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Ways to Record Performances in Soaring

BY W. JUCKER

After a historical preface about soaring in waves in various countries and especially in Switzerland, possibilities to fly records in altitude and distance are discussed and a conclusion is made based on the experience made in flight practice.

In spring 1950 a flight made by the editor with Mr. S. Maurer as pilot has shown, that the lift of a rotor can be utilized for altitude flights.

Further more, a flight in a Piper Cub is discussed, during which it was possible to fly in a wandering wave. The conclusion of Mr. Jucker's contribution are:

1. by means of flying in slope-, rotor-, and wave lift, gains of altitude of more than 10 000 m will be possible.
2. in wandering waves, mainly above a cold front, flights of a distance of some thousand kilometers, even across the Atlantic should be possible.