upon the efficiency of the surfaces of Brome He.6, but unfortunately the kite was amashed before instrumental observations could be secured (see Bulletin XX, pp. 31,33,34).

2

Another kite on the same model, but more crudely comstructed is partly finished, but we have no other Giomos kites of sufficient size to give us valuable indications. We had, however, preserved in the Laboratory as a model the old Victor kite, in which the front and rear cells were of the Giomos type. Indeed, historically, the Giomos kite was developed from the Victor kite.

While this Victor kite has been flown many times in the past, proving as its name implies, victorious over the other kinds of kite with which it was in competition, no instrumental observations have been made.

Unwilling to lose the opportunity of employing a good kite breeze, it was determined to-day to fly this old kite as the nearest approximation to the Olonos type available in the Laboratory. It was a beautiful sight to see the kite flying almost vertically over head. Our inclinemeter was only able to record an inclination of 60°, and the altitude was considerably greater than this. The efficiency (that is the ratio of lift to drift) is more than twice as great as with kite<sup>6</sup> of pure tetrahedral construction: How much greater, it is impossible to ascertain without a more exact knowledge of the angular altitude attained.

It is probable that the efficiency of the Oienes type will prove to be still greater as there is in that form no