

- b. First gastric tergite covered with appressed pubescence and sometimes with sparse long hairs. (fig. 5, 6)..... *crassicornis* Emery
- 4a. Large species, total length over 6 mm; head heavily sculptured; scapes very thick and bent at base. The scapes seen in full face view are evenly curved mesally, but more angular laterally (fig. 7, 8).... *fallax obscurithorax* Santschi
- b. Species usually measuring 5 mm or less; if larger the head never heavily sculptured; the scapes never thick or strongly bent at base..... 5
- 5a. Head cordate, gradually but distinctly narrowed toward the mandibular insertions; broadest at the occipital lobes; mesonotum but not transversely impressed. (fig. 9)..... *megacephala* (Fabricius)
- b. Head not cordate and never strongly narrowed towards the mandibular insertions; mesonotum may or may not be transversely impressed..... 6
- 6a. Postpetiole, seen from above, bearing distinct lateral connules; head covered with reticulate punctation or longitudinally striate. (fig. 10, 11)..... 7
- b. Postpetiole seen from above, without distinct lateral connules; if indistinct lateral projections present the posterior half of the head smooth and shining. (fig. 12)..... 11
- 7a. Occipital lobes with reticulate sculpture, with no trace of transverse or longitudinal striation, the surface opaque or feebly shining; post-petiole width two times length. (fig. 13)..... *dentigula* M. R. Smith
- b. Occipital lobes smooth and shining or with sparse punctures or striae; postpetiole width greater than length, but never two times length. (fig. 10, 11)..... 8
- 8a. Sides of head sub-parallel, narrowing slightly anteriorly; head length 1.82 to 2.0 mm; scape index 41 to 42; pronotum and mesonotum strongly sculptured with transverse and sometimes with longitudinal rugae; dorsal crest of petiole notched. (fig. 14)..... *carrolli* n. sp.
- b. Without all the above characters..... 9
- 9a. Erect gastric hairs sparse, tapered and almost all of the same size; posterior part of the head covered with sculpture; anterior ventral margin of the head without teeth; body sometimes with distinct violaceous or bluish metallic reflections. (fig. 15, 16)..... *metallesens*
- b. Gaster covered with long and short hairs; posterior part of the head smooth and shining (fig. 17); anterior ventral margin of the head with two or three teeth, the mesal tooth usually short and blunt. (fig. 30)..... 10
- 10a. Dorsal surface of first gastric tergite finely and densely granulate, opalescent and opaque; dorsal areas of pronotum punctate and sometimes with several short and fine transverse striae; dorsal area of post-petiole punctate. (fig. 17, 18)..... *anastasii* Emery
- b. Dorsal surface of first gastric tergite smooth and shining; dorsum of pronotum partially weakly punctate but also interdispersed with smooth and shining areas; dorsal area of post-petiole weakly punctate and shining. (fig. 10, 19)..... *floridana* Emery
- 11a. Head covered with longitudinal striae; the dorsal area of the pronotum and usually the mesothorax reticulo-punctate and with transverse striae or sculpture. (fig. 20)..... 12
- b. Posterior areas of the head smooth and shining; the pronotum, seen from above, smooth and very shining.... 14
- 12a. Head usually measuring over 1.4 mm in length and 1.1 mm in width; sides of the head sub-parallel; scape length shorter than half the head length (Scape Index around 40); occipital lobes with distinct circular piligerous punctures. (fig. 12, 20)..... *littoralis* Cole
- b. Head measuring less than .9 mm in length and width; occipital lobes smooth and shining..... 13
- 13a. Frontal area concave and bearing 1 or 2 longitudinal striae. Scrobes strongly punctate and opaque; occipital lobes smooth and weakly shining; on occiput intersitial spaces between striae reticulo-punctate. (fig. 21).... *greggi* n. sp.
- b. Frontal area concave, without longitudinal striae; posterior half of the scrobe weakly punctate and shining; occipital lobes and most of the head shining; on front, intersitial spaces between striae smooth and shining. (fig. 22)..... *moerens* Wheeler
- 14a. Anterior clypeal margin bluntly bidentate, with deep median notch; anterior ventral margin of head without teeth. (fig. 23)..... *vinelandica* Forel
- b. Anterior clypeal margin not bidentate and without notch; anterior ventral margin of the head usually with two or three teeth; if teeth are absent, shining black species... 15
- 15a. Mesonotum without transverse impression, forming in profile a continuous smooth curve with the pronotum. (fig. 26)..... 16
- b. Mesonotum, with a well developed transverse impression... 17
- 16a. A yellow species; frontal area and middle of front smooth and shining without striae; anterior ventral margin with 3 teeth; thorax smooth and shining..... *tysoni* Forel
- b. A black species; anterior half of head with longitudinal striae; dorsum of pronotum smooth and shining; pleurae of pronotum, mesonotum, and propodeum heavily sculptured. (fig. 25, 26)..... *adrianoi* n. sp.
- 17a. Propodeum angular at the junction of the basal and declivous faces, but the angles not produced into distinct teeth or spines. (fig. 27, 28)..... *morrisi* Forel
- b. Propodeum armed with distinct teeth or spines. (fig. 29)..... *dentata* Mayr

KEY TO PHEIDOLE SPECIES OF FLORIDA (WORKERS ONLY)

- 1a. Entire head smooth and shining. (fig. 31, 36)..... 2
- b. Head reticulo-punctate or partially reticulate with some smooth areas. (fig. 40, 41, 44)..... 9
- 2a. Scapes failing to reach the posterior border of the head, or surpassing it by an amount no greater than the first funicular joint. (fig. 31)..... 3
- b. Scapes surpassing the posterior border of the head by an amount greater than the first funicular joint. (fig. 34).... 6
- 3a. Thorax smooth, nearly free of sculpture and strongly shining; yellow..... 4
- b. Pronotum smooth and shining; mesonotum and propodeum punctate or sculptured; color various (fig. 32, 33)..... 5
- 4a. Propodeum armed with angular teeth which are broad at the base and do not resemble spines; mesonotum and propodeum in profile separated by a deep, wide impression. (fig. 31)..... *lamia* Wheeler