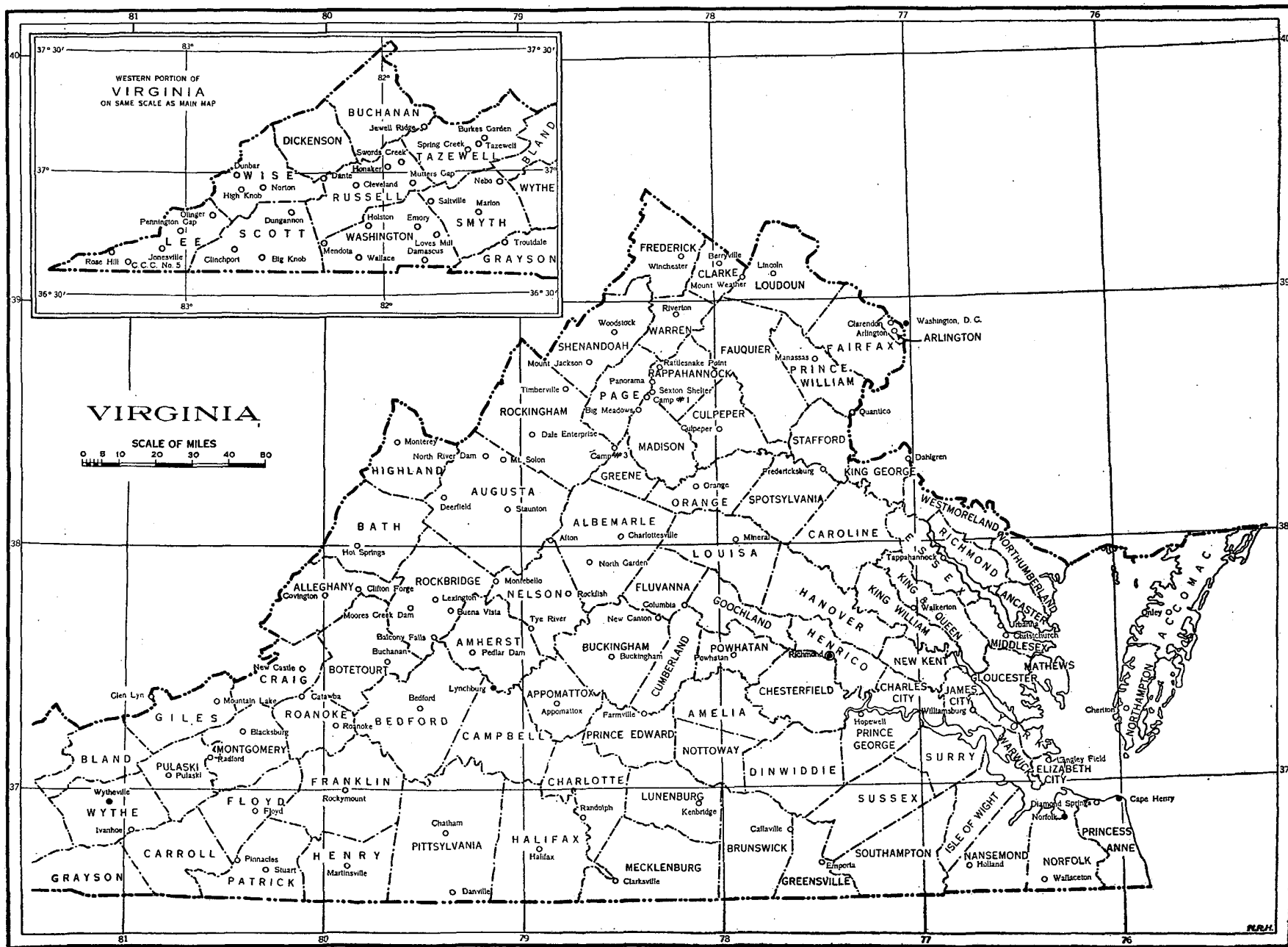
KILLING FROSTS 1944-Continued

Table with columns for Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Lists dates for killing frosts across various Virginia locations.

Supplemental Table of Monthly and Annual Precipitation for the Year 1944

Stations	Counties	Drainage-basin	Elevation, feet	Length of record, years	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Abingdon	Washington	Tennessee	2,000	2	2.08	7.82	4.11	3.06	3.80	0.98	1.37	3.89	4.64	3.37	2.88	3.01	39.91
Amisville	Rappahannock	Rappahannock		2								4.27	7.98	3.20	1.70	2.71	
Appomattox	Appomattox	Appomattox	825	7	2.07	5.06	5.12	4.52	3.56	0.64	2.05	14.49	2.12	2.40	1.92	45.78	
Assateague Beach	Accomac	Atlantic	10	5	3.19	4.25	5.68	3.80	1.89	1.53	1.94	1.52	3.02	1.97	3.70	1.60	34.09
Augusta Springs	Augusta	North	1,700	5	1.56	3.47	4.91	2.24	6.97	1.50	2.34	1.35	5.04	2.58	1.92	2.16	36.04
Bacon	Fairfax	Potomac	380	3	2.93	1.64		2.94	1.44	2.18	2.06	3.85	3.92	3.66	2.78	3.35	
Big Knob	Scott	Tennessee	3,200	10	2.11	7.36	5.28	3.15	1.94	0.93	0.97	2.23	4.04	2.11	2.86	2.43	35.41
Big Stone Gap	Wise	Clinch	1,550	2	2.74	9.54	7.25	4.64		2.91	1.55	6.93		2.24	2.85		
Blackstone	Nottoway	Nottoway	440	3	2.23	5.43	6.23	4.38	3.76	0.31	5.66	4.11	6.01	2.41	3.61	2.32	46.36
Bland	Bland	New						2.34	2.07			4.18	3.65	3.21	1.78	2.48	
Bremo Bluff	Fluvanna	James	225	5	2.11	4.61	6.05	2.94	3.49	0.45	3.26	3.77	11.34	2.34	2.46	2.75	45.57
Buena Vista	Rockbridge	do	835	8	2.08	3.90	4.57	2.68	4.10	1.79	3.33	1.54	9.12	3.22	1.79	2.78	40.90
Byllesby	Carroll	New	2,208	2	2.61	5.53	4.31	2.99	5.31	2.56	3.86	2.37	6.90	4.47	2.00	1.17	45.08
Churchville	Augusta	Shenandoah	1,475	4	1.27	3.29	4.72	2.15	3.78	1.63	1.01	4.64	6.46	2.75	1.26	2.45	35.41
Cleveland	Russell	Tennessee	1,525	9	2.27	8.41	5.48	3.42	2.12	4.57	2.41	8.68	5.99	3.76	2.77	3.08	52.96
Cootes Store	Rockingham	Shenandoah	1,050	3	1.08		3.18	1.85	4.58	2.30	3.26	2.16	5.52	3.48	0.65	1.85	
Copper Hill	Floyd	Roanoke	2,800	4	2.27	5.70	5.15	2.02	4.62	2.73		3.93	9.43	3.92		2.05	
Covington	Allegheny	Jackson	1,245	8	1.76	3.64	4.47	1.66	4.42	1.42	2.18	1.65	5.55	3.08	1.69	2.56	33.88
Davenport	Buchanan	Ohio	1,600	4	2.25	7.19	4.82	2.75	3.31	2.65	2.74	6.82	3.87	3.80	2.82		
Delaplaine	Fauquier	Potomac	455	4	2.67	3.05	4.39	2.64	2.93	4.91	1.50	3.01	5.63	4.54	1.68	3.19	39.54
Dunbar	Wise	Tennessee	2,000	10	2.13	8.32	6.91	4.52	4.09	2.99	1.72	7.28	6.28	3.83	3.43	3.67	54.03
Dungannon	Scott	do	2,500	10	2.38	7.88	7.06	2.45	2.05	1.23	2.50	3.18	3.68	1.98	1.16	1.15	40.70
Fieldale	Henry	Roanoke		2	2.65	4.65	6.54	3.12	2.46	2.28	1.77	2.47	9.26	3.48	2.41	2.64	43.73
Foraker	Dickenson	Tennessee	1,982	4		7.15	5.05		2.63	4.47	1.64	6.02	6.05		2.84		
Galax	Grayson	New	2,380	4	2.35	4.87	5.55	1.98	3.67	3.93	4.19	2.75	7.23	4.80	2.04	2.20	45.61
Glade Spring	Washington	Tennessee	2,200	3	1.98	4.40	5.11	3.09	3.70	3.69		3.37	6.20	3.85	0.80		
Gordonsville	Orange	James	442	7	2.25	7.75	4.97	3.10	2.07	3.89		4.98	9.49	3.59	2.31		46.92
Goshen	Rockbridge	North	1,300	5	1.64	2.56	4.26	1.69	4.06	1.37	1.86		6.78	2.62		2.31	
Gracelose	Smyth	Tennessee	2,550	2	1.76	6.89	4.94	2.92	3.04	2.85	4.02	2.60	6.35	5.05	2.22	4.11	46.05
Haysi	Dickenson	Ohio		4	2.16	6.89	5.98	4.26	3.56	4.99	2.05	4.03	4.29	3.27	2.89	3.02	48.19
High Knob	Wise	Tennessee	4,150	10	2.59	9.56	7.58	4.61	4.55	3.88	2.23	5.88	6.45	2.17	2.82	2.58	55.40
Hillsville	Carroll	New	2,570	3	1.76	5.03	5.36	2.10	3.89	1.63	4.99	1.45	7.19	4.03		2.80	
Hog Island	Northampton	Atlantic	10	5	4.43	5.08	4.77	3.33	1.53	2.37	3.60	2.44	9.66	3.03	4.74	2.86	47.29
Holston	Washington	Tennessee	3,450	10	2.02	6.30	5.14	2.42	3.55	2.05	0.47	2.77	4.36	3.40	2.86	4.30	39.64
Honaker (near)	Russell	do	2,400	10	1.90	3.31	6.06	3.58	3.93	3.35	1.93	5.86	5.73	5.01	2.94	3.52	52.42
Honaker	do	do	1,950	1	1.90	7.57	5.70	2.60	*2.73	2.17	1.47	4.64	*4.42	*4.16	2.08	3.51	42.95
Hurley	Buchanan	Ohio	995	4	2.25	5.51	5.82	4.17	4.78	2.45	1.71	3.46	7.23	3.96	2.47	3.64	47.45
Independence	Grayson	New	2,700	4	2.12	5.96	5.79	1.98	2.63	0.92	5.05	3.67	8.43	4.36	2.59	1.97	45.47
Indian Valley	Floyd	do	2,700	4	1.80	5.76	5.09	2.13	5.24	3.93	4.28	2.16	6.96	3.65	2.37	2.42	45.79
Jonesville (TVA)	Lee	Tennessee	1,400	10	1.89	10.29	7.84	3.69	2.56	3.09	1.18	2.86	6.35	1.61	3.14	3.87	48.37
Jonesville (VPI)	do	do	1,530	1	1.94	9.52	7.38		1.28	2.11	1.86	4.24	5.61	0.92			
Jordan Mines	Allegheny	James	1,850	4	2.22	4.12	3.83	1.20	4.56	1.43	1.96	2.46	3.58	3.75	1.54	3.12	38.77
Kerr's Creek	Rockbridge	North	1,400	4	1.57	3.81	3.34	2.54	1.19	2.13		2.48	9.60	2.19	1.15	1.16	
Loves Mill	Washington	Tennessee	2,040	10	2.12	8.73	4.77	3.60	5.98	4.17	1.13	4.27	8.13	3.16	2.39	3.25	51.10
Lynchburg (Airport)	Campbell	James	929	3	1.88	5.13	4.45	3.15	3.06	3.04	2.53	1.89	10.87	2.01	2.03	1.96	42.00
Manion	Fairfax	Potomac	450	3	2.82	1.87	3.85	2.24	1.24	2.74	1.65	4.11	4.21	3.11	2.66		
Manion	Smyth	Tennessee	2,150	10	1.14	6.92	4.79	3.30	2.28	2.79	3.51	3.80	6.11	3.64	1.85	2.12	40.25
Mc Dowell	Highland	James	2,050	5	1.50	3.18	4.18	1.38	5.66	2.96	1.92	3.71	4.73	2.94	1.13		
Mc Gaybysville	Rockingham	Shenandoah	1,050	4	2.46	2.38	3.95	2.64	3.72	2.83	0.83	3.49	7.75	4.23	1.28	2.97	37.53
Meadowview	Washington	Tennessee	1,860	2	1.75	8.05	4.63	3.01	3.41	5.25	0.66	*6.87	5.75	2.97	3.05	3.34	48.74
Mons	Hedford	James	2,515	5		4.42	5.59	2.53	7.24	4.64	3.64	2.16	12.00	4.88	2.28		
Montebello	Nelson	do	2,500	8	2.30	3.89	5.49	3.74	5.74	2.42	4.69	6.16	12.87	4.80	2.53	3.53	57.54
Montebello (Fish Nursery)	Nelson	do	2,700	3	2.24	4.59	6.09		6.13	3.00	5.89	2.32	12.66	4.46	1.99	3.39	
Monterey (Hydro. Sta.)	Highland	Potomac	3,008	2	1.94	3.40	4.49	3.12			3.16	4.40	3.99				
Mount Jackson	Shenandoah	Shenandoah	1,050	8	2.79	2.66	3.83	2.55	3.00	2.64	2.13	3.09	4.46	3.03	1.57	1.74	33.49
Mt. Jackson (Hydro. Sta.)	do	do	900	4	1.97	2.59	3.77	2.10	4.04	1.70	2.25	2.40	3.93	3.05	1.29	1.10	30.19
Mutters Gap	Russell	Tennessee	3,925	10	2.62	8.43	6.19	4.41	3.06	3.07	1.84	4.39	4.70	5.78	3.24	3.48	51.21
Nebo	Smyth	do	2,425	10	0.94	7.29	2.53	*2.90	1.16	3.10	4.16	2.59	*6.40	*5.00	*2.80	*3.85	40.42
Newcastle	Craig	James	1,900	8	2.11	4.65	4.07	1.45	3.91	1.82	1.90	1.70	4.67	*2.93	2.02	2.48	34.01
North Garden	Albermarle	do	700	7	3.27	4.22	5.18	3.08	2.61	1.41	3.62	3.13	18.81	3.37	1.61	3.28	53.59
Olinger	Lee	Tennessee	1,400	8	2.08	10.52	8.05	4.19	4.48	3.04	1.55	8.70	3.98	1.35	3.35	*4.23	55.52
Pedlar Dam	Amherst	James	800	11	2.12	4.76	4.92	3.15	3.75	1.65	4.98	2.17	9.54	3.39	1.92	2.49	44.84
Pilot	Montgomery	New	1,193	4	1.90		4.87	1.83	4.50	3.31	1.28	2.02	10.22	3.78	1.62	2.34	
Pulaski	Pulaski	do	1,904	4	2.00	6.09	4.35	1.85	4.25	1.76	2.55	1.33	5.95	3.68	1.72	1.84	37.37
Pulaski (Airport)	do	do	2,200	3	1.69	6.49	4.34	1.88	3.26	2.13	3.01	1.42	5.07	3.58	1.21	2.06	36.14
Richmond (U. S. Air Base)	Henrico	James	160	8	2.83	5.61	5.85	3.59	1.41	1.42	7.76	6.44	5.50	1.79	3.94	2.26	48.40
Roanoke (Airways)	Roanoke	Roanoke	907	7	2.29	5.43	4.51	1.45	4.17	1.37	3.79	1.94	9.16	3.61	1.96	2.47	42.15
Rockfish	Nelson	James	500	3	2.65	4.04	6.05	5.51	4.47	1.02	2.81	4.50	21.16	3.58	2.97	3.26	60.02
Rocky Knob (Fire weather)	Floyd	Roanoke	3,100	2	3.03	5.01	5.05	1.98	6.01	4.66	4.42	2.89	9.41	5.49			

CHART SHOWING LOCATION OF OBSERVATION STATIONS



(WFO, Philadelphia, Pa., 8-28-46-1, 250)

R.P.H.