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## HAEMATOPOTA BIGOTI (GOBERT, 1881) A NEWLY RECORDED SPECIES OF HORSEFLY (DIPTERA, TABANIDAE) FAUNA OF CROATIA

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Krčmar, S. & Mikuska, J.: *Haematopota bigoti* (GOBERT 1881) a newly recorded species of horsefly (Diptera, Tabanidae) fauna of Croatia. Nat. Croatica, Vol. 3, No 2, 257-260, 1994, Zagreb.

Research into the horseflies fauna in the surroundings of Osijek during 1992 and 1993 has in two places, i.e. in Petrijevci (CR05) and Osijek (E Croatia) (CR24), resulted in the recording of the *Haematopota bigoti* species until now unknown in Croatian fauna.

Key words: *Tabanidae*, *Haematopota bigoti*, first finding for Croatia, Croatia.

Krčmar, S. i Mikuska, J.: *Haematopota bigoti* (GOBERT 1881) nova vrsta u fauni obada (Diptera, Tabanidae) Hrvatske. Nat. Croatica, Vol. 3, No 2, 257-260, 1994, Zagreb.

Faunističkim istraživanjem obada šire okolice Osijeka tijekom 1992. i 1993. godine na dvije postaje, u Petrijevcima (CR05) i Osijeku (CR24), zabilježena je *Haematopota bigoti* koja dosad nije bila poznata u fauni Hrvatske.

Ključne riječi: *Tabanidae*, *Haematopota bigoti*, prvi nalaz za Hrvatsku, Hrvatska.

As a result of research into the horsefly in the broad surroundings of Osijek (Fig. 1) in Petrijevci (CR05), from 2.06.1993 to 25.09.1993. and Osijek (CR24), 21.09.1993. *Haematopota bigoti* for the first time was recorded. All together 39 specimens were collected, 38 in Petrijevci and only 1 in Osijek, all of which are female. They were mostly collected, while sucking blood, on horses, one specimen was collected on a cow and seven were collected with Malais traps with an attractant (dry ice).

Determination was carried out according to CHVALA et al. (1972) and MAJER (1987). The specimens collected were examined and the determination confirmed by Dr. J. Majer at the Ecology and Zoogeography Department of the »Janus Pannonius« University in Pecs.

The *Haematopota bigoti* species has following morphological characteristic: legs and antennae are in large measure of a yellow-brownish colour. The frons is light

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grey, almost square in shape with big paired velvety black roundish spots, the median black spot is always large (Fig. 2). The antennal segment 1 is evenly oval, greyish black in colour, while on the above basal part the colour is yellow-brown, antennal segment 3 is yellowish-brown and the flagellar segments are black (Fig. 3). The palpi are distinctly pointed, light yellow in colour and clothed with white and black hairs. The thorax is blackish-brown with visible light longitudinal stripes on the mesonotum, while the scutellum is dark grey. The wings are ashen-grey with large white spots. The abdomen is characterized by extremely large whitish-grey



Figure 1. The place of finding of the *Haematopota bigoti* species in Croatia.

sublateral spots on all tergites (CHVALA et al. 1972). *Haematopota bigoti* has been recorded in many European countries, Turkey, and also in the Morocco and Algeria (CHVALA 1988). *Haematopota bigoti* is the eleventh species of this order known among Croatian fauna to date (LECLERQ 1976, MAJER 1985 and MOUCHA 1965). Specimens of this species have been collected in the following places: Petrijevci (CR05) June 2, 1993; June 19, 1993; June 22, 1993; July 8, 1993; July 9, 1993; July 10, 1993; July 29, 1993; August 12, 1993; September 9, 1993; and September 25, 1993 and in Osijek (CR24) on September 21, 1993.

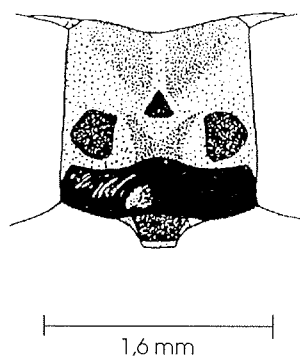
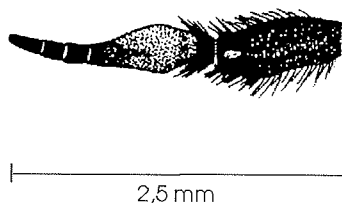


Figure 2. Schematic presentation of female frons of *H. bigoti* (CHVALA et al. 1972)

Figure 3. Schematic presentation of female antenna of *H. bigoti* (CHVALA et al. 1972)



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## SAŽETAK

***Haematopota bigoti* (GOBERT, 1881) nova vrsta u fauni obada (Diptera, Tabanidae) Hrvatske**

S. Krčmar i J. Mikuska

Prilikom faunističkih istraživanja obada šire okolice Osijeka, od svibnja do listopada 1993. godine, zabilježena je *Haematopota bigoti* koja predstavlja novu vrstu obada u fauni Hrvatske (LECLERQ 1976; MAJER 1985; MOUCHA, 1965). Jedinke ove vrste uhvaćene su na sljedećim postajama: Petrijevcima (CR05) i Osijek (CR24). Ukupno je uhvaćeno 39 jedinki, 38 u Petrijevcima i jedna u Osijeku. Sve su ženke, uglavnom uhvaćene za vrijeme uzimanja krvnog obroka na konjima i kravama, dok je samo 7 jedinki uhvaćeno Malaisovim klopka uz uporabu suhog leda kao atraktanta. Determinaciju je potvrdio Dr. J. Majer na Odijelu za ekologiju i zoogeografiju Sveučilišta »Janus Pannonius« u Pečuhu.