

CLIMATOLOGICAL DATA

38

VIRGINIA SECTION

F. N. HIBBARD

VOL. LIII

RICHMOND, VA., YEAR 1943

No. 13

GENERAL SUMMARY

Virginia weather in 1943 was slightly warmer and considerably drier than usual. In the past 53 years the average precipitation was less only five times, however, the number of rainy days was about normal. Only two years have had more clear days and fewer cloudy ones. Snowfall was slightly subnormal.

Temperatures for January, February, May and June were well above normal, and June was the warmest of record. This was the result of many moderately hot days rather than extremely high temperatures on any day. An unusual cold spell occurred on May 2d which brought new record minima for that month to about 20 stations. April and September were somewhat colder than usual.

Precipitation was deficient for all months except March, May, and July. August was the driest of record. The earliest snow ever recorded in Virginia fell at Big Meadows on September 25th.

Crops started late as a result of cool weather in March and April. Frosts in late April and early May killed most of the apples, peaches, and pears, and severely damaged strawberries. In June a drouth began in the north-central and northeastern counties which continued through the remainder of the growing season and ruined corn and feed crops. Pastures became so dry that the grass was killed. A large percentage of the corn was cut for silage but this produced insufficient forage and much of the livestock in those counties had to be sold because of lack of feed. Elsewhere in Virginia crops averaged good.

A remarkable glaze storm occurred in eastern Virginia on January 27th-29th. In the vicinity of Richmond the ice was approximately one inch thick. Damage to telephone, telegraph, and power lines amounted to over half a million dollars. In the western counties lower temperatures caused snow and sleet, and where glaze occurred it was very light. Dry, windy weather during the first and last weeks of April was favorable for forest fires and more than 20,000 acres of good timber was burned. Many severe local wind and electric storms occurred during June, July, and August.

A man was killed by lightning at Martinsville on June 7th. During electric storms six head of cattle were killed at Bedford on June 6th, and 10 head were killed at Burkes Garden on June 21st. Hail and windstorms severely damaged crops in portions of Charlotte, Halifax, Patrick, and Henry counties on June 17th, and in Clarke County on June 13th. Storm damage to buildings, crops, and livestock during June was estimated at \$125,000. A small boy was killed by lightning in Lee County on July 4th, and a woman was crushed to death near Charlottesville on July 17th when a dairy barn was blown down. Hail and wind damaged tobacco and corn in portions of Patrick and Henry Counties on July 15th. Total damage for July was estimated at \$20,000. Six soldiers at Fort Belvoir were killed by a bolt of lightning on August 10th. During August lightning destroyed four barns and 10 head of dairy cattle with an estimated damage of \$6,000. On September 30th gales in the Chesapeake Bay sunk several small craft and caused high tides which weakened a bridge and allowed a man to drown when his truck broke through.

S. B. T.

MONTHLY STATE DATA 1943

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	38.7	+2.3	82	0	2.87	-0.40	2.43	4.5	8	13	7	11
February	39.5	+2.3	79	-8	1.86	-1.18	1.53	0.9	7	14	7	7
March	44.6	-1.1	89	-6	4.04	+0.37	1.92	4.7	11	14	7	10
April	52.2	-2.3	93	14	2.96	-0.33	2.90	0.3	8	13	10	7
May	66.5	+2.3	96	21	4.35	+0.66	2.37	0.0	11	13	10	8
June	76.9	+5.0	101	38	4.20	-0.01	3.20	0.0	10	17	9	4
July	75.6	+0.2	99	41	4.85	+0.21	4.60	0.0	11	13	11	7
August	75.8	+1.7	104	35	1.73	-2.74	3.46	0.0	10	14	10	7
September	65.9	-2.7	100	25	2.34	-0.72	4.13	T.	7	18	6	6
October	56.0	-1.4	89	22	2.49	-0.51	2.88	0.1	7	18	6	7
November	45.9	-0.7	83	12	2.06	-0.35	3.29	0.2	5	18	7	7
December	37.4	-0.7	79	-3	2.17	-0.89	2.20	2.2	6	15	6	10

KILLING FROSTS 1943

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
<i>Tidewater Virginia</i>					
Cape Henry	Apr. 16	Nov. 18	Charlottesville	Apr. 16	Nov. 10
Capron	Apr. 16	Nov. 5	Chatham	Apr. 16	Oct. 18
Cheriton	Apr. 16	Nov. 8	Clarendon	Apr. 16	Nov. 12
Dahlgren	Apr. 16	Nov. 12	Clarksville	Apr. 16	Oct. 18
Diamond Springs	Apr. 16	Nov. 11	Columbia	May 2	Oct. 18
Driver	Apr. 16	Nov. 11	Crozet	Apr. 23	Oct. 5
Emporia	May 2	Nov. 4	Culpeper	Apr. 16	Nov. 4
Hog Island	Apr. 4	Nov. 17	Danville	Apr. 16	Nov. 4
Holland	Apr. 16	Nov. 10	Elkwood	May 2	Oct. 6
Hopewell	Apr. 16	Nov. 12	Farmville	May 2	Oct. 18
Langley Field	Mar. 23	Nov. 5	Fredericksburg	May 2	Nov. 5
New Church	May 2	Nov. 5	Halifax	Apr. 16	Oct. 18
Norfolk	Apr. 16	Nov. 11	Kenbridge	Apr. 16	Oct. 18
Onley	Apr. 16	Nov. 5	Lincoln	May 2	Oct. 18
Richmond	Apr. 16	Nov. 12	Louisa	Apr. 23	Oct. 6
Sahade	Apr. 16	Nov. 9	Lynchburg	Apr. 16	Oct. 18
Smithfield	May 2	Nov. 10	Manassas	May 2	Oct. 7
Surry	May 2	Nov. 10	Martinsville	Apr. 16	Oct. 18
Walkerton	May 2	Oct. 21	Mount Weather	Apr. 16	Oct. 18
Wallaceton	Apr. 16	Nov. 10	New Canton	May 2	Oct. 18
Warsaw	Apr. 16	Nov. 10	Orange	May 2	Oct. 6
Williamsburg	May 2	Nov. 10	Pinnacles	May 2	Oct. 5
<i>Middle Virginia</i>					
Bedford	May 2	Oct. 18	Quantico	Apr. 16	Nov. 5
Callville	May 2	Oct. 18	Randolph	Apr. 22	Oct. 18
			Rocky Mount	Apr. 17	Nov. 4
			State Farm	May 2	Oct. 18
			Stuart	Apr. 16	Oct. 17
			Vienna	Apr. 29	Nov. 13
			Washington, D. C.	Apr. 16	Nov. 12

(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	102
1892	54.6	104	-26	39.45	103	156	100	109	109
1893	54.7	104	-11	46.22	17.0	88	166	104	95
1894	56.8	106	-18	38.23	38.8	94	174	103	88
1895	54.4	107	-10	42.64	12.3	93	163	106	97
1896	56.6	105	-15	39.19	11.8	92	171	99	95
1897	56.0	103	-9	44.71	8.7	108	162	101	102
1898	56.6	105	-29	42.20	36.7	98	176	95	94
1899	55.4	106	-8	39.52	18.6	86	181	91	83
1900	57.1	107	-14	49.99	9.5	100	167	94	104
1901	54.5	106	0	40.67	14.9	95	170	97	98
1902	55.6	108	-13	44.09	8.4	95	172	89	104
1903	54.9	105	-14	36.11	24.9	95	170	101	95
1904	53.7	100	-15	43.27	18.5	111	155	112	98
1905	54.9	98	-2	50.03	15.2	124	143	120	102
1906	56.2	102	-6	44.41	17.4	115	159	115	91
1907	54.5	97	-20	46.17	30.0	101	162	108	96
1908	55.5	102	-5	38.02	12.9	101	171	104	90
1909	55.6	102	-9	41.37	20.3	112	151	116	98
1910	56.8	104	0	41.00	9.2	115	149	110	106
1911	54.9	100	-25	40.88	24.6	103	165	106	95
1912	57.2	102	-3	42.33	4.0	100	173	98	89
1913	55.1	103	-17	36.66	39.8	101	168	100	97
1914	55.6	101	-5	40.03	13.5	97	160	116	89
1915	55.6	102	-11	38.94	18.6	103	165	106	95
1916	53.3	103	-27	40.11	23.7	114	158	107	100
1917	55.5	108	-22	43.48	24.7	105	159	97	109
1918	56.8	103	-16	41.65	7.4	102	161	99	105
1919	54.8	99	-9	45.91	7.1	106	162	89	115
1920	58.4	104	-12	34.94	13.8	97	151	102	102
1921	56.9	100	-13	45.15	24.8	110	145	107	113
1922	56.1	103	-1	40.90	10.3	104	168	96	101
1923	54.4	107	-12	47.34	12.8	105	165	90	111
1924	56.6	103	-14	32.53	9.5	98	160	99	106
1925	55.5	107	-6	41.41	16.5	112	157	97	111
1926	56.5	104	-7	41.64	10.4	113	148	103	114
1927	55.7	103	-5	43.07	9.2	110	151	112	103
1928	56.2	99	-8	46.31	16.7	115	155	97	113
1929	56.9	109	-13	24.99	23.4	86	165	99	101
1930	57.8	104	-2	38.00	3.7	105	163	106	96
1931	57.5	108	-9	44.68	13.1	102	169	90	107
1932	57.6	107	-7	39.46	8.2	105	163	101	101
1933	56.2	104	-16	45.73	21.6	113	157	104	104
1934	55.4	101	-16	46.68	21.9	119	150	103	112
1935	56.0	109	-17	45.30	25.1	108	169	95	102
1936	55.7	102	-3	53.20	14.7	126	155	99	111
1937	57.0	101	-3	42.21	9.1	113	169	89	107
1938	57.2	101	-1	41.26	15.9	106	176	91	98
1939	54.3	105	-20	44.59	22.7	112	159	96	111
1940	56.8	102	-2	30.81	10.7	86	190	93	87
1941	56.4	106	-14	48.59	16.6	115	164	94	102
1942	56.2	104	-8	35.92	12.9	100	180	96	89
1943	55.9	109	-29	41.81	16.8	104	163	101	101
1945									
NORMALS OR EXTREMES	55.9	109	-29	41.81	16.8	104	163	101	101

Climatological Data for the Year 1943

Table with columns: Stations, Counties, Elevation, Temperature (Annual mean, Highest, Date, Lowest, Date), Precipitation (Length of record, Total for 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, * b, c, appearing in the tables indicate number of days missing; for example, * 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; Wallaceon, 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 1943 with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows are categorized by region: Tidewater, Middle Virginia, Great Valley, and State. Each station entry includes precipitation and departure values for each month and the annual total.

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.

ERRATA: NOVEMBER, 1943.—Average precipitation for the Great Valley; published 2.06 inches, should be 1.86 inches.

Monthly and Annual Mean Temperatures for the Year 1948 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 the same for the annual mean.

For explanation of reference marks, see page 50.

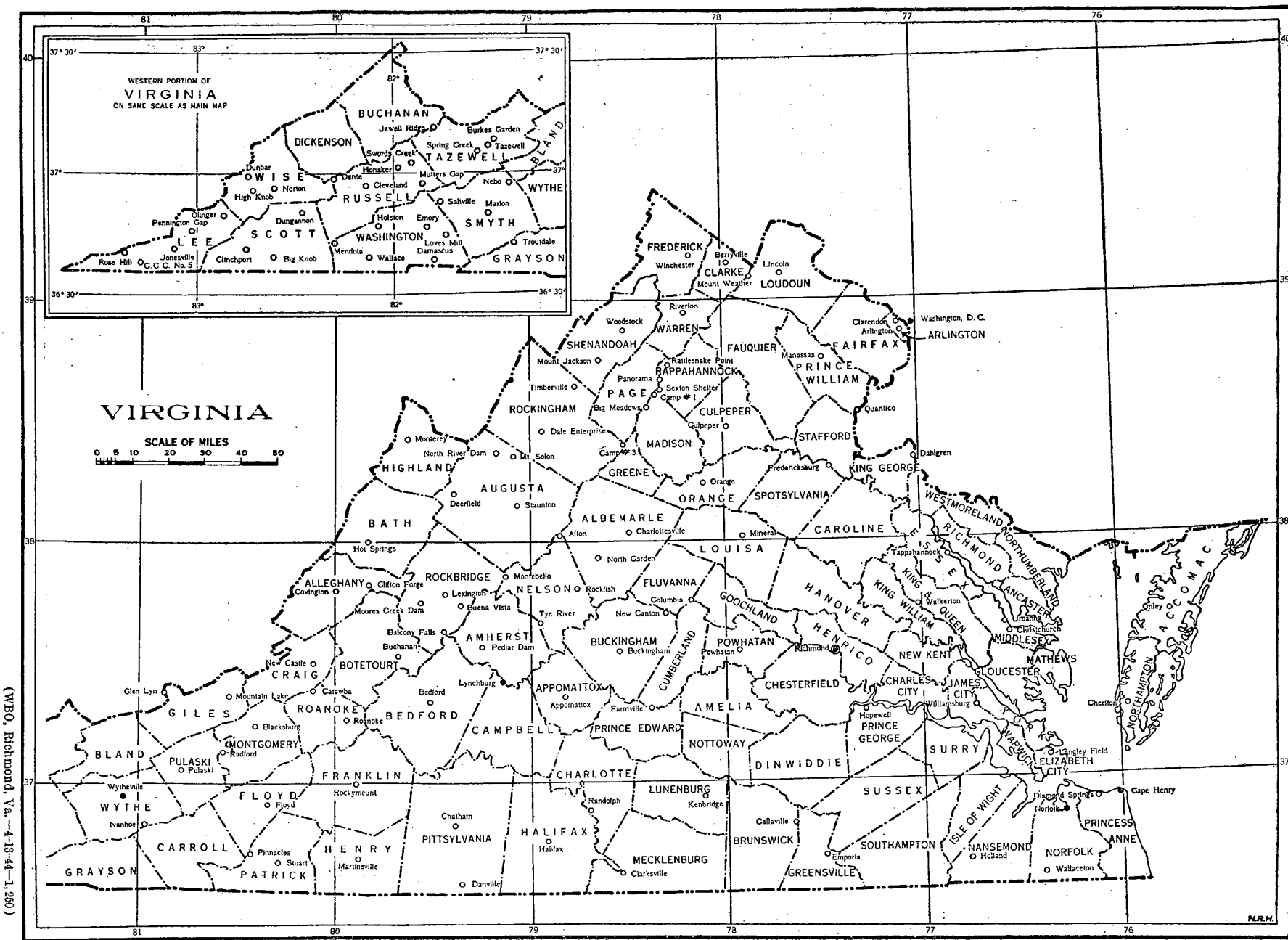
KILLING FROSTS 1948-Continued

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 various locations and their corresponding frost dates.

Supplemental Table of Monthly and Annual Precipitation for the Year 1943

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	1	2.64	2.84	3.87	2.09	4.07	4.66	2.56	2.07	2.60	1.69	1.84	2.30	33.23
Amisville	Rappahannock	Rappahannock		1							0.94	0.89	2.26	2.66	3.60	1.47	
Appomattox	Appomattox	Appomattox	825	6	\$3.88	2.38	4.23	2.40	4.88	1.99	5.91	0.98	1.40	1.65	2.18	2.14	34.02
Asateague Beach	Accomac	Atlantic	10	4	1.95	3.19	1.83	2.44	3.61	2.46	0.97	1.50	4.88	5.80	2.37		
Augusta Springs	Augusta	North	1,700	4	2.70	1.40	5.32	2.25	4.54	4.62	3.88	1.48	0.80	1.67	1.81	2.09	32.56
Bacon	Fairfax	Potomac	380	2	0.62	1.85	3.22	2.79			3.19		1.40	1.48			
Bastian	Bland	New		1					4.57	2.47		1.29	1.93	1.25	2.20		
Big Knob	Scott	Tennessee	3,200	9	2.27	2.27	3.98	2.47	2.59	2.37	4.63	1.96	2.23	2.57	1.58	2.42	31.54
Big Stone Gap	Wise	Clinch	1,550	1	3.43	2.54	5.65	4.16	2.47	4.06	3.14	3.00	2.66	2.26	2.18	2.21	37.76
Blackstone	Nottoway	Nottoway		2	2.08	2.40	4.95	2.50	2.83	2.18	6.33	0.61	4.75	1.23	1.46	2.07	33.39
Bremo Bluff	Fluvanna	James	225	4	2.97	1.43	4.16	2.33	3.63	5.53	3.87	2.52	3.29	1.65	2.63	2.53	36.54
Buena Vista	Rockbridge	do	835	7	1.93	1.21	3.81	3.52	4.70	2.41	5.16	1.51	2.58	3.03	0.97	2.89	38.72
Churchville	Augusta	Shenandoah	1,475	3	3.04	1.07	3.94	2.49	4.41	4.33	5.61	0.53	0.54	1.88	1.47	1.38	30.69
Cleveland	Russell	Tennessee	1,325	8	2.58	2.55	4.91	2.52	3.13	8.30	4.98	1.57	1.98	2.27	1.38	2.14	35.31
Cootes Store	Rockingham	Shenandoah	1,050	2	1.79	0.58	3.50	2.38	4.40	3.76	3.30	3.07	1.80	1.80	1.48	0.77	27.40
Copper Hill	Floyd	Roanoke		3	\$2.79	3.48	3.81	4.32	6.12	4.36	4.58	1.30	1.96	1.02	2.01	3.25	39.00
Covington	Allegheny	Jackson	1,245	7	2.92	1.14	3.65	2.90	5.67	3.96	5.08	3.17	0.61	1.37	1.33	2.00	33.80
Davenport	Buchanan	Ohio	1,600	3	3.45	1.63	4.64	2.50	3.99	3.32	3.27	1.69	1.64	2.30	1.64	1.60	31.67
Delaplane	Fauquier	Potomac	455	3	2.62	0.76	3.72	2.90	3.79	1.58	2.52	2.23	2.03	3.20	2.36	1.37	28.03
Dunbar	Wise	Tennessee	2,000	9	3.25	2.82	5.72	4.93	2.47	6.18	6.82	1.18	2.69	3.07	1.20	2.39	42.72
Dungannon	Scott	do	2,500	9	2.29	2.36	5.26	3.21	2.73	7.69	4.04	7.00	1.91	2.00	\$1.88	2.33	36.75
Fieldale	Henry	Roanoke		1					2.59	6.99	3.42	1.80		0.81	0.45	2.43	
Foraker	Dickenson	Tennessee	1,982	3	3.75	2.48	4.97	3.58	3.89	7.61				3.26			
Galax	Grayson	New		3	3.57	2.33	4.99	3.32	5.43	6.32	5.36	2.13	1.49	0.64	2.58	2.43	40.59
Galax (A. E. P. Gage)	do	do		1					5.15	5.45	8.07	2.60	1.72	1.25	2.31	3.03	
Glade Spring	Washington	Tennessee		2	3.46	2.35	4.03	1.58									
Gordonsville	Orange	James	442	6	2.62	1.29	2.90	3.06	3.03	1.67	2.50	1.48	2.30	1.42	6.84	2.38	31.49
Goshen	Rockbridge	North	1,300	4	2.59	1.05	4.25	2.67	2.94	6.23	2.90	1.90	0.67	2.37	1.37	1.36	31.10
Groseclose	Smyth	Tennessee	2,550	1	3.32	2.39	4.02	2.49	4.68	2.31	4.15	2.17	2.80	0.81	1.98	2.36	33.46
Grundy	Buchanan	Ohio		2	2.22								3.09	2.05	1.50	2.26	
Haysi	Dickenson	Ohio		3	3.02	2.05	4.97	3.46	3.55	4.17	5.65	1.86	2.14	2.31	1.22	1.87	36.27
High Knob	Wise	Tennessee	4,150	9	4.83	2.12	5.80	4.20	3.23	8.64	4.61	2.28	2.59	3.85	2.02	2.68	46.85
Hillsville	Carroll	New	2,570	2	3.01	2.06	4.42	3.25	5.56	3.00	4.32	\$2.35	3.16	0.95	2.01	2.79	36.93
Hog Island	Northampton	Atlantic	10	4	2.37	3.15	3.54	2.82	3.92	0.94	2.85	1.56	4.84	5.62	1.96	0.65	34.22
Holston	Washington	Tennessee	3,450	9	2.76	3.13	2.25	1.48	2.73	3.25	2.70	2.71	0.90	2.88	1.30	2.20	28.29
Honaker	Russell	do	2,400	2	2.69	2.13	3.91	2.53	3.78	4.42	4.73	3.61	2.68	2.25	1.70	2.28	34.71
Hurley	Buchanan	Ohio		3	3.05	2.24	5.44	3.32	3.71	5.10	2.63	3.00	1.71	2.31	1.40	2.14	36.05
Independence	Grayson	New		3	3.36	2.06	4.36	3.16	4.94	2.13	5.59	2.32	2.32	1.16	1.81	2.72	35.93
Indian Valley	do	do		3	3.02	2.69	5.13	2.49	5.54	4.24	2.99	1.29	1.51	0.78	\$1.71	2.28	33.57
Jonesville	Lee	Tennessee	1,400	3	3.20	2.97	5.35	4.04	3.46	3.69	4.62	4.47	2.34	2.26	2.35	2.53	31.25
Jordan Mines	Allegheny	James	1,350	3	2.91	1.43	3.39	2.53	3.19	3.27	3.84	3.68	0.66	1.47	1.24	1.89	29.97
Kears Creek	Rockbridge	North	1,400	3	2.15	1.05	3.07	3.19	3.91	2.32	3.32	1.25	0.71	1.83	2.23	1.99	27.02
Loves Mill	Washington	Tennessee	2,040	9	2.92	3.03	4.44	2.00	4.84	2.72	3.82	5.41	2.66	1.30	2.43	9.91	38.45
Lynchburg (Airport)	Campbell	James	929	7	2.98	2.40	3.42	2.26	7.17	4.77	2.94	0.93	0.98	1.25	0.84	3.17	33.11
Lynchburg (CPS-29)	Augusta	Shenandoah	1,650	2	3.11	0.99	3.87	4.26	5.41	3.96	2.29	1.36	0.76	2.27	2.30	2.51	33.59
Manion	Fairfax	Potomac	450	2	0.61	1.59	3.59	3.07	4.97	3.18	\$2.53	1.12	1.41	3.10	4.29	1.20	30.66
Marion	Smyth	Tennessee	2,150	9	2.56	2.53	3.51	1.81	5.00	5.60	4.38	3.41	1.76	1.12	1.47	2.64	35.79
Mc Clung	Bath	James		2	3.05												
Mc Dowell	Highland	do	2,050	4									0.57	1.99	2.40	1.85	
Mc Gayheysville	Rockingham	Shenandoah	1,050	3	2.57	0.59	3.39	3.04	4.71	2.83	5.19	1.15	0.42	2.04	0.82	1.40	28.15
Meadowview	Washington	Tennessee	1,860	1	3.22	2.94	4.23	1.73	5.07	5.16	3.89	3.57	2.58	1.42	1.92	2.99	38.77
Montebello	Nelson	James	2,500	7	2.90	1.83	4.21	4.27	7.67	6.96	3.80	0.90	1.15	3.22	2.21	2.74	41.86
Montebello (Fish Nursery)	do	do		2	2.63	1.62	\$4.12	4.51	7.60	3.88	4.10	1.37	1.33	3.43	2.83	3.51	40.93
Monterey (Hydro. Sta.)	Highland	Potomac		1	2.63	1.66	5.35	3.13	5.76	6.72	8.07	2.00	0.64	1.87	\$2.05	2.31	42.19
Mount Jackson	Shenandoah	Shenandoah		7	2.50	0.89	3.55	2.33	4.80	4.90	4.34	1.29	0.74	1.91	1.33	1.11	29.09
Mt. Jackson (Hydro. Sta.)	Shenandoah	do	900	3	\$2.38	\$0.92	4.25	2.09	4.52	2.94	4.32	2.57	0.20	1.92	1.28	1.22	28.61
Mount Solon	Augusta	do	1,400	7	3.28	1.07	3.79	2.62									
Mutters Gap	Russell	Tennessee	3,925	9	2.62	2.88	4.95	2.77	6.89	4.89	5.00	3.13	3.38	2.86	2.09	2.50	43.96
Nebo	Smyth	do	2,425	9	3.65	3.73	4.65	2.82	4.04	3.31	3.24	2.23	2.55	0.95	1.20	3.35	35.62
Newcastle	Craig	James	1,300	7	2.47	1.42	4.52	3.00	5.61	3.43	4.66	1.93	1.49	1.60	1.38	2.63	34.14
North Garden	Albermarle	do	700	6	3.56	1.29	3.29	2.95	3.38	9.18	2.44	1.43	1.89	1.62	1.90	2.68	35.61
Olinger	Lee	Tennessee	1,400	7	3.57	\$2.71	5.23	4.03	2.01	4.75	3.16	1.04	2.11	2.62	1.80	2.23	35.26
Pedlar Dam	Amherst	James	800	10	3.47	1.80	4.68	2.92	6.88	3.51	5.89	1.52	1.82	2.26	1.53	2.72	39.00
Pilot	Montgomery	New	1,133	3	3.76	1.92	\$4.35	2.52	5.82	4.39	5.17	1.22	1.29	1.54	0.97	2.45	34.40
Pulaski	Pulaski	New	1,904	3	3.06	1.90	3.75	1.95	5.05	2.24	2.33	2.09	1.21	1.11	2.26	2.39	29.38
Pulaski (Airport)	Pulaski	do		2	2.65	1.70	4.11	2.17	4.09	2.71	2.80	0.93	1.18	2.11	1.13	29.23	
Richmond (U. S. Air Base)	Henrico	do	160	7	2.87	2.27	3.01	2.11	4.04	3.15	3.87	0.52	5.13	2.90	1.44	1.98	33.29
Roanoke (Airways)	Roanoke	Roanoke	907	6	2.55	1.56	3.74	4.39	4.43	5.28	5.19	1.54	1.42	1.89	1.27	2.99	36.25
Rockfish	Nelson	James	500	7	4.43	1.72	4.00	2.91	4.60	6.87	3.38	1.19	2.37	1.19	1.70	3.40	38.76
Rocky Knob (Fire weather)	Floyd	Roanoke		1	1.84	1.36	2.25	3.90	4.84	5.31	7.15	6.60	1.47	1.33	2.21		

CHART SHOWING LOCATION OF OBSERVATION STATIONS



(WBO, Richmond, Va.—4-13-44—1,250)