U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

BUFFALO, NEW YORK
GREATER BUFFALO INTERNATIONAL AIRPORT
JANUARY, 1964

Latitude 42° 56′ N. Longitude 78° 44′ W. Elevation (ground) 705 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 7:00am (In.)	Wind † Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Fastest mile † 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	Wind mph	Wind Direction	Time 24-hr. clock	Lake Temp.	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	27	8	18	-8	47	.88	8.1	8	05	7.0	16	NE	0:00	0	10	9		S	1610	18	NE	32	1
2	36	25	31	+5	34	.01	0.1	16	26	22.7	38	W	0:00	0	10	10		BS	1248	46	W	32	2
3	46	34	40	+15	25	0	0	13	25	18.8	38	SW	6:16	69	5	7			1332	44	SW	32	3
4	36	32	34	+9	31	.01	0.1	7	27	19.4	29	W	0:13	2	10	10			1054	37	SW	32	4
5	36	30	33	+8	32	0	0	6	24	10.5	20	SW	3:50	42	9	6			0606	29	W	32	5
6	41	32	37	+12	28	.07	T	5	20	14.1	26	W	0:00	0	10	10			1124	33	SW	32	6
7	36	27	32	+7	33	.01	T	4	32	6.9	20	W	4:47	52	6	6			0125	25	W	32	7
8	39	22	31	+6	34	0	0	3	14	7.7	10	SE	7:13	78	6	4			0744	15	SE	32	8
9	48	34	41	+16	24	.12	T	2	18	17.2	30	S	0:00	0	10	10			0838	44	S	32	9
10	34	19	27	+2	38	.02	0.1	1	28	24.9	38	W	6:58	75	4	7			1007	51	W	32	10
11	25	11	18	-7	47	.02	0.3	1	27	12.0	20	W	1:57	21	10	8			0202	28	W	32	11
12	16	9	13	-12	52	T	T	1	08	14.5	20	E	0:00	0	10	9			1510	30	E	32	12
13	17	10	14	-11	51	T	0.3	1	07	15.4	24	NE	0:00	0	10	10			1414	30	NE	32	13
14	16	9	13	-12	52	.01	T	1	26	8.8	14	N	8:29	91	7	6			0101	20	NE	32	14
15	25	11	18	-7	47	T	T	1	24	15.8	28	SW	8:42	92	2	3			2324	35	SW	32	15
16	29	23	26	+1	39	.05	0.5	1	24	19.0	35	SW	0:00	0	10	9			0808	43	SW	32	16
17	30	26	28	+3	37	.01	0.1	2	27	8.8	20	SW	3:18	35	8	9			1224	25	SW	32	17
18	39	27	33	+8	32	0	0	2	23	16.0	29	SW	9:27	100	2	3			1153	46	SW	32	18
19	46	26	36	+11	29	0	0	1	18	8.2	15	SW	5:22	56	9	7			1347	17	SW	32	19
20	44	35	40	+15	25	.19	0.2	1	25	13.7	29	SW	0:00	0	10	10			1534	35	SW	32	20
21	41	32	37	+12	28	0	0	T	25	15.7	29	SW	9:33	100	1	2			1327	43	SW	32	21
22	45	28	37	+12	28	0	0	T	12	7.2	14	SE	8:33	89	9	7			1333	20	SE	32	22
23	54	39	47	+23	18	T	0	T	24	7.8	16	SW	4:25	45	6	7			1052	20	SW	32	23
24	48	39	44	+20	21	.13	0	T	09	7.8	16	SE	6:04	62	9	10			2357	22	S	32	24
25	53	29	41	+17	24	.28	0.4	T	25	26.6	36	SW	2:10	22	9	10		S	2342	53	W	32	25
26	32	17	25	+1	40	.06	1.3	2	27	23.1	41	W	4:44	49	10	10		SBS	0213	61	W	32	26
27	28	18	23	-1	42	.02	0.3	2	27	15.8	29	SW	6:39	68	8	7			0558	39	W	32	27
28	23	15	19	-5	46	.08	1.4	2	32	7.8	16	N	6:07	62	8	9			1311	22	NW	32	28
29	31	7	19	-5	46	.02	0.3	3	24	12.5	25	SW	8:24	85	9	8			2042	35	SW	32	29
30	34	23	29	+5	36	.02	0.2	2	30	11.0	24	W	8:54	90	5	5			0102	31	W	32	30
31	41	22	32	+9	33	.11	T	1	16	10.2	20	SW	1:36	16	10	9			1454	27	SW	32	31
Sum	1096	719	—	—	—	2.12	13.7	—	—	426.9	—	—	133:41	—	242	237	—	—	--	--	--	--	Sum
Avg	35.4	23.2	—	—	—	—	—	—	—	13.8	Fastest	Dir.	Possible	%	7.8	7.6	—	—	--	--	--	--	Avg.
										Misc.	41	W	292:32	46	—	—	—	—	--	61	W	--	Misc.

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

TEMPERATURE: (°F)

Average monthly		29.3
Departure from normal		+4.8
Highest	54	on 23rd
Lowest	7	on 29th
Number of days with —		
Max. 32° or below		12
Max. 90° or above		0
Min. 32° or below		26
Min. 0° or below		0

HEATING DEGREE DAYS (base 65°):

Total this month	1099
Departure from normal	-188
Seasonal total (since July 1)	3589
Seasonal departure from normal	-299

BAROMETRIC PRESSURE (In.)

Avg. station (elev. 768 *feet, m. s. l.)			29.107
Highest sea level	30.56	on	12th
Lowest sea level	29.17	on	25th

PRECIPITATION: (In.)

Total for the month		2.12
Departure from normal		-0.72
Greatest in 24 hours	0.89	on 1-2nd
Snow, Sleet—		
Total for the month		13.7
Greatest in 24 hours	8.2	on 1-2nd
Greatest depth on ground	16	on 1-2nd
Dates of — Hail	25th	
Sleet 25th	Glaze/Rime	1st

Effective with data for January 1964, temperature normals used in the preparation of this bulletin are revised climatological standard normals based on the period 1931-1960. They are arithmetic averages that have been adjusted to represent observations at the present locations of the weather instruments. New heating degree day normals will be placed in use effective with July 1964 data.

The New Year Day snowstorm and a five-day freeze from the 11th to the 15th were the main wintry touches to an otherwise mild month which averaged 10.4° warmer than January a year ago. Ice from Lake Erie caused problems in both the Upper and Lower Niagara Rivers. It also blocked the intakes to Buffalo's water supply causing a two-day emergency. Reports of minor damage throughout Western New York followed a windstorm the 25th-26th.

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.

† If figures are carried in columns 10 and 13 they indicate directions in tens of degrees from true North; for example, 9 = East, 18 = South, 27 = West, and 36 = North.

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	.08	.16	.20	.26	.14	.03	.01	T	T	T	T	1
2	T	.01	T			T	T	T	T																2
3																									3
4								T	T	T	T	T	T	T	T	T	T	.01	T	T	T				4
5																									5
6											T	.01	.03	.03	T										6
7																T	.01								7
8																									8
9					T	.03	.04	.01	T		T	T	.01		T	T	T	.01	.01			T	T	.01	9
10	T	.01	T	.01	T	T	T						T												10
11														T	T	T	T	T	.01	.01	T	T			11
12								T	T	T	T					T	T			T	T	T	T	T	12
13	T					T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	13
14	T	T	T	T	T	T	T	.01	T	T														T	14
15	T																								15
16								T	T					T	.01	T	T	T	T	T	T	.01	.01	.02	16
17	T	T	T	.01						T	T	T													17
18																									18
19																									19
20		T	T								T	T	.01	.01	.03	.03	.05	.04	.01	.01	T				20
21																									21
22																									22
23	T	T																				T			23
24				T																			.02	.11	24
25	.16	.02	T	T	T	T	.06	.01	T			T	.01	T	T	T	T	T	T		T	T	.02	T	25
26	T	T	.01	.01	.01	T	.01	.01	T	.01	T	T													26
27										T	.01	.01	T	T	T										27
28				T	.01	.01	.01	T	T	.01	.02	T	T	.01	.01	T				T	T	T	T	T	28
29	T	T	T	T	T			T	T	T											T	.01	.01	T	29
30	T	T	T	.01	.01	T	T																		30
31																.01	.03	.03	.01	T	.01	.01	.01	T	31

Corrections, if any, to data in this issue will be published in a later issue.

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B. L. Wiggin

B. L. Wiggin, Meteorologist in Charge