

A NEW IRAQI SPECIES OF *SYSTOLE* WALKER  
(HYMENOPTERA, EURYTOMIDAE)

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ABSTRACT

*Systole merawensis* sp. n. from Iraq, is described, figured, and differentiated from other species of the genus *Systole*.

*Systole merawensis* sp. n.

Predominantly black. Head, thorax and gaster black; antennae and mandibles dark brown, annellus, pedicel apically and scape basally yellow; femora apically, fore tibiae entirely, mid and hind tibiae basally and apically and tarsi yellow; wings hyaline with surface hairs white, submarginal vein brown, marginal, postmarginal and stigmal veins yellow.

Female—Length 1.70—3.35 mm. Head in frontal view transverse, about 1.2 times as wide as long, almost as wide as mesoscutum, with reticulate alutaceous surface sculpture; vertex less domed between eyes, height of vertex above level of eyes to height of eye about as 1 : 7. Head from above twice as wide as long; POL : OOL as 6 : 2, antennal scrobes somewhat wide and shallowly excavated; frons gibbous between eyes. Malar space slightly more than half height of eye; eyes twice as long as wide. Antennae inserted dorsal to level of ventral margins of eyes; scape not reaching median ocellus, expanded medially, about 5 times as long as maximum width, nearly as long as three following funicle segments; pedicel pear-shaped, 1.6 times as long as wide; first funicle segment (Fig. 1) nearly three times as long as basal width; following four segments subequal, quadrate; club long, approximately twice as long as wide and shorter than three preceding funicle segments; club and funicle clothed with short hairs.

## A new species of *Systole*

Thorax short, about 1.3 times as long as wide, with irregular reticulate alutaceous surface sculpture; pronotum more than twice as wide as long; mesoscutum distinctly longer than pronotum; scutellum nearly as wide as long and as long as mesoscutum, produced posteriorly. Propodeum vertical, 1.6 times as wide as long, irregularly ridged giving rough surface sculptured. Fore wing (Fig. 2) with marginal vein short and distinctly shorter than stigmal vein; postmarginal vein as long as stigmal vein.

Gaster long, distinctly longer than thorax and head combined; petiole short, transverse, twice as broad as long and distinctly shorter than hind coxa; first gastral tergite distinctly longer than second and third tergites combined; second and third tergites subequal; fourth tergite usually as long as second and third combined; fifth tergite shorter than fourth; sixth tergite as long as or slightly longer than fifth; seventh tergite somewhat strongly directed upward and longer than sixth; fourth-seventh tergite with alutaceous surface sculpture; fifth-seventh tergite with long hairs; ovipositor sheaths shorter than seventh tergite, strongly turning upward.

Male - As female, but usually smaller, length : 1.6—2.3 mm.; colour darker; antennae longer; scape dark brown, compressed laterally and dilated ventrally; pedicel globular; funicle segments elongated; first and second funicle segments with short peduncles; first funicle segment twice as long as wide and twice as long as pedicel; second segment distinctly shorter than first and nearly twice as long as wide; third segment slightly shorter than second and 1.6 times as long as wide; fourth segment nearly as long as third and 1.2 times as long as wide; club 2.7 times as long as maximum width, as long as two preceding segments. Gaster small, slightly longer than thorax; petiole approximately as long as wide and sometimes longer, shorter than hind coxa.

Host : All the specimens have been reared by me from seeds of *Prangos pumila* Boiss. (Umbelliferae) in Iraq.

Material examined : Iraq : Arbil, Merawa, 10FF, 3MM (paratypes) emerged on 29.v. 1979, 12FF, 5MM (paratypes) em. 3.iii. 1983, 6FF (IF holotype and 5FF paratypes) em. 8.iii. 1983, 3MM (IM allotype and 2MM paratypes) em. 10.iii. 1983, 20FF, 7MM (paratypes) em. 14.iii. 1983, 15FF, 6MM (paratypes) em. 15.iii. 1983, 12FF, 4MM (paratypes) em. 17.iii. 1983, M.S. Abdul-Rassoul

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The female holotype, the male allotype and 10 paratypes (6FF+4MM) are deposited in the Hungarian Natural History Museum, Budapest, Ten paratypes (6FF+4MM) are in the British Museum (Natural History), London, and 82 paratypes (63FF+19MM) in Iraq Natural History Museum, Baghdad, Iraq.

*Systole merawensis* sp. n. differs from all the species of *Systole* known to me by the following combination of characters; Large body; long gaster; gibbous between eyes; propodeum declivous; wings with discal cilia white; female antennae with long funicle segments and long club; ovipositor distinctly turning upward.

LITERATURE CITED

Abdul-Rassoul, M. S. 1980. New Species of *Systole* Walker from Iraq (Hymenoptera, Eurytomidae). *Ann. Hist. - nat. Mus. Nat. Hung.*, 72: 275—279.

Claridge, M. F. 1959. Notes on the genus *Systole* Walker, including a previously undescribed species (Hym., Eurytomidae). *Ent. Month. Mag.*, 95 : 38—43.

Erdos, J. 1951. Revisio generis *Systole* Walk. cum speciebus palaearticis. *Fol. Ent. Hung.*, (ser. nova) 4 : 157—168.

.....1952. Observationes systematicae supra familiam Eurytomidarum. *Fol. Ent. Hung.*, (ser. nova), 5 : 109—128.

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*Systole* Walker نوع عراقي جديد من الجنس

( غشائية الأجنحة )

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### الخلاصة

وصف نوع جديد *Systole merawensis* من العراق ومميزاً عن

الانواع الاخرى في الجنس *Systole*

M.S. Abdul--Rassoul

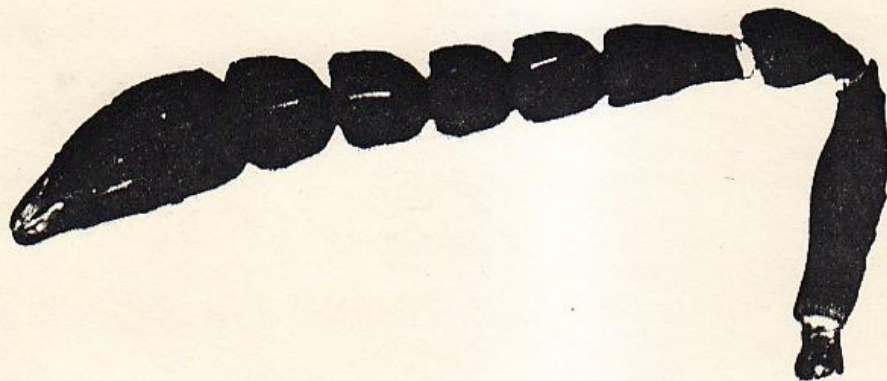


Fig. 1. Antenna in lateral view of Systole merawensis sp. n.



Fig. 2. Fore wing of Systole merawensis sp. n.

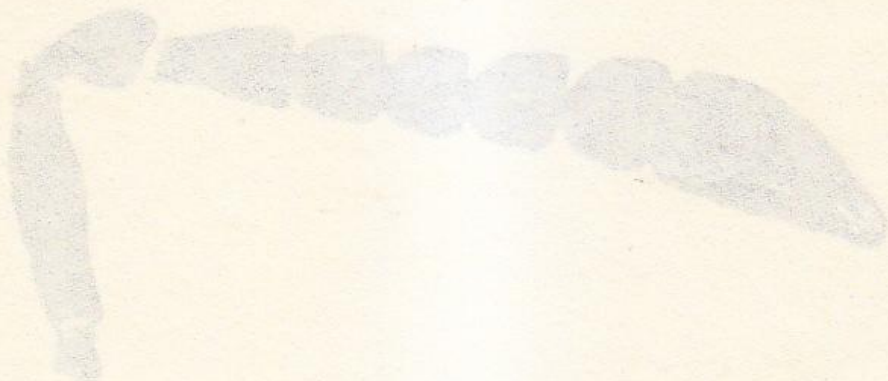


Fig. 1. Antenna in lateral view of *Hydrophilus scudderii* sp. n.



Fig. 2. Antenna in lateral view of *Hydrophilus scudderii* sp. n.