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The sun and air movement! If it were not for the sun's heat the earth's atmosphere would rest quietly on its surface, simply whirling around with it. There would be no wind, no changing weather, and therefore no seasons. All the atmospheric phenomena with which we are familiar are due entirely to the effect of the sun's heat. Thus the warmed air at the equator rises and flows north, and the cold air at the poles flows south. Since air movement depends upon differences in temperature, it should be least in summer and most in winter. In many places, the present month of August is noted as a quiet month.
