

***A. arabica* Linnavuori**

Fig. 3g–o

*Atomophora arabica* Linnavuori 1962:69–70, 1986:158.

Type studied: Saudi Arabia, El Riyadh, male holotype, 5–19.IV.1959, Diehl, in coll. Linnavuori.

Material studied: Numerous exx from Iraq: Diyala, Wadi Mandali, 29.IX.1979; Salah ad Din, Tharthar lake, 13.IX.1979; Karbala, Ukhaydir-Nukhayb, 2.V.1980; An Najaf, Najaf-Shabakah, 23.VI.1981; Dhi Qar, 50 km SE of Nasiriyah, 14.IV.1980; Al Basrah, near Safwan, 13.IV.1980, Linnavuori. Saudi Arabia: Jubbah, 20–21.XI.1977; Hamatiyat, 27.IV.1978; Al Hasa, X.1977; Hufuf, 23.IV–13.V.1978; An Nu'ayriyah, 26.IV.1978; As Sirar, 28.IV.1978; 50 km N of Urayrah, 12.IV.1978, Linnavuori, in coll. Linnavuori.

Diagnosis: Like *A. pentheus*, but pronotum pale ochraceous with fuscous irroration. Apex of scutellum irrorated with brown. Tibiae with small dark spots. Eyes small, ocular index 1.11–1.33 (♂), 2.05 (♀).

Length 2.70–3.25 mm. Ground color pale grayish ochraceous with dilute chocolate fuscous irrorations. Head with fuscous and sanguineous irroration, save in median line and basal margin, the latter with 4 sanguineous spots; eyes dark brown. Antennae pale yellowish, 1st joint with sanguineous subapical ring, joints 3 and 4 slightly infusate. Anterior two-thirds and sides of pronotum with dense fuscous irroration, basal angles and middle of basal part sparsely irrorate, pale median line obscure. Scutellum with minute reddish brown irroration. Elytra with dense red and fuscous irroration, inner basal angle of corium with a major irregular dark fuscous spot, cuneus pale with faint orangish irroration; membrane smoky with whitish mottling. Under surface with conspicuous sanguineous markings. Legs pale yellowish ochraceous, hind femora fuscous, tibiae (Fig. 3i) with small inconspicuous dark dots.

Body 2.7 × as long as broad. Eyes relatively small, ocular index 1.11–1.33 (♂), about 2.05 in ♀. Antennae (Fig. 3h) slender, proportions between joints 12:52:35:20 (♂), 12:51:31:20 (♀), 2nd joint 1.11–1.18 × as long as diatone.

Male genitalia in Fig. 3k–o.

Biology: In Iraq found on *Calligonum como-sum*. In Saudi Arabia common at lamps in *Rhanterium epapposum* steppes.

Distribution: Known from Iraq and Saudi Arabia.

***A. macrophthalma* Poppius**

Fig. 3a–f

*Atomophora macrophthalma* Poppius 1909:234, Linnavuori 1986:157.

Types studied: As pointed out in Linnavuori (1971:4), the holotype of *macrophthalmus* has undoubtedly been lost. To fix the nomenclature a male from Saudi Arabia, Layla, 30.VI.1978, Linnavuori, in coll. Linnavuori is here designated as the neotype.

Material studied: Saudi Arabia: 240 km S of Dawasir, 1 ex, 4–5.II.1978; Najran, 1 ex, 6–10.II.1978; Najran-As Sharawrah, 2 exx, 8–9.II.1978; Al Ayun, 1 ex, 18.VI.1978; Al Uqayr, 1 ex, 12.V.1978, Linnavuori, in coll. Linnavuori.

Diagnosis: Like *A. arabica*, but tibiae with large dark spots. Eyes larger, ocular index <1.0 (♂), <2.6 (♀).

Like the preceding species, but eyes much larger, especially in ♂, ocular index 0.80–0.98 (♂), 1.8 (♀), body somewhat shorter and broader, 2nd antennal segment shorter and broader (proportions between joints 12:54:35:22 (♂), 2nd joint 0.90–1.19 × as long as diatone), and tibiae with conspicuous dark spots.

Male genitalia as in the preceding species. Vesica in Fig. 3e–f.

Distribution: Originally described from Bou Harmes in the Sahara.

***A. nut* Linnavuori**

Figs. 1b, 2a–b, 4b

*Atomophora nut* Linnavuori 1971:7–8.

Types studied: Algeria, Ain Sefra, male holotype and 3 paratypes, 5–6.V.1964, Eckerlein, in coll. Linnavuori; Iran, Baluchistan, Inranshar, 800 m, 2 paratypes, 11–18.III.1954, Richter & Schäuuffele, in Mus. Stuttgart.

Material studied: Israel: Timna, 1 ex, 27.III.1987, Carapezza, in coll. Carapezza. Saudi Arabia: Abqaiq, several exx, 9.III.1978; near Abu Hadriyah, 2 exx, 26.I.1978; 75 km E of Zarqani, 1 ex, 24.III.1978, Linnavuori, in coll. Linnavuori.

Diagnosis: Like *A. pantherina*, but body broader, 2.5 × as long as broad. Dark spots on elytra smaller, only extreme tip of cuneus pale.

Length 3.5–3.75 mm. Head, pronotum and scutellum blackish or dark brown. Head with irregular pale ochraceous or reddish midline, broadest at base of vertex; eyes brown. Antennae yellow-brown, 1st joint dark brown or blackish, base