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Experiment 3: Kite C flown by main-line attached 75 cm from zero point.

Initial Wind Velocity 541 ft in 30 sec or 12.3 miles per hr.

Obs.	Altitude	Pull.
1st	24°	50 lbs.
2nd	29°	45 lbs.
3rd	30°	60 lbs.
4th	31°	60 lbs.
5th	29°	55 lbs.
6th	28°	50 lbs.
7th	30°	60 lbs.
8th	34°	70 lbs.
9th	31°	60 lbs.
10th	30°	55 lbs.
Summation	10 obs., 296°	575 lbs.
Average	1 29°.6	57.5 lbs.

Final Wind Velocity 613 ft in 30 sec or 13.9 miles per hr.

Field Notes:- Not much difference between kites A, B and C so far as steadiness goes in steady winds, but Kite C seemed to respond more quickly to changes of wind velocity than the others. No regular oscillation, swaying motions greater than A or B, but wind variations were also greater. Before taking observations of altitude and pull the wind lulled, followed by a considerable puff, and kite C made a complete somersault in the air, regaining its equilibrium again and flying well so that we were able to complete our set of observations.

Experiment 4:- Kites A and C were next flown simultaneously, upon similar lines sufficiently far apart to prevent the kites from coming together in the air. In this way it was hoped to test their relative behavior under identical wind-conditions. No observations of altitude or wind velocity were made; but, while observations upon steadiness were being made the Laboratory assistants utilized their time by taking several series of observations of pull in the following order:-