

-4-

After the conclusion of these observations another reading of wind-velocity was taken.

661 ft in 30 sec., or 14.8 miles per hr.

Field Notes:-- Wind puffy. Kite steady when wind was steady, some swaying during lulls or variations of force, but no regular oscillations. Kite could support itself on bow-line. Brought down safely into the hands of the men without touching the ground. Wind seemed about SSW but exact direction uncertain as it was partly reflected from side of mountain as well as blowing directly on testing-field. Fluctuations perhaps caused or helped by interferences between direct and indirect impulses.

Experiment 2:--Kite B flown by main-line attached 75 cm from zero point.

Initial wind-velocity 519 ft in 30 sec or 11.8 miles per hr.

	<u>Obs.</u>	<u>Altitude</u>	<u>Pull.</u>
	1st	27°	60 lbs.
	2nd	20°	30 lbs.
	3rd	25°	60 lbs.
	4th	24°	35 lbs.
	5th	24°	30 lbs.
	6th	23°	60 lbs.
	7th	25°	40 lbs.
	8th	27°	65 lbs.
	9th	26°	50 lbs.
	<u>10th</u>	<u>24°</u>	<u>30 lbs.</u>
Summation	10 obs.	245°	450 lbs.
Average	1	24°.5	45.0 lbs.

Final wind-velocity 688 ft in 30 sec or 15.6 miles per hr.

Field Notes:--Kite B acted much as Kite A did, being steady in steady wind, and moving about in unsteady, but not showing any tendency to regular oscillation. Would not support itself on bow-line, and is evidently a heavier-flying Kite than Kite A.