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A NEW SPECIES OF THE GENUS *MYCTERODUS* SPINOLA (HEMIPTERA: FULGOROMORPHA: ISSIDAE) FROM CROATIA

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Abstract A new species of the genus *Mycterodus* (subgenus *Semirotus*) – *Mycterodus croaticus* sp. n. from Croatia (Dubrovnik, Ombla, Loznica) is described. It is closely related to *Mycterodus pallens* Stål, 1861, but differs in more acutely angulate anterior margin of coryphe and straight ventral margin of dorso-lateral phallobase lobe under semicircular toothed process.

KEY WORDS: Hemiptera, Issidae, *Mycterodus*, *Semirotus*, new species

Izvešček – NOVA VRSTA RODU *MYCTERODUS* SPINOLA (HEMIPTERA: FULGOROMORPHA: ISSIDAE) IZ HRVAŠKE

Opisana je nova vrsta rodu *Mycterodus* (podrod *Semirotus*) – *Mycterodus croaticus* sp. n. iz Hrvatske (Dubrovnik, Ombla, Loznica). Je v bližnjem sorodstvu z vrsto *Mycterodus pallens* Stål, 1861, vendar se od nje razlikuje po bolj ostrih vogalih prednjega roba korife in ravnem trebušnem robu dorzolateralnega režnja falobaze pod polkrožnim zobatim izrastkom.

KLJUČNE BESEDE: Hemiptera, Issidae, *Mycterodus*, *Semirotus*, nova vrsta

Introduction

According to recently published review of the subgenus *Semirotus* of the genus *Mycterodus* (Gnezdilov & Drosopoulos, 2005), *Mycterodus pallens* Stål, 1861 recorded by Melichar (1906) from Croatia is in fact distributed only in Greece. Examined material from Croatia belongs to a new species closely related to *M.*

pallens, but differs in the structure of male genitalia illustrated first by Dlabola (1985, figs 18-22) under the name *M. pallens*.

Material and methods

The material examined is deposited in the following collections: BMNH – the Natural History Museum (London, UK), NMWC – National Museum of Wales (Cardiff, UK), MMBC – Moravian Museum, Collection of L. Melichar (Brno, Czech Republic), SMNH – Swedish Museum of Natural History (Stockholm, Sweden), ZIN – Zoological Institute, Russian Academy of Sciences (St. Petersburg, Russia).

Taxonomy

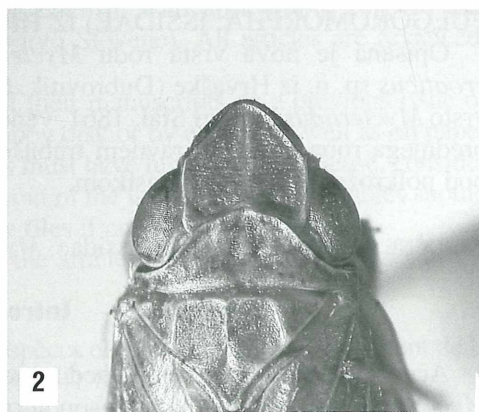
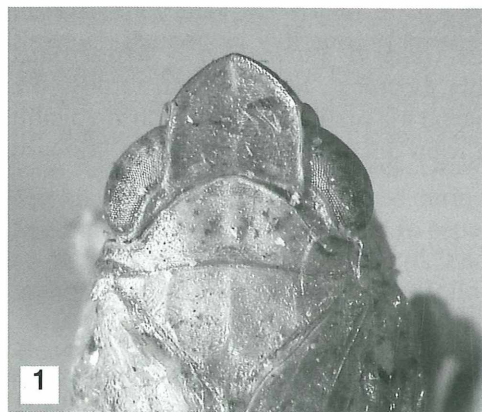
Mycterodus croaticus sp. n.

Holotype: ♂, Croatia, Dubrovnik, 23. V 1952, W.J. Le Quesne (BMNH).

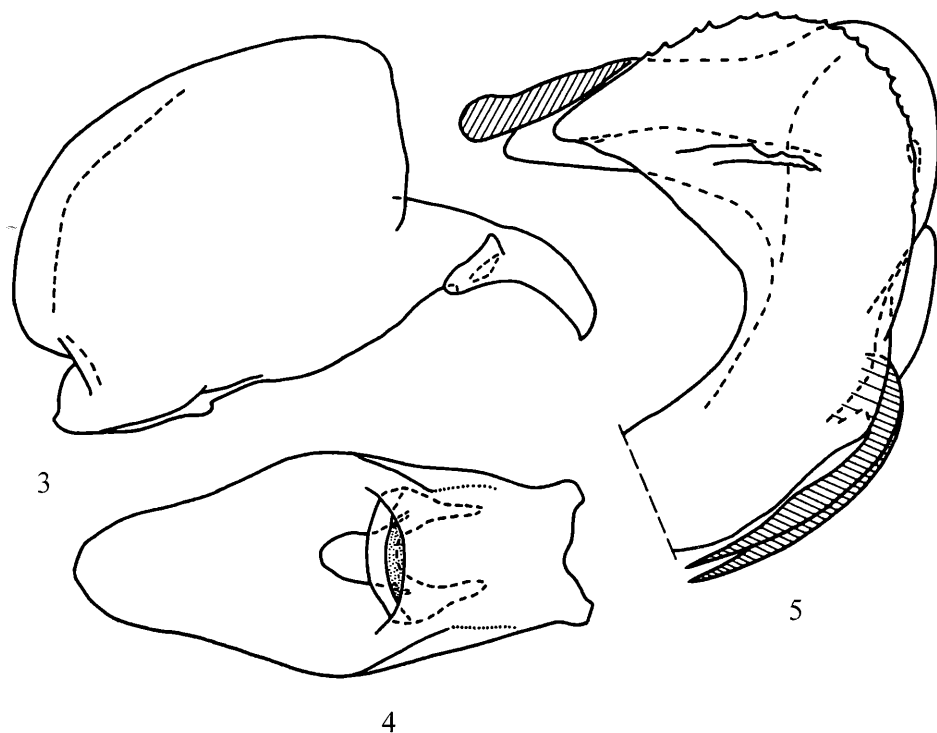
Paratypes: Croatia: 1 ♀, as holotype (BMNH); 1 ♂, Dubrovnik, “89-51”, “Dr. Eger.” (ZIN); 1 ♂, Ombla, 27. V. 1934 (BMNH); 1 ♂, 2 ♀, Loznica, 7. VI. 1934 (BMNH and ZIN); 1 ♀, same locality, 24. 27. VI. 1934 (BMNH), all leg. D. Aubertin; 1 ♀, “Dalmatien”, P. Novak leg. (NMWC); 1 ♂, 1 ♀, Ragusa (Dubrovnik) (MMBC).

Description: Externally very similar to *M. pallens* Stål, 1861 (syntype examined, SMNH) (Fig. 1), but distinguished by more acutely angulate anterior margin of coryphe (Fig. 2) and the structure of male genitalia (Figs 3-5).

Coloration: General coloration from light yellowish brown to dark brown. Apical cells of fore wings with dark brown spots. Metope with sublateral keels bordered



Figs 1-2: *Mycterodus* spp., head, pronotum, and scutellum, dorsal view. 1 – *Mycterodus pallens* Stål, ♀, syntype; 2 – *Mycterodus croaticus* sp. n., ♀, paratype.



Figs 3-5: *Mycterodus croaticus* sp. n., male genitalia. 3 – stylus, lateral view; 4 – anal tube, dorsal view; 5 – penis, lateral view.

apically by black stripe and with V-shaped dark brown spot under the keels. Traces of the sensory pits of metope between its upper margin and sublateral keels black. Pronotum with a couple of dark brown dots medially. Each fore wing usually with three dark brown dots: one dot between M and CuA basally and two dots between second branch of R and first branch of M (one dot near Median bifurcation and another dot distally). Hind wings yellowish light brown. Sockle setae and teeth of legs dark brown.

Male genitalia: Pygofer with weakly convex hind margin. Anal tube elongate, narrows apically (in dorsal view) (Fig. 4). Anal column short (0.15 times as long as anal tube) and wide. Dorso-lateral lobes of phallobase widening before apex (in lateral view). Ventral margin of each lobe with large semicircular toothed process, the margin under the process straight (in lateral view) (Fig. 5). Apical processes of aedeagus long and narrow apically, each with long and broad apical lobe and excavated margin of phalloretra (in lateral view). Aedeagal hooks gradually narrow

to apex, about 0.5 times as long as aedeagus. Stylus with straight hind margin; caudo-dorsal angle rounded (Fig. 3).

Body length: Males 6.2-7.0 mm. Females 6.4-6.9 mm.

Etymology: The species name is derived from the name of the country – Croatia.

Comparison: The species clearly differs from *M. pallens* in straight ventral margin of dorso-lateral phallobase lobe under semicircular toothed process (Fig. 5).

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