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Aviation and climate! Often it is asked: How does climate affect airplane operations? Studies in climate have several applications in aviation, one of the most important of which is that it aids very materially in selecting an airport site, and in most cases factors of climate are the most important considerations. This is because weather conditions limit the hours of operation. The efficiency of different sites are determined by considering the prevailing wind, its speed and direction, fog, haze, smoke and low clouds in connection with the topography and location to bodies of water. Wind speed and direction are also useful in determining how the hangars should be placed in reference to the points of the compass.
