

amount of persevering labour bestowed on daily and hourly records of the weather, an insight (and no inconsiderable one) *has* been gained into the *causes which determine it*, and the sequence of phænomena which exhibit them in action; a style of connotation *has* commenced, which is already bearing practical fruit, in the form of telegraphic warnings of approaching bad weather, of positive value and interest. There can be no better proof of this, than in the fact that the example set by our own Admiralty in the establishment of a system of coast weather signals, has already been followed to a certain extent in Holland, and is in course of being so in France. Nations are perhaps not overready in following up the improvements of their neighbours; but at all events, they are remarkably slow in adopting each other's practical blunders.

(6.) The indications of the coming weather which experience has shown to be in any degree dependable, have been embodied by Admiral Fitzroy in a sort of code of instructions or "forecasts," which have been so very extensively circulated by his praiseworthy zeal, aided by the powerful means at his disposal, that we do not consider it necessary to recapitulate them. They rely mainly on the indications of the barometer and thermometer, together with the observation of the direction and force of the wind at the time and place, and of its immediately previous course; all these particulars being regarded not *per se*, but as in connexion with each other; their indications not being absolute, but relative: so that a rise in the barometer, coupled in one