A COMPARISON of some of the Meteorological Phenomena of JANUARY, 1867, with those of JANUARY, 1866, and of the same month for SIXTEEN years, at Philadelphia, Pa. Barometer 60 feet above mean tide in the Delaware River. Latitude $39^{\circ} 57\frac{1}{2}'$ N.; Longitude $75^{\circ} 11\frac{1}{4}'$ W. from Greenwich. By PROF. J. A. KIRKPATRICK, of the Central High School.

	January, 1867.	January, 1866.	January, for 16 years.
Thermometer—Highest—degree.....	42-00	52-00	65-00
“ date.....	5th.	13th.	29th, '64.
Warmest day—mean ..	37-00	43-67	58-33
“ date.....	6th.	13th.	15th, '63.
Lowest—degree.....	9-00	-9-00	-9-00
“ date.....	16th.	8th.	8th, '66.
Coldest day—mean	16-00	2-67	-1-00
“ date	30th.	8th.	9th, '56.
Mean daily oscillation...	10-61	12-52	11-89
“ “ range.....	5-03	7-20	6-48
Means at 7 A. M.	23-29	27-47	27-48
“ 2 P. M.	29-29	33-98	34-81
“ 9 P. M.	26-23	29-53	30-72
“ for the month....	26-27	30-33	31-00
Barometer—Highest—inches.....	30-443	30-757	30-757
“ date.....	30th.	8th.	8th, '66.
Greatest mean daily pressure	30-407	30-665	30-665
“ “ date... ..	30th.	8th.	8th, '66.
Lowest—inches	29-337	29-565	28-911
“ date.....	21st.	13th.	23d, '53.
Least mean daily pressure...	29-426	29-642	29-086
“ “ date... ..	10th.	13th.	23d, '53.
Mean daily range.....	0-225	0-181	0-216
Means at 7 A. M.	29-918	29-999	29-957
“ 2 P. M.	29-883	29-960	29-916
“ 9 P. M.	29-919	29-991	29-946
“ for the month.....	29-907	29-983	29-940
Force of Vapor—Greatest—inches	0-183	0-309	0-505
“ date	21st.	20th.	11th, '58.
Least—inches.....	0-042	0-024	0-023
“ date.....	30th.	8th	22d, '57.
Means at 7 A. M.	0-099	0-127	0-131
“ 2 P. M.	0-109	0-131	0-146
“ 9 P. M.	0-101	0-133	0-142
“ for the month....	0-103	0-130	0-140
Relative Humidity—Greatest—per cent	94-0	100-0	100-0
“ date.....	20th.	15th.	Often.
Least—per cent....	40-0	32-0	24-0
“ date.....	5th.	4th.	25th, '60.
Means at 7 A. M.	76-3	78-3	79-5
“ 2 P. M.	66-3	62-2	67-5
“ 9 P. M.	68-7	77-0	75-9
“ for the month	70-4	72-5	74-3
Clouds—Number of clear days*.....	12-	8-	9-1
“ cloudy days	19-	23-	21-9
Means of sky covered at 7 A. M	52-9 per ct	69-7 per ct	62-2 per ct
“ “ 2 P. M	60-0	56-8	62-4
“ “ 9 P. M	42-9	56-4	48-5
“ “ for the month	51-9	61-0	57-7
Rain and melted snow—Amount—inches	1-925	2-885	3-156
No. of days on which rain or snow fell...	8-	7-	10-5
Prevailing Winds—Times in 1000.....	N 69° 9' W-424	N 61° 3' W-310	N 61° 52' W-825

* Sky one-third or less covered at the hours of observation.