

Bulletin No. XXIV

EXPERIMENTS WITH VICTOR KITE.

December 8, 1908:— The old Victor kite was flown this afternoon on a line a hundred meters long attached to the center of the front set of cells.

Weight of kite 11 lbs.
 Weight of line $1\frac{1}{2}$ lbs.
 Total weight $12\frac{1}{2}$ lbs.

Exp. 1. The wind was found to be 18.05 miles per hour. The following observations in altitude and pull were taken.

Altitude		Pull	
	51		60
	53		90
	55		80
	60		75
	55		30
	56		40
	60		45
	55		55
	56		60
	44		85
10 Obs.	545	10 Obs.	620
Average	54 ⁵ .5	Average	62.0 lbs.

Efficiency 1.75

Exp. 2. The wind was found to be 15.65 miles per hour. The angular altitude was too great to be measured by the inclinometer, which only registered 60°. To the eye it appeared that the kite flew almost overhead and all we know is that the angle exceeded 60° during most of the flight. The following are observations of altitude and pull.

(see next page)