



Fig. 8. *Dorylus (Anomma) molesta*, relationship of head width to numbers of Malpighian tubules.

midgut. Malpighian tubules, whose insertions approximate the beginning of the intestine (proctodeum), are composed of a single layer of cuboidal cells arranged about a small lumen. The nuclei of these cells are distinct in the preparations examined. Gross dissections of *molesta* workers showed the tubules to range in number from 6 to 28. The numbers of tubules are positively correlated with worker size (Fig. 8). Rectal papillae were not evident in the histological preparations, although in gross dissection they are easily identified. The number of papillae in *molesta* is constant at two.

Glands: there are 4 paired glands, not counting the paired poison filaments, and 2 unpaired glands, excluding the convoluted gland of the poison sac. The mandibular, maxillary, labial and metapleural glands are