

ABSTRACT FOR THE MONTH OF FEBRUARY, 1874. *Barometer reduced to 32° Fahr., and to sea level; estimated height about 100 feet.*

DAY.	THERM. METER.					BAROMETER.					Rain and Sleet	Snow, Melted	Constant + 0.170 used in all Barometer Readings.
	9 a. m.	3 p. m.	9 p. m.	Mean	Max Min Range	9 a. m.	3 p. m.	9 p. m.	Mean.				
Sunday	1 -14.6	0 0	-9.5	-1.7	1 0 -7.5 8.5	30.724	.750	.814	30.706			Highest Barometer. Minimum of the month -18.0. Partly 2nd and 3rd.	
	2 -15.4	-1.3	-2.4	-6.4	-1.3 -18.0 16.7	.601	.645	.610	.652	.....	.....		
	3 6.3	15.2	15.0	12.2	15.2 -2.4 17.6	1.148	.051	.29.914	.017	.....	.....		
	4 18.4	21.5	11.0	17.1	21.8 18.7 8.1	30.039	.081	.219	.103	.....	.....		
	5 -3.2	6.5	2.5	1.8	6.5 -7.5 13.5	.441	.381	.415	.412	.....	.....		
Sunday	6 -2.8	6.5	2.0	3.2	6.5 -4.0 10.5	.461	.380	.280	.377			Great range of Th. r.; rap thaw. Lowest range of Th. r. on 14th. Lowest Barometer on 16 h.	
	7 8.8	21.3	4.8	15.0	7.5 -4.5 22.0	.122	.109	.159	.137	.....	.....		
	8 8.3	21.3	16.0	16.2	21.8 -1.5 22.0	.378	.333	.235	.367	.....	.....		
	9 11.6	20.4	16.5	16.2	21.8 6.0 15.8	28.986	.945	.029	.....	.....	.....		
	10 19.4	27.2	18.0	21.5	18.1 5.4	29.838	.750	.769	20.783	(napp)	.....		
	1 1.1	1.0	14.0	15.1	19.1 9.0 10.1	.763	.727	.845	.778			{ Maximum of the month, 41.2. Rapid thaw.	
	2 4.8	14.0	10.2	9.7	14.0 8.6 10.5	30.149	.158	.048	33.118	.....	.....		
	3 37.2	42.0	39.2	39.5	43.0 7.5 38.5	23.747	.577	.465	29.643	.....	.....		
	4 33.0	37.5	23.0	28.8	33.0 32.0 1.0	.814	.809	.195	30.034	0.75	.....		
Sunday	5 26.5	36.5	34.0	22.3	37.0 19.5 17.5	39.175	.015	.040	.....	Inapp.	.....		
	6 23.0	31.0	29.7	29.9	31.0 28.0 5.0	29.510	.425	.405	29.465	0.37		Greatest range of Barometer.	
	7 13.1	19.4	9.8	14.1	21.5 4.0 9.5	30.359	.917	.30.135	.976	.....	.....		
	8 4.5	28.2	31.0	21.2	18.5 4.0 14.5	30.355	.305	.405	31.573	.....	.....		
	9 7.5	17.1	10.0	21.2	31.0 -0.5 31.5	29.762	.877	.30.095	.643	0.10	.....		
	10 31.8	40.8	28.2	34.6	41.2 30.0 11.2	30.159	.30.130	.30.145	30.147	0.26	.....		
Sunday	11 15.2	21.0	24.0	20.1	24.0 14.0 10.0	30.165	.315	.310	29.592	0.23		Greatest range of Barometer.	
	12 23.5	33.0	33.0	31.2	36.8 14.5 12.3	.359	.480	.620	29.592	0.25	.....		
	13 6.2	14.8	10.5	10.5	19.0 19.0	30.443	.465	.514	30.475	.....	.....		
	14 15.5	23.5	19.0	19.3	.....	.....	.....	.....	.....	.....	.....		
	15 19.4	21.0	20.0	20.0	.....	.....	.....	.....	.....	.....	.....		
	16 23.0	24.0	21.5	22.8								MEANS	
	17 15.0	26.0	23.0	21.3	.....	.....	.....	.....	.....	.....	.....		
	18 13.40	11.1	16.23	17.47	8.74	.....	.....	.....	.....	1.01	1.27		

Mean temperature of the month, 17.47; mean of the maxima and minima temperatures, 17.37; greatest heat on the 20th, 41.2; greatest cold on the 2nd, 18 below zero—giving a range of temperature of fifty-nine degrees. Greatest range of the thermometer on the 13th, 36.5; lowest range on the 14th, 1.0. Eight nights below zero—(note minus sign -)

Mean height of the barometer corrected for temperature 32°, and reduced to sea level (constant applied + 0.100) 30.012; highest reading of barometer on the 14th, 30.814; lowest reading on the 16th, 29.425—giving a range of 1.389 inches.

Rain and snow fall on nine days; amount of precipitation when the snow was reduced to its equivalent of water, 2.28 inches. Practically 6 inches of snow to be equivalent to 1 inch of rain.