

" A sudden fall of the barometer, with a westerly wind, is sometimes followed by a violent storm from N.W., or N., or N.E.

" If wind sets in from the E. or S.E., and the gale veers by the south, the barometer will continue falling until the wind is near a marked change, when a lull *may* occur; after which the gale will soon be renewed, perhaps suddenly and violently, and the veering of the wind towards the N.W., N., or N.E., will be indicated by a rising of the barometer, with a fall of the thermometer.

" After very warm and calm weather, a storm or squall, with rain, may follow; likewise at any time when the atmosphere is heated much above the usual temperature of the season.

" Not only the barometer and thermometer, but appearances of the sky and clouds should be vigilantly watched.

" SIGNS OF WEATHER.

" Whether clear or cloudy, a rosy sky at sunset presages fine weather; a red sky in the morning bad weather or much wind, perhaps rain; a gray sky in the morning, fine weather; a high dawn, wind; a low dawn, fair weather.*

" Soft-looking or delicate clouds foretell fine weather, with moderate or light breezes; hard-edged, oily-looking clouds, wind. A dark, gloomy, blue sky is windy; but a light, bright blue sky indicates fine weather. Generally the *softer* the clouds look, the less wind (but perhaps more rain) may be expected; and the harder, more "greasy," rolled, tufted, or ragged, the stronger the coming wind will prove. Also, a bright yellow sky at sunset presages wind; a pale yellow, wet; and thus, by the prevalence of red, yellow, or gray tints, the coming weather may be foretold, if aided by instruments, almost exactly. Small, inky-looking clouds foretell rain; light scud clouds driving across heavy masses show wind and rain; but if alone, may indicate wind only.

" High upper clouds crossing the sun, moon, or stars in a direction different from that of the lower clouds, or the wind then felt below, foretell a change of wind.

" After fine clear weather, the first signs in the sky of a coming change are usually light streaks, curls, wisps, or mottled patches of

* A high dawn is the break of day seen above clouds, instead of the horizon.

white distant clouds, which increase, and are followed by an overcasting of murky vapour that grows into cloudiness. This appearance, more or less oily or watery, as wind or rain will prevail, is an infallible sign.

" Light, delicate, quiet tints or colours, with soft, undefined forms of clouds, indicate or accompany fine weather; but gaudy or unusual hues, with hard, definitely-outlined clouds foretell rain, and probably strong wind.

" When sea-birds fly out early and far to seaward, moderate wind and fair weather may be expected. When they hang about the land, or over it, sometimes flying inland, expect a strong wind, with stormy weather. As many creatures besides birds are affected by the approach of rain or wind, such indications should not be slighted by an observer who wishes to foresee weather.

" Remarkable clearness of atmosphere near the horizon; distant objects, such as hills, unusually visible; or raised (by refraction), and what is called 'a good hearing day,' may be mentioned among signs of wind, if not wet, to be expected.

" More than usual twinkling of the stars, indistinctness or apparent multiplication of the moon's horns, halos, 'wind dogs' (fragments or pieces of rainbows, sometimes called 'wind galls'), seen on detached clouds, and the rainbow, are more or less significant of increasing wind, if not approaching rain, with or without wind.

" Lastly, the dryness or dampness of the air, and its temperature (for the season) should *always* be considered, with other indications of change, or continuance of wind and weather.

" On barometer-scales, the following contractions may be useful:—

RISE	FALL
FOR	FOR
N. E. LY.	S. W. LY.
NW.-N.-E.	SE.-S.-W.
DRY	WET
OR	OR
LESS	MORE
WIND.	WIND.
—	—
EXCEPT	EXCEPT
WET FROM	WET FROM
N. E. LY.	N. E. LY.

When the wind shifts against the sun,
Trust it not, for back it will run.

First rise after very low
Indicates a stronger blow.

Long foretold, long last;
Short notice, soon past."