Base: the portion of a segment or sclerite nearest the middle of the body; of the elytra, the cephalic portion; of the pronotum, the caudal portion; the portion of an appendage nearest the body, of the antennal club the proximal portion.

Beak: the rostrum, a prolongation of the head in front of the eyes bearing the mouth parts at

etle-trees: trees which have been killed or are attacked by bark-beetles.

Bifid: deeply emarginate or split.

Bifurcate: forked.
Bisinuate: with two sinuations or broad double curves.

Bristle: a short, stiff hair.

Brood: the progeny of a single pair of adults developing from the same lot of eggs. The same parent female of the first generation may deposit a second lot of eggs later in the season; the individuals developing therefrom will form a second brood of the first generation.

Callosity: a broadly convex or flattened elevation. Callus: a small callosity.

Capitate: applied to an antenna with the distal segments swollen to form a subglobular mass.

Carina: a narrow ridge or keel.

Caudad: the direction from the head towards the posterior end of the hody along the median

Caudal: pertaining to or towards the posterior end of the body.

Cephalad: the direction from the posterior end towards the head along the median line.

Cephalic: pertaining to or towards the head.

Chitin: a horny substance forming the hard portions of the insect's body.

Chitinized: hardened with chitin. Cincreous: ash-gray in colour. Clayate: club-shaped.

Cluh: the distended apical segments of the antenna. Compressed: flattened from side to side.

Confusedly: irregularly; of punctures and pubescence, not in regular rows.

Connate: applied to segments which have fused into a more or less solid mass.

Constricted: suddenly narrowed and more or less dilated on each side the constriction.

Contiguous: touching when in the normal position.

Convergence the development of similar characters in species of separate origin often through the effect of similar habits or enviro. ent. Corneous: resembling horn.

Crenulate: applied to a may in ferming a waver live with small, regular, and rather deep curves.

Cusp: an acute prominence or tooth.

Concavity: a broad impression or excavation, larger than a fovea; e.g., the declivital concavity in the genus Ips, and the fror al concavity in the males of Trypodendron.

Declivitous: sloping rather steeply downwards.

Declivity: a steep slope; the usually steep caudal face of the elytra in ipid beetles; also the steep cephalic face of the pronotum in the *Ipinæ* and *Microcinæ*.

Declivous: sloping gradually downwards. Dehiscent: split or separated along a suture.

Dense: applied to pubescence or punctures very thickly crowded, the margins of the punctures nearly contiguous.

Dentate: toothed

Denticle: a small tooth.
Depressed: flattened vertically, from above and helow.

Disc: the central portion of any outer surface.

Distal: applied to the portion of an appendage or segment farthest from the body.

Distad: the direction away from the body along the middle line of an appendage.

Dors.d: the direction from the venter towards the dorsum, on the meson, at right angles to the

longitudinal axis.

Dorsal: pertaining to the dorsum. Dorsum: the upper surface.

Emarginate: with a notch cut from the margin.

Emargination: a hroad or narrow angular or rounded notch breaking the margin.

Epistoma: the cephalic portion of the front of the head between the eyes and the mouth cavity or the hase of the labrum when the latter is present.

Epistomal Lobe: a flat depressed lobe directed cephalad from the median portion of the epistomal margin.

Epistomal Margin: in ipid beetles, the dorsal margin of the mouth cavity, that is, the cephalic margin of the epistoma.

Epistomal Process: a flattened dorsal prominence with converging or parallel sides arising from the base of the epistoma with its apex reaching towards or to the epistomal margin.

Face: the outer surface of any part. Ferruginous: reddish hrown.