

## KEYS TO THE MALES

- 1 Long curved antennal scapes more than half as long as funiculus; epinota unarmed or with blunt tubercles . . . . . 2
- Short or angulate scapes half or less the length of funiculus; epinota sharply tuberculate or toothed . . . . . 4
- 2 Scape abruptly curved near base; frontal area and petiole striated  
*sulcinodis* Nylander
- Scape evenly curved; frontal area smooth, petiole not striated . . . . . 3
- 3 Posterior tibiae and tarsi with long semi-erect hairs; hairs project over upper surface of first femur; antennal segments 4, 5 and 6 scarcely longer than broad; thorax shining black . . . . . *rubra* Linnaeus
- Posterior tibiae and tarsi with short semi-decumbent hairs; upper surface of first femur bare; thorax brownish; antennal segments clearly elongate . . . . . *ruginodis* Nylander
- 4 Scape longer than following 5 antennal segments, distinctly angled near base; pale limb and body articulations contrast with dark body colour . . . . . *lobicornis* Nylander
- Scape shorter than following 5 antennal segments, more or less bent; colour less contrasted . . . . . 5
- 5 Scape as long as first 4-5 following segments; upper surface of first femur bare . . . . . *sabuleti* Meinert
- Scape nearly as long as first 3 following segments; upper surface of femur hairy . . . . . 6
- 6 Scape thick with long hairs exceeding width; third antennal segment scarcely twice as long as broad; body and legs thickly clothed in long hairs; head not impressed in front of median ocellus  
*scabrinodis* Nylander
- Scape slender with hairs not exceeding width; third antennal segment more than twice as long as broad; body and legs with short hairs; head impressed in front of median ocellus . . . . . *schencki* Emery

## KEYS TO QUEENS AND WORKERS

- 1 Antennal scapes simply curved, not dilated at bend . . . . . 2
- Antennal scapes angled near base, ridged or dilated at bend . . . . . 4
- 2 Scapes abruptly curved near base; frontal area striate; thorax and petiole strongly sulcate; spines convergent . . . . . *sulcinodis* Nylander
- Scape gently curved; frontal area shining; petiole smooth or rugose; worker spines divergent . . . . . 3
- 3 Petiole in profile curved or peaked and rounded behind; spines short, space between smooth or very faintly striate; epinotum above usually with transverse striae; postpetiole shining . . . . . *rubra* Linnaeus
- Petiole in profile truncate and angled behind; spines long and coarse, space between with strong transverse striae (exceptionally absent); epinotum above with rest of thorax longitudinally rugose; postpetiole rugose . . . . . *ruginodis* Nylander
- 4 Scape with transverse ridge at bend appearing as tooth in profile . . . . . 5
- Scape simple, angled or with flattened extension at bend . . . . . 6
- 5 Postpetiole higher than wide in profile; workers with deep meso-epitonal furrow; frons more than quarter head width (F.I. 29.9, range 26-33); scape shorter (S.I. 87.8), ridge at bend appears as fine tooth in profile; smaller dusky species . . . . . *lobicornis* Nylander