

THE ABC OF WEATHER FORECASTING

Use YOUR AIRGUIDE BAROMETER

You'll find it most convenient in keeping informed on weather trends so that the clothes you wear and the plans you make for outdoor activities will conform to coming weather conditions.



Use THIS WEATHER CHART

It will help you to interpret the accurate weather predictions of your AIRGUIDE Barometer.

Airguide BAROMETERS are available in many different styles from smooth modern to nautical and traditional. All are smartly designed and made of finest materials to high standards of sensitivity and accuracy. Some models are barometers only, while others include thermometer units or both thermometer and humidity indicator units. Ask at any better store to see other AIRGUIDE models.

Airguide WEATHER INSTRUMENTS make perfect gifts for any occasion. They are always admired, they are always used, they are always gratefully received.

Airguide

WEATHER CHART

FEE AND STEMWEDEL, INC., CHICAGO 47, ILLINOIS



Airguide

WEATHER CHART

Especially designed to be used with AIRGUIDE Barometers

INSTRUCTIONS

With the AIRGUIDE WEATHER CHART it is very easy to make surprisingly accurate weather forecasts. The chart coordinates several important factors in weather forecasting and the forecast is as easy to obtain as reading a simple time table.

INFORMATION NEEDED. To use the weather chart, only three types of information are needed: (1) The barometer reading corrected to sea level (2) The barometer action—whether rising, falling, or remaining steady. (3) The general direction from which the wind is blowing. Wind direction can be easily ascertained by noticing the action of such familiar objects as smoke from chimneys, flags, trees, and waves on water.

HOW TO USE THE WEATHER CHART.

A. The barometer reading corrected to sea level is used to determine the proper division in Column A of the weather chart. In this column there are three possible selections for high, medium, and low barometer readings.

B. After selecting the division in Column A, by reading directly to the right into Column B, three subdivisions are noted, for rising, steady, and falling barometer. The proper subdivision is selected to correspond with the action of your own barometer at the time the forecast is being made.

C. Reading directly to the right from the subdivision selected in Column B, the weather forecast will be found in the proper column for the present wind direction. You will note that the wind direction is separated into quarters or quadrants, and only the general direction from which it is blowing is needed. In case of a dead calm, which is a rather rare occurrence, the forecast should not be made until the wind again begins to blow. During calm wind conditions changes are unlikely until the wind starts to blow again.

EXAMPLE: As an example, let us assume that the barometer reading corrected to sea level is 29.96 inches. Also the barometer is falling and the wind is blowing from the Northeast with moderate velocity. Under Column A we select the center division or the medium barometer. Within this division under Column B, we select the subdivision for a falling barometer. By reading directly to the right in the column marked for wind direction Northeast quadrant, our forecast is found to be "Rain within 12 hours." The weather chart has been prepared for moderate winds. If the wind at this time had been extremely light, the rain possibly would not be expected for a longer period of time, perhaps 24 hours. If the wind at the time of forecast had been very strong, it is possible the rain would occur much sooner, possibly within six hours.

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| A | | WIND DIRECTION | | | | B | |
|-----------------------------|---------|---|--|--|---|------------------|---------|
| BAROMETER READING CORRECTED | | NW Quadrant | SW Quadrant | SE Quadrant | NE Quadrant | BAROMETER ACTION | |
| 30.20 OR HIGHER | RISING | CONTINUED FAIR FOR 24 HOURS Lower temperatures | CONTINUED FAIR FOR 12 HOURS | FAIR WEATHER | CLEAR AND COOL | RISING | FALLING |
| | STEADY | CONTINUED FAIR FOR 48 HOURS No decided change in temperature | CONTINUED FAIR FOR 12 HOURS No decided change in temperatures | RAIN WITHIN 24 TO 48 HOURS | CONTINUED FAIR Lower temperatures | | |
| | FALLING | CONTINUED FAIR FOR 24 HOURS Slowly rising temperatures | FAIR FOR 6 TO 12 HOURS Rising temperatures | RAIN WITHIN 12 HOURS Wind increasing force... rising temp. | RAIN WITHIN 24 TO 48 HOURS | | |
| 30.20 TO 29.80 | RISING | FAIR FOR 48 HOURS Lower temperatures | FAIR FOR 48 HOURS Lower temperatures | FAIR | CLEAR WITH COLDER WEATHER | STEADY | FALLING |
| | STEADY | CONTINUED RAINY CONDITIONS | FAIR FOR 12 HOURS No decided change in temperatures | RAIN WITHIN 12 TO 24 HOURS | NO CHANGE | | |
| | FALLING | FAIR FOR 12 TO 24 HOURS No decided change in temperature | RAIN IMMINENT | RAIN WITHIN 6 TO 12 HOURS Wind increasing force... rising temp. | RAIN WITHIN 12 HOURS | | |
| 29.80 OR LOWER | RISING | CLEARING WITHIN A FEW HOURS Lower temperatures | CLEARING WITHIN 6 HOURS | CLEARING WEATHER | CLEARING AND COOLER | RISING | FALLING |
| | STEADY | CONT'D THREATENING WEATHER Lower temperatures | CONTINUED STORMY WEATHER | CONTINUED RAIN OR NO CHANGE | RAINY WEATHER Clearing 12 to 24 hours | | |
| | FALLING | CHANGING WEATHER | INCREASING RAIN Clearing within 12 hours | SEVERE STORM IMMINENT Clearing within 24 hours | HEAVY RAIN Severe north east gale colder | | |

- NOTE:**
1. This chart is for average wind velocity of 10 miles per hour.
 2. Velocity of wind indicates speed and severity of approaching storm.
 3. The speed of storm's approach and its intensity is indicated by rate of fall of barometer.
 4. This chart for use only in continental United States and Canada.