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Weather on the airways! An airplane pilot nowadays plans his flight very carefully. He knows beforehand the detailed weather at all points along the route, not only for all stations on the course but for stations off the course. These reports include temperature, wind direction and speed at the ground and at various altitudes. He can then figure the best altitude at which to fly, his mileage and flying time. He can not start his flight unless released by proper authority, and previous to that he has discussed the weather conditions with the dispatcher and meteorologist. In this discussion not only the present but future weather along the route is considered.