

U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

# LOCAL CLIMATOLOGICAL SUMMARY

WITH COMPARATIVE DATA

1949

RICHMOND, VIRGINIA

Compiled under the direction of

STANLEY S. SCHWORM



# METEOROLOGICAL DATA FOR THE CURRENT YEAR

RICHMOND, VA.  
1949

Month	Temperature							Degree days	Precipitation						Relative humidity †				Wind				Number of days																		
	Averages			Extremes					Total	Greatest in 24 hrs.	Date	Snow, Sleet, Hail			1:30 a.m., EST	7:30 a.m., EST	1:30 p.m., EST	7:30 p.m., EST	Average hourly speed	Prevailing direction	Fastest mile			Percent of possible sunshine	Average sky cover sunrise to sunset	Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet, Hail 1.0 or more	Thunderstorms	Heavy fog	Max. temp.		32° and below	Zero and below					
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date					Total	Greatest in 24 hrs.	Date							Speed	Direction	Date			Clear	Partly cloudy	Cloudy					90° and above	32° and below							
Jan.	54.9	37.9	46.4	72	28	23	30	577	3.25	1.25	21-22	1.3	1.2	30	80	81	61	74	7.6	NE	31	SW	28	35	7.1	8	4	19	16	1	0	0	0	7	0	0					
Feb.	57.4	38.1	47.8	79	14	25	33	487	2.50	0.66	27-28	1.7	1.1	10+	81	85	52	63	8.4	SE	31	SW	15	63	6.4	8	11	11	10	0	0	0	0	0	9	0	0				
March	60.4	38.1	49.2	84	27	23	16	508	2.34	0.96	22-23	0.4	0.4	15	69	74	47	59	8.9	SW	29+	NW	1	65	5.8	11	8	12	11	0	0	0	0	0	13	0	0				
April	66.9	46.2	56.6	86	15	34	17	265	2.31	0.57	5-6	1.1	0.7	23	77	75	46	60	8.2	SE	39	SW	15	64	6.0	8	9	13	13	0	0	0	0	0	0	0	0				
May	77.6	55.7	66.6	90	19	46	12	55	6.11	1.66	10-11	1.7	1.1	26	90	83	53	69	6.4	SE	27	N	20	76	5.7	8	16	9	15	0	0	10	1	0	0	0	0	0			
June	84.7	66.2	75.4	97	27	51	9	1	4.65	3.07	28-29	0.0	0.0	0	87	83	56	77	6.6	SE	13	SE	12	68	6.6	8	10	14	13	0	0	8	8	8	8	0	0	0	0		
July	88.1	72.4	80.2	96	30	65	1	0	4.25	0.88	15-17	0.0	0.0	0	92	87	60	77	6.3	SE	25	N	23	70	5.9	10	8	13	15	0	0	10	3	13	0	0	0	0	0		
Aug.	85.0	69.0	77.0	95	11	60	21	0	8.56	2.18	28-29	0.0	0.0	0	94	91	63	84	5.4	SW	36	SW	11	52	7.3	4	9	18	18	0	0	10	4	6	0	0	0	0	0	0	
Sept.	77.7	58.8	68.2	87	6	47	25	36	3.46	1.08	29	0.0	0.0	0	90	88	55	77	6.4	N	24	W	18	68	5.9	8	10	12	12	0	0	4	4	0	0	0	0	0	0	0	
Oct.	72.6	54.6	63.6	85	10+	43	28	105	5.36	3.53	30-31	0.0	0.0	0	92	89	60	83	6.1	N	20	3	31	54	6.1	8	7	15	5	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	61.0	40.1	50.6	79	11	27	23	433	2.24	1.52	1	0.0	0.0	0	79	86	43	67	7.6	SW	27	W	23	68	5.4	14	8	8	7	0	0	1	1	0	0	0	0	0	0	0	0
Dec.	53.6	34.2	43.9	72	22	21	17	660	1.84	0.67	10-11	1.7	1.2	10+	78	82	53	71	7.3	NE	28	W	7	57	5.5	10	9	12	8	0	0	0	0	0	0	15	0	0	0	0	
Year	70.0	50.9	60.5	97	June 27	21	Dec. 17	3127	46.87	3.53	Oct. 30-31	1.7	1.2	Jan. 30	84	84	54	71	7.1	SW	39	SW	15	62	6.1	100	109	156	140	1	52	19	28	0	49	0	0	0	0		

## MEANS AND EXTREMES FOR PERIOD OF RECORD

Month	Temperature							Mean degree days	Precipitation						Relative humidity †				Wind				Mean number of days																								
	Means			Extremes					Mean total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Sleet, Hail			1:30 a.m., EST	7:30 a.m., EST	1:30 p.m., EST	7:30 p.m., EST	Mean hourly speed	Prevailing direction	Fastest mile			Pct of poss. sunshine	Average sky cover sunrise to sunset	Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet, Hail 1.0 or more	Thunderstorms	Heavy fog	Max. temp.		32° and below	Zero							
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year									Total	Maximum	Year							Maximum	Year	Mean total			Maximum monthly	Year	Maximum in 24 hrs.					Year	Mean			Direction	Year	Clear	Partly cloudy	Cloudy	90° and above	32° and below
(a)	52	52	70	52	1918	52	52	78	78	1918	78	52	52	52	52	52	11	52	32	38	52	52	52	52	47	51	52	52	52	52	52	52	52	52	52	52	52	52									
J	47.8	30.1	38.6	80	1943	1	1918	808	3.29	10.08	1937	0.55	1876	2.66	1921	3.7	22.4	1940	16.0	1940	77	84	61	69	8.2	SW	48	SW	1913	49	5.8	10	8	13	11	1	*	2	0	3	19	*					
F	48.9	30.1	40.2	82	1930	1	1899	720	3.03	8.92	1873	0.55	1901	3.30	1920	3.4	20.2	1899	12.6	1936	71	78	58	63	8.5	SW	48	SW	1909	56	5.3	10	8	10	10	1	*	1	0	2	17	*					
M	58.6	37.8	47.6	94	1907	12	1943	529	3.66	8.78	1891	1.07	1930	3.59	1903	2.2	15.5	1914	7.8	1914	73	77	54	63	9.2	SW	43	S	1913	59	5.3	11	9	11	*	2	1	*	*	9	0	0					
A	67.5	45.8	56.9	96	1925	19	1923	276	3.42	8.89	1889	0.52	1942	5.33	1910	0.3	10.0	1915	10.0	1915	75	74	51	59	8.7	SW	46	NW	1943	62	5.0	12	8	10	10	*	3	*	*	0	1	0	0				
M	77.4	55.7	66.8	98	1941	35	1923	70	3.77	9.13	1889	0.45	1936	2.39	1907	0.0	0.0	0.0	0.0	0.0	83	76	52	64	7.3	SW	46	NW	1933	67	4.9	12	11	8	12	0	6	1	2	0	0	0	0				
J	84.1	64.2	74.6	104	1936	43	1938	8	3.86	9.28	1938	1.29	1877+	3.69	1938	0.0	0.0	0.0	0.0	0.0	86	78	55	68	6.6	SW	47	NW	1917	65	5.2	10	11	9	11	0	8	*	7	0	0	0	0				
L	87.5	68.5	78.0	105	1936	52	1933	*	4.70	16.08	1945	0.57	1911	7.26	1923	0.0	0.0	0.0	0.0	0.0	90	81	57	73	6.4	SW	37	SW	1943	65	5.1	10	13	8	11	0	10	1	11	0	0	0	0	0			
A	85.7	67.1	76.6	107	1918	49	1923	1	4.67	11.42	1931	0.45	1896	5.71	1931	0.0	0.0	0.0	0.0	0.0	90	84	58	74	6.2	SW	43	NW	1915	62	5.2	10	12	9	11	0	7	1	8	0	0	0	0	0			
S	80.6	61.2	71.1	101	1932	40	1942	27	3.28	10.41	1888	0.15	1884	6.68	1935	0.0	0.0	0.0	0.0	0.0	89	85	57	75	6.3	NE	36	NE	1911	63	4.9	12	10	8	10	0	3	2	4	0	0	0	0	0	0		
O	70.5	49.5	60.0	99	1941	28	1917	191	2.88	8.51	1890	0.11	1884	8.81	1929	†	†	1925	87	84	53	72	6.9	NE	41	NW	1917	64	4.3	15	8	8	7	0	*	3	3	*	0	0	0	0	0	0			
N	59.1	39.1	49.2	83	1946	14	1929	481	2.35	6.88	1920	0.11	1890	2.77	1902	0.4	9.2	1938	7.2	1938	82	81	54	67	7.0	SW	37	S	1905+	59	4.7	13	8	8	9	0	*	2	0	*	7	0	0	0	0		
D	48.9	31.4	40.6	77	1927	-	1917	772	3.00	7.10	1905	0.57	1889	2.52	1909	2.7	17.2	1908	17.2	1908	77	82	60	69	7.7	SW	42	S	1907	49	5.5	13	8	13	10	*	*	2	0	2	18	0	0	0	0		
Year	68.1	48.4	58.4	107	Aug. 1918	-	3	Feb. 1899	3883	41.89	16.08	July 1945	0.11	1874+	7.26	July 1923	12.7	22.4	Jan. 1940	17.2	Dec. 1949	82	80	56	68	7.5	SW	48	SW	1913+	60	5.1	135	114	116	122	2	39	16	32	7	71	*				

(a) Length of record, years. (\*) Less than one. (†) Combined City Office and Airport Data. (‡) Airport Station Data.

# MONTHLY AND SEASONAL DEGREE DAYS

RICHMOND, VIRGINIA

1949

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1899-1900	0	0	34	156	447	769	794	778	857	252	49	3	3937
1900-01	0	0	4	87	400	766	812	848	474	366	50	1	3818
1901-02	0	0	33	201	627	815	893	854	468	315	51	0	4257
1902-03	0	0	29	128	308	775	834	616	333	240	55	10	3328
1903-04	0	0	33	227	606	893	880	893	543	338	42	6	4561
1904-05	0	1	28	265	564	905	930	946	467	251	18	5	4380
1905-06	0	0	15	221	504	760	676	742	716	210	69	7	3920
1906-07	0	0	8	244	457	732	686	840	455	446	122	58	4048
1907-08	0	0	14	294	516	713	834	792	405	195	115	3	3661
1908-09	0	16	24	167	438	738	704	484	583	262	86	0	3502
1909-10	0	0	43	299	358	902	806	717	370	210	113	29	3847
1910-11	1	0	12	184	675	958	719	672	632	382	68	0	4303
1911-12	0	0	3	192	603	673	1122	873	626	180	54	13	4339
1912-13	0	0	20	184	507	676	568	700	419	237	48	26	3385
1913-14	0	0	38	179	444	707	717	843	719	294	52	0	3993
1914-15	0	1	71	139	516	911	794	596	756	280	60	24	4097
1915-16	0	0	32	146	474	846	655	763	670	296	22	1	3905
1916-17	0	0	47	203	498	809	778	764	574	261	171	4	4109
1917-18	0	0	75	327	619	1082	1151	666	431	312	31	5	4699
1918-19	0	0	68	137	514	671	755	709	476	255	70	6	3661
1919-20	0	0	12	86	496	898	954	854	522	312	158	7	4299
1920-21	0	0	6	133	522	745	777	643	271	176	128	1	3412
1921-22	0	0	0	180	412	746	929	647	490	249	29	1	3683
1922-23	0	0	19	192	482	703	774	784	534	292	80	7	3867
1923-24	0	6	24	229	546	544	838	780	606	322	194	11	4020
1924-25	0	0	55	205	488	763	881	492	500	240	163	0	3787
1925-26	0	0	12	333	549	817	846	646	683	333	69	30	4318
1926-27	1	0	15	203	561	845	842	534	474	362	71	39	3947
1927-28	0	11	26	164	363	744	807	711	544	338	103	2	3813
1928-29	0	1	80	169	445	743	816	751	411	206	83	10	3715

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1929-30	0	0	40	224	477	736	789	556	572	303	33	4	3734
1930-31	0	1	0	268	507	876	786	660	704	318	74	6	4200
1931-32	0	5	17	149	284	535	479	548	650	303	87	1	3058
1932-33	0	0	15	170	540	699	601	667	566	250	38	14	3560
1933-34	0	0	4	211	530	676	703	1011	670	253	61	0	4119
1934-35	0	3	1	222	423	790	901	713	399	357	98	0	3907
1935-36	0	0	27	189	390	984	991	884	393	353	28	0	4239
1936-37	0	0	13	157	529	730	573	724	632	273	49	0	3680
1937-38	0	0	58	298	515	780	828	566	380	207	84	8	3724
1938-39	0	0	31	199	409	747	697	548	502	283	101	0	3516
1939-40	0	0	3	214	550	737	1172	726	634	343	49	1	4429
1940-41	1	0	62	237	467	640	871	806	715	192	63	8	4062
1941-42	0	0	7	100	413	657	875	785	490	199	7	0	3533
1942-43	0	2	49	135	430	843	767	640	548	343	60	0	3817
1943-44	0	0	46	229	493	797	787	687	608	269	14	1	3931
1944-45	0	1	16	213	493	865	930	648	268	153	113	27	3717
1945-46	0	0	3	193	423	845	809	824	320	222	64	4	3617
1946-47	0	4	11	131	332	626	613	662	727	229	83	4	3622
1947-48	0	0	77	78	544	793	1012	697	451	227	39	1	3918
1948-49	0	0	28	240	326	662	577	487	508	265	55	1	3149
1949-50	0	0	36	105	433	660							

## AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An. l.
1900	39.4	37.6	43.8	57.3	67.0	74.6	81.2	82.9	75.6	64.6	52.1	40.3	59.7
1901	38.8	34.7	49.6	52.8	65.5	74.8	81.0	77.4	70.0	59.1	44.1	38.6	57.2
1902	36.2	34.6	50.0	55.8	67.8	74.3	79.0	75.0	68.6	61.6	54.8	40.1	58.2
1903	38.2	43.0	54.4	57.8	67.8	70.2	79.3	75.8	69.4	58.9	44.8	36.2	58.0
1904	33.4	34.2	47.5	54.2	67.2	74.4	77.7	75.6	70.9	57.7	46.2	35.8	56.2
1905	35.0	31.2	49.8	57.6	69.4	74.2	78.4	75.8	71.7	59.4	48.2	40.4	57.6
1906	43.1	38.6	42.0	59.1	67.0	75.0	76.6	78.2	73.6	57.8	50.0	41.4	58.5
1907	42.8	35.0	52.1	50.4	62.7	68.4	79.1	75.4	72.8	55.9	47.8	42.0	57.0
1908	38.1	36.6	52.2	60.0	67.2	72.9	78.9	74.0	68.4	60.4	50.4	41.2	58.4
1909	42.2	47.4	46.4	57.6	68.0	76.2	76.8	74.2	67.4	55.4	53.1	35.9	58.2
1910	39.0	39.4	53.9	58.4	63.8	70.3	77.8	74.6	71.8	61.0	42.5	34.1	57.2
1911	41.8	41.0	44.6	52.4	69.8	75.0	79.6	77.7	72.5	59.2	45.0	43.2	58.5
1912	28.9	35.0	49.9	59.6	67.0	72.2	77.6	76.4	73.0	60.2	48.2	43.2	57.2
1913	46.7	40.0	52.0	57.8	66.6	73.9	79.0	75.2	69.0	60.2	50.2	42.2	59.4
1914	41.8	35.0	41.8	56.0	68.6	75.8	76.9	77.6	68.2	61.8	48.0	35.7	57.3
1915	39.4	43.7	40.6	59.9	66.0	72.0	78.0	76.2	72.4	61.3	49.2	37.7	58.0
1916	44.0	38.8	43.4	55.8	69.7	71.7	77.5	76.1	68.2	60.2	48.5	38.8	57.7
1917	39.4	37.6	46.6	57.4	61.2	73.6	76.8	75.8	65.2	54.8	44.4	30.0	55.3
1918	28.0	41.2	51.7	54.7	70.4	71.0	73.8	78.3	65.6	62.2	47.8	43.2	57.3
1919	40.6	39.8	49.3	56.8	66.1	73.2	73.8	75.0	71.3	67.2	48.8	39.9	58.5
1920	34.2	35.5	48.2	55.2	60.8	72.4	75.4	75.2	71.0	62.0	47.2	41.0	56.5
1921	39.9	42.0	57.6	60.1	63.1	74.8	80.2	76.6	76.8	59.5	51.6	41.0	60.2
1922	35.0	41.9	49.4	58.6	67.2	75.0	77.6	73.3	70.6	60.8	49.0	42.3	58.4
1923	40.1	37.0	48.0	55.8	64.4	76.0	76.4	75.2	70.8	57.7	46.8	47.6	58.0
1924	38.0	38.2	45.6	54.0	62.8	72.8	75.2	76.4	65.8	58.6	48.8	40.5	56.4
1925	38.6	47.4	48.9	59.2	62.0	77.9	79.6	74.3	75.4	55.1	46.7	38.6	58.5
1926	37.8	41.8	43.0	54.5	65.7	71.4	77.6	78.0	71.2	60.2	46.4	37.8	57.1
1927	37.9	45.9	50.2	53.8	66.2	69.4	76.0	71.3	70.5	61.4	53.1	41.0	58.1
1928	38.9	40.4	47.4	54.2	64.1	72.8	78.4	78.0	65.8	61.4	50.4	41.0	57.7
1929	38.8	38.2	52.8	60.2	65.8	73.1	77.0	75.1	71.2	58.0	49.8	41.4	58.4
1930	39.6	45.3	46.4	55.6	68.8	74.2	79.8	76.1	76.8	57.2	48.1	36.8	58.7
1931	39.7	41.5	42.3	54.4	65.5	73.8	80.4	75.7	74.4	62.3	55.9	47.8	59.5
1932	49.8	46.2	43.9	55.0	65.1	74.1	79.1	78.8	72.2	60.4	46.2	42.4	59.5
1933	45.6	41.2	46.4	56.8	70.1	75.8	76.2	76.6	74.4	58.7	47.4	43.2	59.4
1934	42.4	29.0	43.4	46.8	60.7	78.1	80.2	76.0	72.3	58.0	51.1	39.6	57.9
1935	36.1	39.6	52.2	53.7	63.8	74.4	77.6	76.2	68.6	59.9	52.4	33.3	57.3
1936	33.0	34.6	52.4	54.0	68.6	74.2	79.9	79.0	73.8	61.8	47.6	41.4	58.3
1937	46.4	39.3	44.7	56.4	66.8	76.4	77.7	67.6	66.8	56.4	47.8	40.0	58.0
1938	38.2	44.8	53.2	59.7	65.6	72.0	77.1	79.0	69.0	59.2	52.0	40.8	59.2
1939	42.3	46.5	49.4	56.8	67.8	77.0	76.2	77.8	72.8	60.6	46.6	41.4	59.5
1940	27.0	39.9	44.8	53.6	66.0	75.4	76.6	74.4	67.9	57.8	49.5	44.4	56.4
1941	37.8	38.1	42.0	61.2	65.6	74.4	73.6	67.0	51.4	43.9	59.3		
1942	36.8	36.8	49.2	60.2	70.7	75.8	80.0	75.4	72.0	61.2	50.8	37.7	58.9
1943	40.4	42.2	47.6	54.2	69.2	79.0	78.4	78.8	69.2	58.2	48.6	39.4	58.8
1944	39.8	41.2	45.5	56.7	71.8	76.9	78.4	75.7	71.8	58.6	48.9	39.7	58.5
1945	35.0	41.8</											

# MONTHLY AND SEASONAL SNOWFALL

RICHMOND, VIRGINIA

1949

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1899-1900				0.0	0.0	2.1	0.3	6.2	5.8	T			14.4
1900-01				0.0	T	7.2	5.5	1.0	1.4	T			15.1
1901-02				0.0	0.0	1.0	5.0	9.8	0.0	T			15.8
1902-03				0.0	0.0	1.1	0.9	0.2	0.0	0.0			2.2
1903-04				0.0	0.4	0.9	10.7	8.4	T	0.0			20.4
1904-05				0.0	1.8	8.5	6.5	2.2	T	T			19.0
1905-06				0.0	T	1.3	0.7	7.0	6.4	0.0			15.4
1906-07				0.0	1.9	T	3.1	9.8	6.4	T			21.2
1907-08				0.0	T	T	3.2	7.8	2.8	0.0			13.8
1908-09				0.0	T	17.2	0.2	4.1	3.8	0.0			25.3
1909-10				0.0	T	3.3	1.0	0.7	5.9	0.0			11.7
1910-11				0.0	0.0	0.7	2.6	T	4.0	0.0			7.3
1911-12				0.0	0.0	T	8.9	1.7	11.0	0.0			21.6
1912-13				0.0	2.0	0.2	0.4	3.1	0.0	0.0			5.7
1913-14				0.0	0.0	T	T	10.8	15.8	0.2			26.8
1914-15				0.0	0.0	5.4	0.2	1.6	0.3	10.0			17.5
1915-16				0.0	0.0	0.6	2.6	1.9	4.4	T			9.5
1916-17				0.0	T	9.1	T	0.8	T	T			9.9
1917-18				0.0	T	15.3	14.4	1.3	0.0	2.7			33.7
1918-19				0.0	0.0	T	T	0.0	0.0	0.0			T
1919-20				0.0	0.0	6.0	T	3.6	T	0.0			9.6
1920-21				0.0	0.0	0.0	T	1.0	0.0	T			1.0
1921-22				0.0	0.0	T	22.1	5.3	0.1	0.0			27.5
1922-23				0.0	0.0	0.2	0.5	5.0	0.0	0.0			5.7
1923-24				0.0	0.0	1.0	T	T	3.7	T			4.7
1924-25				0.0	0.3	T	1.6	0.0	0.0	0.0			1.9
1925-26				T	T	T	5.6	1.4	5.0	0.3			12.3
1926-27				0.0	T	0.0	0.3	0.0	1.3	0.0			1.6
1927-28				0.0	0.0	T	4.6	1.8	T	0.0			6.4
1928-29				0.0	T	1.2	0.9	2.3	T	0.0			4.4

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1929-30				0.0	3.8	3.0	9.6	2.5	0.0	0.0			18.9
1930-31				0.0	T	6.0	1.5	T	T	0.0			7.5
1931-32				0.0	0.0	1.0	0.6	T	2.6	0.0			4.2
1932-33				0.0	0.0	7.5	1.7	5.7	T	0.0			14.9
1933-34				0.0	T	0.1	T	13.4	2.4	0.0			15.9
1934-35				0.0	T	3.9	5.8	0.1	T	0.2			10.0
1935-36				0.0	T	12.3	3.0	13.3	0.0	T			28.6
1936-37				0.0	0.0	T	0.0	3.5	1.6	0.0			5.1
1937-38				0.0	T	1.2	0.5	T	0.0	0.0			1.7
1938-39				0.0	9.2	T	1.2	0.0	0.3	0.0			10.7
1939-40				0.0	T	3.3	22.4	0.5	0.3	2.5			29.0
1940-41				0.0	0.0	T	0.3	3.3	5.9	0.0			9.5
1941-42				0.0	0.0	0.0	5.2	T	T	0.0			5.2
1942-43				0.0	0.0	7.3	0.1	T	6.0	T			13.4
1943-44				0.0	0.3	4.5	3.4	2.0	T	0.0			10.2
1944-45				0.0	0.0	T	0.5	T	0.0	0.0			0.5
1945-46				0.0	0.0	8.2	6.9	0.6	0.0	0.0			15.7
1946-47				0.0	0.0	1.4	0.0	4.1	11.8	0.0			17.3
1947-48				0.0	0.6	0.3	13.2	8.9	T	0.0			23.0
1948-49				0.0	0.0	0.9	1.3	T	0.4	T			2.6
1949-50				0.0	0.0	T							

### REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation and snowfall in inches; wind movement in miles per hour; and relative humidity in percent.

Sky cover is based on 0 for no clouds or obstructions to 10 for complete sky cover. Degree days are based on daily average temperatures of 65°F. Sleet and hail were included in snowfall totals, beginning with July 1948.

As of January 1, 1949, dewpoint values below 32°F. and relative humidity values at temperatures below 32°F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygrometric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

Heavy fog in the Means and Extremes Table includes data referred to at various times in the past as "Dense" or "Thick". The upper visibility limit for heavy fog is 1/4 mile.

Means and Extremes for Period of Record, Average Temperature and Precipitation Tables are computed from record of cooperative station located in downtown Albany, Georgia. Elevation 230 feet.

Below zero temperatures are preceded by a minus sign.

- No record.

+ Also on other dates, months, or years.

T Trace, an amount too small to measure.

Sale Price: 10 cents per copy. Checks and money orders should be made payable to the Treasurer of the United States. Correspondence regarding subscription should be addressed to the Weather Bureau Office in the city for which this summary was issued.

W.R.P.C., Chattanooga, Tenn. --- 5/18/50 --- 400

### STATION HISTORY

The first office of the U. S. Weather Bureau in Richmond was established on September 23, 1895, in the State Library Building. Climatological work was carried on in cooperation with the Virginia State Department of Agriculture, but no meteorological observations were taken. The office was moved to the Chamber of Commerce Building, Ninth and Main Streets, on May 22, 1897. Observations were begun on October 5, 1897. Elevation of barometer, 144 feet above mean sea level. Height of instruments above ground: thermometers 98 feet, rain gage 89 feet, anemometer 105 feet, wind vane 107 feet.

On May 31, 1900, the office was moved to the Times Building, Tenth and Bank Streets. Elevation of barometer, 157 feet; other instruments above ground; thermometers 82 feet, raingage 76 feet, anemometer 90 feet, wind vane 92 feet.

The office was moved to the Mutual Assurance Society Building at Ninth and Main Streets on June 30, 1905. Elevation of barometer 215 feet; other instruments above ground: thermometers 145 feet, rain gage 138 feet, anemometer 153 feet, wind vane 154 feet.

Occupancy of the present offices in the Weather Bureau Building in Chimborazo Park, on East Broad Street at 33rd, began January 30, 1910. Elevation of barometer 168 feet above mean sea-level; other instruments above ground: thermometers 11 feet, rain gage 3 feet, anemometer 52 feet, wind vane 53 feet.

Chimborazo Park is open with tree-lined drives and no buildings. The surrounding country is rolling with considerable flat land and no nearby hills as high as the Weather Bureau location. The ground elevation of the station is 162 feet. About 500 feet southwest of the station the ground falls away sharply to the James River Valley. The James River is about one-half mile southwest of the office. The location is above the river fog and instrumental exposure is quite satisfactory.

Some excellent weather records were obtained from other sources prior to the establishment of a Weather Bureau Office in Richmond. Some fragmentary records were kept in the years 1850 to 1854, and in 1860. The Richmond, Fredericksburg and Potomac Railroad Company began a precipitation record in 1871 which was continued unbroken through 1904 and possibly longer. From January, 1871, to August, 1875, the gage was located about 30 feet above ground on the roof of the passenger depot which was at the northwest corner of Broad and Eighth Streets. Beginning with September, 1875, the gage was moved to the grounds of the railroad company's shops in the western part of Richmond.

Beginning with January, 1880, observations of temperature and precipitation were made in the Church Hill section of Richmond, near the present site of the Weather Bureau Office, by W. H. Pleasants. In February, 1893, Mr. Pleasants moved to Bon Air and continued as an observer at that place. From March, 1893, to March, 1895, temperatures were recorded by River Observer A. J. Duesberry, at a point near the Southern Railway bridge. In April, 1895, observations of temperature were begun at Westbrook Farms, four miles north of Richmond, and these were continued through November, 1900.