

Key to the African species of the genus *Mecomma*

## Males

1. Large species, length 5 mm. Base of vertex distinctly carinate. Genitalia as in Fig. 39e–i ..... *grandis*
- Smaller species. Base of vertex finely keeled ..... 2
2. 1st antennal joint black ..... 3
- 1st antennal joint pale ..... 6
3. Femora bright red, tibiae also reddish. Pronotum remarkably narrow (Fig. 38d) ..... *angusticollis*
- Legs yellow-brown. Pronotum much broader ..... 4
4. Cuneus pale. Longer sclerified vesical appendage simple ..... *rectangulus*
- Apex and inner margin of cuneus dark brown. Longer sclerified vesical appendage with subapical process 5
5. Length 3.5 mm. Vesical appendages as in Fig. 34o–r. .... *fumida*
- Length 4.5 mm. Vesical appendages as in Fig. 39s .... *juno*
6. 3rd antennal joint black, 2nd 1.7 × as long as basal width of pronotum ..... *khrysothemis*
- Base of 3rd antennal joint whitish, 2nd joint 1.42 × as long as basal width of pronotum ..... *ruficeps*

## Females

1. Elytra ± horizontal with pale pattern and distinctive membrane rudiments ..... 2
- Elytra convex, black, without membrane rudiments .4
2. Elytra with 3 longitudinal testaceous bands ..... *ruwenzoriense*
- Elytra with different pattern ..... 3
3. Antennae black. Head narrower than pronotum. Pronotum broad with shallowly insinuated lateral margins ..... *grandis*
- Antennae bicolored with 2nd joint totally or partially pale. Head broader than pronotum. Pronotum narrow with distinctly insinuated lateral margins ..... *juno*
4. Femora and base of tibiae black ..... *kharon*
- Legs uniformly pale ..... 5
5. Head red ..... *ruficeps*
- Head black ..... 6
6. Pronotum narrow with distinctly insinuated lateral margins. 1st and 2nd antennal joints incrassate. Elytra densely and distinctly rugosely punctate ..... *khrysothemis*
- Pronotum much broader. Antennae gracile. Microsculpturing of elytra faint ..... *fumida*

*Mecomma khrysothemis* sp. n.

Figs. 34–37, 39

Material: Nigeria: SE St., Obudu cattle ranch, ♂ holotype and many paratypes, 16–18.VIII.1973; NE St., Gembu, many paratypes, 21–22.VIII.1973, Gembu-Yelwa, 1 paratype, 22.VIII.1973, Linnavuori, in coll. Linnavuori.

Length ♂ 4.0–4.25 mm, ♀ 3.0–3.25 mm. ♂: Moderately shiny. Black. Vertex with small pale

spot close to each eye; eyes reddish brown. Antennae black, 1st joint yellowish. Elytra yellow-brown or greenish, clavus, save extreme base, and inner apical part of mesocorium dark brown; membrane brownish smoky, veins brown. Under surface black. Legs yellow-brown, 3rd tarsomeres dark. ♀: Very shiny. Black. Eyes reddish brown. Vertex with pale spot close to each eye. 1st antennal joint and basal half of 2nd yellow-brown, apical part of 2nd joint black, other joints dark brown, base of 3rd whitish. Elytra uniformly black, apical margins sometimes a little paler. Under surface black. Legs yellow-brown, base of hind femur sometimes embrowned, 3rd tarsomeres dark.

Male: Body gracile, about 4 × as long as broad (measured at elytra). Hair covering long, yellowish. Head 0.75–0.81 × as broad as basal width of pronotum; vertex slightly concave with faint median furrow, basal margin bluntly declining ventrad; ocular index 1.07–1.16. Proportions between antennal segments 23:100:75:30, 2nd joint about 1.7 × as long as basal width of pronotum. Rostrum extending to hind coxae. Pronotum about 1.7 × as broad as long in middle, lateral margins shallowly insinuated, disk finely rugose. Cuneus about 2.4 × as long as broad. — Female: Elongately pear-shaped, body about 2.3 × as long as broad (measured at broadest point of elytra). Hair covering long, brownish. Head slightly broader than basal width of pronotum; vertex shallowly concave with faint median sulcus, basal margin bluntly keeled; ocular index 1.29–1.34. Proportions between antennal joints 20:80:55:32, 2nd joint slightly broadening apicad, about 1.34 × as long as basal width of pronotum. Rostrum extending to hind coxae. Pronotum about 1.45 × as broad as long in middle, lateral margins distinctly insinuated, anterior lobe relatively globose and smooth, basal lobe flattish and rugose. Scutellum transversely rugose. Elytra extending to base of 6th tergite, about twice as long as broad, moderately expanding apicad, convex, densely and distinctly rugosely punctate, costal margin very narrow, apical margin obliquely roundedly truncate, no membrane rudiments. Dorsum of abdomen very shiny, smooth. Visible part of abdomen elongately conical.

Male genitalia in Figs. 34d–r, 36a–b. Apex of right style with transverse row of several teeth.