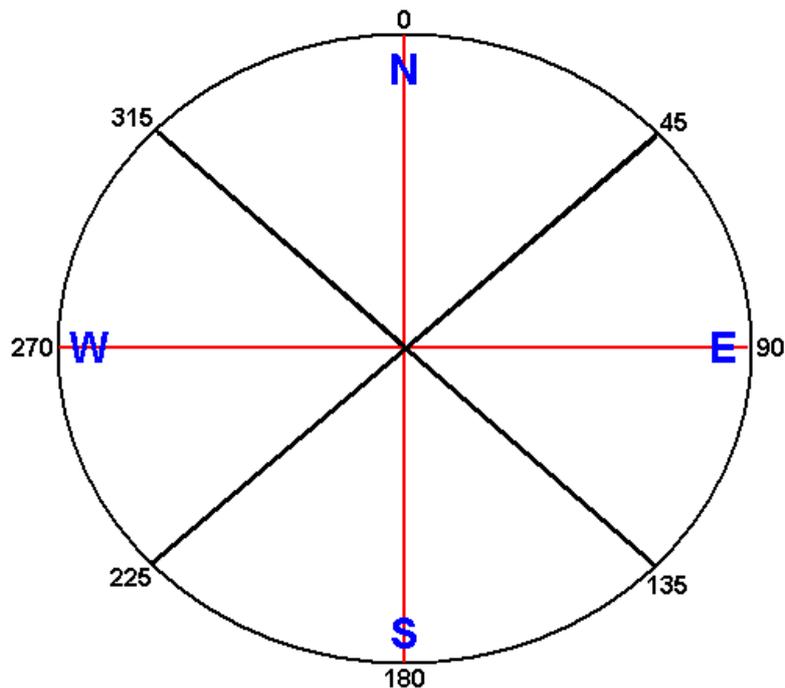


**Aiming:** Now that you have read the basics we can get back to aiming the machine. Aiming will never be perfect, at least not with these first-generation weather machines which we are using, but it will be close enough to get the desired results. Up to now I have used only the Yellow and Blue arrows to affect the weather. This may change as we learn more about how the machine operates.

Let's get ready to aim the machine. There are various ways of doing this, and the following is just one of those ways:

- a) Mount your machine and it's batteries on a movable board, or even better, a large plastic lid. This allows you to turn the whole thing around without having to alter the wiring. The edge of the machine should align exactly with the edge of the board so that we can use the edge of the board or lid to aim the machine.
- b) Using a protractor, draw a complete circle with a diameter of about eight inches and mark it like this:



and while this diagram only shows angles marked every 45 degrees, you mark yours off with additional ticks at 5 degree intervals. This diagram is then ready to be taped to the table or floor where you normally keep the machine.

- c) Use a compass to find magnetic North. Do this from several places in the room and remember that the machine's magnet and any other magnet or large metal object will interfere with the reading. Use something on a wall of the room, or alternatively, a tree outside to use as a sighting line for magnetic North and line up your protractor diagram very accurately so that the 0 degrees (North) line is aimed directly towards magnetic North.
- d) Decide whether you are going to push or pull when using the Yellow arrow and make a note of your choice.
- e) If you live in a hurricane area of America, keep your WeatherRadio with you throughout the day. These radios are normally kept on standby mode and will be silent until a special alert emergency signal is transmitted from the National Weather Service. A timely warning could help you save lives, and one of those might even be your own.
- f) Log your computer in to the weather map web site mentioned above. It is important that we have an appropriate map on the screen. That means a map where the latitude and longitudinal lines are straight and not rounded following the curvature of the Earth. We need a flat kind of map, not a rounded one. If a