

by less than their own lengths, mostly about half as long as eye length. Fore femora without conspicuous erect hair on inner face. All tibiae with abundant suberect hairs which are about as long as minimum thickness of hind tibia. Scapes with abundant suberect, short hairs on outer and lower faces. Forewing without marginal fringe, hind wing fringed on posterior margin.

Pubescence long, notably dense only on first three gastric tergites, variably fully appressed to subappressed, especially on head.

Integument.—Head moderately shiny, surface micro-reticulate; frontal lobes with close, fine punctures of variable size, round to ovoid, separated by about a puncture diameter; genae more sparsely, coarsely punctate. Center of mesoscutum impunctate, median area laterally with scattered fine punctures, becoming closer and more distinct in lateral thirds and apically; anteriorly, median portion with sparse micropunctures; punctures denser and coarser laterad of parapsides. Punctures of scutellum finer than of adjacent portion of scutum, sparse in middle, denser laterad; mesopleura above minutely roughened between coarse, close punctures, below equally coarsely, more closely punctate; metapleura and propodeum similar to lower half of mesopleura.

Color.—Orange ferruginous, the following brownish: rectangular median mark on anterior half of mesoscutum, broad lateral stripes on posterior four-fifths of mesoscutum, irregular blotch on mesopleura above and irregular blotch on mesepisternum. Apical gastric segments lightly infuscated. Wings whitish hyaline, radial vein and stigma brownish, remainder of veins yellowish.

MALE. Measurements.—HL 0.86-0.90; HW 0.83-0.90; SL 1.03-1.10; EL 0.30-0.33; WL 2.0-2.2; PW 1.16-1.23.

Margins of head distinctly convergent toward mandibular insertions; head as broad as long or slightly longer (CI 96-100), distinctly shorter than scape; SI 119-128. OMD 0.80-0.90 x EL. Anterior ocellus $\frac{2}{3}$ diameter of lateral ocelli; IOD 2.5-3.0 x OD; OOD 2.5-3.0 x OD. Mandible without basal teeth. Clypeus with short transverse depression below middle.

Petiole, in profile, higher than long, narrowed above, crest convex; in frontal view, evenly convex from side to side, except for vague to prominent median notch; in dorsal view about twice as wide as long.

Terminalia: Fig. 3 Cc-e.

Vestiture.—Erect hairs abundant on body, those of scutellum as long as eye diameter, length elsewhere generally shorter but variable. Erect hairs of hind tibiae about as long as thickness of scape. Pubescence sparse on head and thorax, abundant on propodeum and first four tergites. Forewing without marginal fringe, hind wing with fringe on posterior margin only.

Integument.—Moderately shiny, closely coriaceous, with scattered fine piligerous punctures.

Color.—Uniformly blackish, appendages light brownish.

Type material.—Holotype worker, allotype male, 193 worker and two