

of twelve months. Next to this is the west wind, which is the predominant wind in four out of twelve months. The north-east wind, dreadful to invalids, is the prevalent wind in March, and is very frequent in April.

Supposing the winds to blow from each quarter on an average with the same velocity* (say 20 miles an hour), particles of air vertical over York at the commencement of *an average day*, would be removed at the termination of that day about 100 miles to E.N.E. It appears from Sir W. Harris's computations† that at Greenwich the air is displaced *on an average day* about 116 miles to E.N.E.; at Devonport about 100 miles to E. by N.; and near Portsmouth about 92 miles to a little S. of E. Undoubtedly the most general stream of air over the British Islands is from the west and south-west.

The effect of these winds may now be traced on the temperature of the several months. In the following table the temperature of the several winds is given from 120 observations of each at 8 A.M.

	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
January ...	31·7	30·3	34·0	34·5	37·0	40·5	42·2	33·6
February ..	37·0	34·3	33·0	37·5	35·8	40·2	42·2	32·5
March.....	35·6	37·3	38·0	39·6	36·3	44·3	47·3	38·2
April	42·0	46·0	51·5	47·2	49·0	50·3	49·2	42·6
May	50·0	50·5	52·2	52·3	58·0	55·1	51·7	51·3
June	57·0	55·0	58·0	57·2	60·5	62·5	60·7	56·6
July	59·1	60·0	63·5	62·2	60·5	62·7	62·5	60·7
August	63·5	64·0	63·0	64·2	64·3	63·5	62·1	60·5
September	52·7	57·5	59·0	54·7	55·6	54·0	54·5	58·6
October ...	46·6	47·0	51·5	47·5	47·2	50·0	48·5	43·0
November	39·6	39·0	41·0	41·0	39·0	42·5	39·5	36·5
December.	34·1	33·7	35·5	34·2	38·2	38·8	37·5	29·6
Means...	45·7	46·2	48·5	47·7	48·4	50·4	49·8	45·4

General mean 47·76.

The coldest wind appears to be nearly in the line from N.N.W.

* The south-west wind is undoubtedly stronger than the average; 20 miles an hour is about the average for the whole year at Greenwich.

† British Association Reports for 1844.