U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA (Byrd Field) — APRIL 1957

Latitude 37 ° 30 ′ N. Longitude 77 ° 20 ′ W. Elevation (ground) 162 ft. EASTERN Standard time used

Date	Temperature (°F) Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)	Precipitation Total (Water equivalent) (In.)	Snow, Sleet (In.)	Snow, Sleet, or Ice on ground at 7:30 AM (In.)	Wind Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Direction	Sunshine Total (hours and minutes)	Percent of possible	Sky cover Sunrise to sunset (tenths)	Midnight to midnight (tenths)	Thunderstorm or distant lightning	Weather restricting visibility to ¼ mile or less	JAMES RIVER STAGE at 8:00 AM	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	24
1	65	36	51	- 1	14	.02	0	0	SSE	12.1	26	SE	1:18	10	9	9			1.0	1
2	76	56	66	+ 14	0	.09	0	0	WSW	14.1	26	S	6:52	54	7	7			1.0	2
3	59	43	51	- 2	14	0	0	0	NNE	10.5	17	NE	6:50	54	8	7			1.0	3
4	54	46	50	- 3	15	T	0	0	ENE	10.8	18	E	0:00	0	10	10			3.0	4
5	73	51	62	+ 9	3	.43	0	0	S	13.4	31	SW	0:47	6	10	9	T, DL		2.5	5
6	60	39	50	- 3	15	.08	0	0	W	12.6	38	SW	3:45	29	9	7			3.7	6
7	76	35	56	+ 2	9	0	0	0	SSW	8.9	22	SW	10:06	79	4	3			8.7	7
8	73	53	63	+ 9	2	1.36	0	0	S	10.7	27	SW	2:09	17	10	8	T, DL		10.7*	8
9	60	37	49	- 5	16	0	0	0	W	13.5	30	W	12:00	93	2	2			8.2	9
10	64	35	50	- 5	15	0	0	0	SW	8.9	17	NW	11:01	85	5	3			4.2	10
11	73	36	55	0	10	0	0	0	S	10.8	18	SW	12:23	95	4	5			2.6	11
12	78	48	63	+ 8	2	0	0	0	SW	10.6	24	NE	11:40	90	4	5			2.5	12
13	48	32	40	- 15	25	.18	1.2	1	N	10.5	22	NE	7:13	55	7	7			2.2	13
14	55	31	43	- 13	22	0	0	0	NNE	7.0	14	NW	13:06	100	1	2			2.0	14
15	57	31	44	- 12	21	0	0	0	NNE	6.4	14	N	13:09	100	0	0			1.8	15
16	64	34	49	- 7	16	0	0	0	S	8.7	16	S	9:49	74	8	7			1.6	16
17	76	50	63	+ 6	2	T	0	0	S	9.7	17	SW	7:15	55	9	9			1.5	17
18	78	58	68	+ 11	0	0	0	0	SSW	8.9	15	SW	8:56	52	7	7			1.5	18
19	83	58	71	+ 14	0	0	0	0	SSW	8.1	18	E	10:04	76	6	4			1.5	19
20	87	54	71	+ 13	0	T	0	0	SSW	7.3	15	S	9:29	71	5	7		F	1.7	20
21	92	64	78	+ 20	0	0	0	0	SSW	6.6	16	SW	11:33	86	4	4	DL		1.6	21
22	75	58	67	+ 9	0	0	0	0	ENE	10.1	20	NE	8:11	61	7	7			1.5	22
23	81	56	69	+ 10	0	T	0	0	S	5.3	14	SE	5:57	44	8	9			1.3	23
24	89	64	77	+ 18	0	.07	0	0	SW	5.9	17	SE	9:48	73	6	7	T, DL		1.3	24
25	85	64	75	+ 16	0	.02	0	0	E	6.1	15	SW	8:14	61	7	6	DL		1.5	25
26	89	58	74	+ 15	0	0	0	0	SSE	4.4	13	SE	10:00	74	4	2		F	1.3	26
27	93	62	78	+ 18	0	0	0	0	SSW	6.6	13	S	13:36	100	0	0			1.3	27
28	93	61	77	+ 17	0	0	0	0	SSW	5.9	20	NW	12:06	89	1	3	DL		1.3	28
29	78	63	71	+ 11	0	T	0	0	NNE	6.8	17	NE	7:47	57	8	6	DL		1.3	29
30	84	57	71	+ 10	0	0	0	0	NW	7.0	18	W	13:43	100	0	0			1.5	30
31																				31
Sum	2218	1469	—	—	—	2.25	1.2	—	—	268.2	—	—	256:47	—	170	162	—	—	73.8	Sum
Avg.	73.9	49.0	—	—	—	—	—	—	—	8.9	Fastest	Dir.	Possible	%	5.7	5.4	—	—	2.5	Avg.
										Misc.	38	SW	394:44	65	—	—	—	—		Misc.

EXCESSIVE PRECIPITATION — April 5th 8th: 5 Minutes Amount .31 .4; 10 .32 .4; 15 .32 .4; 20 .32 .52; 30 .33 .53; 45 .37 .56; 60 .37 .56; 80 .37 .56; 100 .37 .57; 120 .38 .57; 150 .42 .57; 180 .42 .57

*Automatic Record Incomplete

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly		61.5
Departure from normal		+ 5.4
Highest	93	on 27th, 28th
Lowest	31	on 14th, 15th
Number of days with —		
Max. 32° or below		0
Max. 90° or above		3
Min. 32° or below		3
Min. 0° or below		0

HEATING DEGREE DAYS (base 65°):

Total this month	201
Departure from normal	- 70
Seasonal total (since July 1)	3498
Seasonal departure from normal	-391

BAROMETRIC PRESSURE (In.)

Avg. station (elev. 164 feet, m.s.l.)			29.942
Highest sea level	30.52	on	16th
Lowest sea level	29.40	on	8th

PRECIPITATION: (In.)

Total for the month			2.25
Departure from normal			- .98
Greatest in 24 hours	1.36	on	8th
Snow, Sleet—			
Total for the month	1.2		
Greatest in 24 hours	1.2	on	13th
Greatest depth on ground	1	on	13th
Dates of — Hail	None		
Sleet 13th Glaze	None		

Symbols used in columns 18-19

A = Hail
BS = Blowing snow
DL = Distant lightning
D = Dust
E = Sleet
F = Fog
H = Haze
K = Smoke
L = Drizzle
N = Sand
R = Rain
S = Snow
T = Thunderstorm
ZL = Freezing drizzle
ZR = Freezing rain

*When this elevation differs from the present station elevation this level was selected to permit comparison of data for a longer period of homogeneous record.

This April averaged the warmest in 60 years of record.

During an extended warm spell which began on the 17th and continued through the remainder of the month, high temperature records for the dates were set on the 21st and 28th. The James River was slightly above flood stage at Richmond on the 7th and 8th with only nuisance damage. *James River crested 11.0 feet about mid-morning, which was 3.0 feet above flood stage.

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1															T	T	T	T	T	T	T		.02	T	1
2	T		T	.05	.02	.01	.01	T																	2
3																									3
4									T	T	T														4
5													.04	.03									.33	.03	5
6	.07	T		T	.01						T														6
7																									7
8													T	.36	.08	.04	.10	.11	.10	T	.53	.04	T	T	8
9																									9
10																									10
11																									11
12																									12
13				T	.03	.05	.06	.03	.01																13
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25	.02	T	T	T	T	T						T													25
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31																									31

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