

Results of Meteorological Observations, for the week ending Saturday, October 16th, 1869.

NAMES OF STATIONS AND OBSERVERS.	BAROMETER. Reduced to 32 deg. F. & mean sea lev.		MEAN TEMPERA- TURE.			Mean degree of Humidity (sat. -100)	SELF-REGISTERING THERMOMETERS.								Mean amount of Clouds (0-10).	Mean amount of Ozone (0-10).	WIND.										RAIN.	
	Mean.	Range.	Of Air in Shade.	Of Evaporation.	Of Dew-point.		Maximum.	Minimum.	Range.	Mean of all Maxima.	Mean of all Minima.	Black bulb Maxim. in Sun.	Minimum ex- posed on grass.	Number of days it blew in certain directions.										Mean Force 0-12. Number of days it fell.	Amount in inches.			
														N.			N.E.	E.	S.E.	S.	S.W.	W.	N.W.			Calm, etc.		
BATH..... Dr. Barter, F.M.S.	29.968	0.961	56.9	52.9	49.3	76	73.8	44.3	29.5	64.0	52.7	117.8	..	6.5	5	0.3	0.7	..	0.6	0.7	0.7	2.6	0.4	1	3.4*	5	0.33	
BOURNEMOUTH..... Dr. Compton, F.M.S.	30.041	0.850	55.4	53.2	51.1	86	66.0	39.2	26.8	60.8	52.5	116.0	36.0	4.1	3.2	..	..	..	0.3	0.7	1.3	2	1.7	1	2.4	3	0.24
DOVER..... Dr. Parsons.	29.979	0.950	55.5	53.3	51.2	86	65.8	33.9	31.9	61.4	42.9	..	..	5.6	..	..	..	..	1.3	0.3	2	2	1.3	..	3.8	2	0.10
DUBLIN..... Dr. J. W. Moore.	29.921	1.122	54.5	51.7	49.0	82	69.4	43.5	25.9	59.1	52.0	..	39.3	5.7	..	0.3	..	..	0.5	0.7	1.4	2.6	1.5	..	3.6	4	0.22
Kew..... Dr. Treutler, F.L.S., etc.	30.006	0.952	55.0	52.7	50.5	85	71.7	41.3	30.4	62.8	49.4	119.2	36.4	2.9	2.3	..	..	..	0.3	..	2.7	1.3	1.3	1.3	2.6	4	0.40
LLANDUDNO..... Drs. Nicol and Dalton.	29.894	0.930	55.5	52.5	49.6	81	73.2	46.0	27.2	61.8	51.9	..	..	7	1?	0.3	0.3	0.7	..	..	0.3	3.7	1.7	..	2.7	3	0.68
MALVERN..... Messrs. W. and J. Burrow.	29.975	0.940	55.2	52.1	49.1	81	72.2	39.8	32.4	63.0	50.6	121.0	32.3	5.9	5.1	..	..	..	0.7	1	0.3	3	1.3	0.7	5.8*	3	0.27
SCARBOROUGH..... Dr. Fox, M.R.C.P.	29.838	1.027	52.4	50.4	48.4	86	72.5	39.7	32.8	58.7	49.2	121.5	35.3	7.3	6.8	0.7	..	..	..	0.3	2.7	1.3	1.3	0.7	4.1	3	0.52
SIDMOUTH..... Dr. Mackenzie, F.M.S.	30.001	0.902	54.8	52.9	51.1	87	67.0	37.0	30.0	61.5	48.9	..	..	4.7	6	..	..	..	..	3	..	2	2	..	1.1	4	0.15
WORTHING..... W. J. Harris, Esq., M.R.C.S.E.	30.022	0.888	56.7	54.7	52.9	87	67.6	38.4	29.2	62.1	52.6	110.2	29.3	5.2	3.5	..	..	0.7	0.7	..	1	2	1.3	1.3	1.7	2	0.73

* Mean hourly velocity in miles.

REMARKS.—There has been a general decrease in the amount of atmospheric pressure during the week, while the range has been double what it was in the previous week. Pressure has, however, been very uniformly distributed, the greatest difference,—between Bournemouth and Scarborough,—amounting to little more than 0.1 inch. The same may be said of the mean temperature, in which the greatest difference,—between Bath and Scarborough,—amounts to 4.5 degs.;—it has been on the whole from 2 to 3 degs. lower than last week, while the range has been as much, or more, above that of the previous week, amounting to nearly 33 degs. in the case of Scarborough. Winds have been rather variable, but their prevalent direction has been between S.W. and N.W.; they have been of generally moderate force. Rain fell at all stations;—the heaviest fall,—0.73 inch,—occurring at Worthing in two days. The general amount of clouds has been considerably greater than in the week before. During the first half of the week the weather was generally fine and mild,—marked by comparatively high maximum temperatures recorded at most stations; and winds were generally light; mists and fogs, however, were of frequent occurrence, especially in the morning,—and dew was abundantly deposited. The change which followed appears to have been first felt on the morning of the 12th at Worthing,—where the wind shifted suddenly about 9.30 a.m. from the E. to N.W., producing a considerable fall in the temperature, and causing a dense fog which prevailed throughout that day—fog was also observed the same day at Dover and Sidmouth. On the 13th the change had become more general, and the wind veered to the N.W. at all stations at various hours during the day—3 p.m. at Kew—increasing at the same time in force and producing a marked decrease in the temperature;—the maximum at Dublin being 51.1 degs. The barometer, which had been slowly falling all the week,—at Kew at least,—now underwent a rapid and considerable depression, and on the 14th and 15th winds generally backed to S.W., accompanied by frequent rain and squalls. On the 16th S.W. winds were general and of variable force, amounting to fresh gale at Worthing. In the afternoon, the wind suddenly veered to N.W. and increased in force, while the barometer began to rise rapidly—temperature at the same time undergoing a further decrease, the minimum of the night at Kew being 37 degs., which was 20 degs. below the maximum temperature of the day. On the same night a slight fall of snow occurred at Malvern. Thus the week closed with the termination of what appears to have been a cyclonic movement of the atmosphere, a subject which has recently had so much light thrown upon it by the researches of Capt. H. Toynbee, whose papers we would earnestly recommend to the study of all meteorologists. On the 11th, at Llandudno, “a beautiful meteor was seen at 5.40 p.m. in good daylight; it was of a greenish-orange colour, its direction was slanting from the zenith to the horizon from E. to N., it disappeared behind some clouds.” The general health is good.

Kew, W., October 20th, 1869.

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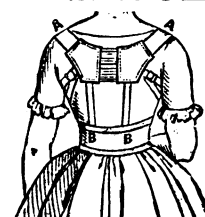
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