

REICHENBACHIA

Staatliches Museum für Tierkunde Dresden

Band 29

Ausgegeben: 10. Dezember 1992

Nr. 28

A new species of gall-midges from Bulgaria

(Insecta, Diptera, Cecidomyiidae: Porricondylinae)

With 1 table and 2 figures

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The genus *Monepidosis* MAMA EV, 1966 belongs to tribe Porricondylini and consists of two palaearctic species - *M. furcata* MAMA EV and *M. pectinata* MAMA EV (MAMA EV, 1966), and one nearctic species - *M. carolinae* (FELT) (PARNELL, 1971).

Monepidosis bulgarica sp. n. (Figs. A+B)

Male: Body length 1.9 mm. Eye bridge 4-5 facets wide medially. Palpi with 4 segments; 1.1 times of height of head; these 4 segments subequal in width; first, second and third segments subequal in length, fourth segment about 2 times as long as third. Antenna with 2+14 segments; scape about 1.3 times as long as pedicel; pedicel subcylindrical, a little shorter than wide; ring-shaped sensoria present on middle part of basal enlargement; horse-shoe-shaped sockets regularly distributed; fifth flagellar segment with a basal enlargement about 1.5 times as long as wide; stem about 2.1 times as long as basal enlargement. Legs: fore and hind legs with tibiae nearly as long as femur, middle leg with tibia a little shorter than femur. Hind leg with tibia and femur a little longer than those of fore and middle legs. Wing length 2.4 mm and about 3 times as long as wide; sensory pore - 2 on distal portion of R_1 , 1 on basal portion of R_5 , 2 on distal half of R_5 .

Genitalia: Gonocoxites broadly united ventrally; gonostylus attenuated, with some well visible lamellar claws distally; epandrium without distinct distal margin; cerci and subanal plate bilobed; tegmen with 2 pairs of hooks strongly sclerotized; root of gonocoxite a little longer than distance separating both roots; transverse bridge indistinct; hypandrium with two wide, thick sclerotized projections, between which rests the aedeagus; aedeagus well sclerotized, little longer than gonocoxite.

Holotype, ♂, slide no. 224, Bulgaria, Vitosha mountain (near by Sofia), 20.05.1989, above village Geleznitza, 1550 m a. s. l. Specimen was collected by sweeping on the edge zone of the beech forest mixed with lime and birch and was mounted in canada balsam. The type material is kept in the collection of Institute of Zoology (Bulgaria, Sofia).

Remarks. The nearctic species *Monepidosis carolinae* can be easily separated by the shape of gonostylus which bears a small subapical lobe with long setae on inner margin instead of lamellar appendages of Palaearctic species. The characters distinguishing *Monepidosis bulgarica* sp. n. from *M. furcata* and *M. pectinata* are given in table 1.

Table 1: Characters distinguishing *M. bulgarica* sp. n. from *M. furcata* and *M. pectinata*.

<i>M. bulgarica</i> sp. n.	<i>M. furcata</i> MAM.	<i>M. pectinata</i> MAM.
Tegmen:		
with 2 pairs folded outwards	with 2 pairs folded outwards	outer pair folded inwards or downwards
Roots of gonocoxite:		
a little longer than distance separating both roots	longer than distance separating both roots	a little shorter than distance separating both roots
Projections of hypandrium:		
wide, thick	narrow, thin	wide, thick

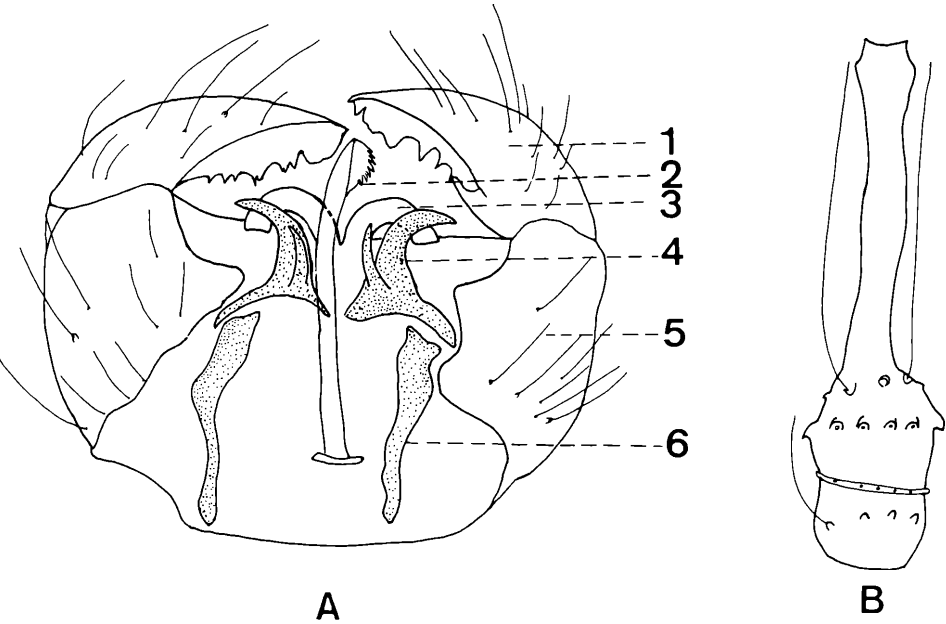


Fig. A-B: *Monepidosis bulgarica* sp. n. - A: Male genitalia (dorsal view, epandrium removed): 1 - gonostylus, 2 - aedeagus, 3 - projection of hypandrium, 4 - hooks of tegmen, 5 - gonocoxite, 6 - root of gonocoxite. B: Fifth antennal segment.

References

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(Received on 4. XII. 1991)

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Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Reichenbachia](#)

Jahr/Year: 1992

Band/Volume: [29](#)

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Artikel/Article: [A new species of gall-midges from Bulgaria \(Insecta, Diptera, Cecidomyiidae: Porricondylinae\) 173-175](#)