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Cyclones! These, the general storms of the temperate latitudes, present probably the greatest problems in weather science. Although much has been learned of cyclones in regard to their larger aspects since it was realized that they are in general great masses of air whirling around a center of low pressure and move as whole from west to east, they are still pretty much of a mystery as to their details. How do they form? What is the distribution of temperature, humidity, pressure and wind direction and relative speed throughout their entire structure from the surface of the earth to their very tops? These require answer before forecasting can be taken from the empirical and placed upon a scientific basis.
