A COMPARISON of some of the Meteorological Phenomena of APRIL, 1867, with those of APRIL, 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 PROFESSOR J. A. KIRKPATRICK, of the Central High School.

	April, 1867.	April, 1866.	April, for 16 years.
Thermometer—Highest—degree.....	80-00°	82-00°	88-00°
“ date.....	22d.	21st.	24th, '61.
Warmest day—mean ..	64-83	73-17	74-30
“ date.....	22d.	21st.	29th, '56.
Lowest—degree.....	36-00	37-00	20-00
“ date.....	28th.	8th.	7th, '57.
Coldest day—mean	41-50	38-67	27-70
“ date.....	24th.	8th.	2d, '57.
Mean daily oscillation...	17-75	14-17	16-40
“ “ range.....	6-54	6-09	6-23
Means at 7 A. M.	47-22	50-30	46-22
“ 2 P. M.	59-92	61-28	57-86
“ 9 P. M.	52-32	54-80	50-09
“ for the month ...	53-15	55-46	51-39
Barometer—Highest—inches.....	30-314	30-252	30-518
“ date.....	14th.	17th.	3d, '54.
Greatest mean daily pressure	30-289	30-203	30-458
“ “ date.....	14th.	17th.	3d, '54.
Lowest—inches	29-295	28-820	28-820
“ date.....	22d.	23d.	23d, '66.
Least mean daily pressure...	29-516	29-051	28-959
“ “ date...	22d.	23d.	21st, '52.
Mean daily range.....	0-234	0-145	0-171
Means at 7 A. M.	29-966	29-832	29-830
“ 2 P. M.	29-906	29-771	29-786
“ 9 P. M.	29-931	29-800	29-817
“ for the month	29-934	29-801	29-811
Force of Vapor—Greatest—inches	0-504	0-605	0-689
“ date	30th.	21st.	29th, '65.
Least—inches.....	0-74	0-94	0-66
“ date.....	6th.	9th.	18th, '52.
Means at 7 A. M.	0-213	0-266	0-233
“ 2 P. M.	0-222	0-302	0-249
“ 9 P. M.	0-241	0-305	0-253
“ for the month...	0-225	0-292	0-245
Relative Humidity—Greatest—per cent	94-0	90-0	100-0
“ date.....	30th.	19th.	Often.
Least—per cent....	21-0	18-0	13-0
“ date.....	6th.	29th.	13th, '52.
Means at 7 A. M.	63-0	69-2	70-5
“ 2 P. M.	42-6	51-9	50-9
“ 9 P. M.	59-3	67-1	66-8
“ for the month	55-0	62-7	62-7
Clouds—Number of clear days*.....	9.	7.	8-4
“ cloudy days	21.	23.	21-6
Means of sky covered at 7 A. M	58-0 per ct	67-3 per ct	62-7 per ct
“ “ 2 P. M	57-7	71-3	66-1
“ “ 9 P. M	42-3	54-3	52-8
“ “ for the month	52-6	64-3	60-5
Rain—Amount—inches.....	1-360	2-922	4-479
No. of days on which rain fell.....	10.	10.	12-6
Prevailing Winds—Times in 1000.....	s 80° 8' w-143	N 74° 45' w-141	N 68° 47' w-147

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