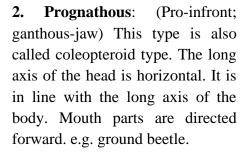


FACULTY OF AGRICULTURAL SCIENCES & ALLIED INDUSTRIES

ENT-121: Fundamentals of Entomology

Lecture 9: Head Orientation:

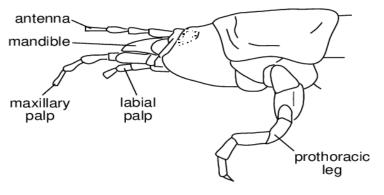
1. Hypognathous: (Hypo-below; gnathous-jaw) This type is called orthopteroid type. The long axis of the head is vertical; it is at right angles to the long axis of the body. Mouth parts are ventrally placed and project downwards. E.g. grasshopper, cockroach.



3. Opisthognathuos: (Opisthobenind; gnathuos-jaw) this is also called hemipteroid type or opisthorhynchous type. Head is deflexed. Mouthparts are directed backwards and held in between the forelegs. E.g. stink bug.

a) hypognathous

b) prognathous



c) opisthorhynchous

