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A NEW SPECIES OF ORTHOTYLUS FIEBER FROM IRAQ
(Heteroptera Miridae Orthotylinae)

The following description of a new species of Orthotylus is based on a small collection of mirids submitted for identification by Dr.H. Robersts, F.A.O. Forest Entomology Expert working in Iraq. The data-sheet accompanying the collection indicates that the host of the new species is Quercus aegilops, one of three species of oaks that seems to attract more insects than the other two, Q. libani and Q. infectoria (vide Ghauri, 'A new genus & species of Coelidiinae (Homoptera: Cicadellioidea) in press).

Genus Orthotylus Fieber
Fieber, 1858, 315. Type species, Cimex nassatus Fabricius, 1787, 304, fixed by Kirkaldy, 1906, 127.

Orthotylus cornupunctus sp. n. (figs. 1-11)

Colour. Pale green, pubescens unicolour, pale errect hairs only, eyes red, 1st antennal segment with a black patch subapically on ventral surface, a similar
black narrow ring near base of 2nd antennal segment; tegminal membrane with fuscus and wavy fascia delimiting apical lighter smoky areas as shown in figure 3; rostrum brown, last segment slightly darker than rest.

**Measurements (mm) of ♂ ♀.** Width of head across eyes 0.76 (0.71), width of vertex between eyes 0.38 (0.28); length of 1st, 2nd, 3rd and 4th antennal seg-

![Diagram](orthotylus-cornupunctus-sp-n-figs-1-11.png)

*Orthotylus cornupunctus* sp. n., figs. 1-11. - 1, head, dorsal view; 2, antenna, ventral view; 3, tegmen; 4, aedeagus, lateral view; 5, long right vesical appendage; 6, smaller right vesical appendage; 7, small left vesical appendage; 8, large left vesical appendage; 9, left paramere; 10, right paramere; 11, K-structure of ♀.

ments 0.38 (0.33), 1.82 (1.39), 0.67 (0.67) and 0.57 (0.57), respectively; width of pronotum at anterior margin 0.67 (0.57) and at base 1.15 (0.95), length of pronotum 0.62 (0.57); length of tegmen 3.95 (3.16) and of total body 4.47 (3.95).

**Structure.** Rostrum reaching in between hind coxae; vertex as wide as length of 1st antennal segment and twice width of an eye; pygophore opening with a row of long setae along left margin, theca longer than every one of vesical appendages, ejaculatory duct short, right pair of vesical appendages (figs. 5 and 6) of almost equal length, one member with simple pointed apex, other with broad apex with denticulate margins, and a subapical loope-like branch, left pair of vesical appendages (figs. 7 and 8) unequal in length, longer member slightly twisted, both with denticulate apices; left paramere (fig. 9) with a branch
arising at right angle near middle of apex, right paramere (fig. 10) also branched, apices of both, main stem and of branch deeply notched; ♀ K structure as shown in figure 11.

Holotype ♂ Iraq, Sulaimanyia, 13.X.71, (Forest Insect Survey, Iraq), on Quercus aegiliops, IR 274 (C.I.E. A 5201); paratypes, 2♂ and 2♀, same data as holotype; deposited in the British Museum (Natural History), London.

Remarks. The new species runs to Orthotylus caprai Wagner (1955, 92) in the key to species by Stichel (1957, 511), to which it resembles in the shape of right paramere; however, the new species can be distinguished from the former by the colour of 1st and 2nd antennal segments and by the shape of left paramere, vesical appendages and the K-structure of the ♀. Orthotylus cornupunctus sp. n. belongs to the marginalis group of the subgenus Orthotylus sensu stricto (vide Southwood, 1953, 444).

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SUMMARY

A new species of the genus Orthotylus (Heteroptera Miridae), Orthotylus cornupunctus sp. n. on Quercus aegiliops, from Iraq is described. The new species is near Orthotylus caprai Wagner.

RIASSUNTO

Una nuova specie di Orthotylus Fieber dell’Iraq (Heteroptera Miridae Orthotylidae).
Viene descritto Orthotylus cornupunctus n. sp., da Quercus aegiliops dell’Iraq. La nuova specie è affine all’O. caprai Wagner.

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