



Fig. 9

points are the keel angle points (*fetangaliwül* or simply *fetang*) which are marked by the same process midway between the keel mid-point itself and the keel-cutwater points. At each end of the keel there are seven additional secondary named control points that the canoe builder may choose to utilize during the process of construction. I shall refer to these as points *a* through *g*¹⁶.



SURALÚCHULIFACH MEASUREMENTS

- A-B *lug*
- A-C *metaligumuch*
- A-D *metaligusar*
- A-E *lugulimaripi*

Fig. 10

Fixing the location of these control points introduces a new measuring technique which is used exclusively by canoe builders. This is a hand circumference (*suralúchulifach*) system based on distances from the joint of the thumb/hand to the tips of the second, third, or little fingers (Fig. 10). The first length in this measurement technique – from thumb to middle finger (A—B) – is called Middle (*lug*). This is the length used to fix the position of each of the above

¹⁶ These points are named as follows: a) *fetangúlápúláp*, b) *teowachel*, c) *teowaliguch*, d) *yarúmuligu*, e) *chuel*, f) *yawalípúp*, g) *marar*.