

***Heterocordylus heissi* n.sp. and new records of Heteroptera from Crete**

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ABSTRACT The author describes and figures a new species of Miridae collected in Crete, *Heterocordylus heissi* n.sp. It belongs to the *genistae*-group of the genus and can be distinguished from the other species by the small size and by the shape of the parameres. In addition, the following species of Heteroptera are recorded for the first time from the island of Crete: *Orius pallidicornis* (Reuter), *Megacoelum angustum* E.Wagner, *Tuponia simplex* E.Wagner, *Isometopus intrusus* (Herrich-Schaeffer), *Tingis angustata* (Herrich Schaeffer), *Gampsocoris punctipes punctipes* (Germar).

IZVLEČEK *HETEROCORDYLUS HEISSI* N.SP. IN NOVE NAJDBE STENIC (HETEROPTERA) S KRETE - Avtor opisuje novo vrsto miride s Krete *Heterocordylus heissi* n.sp. Ta spada v skupino *genistae* tega rodu in se razlikuje od drugih vrst po manjši velikosti in po obliki paramerov. Poleg tega je avtor na novo ugotovil na Kreti prisotnost naslednjih vrst: *Orius pallidicornis* (Reuter), *Megacoelum angustum* E.Wagner, *Tuponia simplex* E.Wagner, *Isometopus intrusus* (Herrich-Schaeffer), *Tingis angustata* (Herrich Schaeffer), *Gampsocoris punctipes punctipes* (Germar).

In July 1982 I visited the island of Crete and collected there rich Heteroptera material. Some results of the study of that material have already been published in CARAPEZZA 1984. In this second contribution I describe a new species of *Heterocordylus* (Miridae, Orthotylinae) and list six species which are new records for the island.

1. *Heterocordylus (Heterocordylus) heissi* n. sp.

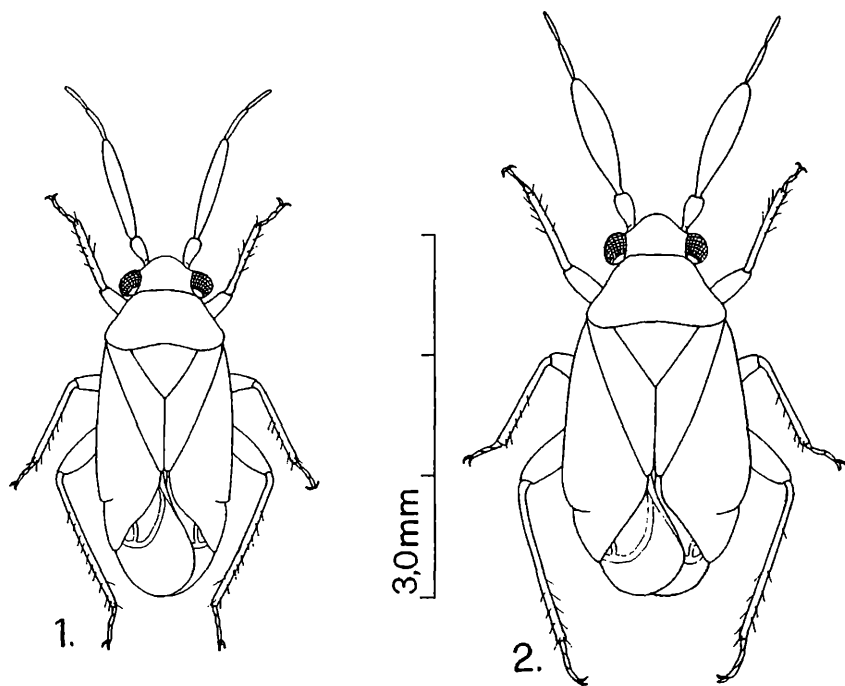
Description. Entirely black with the exception of the membrane, which is fuscous. The whole body is covered with a dense pubescence of fine recumbent hairs and white scale-like hairs, present on both upper and under surfaces with the exception of third and fourth antennal segments, tibiae, tarsi and rostrum. The body (Figs. 1-2) is oval-elongate in ♂ (ratio

length/width = 2.5) and broader, ovate in ♀ (ratio length/width = 2.0). The length is 3.1 mm in ♂, 3.5–3.6 mm in ♀. Head with ratio of vertex to eyes equal to 2.2 in ♂ and to 2.6–2.9 in ♀; second antennal segment of female thickened. Length of antennal segments: 0.29; 1.00; 0.33; 0.32 mm (♂) and 0.32; 1.14–1.20; 0.40–0.41; 0.32–0.33 mm (♀). The ratio of the second antennal segment to the third and fourth together is 1.54 in ♂ and 1.60 in ♀. Rostrum reaching to second coxae.

The basal width of the pronotum is 1.1 mm and 2.3 x wider than its length in ♂ and 1.4–1.5 mm and 2.1 x wider than its length in ♀. The legs are entirely black; the second tarsal segment is as long as the third and little longer than the first (I : II : III = 0.11 : 0.14 : 0.14).

Genital segment broad and triangular; parameres as shown in Figs. 6 l and 6 r.

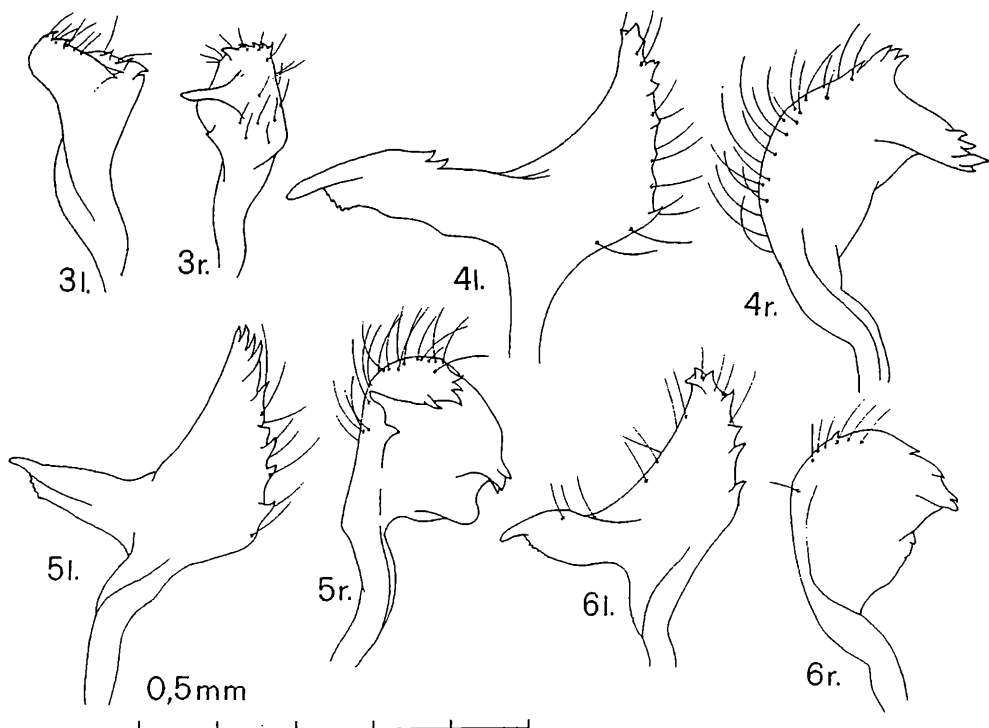
Material. Holotype ♂, allotype ♀ and 1 paratype ♀ were collected in Crete, Omalos, m. 1100, 20. VII. 82 on *Genista* sp. All the specimens are preserved in the author's collection.



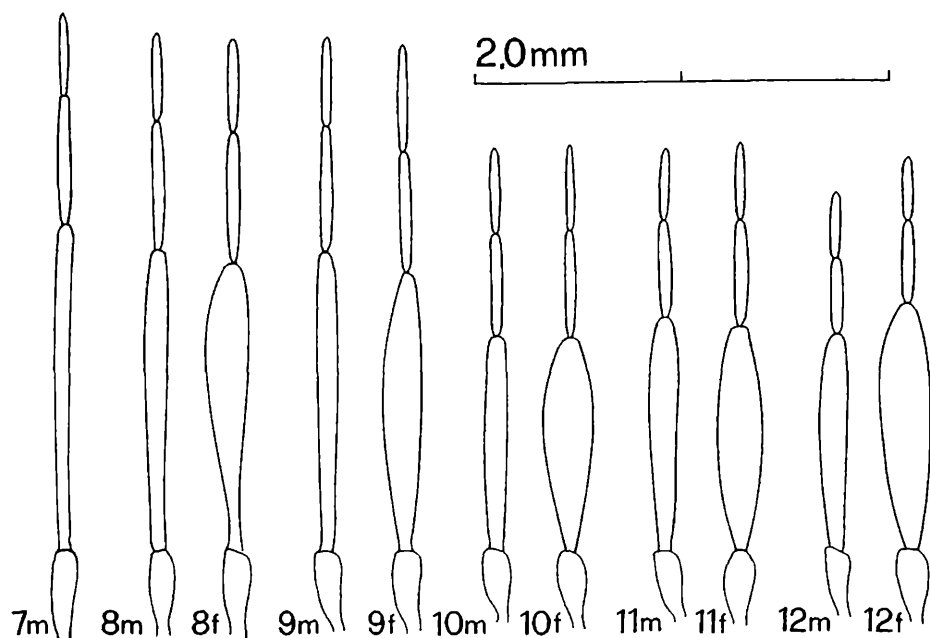
Figs. 1 - 2. *Heterocordylus heissi* n. sp. 1. Holotype ♂. 2. Female.

Derivatio nominis. The new species is dedicated to Ernst Heiss in recognition of his fundamental contributions to the knowledge of the Heteroptera of Crete.

Discussion. The new species belongs to the *genistae* group of the genus *Heterocordylus*, which is characterized by entirely black tibiae. It previously included the following five species: *leptocerus* (Kirschbaum); *genistae* (Scopoli); *cytisi* Josifov; *farinosus* Horvath; *parvulus* Reuter. *H. heissi* is easily distinguished from the first three species which are much bigger, their length being at least 4.0 mm. The new species is externally similar to *H. parvulus*, but the parameres are differently shaped, as is evident by comparing Figs. 3 and 6. Finally, *H. heissi* can be distinguished from *H. farinosus* by the different ratios of the second antennal segment to the third and fourth together, which is 1.54 (σ) and 1.60 (φ) in the new species, 1.12 (σ) and 1.14 (φ) in the latter, as shown in Figs. 10 and 12.



Figs. 3. 6. Parameres of *Heterocordylus* spp. (l = left; r = right). 3. *H. parvulus*. 4. *H. genistae*. 5. *H. farinosus*. 6. *H. heissi*.



Figs. 7. 12. Antennae of *Heterocordylus* spp. (m=♂, f=♀). 7. *H. leptocerus*. 8. *H. cytisi*. 9. *H. genistae*. 10. *H. farinosus*. 11. *H. parvulus*. 12. *H. heissi*.

2. List of new records

Fam. Anthocoridae

Orius pallidicornis (Reuter) 2 ♂♂, 2 ♀♀, Rethimnon, 19. VII. 82.
Holomediterranean.

Fam. Miridae

Megacoelum angustum E. Wagner 1 ♀, Vukolies, 19. VII. 82, on *Quercus coccifera*. Previously known only from Cyprus.

Tuponia simplex E. Wagner 3 ♂♂, 1 ♀, Rethimnon, 19. VII. 82, on *Tamarix* sp. This species also had been collected only in Cyprus.

Fam. Isometopidae

Isometopus intrusus (Herrich-Schäffer) 2 ♂♂, Katharon, 22. VII. 82, on *Quercus coccifera*. Euromediterranean species.

Fam. Tingidae

Tingis angustata (Herrich-Schäffer) 1 ♀, Omalos, m. 1100, 20. VII. 82.
Euroiranian.

Fam. Berytidae

Gampsocoris punctipes punctipes (Germar) 6 ♂♂, 4 ♀♀, Lakki, 20. VII. 82.
Euromediterranean.

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References:

- CARAPEZZA, A., 1984. Miridi nuovi o poco noti di Grecia e Creta (Heteroptera). Boll. Soc. Ent. ital., 116 (1-3): 5-9.
JOSIFOV, M., 1986. Verzeichnis der von der Balkanhalbinsel bekannten Heteropterenarten (Insecta, Heteroptera) Faun. Abh. Mus. Tierk. Dresden, 14 (6): 61-93.
WAGNER, E., 1973. Die Miridae Hahn, 1831, des Mittelmeerraumes und der Makaronesischen Inseln. Teil 2. Ent. Abh. Mus. Tierk., Dresden, Suppl. Bd. 39.

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Zoologisch-Botanische Datenbank/Zoological-Botanical Database

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