

***Daceton armigerum* (Latreille)**

(figs. 1, 3, 5, 7, 17–19)

Formica armigera Latreille, 1802: 244, pl. 9, fig. 58. Syntype(?) worker, Brazil (not seen).

Myrmecia cordata Fabricius, 1804: 425. Syntypes, 2 workers, America Meridionali [South America]. (Synonymy by Roger, 1862: 290.) (seen)

Daceton armigerum (Latreille); Perty, 1833: 136 (combination).

Atta(?) armigera (Latreille); Guérin-Méneville, 1844: 421 (combination).

Daceton armigerum (Latreille); F. Smith, 1853: 226 (revived combination).

Worker. Measurements (mm): EL 0.44–0.87, GL 1.89–4.50, HL 1.44–4.06, HW 1.58–4.17, ML 0.79–3.32, PL 0.78–1.93, PPL 0.26–0.51, PSL 0.32–1.59, PW 1.38–4.60, SL 0.94–2.77, TL 6.91–17.8, WL 1.70–4.24. Indexes: CI 102–113, MI 55–88, PI 41–52, PSI 18–39, SI 59–73 (17 measured).

Polymorphic. Head wider than long, heart-shaped. Mandibles linear and elongate, each with an apical fork of two teeth that overlap at full closure, of which the ventral tooth is the largest. Inner (masticatory) margin of mandibles lacking any dentition but with a series of short, thick setae that differ from any other pilosity present on mandibles. Outer margin of mandibles lacking hairs completely or with very short, appressed hairs. Mandibles, in full-face view, somewhat long and narrow $[(MW/ML') \times 100 = 25\text{--}40]$ (fig. 23). Palp formula 5,3. Depressions, adjacent to and ventral to the mandibular insertion, deep. Clypeus without standing hairs. Pronotal humeri with acute tubercles. Lateral pronotal spines bifurcate, the anterior tips larger than the posterior ones. Metanotal groove deeply impressed. Mesosoma glabrous. Petiolar node with an anterior-lateral pair of long spines and a pair of small but sharp tubercles, located underneath the anterior-lateral spines. First gastral tergite finely reticulate and devoid of any erect or semi-erect pilosity, sometimes with very short, appressed hairs. Color of head, mesosoma, and metasoma, usually red-brown to red-yellowish, sometimes dark red-brown or rarely bicolored; petiole, postpetiole, and gaster darker than rest of body.

Range. This species is known to occur in the Terra Firma and flooded forests of Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Peru, Suriname, Trinidad, and Venezuela.

The material examined conforms perfectly to the description given by Latreille (1802: 244). *Daceton armigerum* has been studied extensively by Wheeler & Wheeler (1954, description of larvae), Wilson (1962, ecology and behavior), Blum & Portocarrero (1966, trail pheromone and venom), Hölldobler *et al.* (1990, chemical communication), Moffet & Tobin (1991, physical castes), Groenenberg (1996, mandibular mode of action), and Bolton (1999, 2000, classification).

Material examined. *Myrmecia cordata* Fabricius, Syntypes, 2 workers, labeled: “Essequibo [possibly Guyana], Smidt. Mus. de Sehestedt. Armigerum, Latr. [Latreille] *Myrmecia cordata*, worker, Fabr. [Fabricius].” Deposited in ZMUC.

Bolivia: 8 workers, Beni, Cavinassas, i.1954 (W.M. Mann) [USNM]; 4 workers, Beni, Cavinassas, ii.1954 (W.M. Mann) [USNM]; 3 workers, Beni, Huachi, ix.1954 (W.M. Mann) [USNM]; 5 workers, Beni, Rurrenabaque, x.1954 (W.M. Mann) [USNM]; 18 workers, Rosario, Mulford Biological Station, (L. Rocagua) xi.1921–1922, (W.M. Mann) [USNM]. **Brazil:** 55 workers, Amazonas, Hwy ZF 2, Km 19, ca 60 Km N. Manaus, 02°30'S 60°15'W, 17.viii.1979, Terra Firma (T.L. Erwin *et al.*) [USNM]; 2 workers, Amazonas, Rio Taruma Mirim, 20 Km NW Manaus, 02°53'S 60°07'W, 2.iii.1979 (T.L. Erwin *et al.*) [USNM]; 1 worker, Amazonas, Rio Taruma Mirim, 2 Km from Rio Negro, 03°02'S 06°17'W, 29.vii.1979, Igapo black water inundation, forest canopy (T.L. Erwin *et al.*) [USNM]; 9 workers, Amazonas, Itacoatiara (Mann and Baker); 1 workers, Manaus, Reserva Ducke, 9.vi.1971, rainforest, (W.L. and D.E. Brown) [MCZC]; 4 workers, Pará, vii.1962, B-253 (W.L. Brown) [USNM]; 8 workers, Para, (W.M. Mann) [USNM]; 2 workers, Mato Grosso, Tangará da Serra, 30.v.2003 (P.R. Marla) [CPDC]. **Colombia:** 1 worker, Guaviare, R. Nukak, Cr. Moyano, Caño Cucuy. Ban 02°10'35"N 71°10'58"W, ii.1996, elev. 250 m, exc. humano (F. Escobar) [IAvH]; 4 workers, Meta, PNN Sierra de la Macarena, Cabaña Cerrillo, 3°21'N 73°56'W, 21.xii.2002 to 4.i.2003, elev.460 m,