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Air pressure and wind! We feel the fierce intensity of the sun in summer, and the great force of the wind in winter especially; but we do not feel the pressure of the air or the change in pressure which is the immediate cause of the wind. The pressure also varies slightly locally during the day; but unless the conditions are quite normal, these changes can not be detected even with instruments. But when the air pressure differs from place to place, a tempest may be in progress. For example: If the pressure changed only one-tenth of an inch of mercury over a distance of 150 miles, the wind may be anything from 30 to 100 miles an hour, according to the extent of the storm.
