

Mosquitoes (Diptera, Culicidae) of Slovakia II

Országh, I.¹, Halgoš, J.², Jalili, N.³ and Labuda, M.⁴

¹Department of Zoology, Faculty of Sciences, Comenius University, Mlynská dolina B-1, 842 15 Bratislava, Slovakia; email: orszaghova@fns.uniba.sk ²Department of Ecology, Faculty of Sciences, Comenius University, Mlynská dolina B-2, 842 15 Bratislava, Slovakia; email: uzoo@fns.uniba.sk

³Institute of Parasitology, Faculty of Medicine, Comenius University, Sasinkova 4/a, 811 08 Bratislava, Slovakia; email: jalili@euroseek.com ⁴Institute of Zoology, Slovak Academy of Sciences, Dúbravská cesta 9, 842 06 Bratislava, Slovakia; email: uzaelabu@savba.sk

Abstract

Maps of the known distribution of all mosquito species recorded in Slovakia are presented, based on information obtained from both published and unpublished data. At present 48 species, belonging to six genera, have been recorded in Slovakia.

Production of the maps

In order to present the known distribution of the mosquitoes of Slovakia, the grid system of Zelený (1972) was used. Designed for earlier studies in the former Czechoslovakia, Zelený's system sub-divides each 1° latitude into 10 equal divisions and each 1° longitude into 6 equal divisions. Each grid square measures approximately 11km x 12km. Individual fields are designated by four numbers, two of which represent the north-south co-ordinate and two the east-west co-ordinate. For example, the sole record of *Culex martinii* was found in the village of Okoč, situated in field 8172 (Fig. 39), where "81" represents the north-south co-ordinate and "72" the east-west co-ordinate.

To create the maps, data from various studies were utilised, most of which are included in the comprehensive list of references given in the first part of this study (Jalili *et al.*, 2000). In addition to these works, the authors have also used their own unpublished data, together with information given by the following authors: Vostál (1964, 1965); Košel (1976); Šuťáková (1978); Brestovský (1980); Bakoš (1981); Harvančík (1983); Halgoš (1984); Kožuch (1993); Topercer (1983) and Brestovský & Jalili (2001). The list of references given in this article includes only studies additional to those given by Jalili *et al.* (2000).

For each species a map is given showing its known distribution (Figs. 1-48). The maps are arranged in the order of the mosquito checklist, presented in the first part of the study (Jalili *et al.*, 2000). In order to maintain this sequence, maps of species recently transferred to the genus *Ochlerotatus* (Reinert, 2000) follow directly after those retained in the genus *Aedes*.

Note on *Culex martinii*

Trpiš (1956) published the first record of *Culex (Neoculex) martinii* Medschid for Slovakia but without giving a date or location. Following communication with Professor Trpiš it can now be reported that the species was found in the village of Okoč in south-western Slovakia, in a rice field on 31 July 1956. It should be noted that rice was planted in several places of south-western and south-eastern Slovakia in the 1950s (Onderíková, 1955; Feriancová-Masárová, 1966). Information on this species has recently been reviewed by Országh (2001).

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NOTE THAT IN THE CAPTIONS TO THE DISTRIBUTION MAPS IN THIS WEB VERSION OF THE PAPER, SPECIES OF THE NEWLY CREATED GENUS *OCHLEROTATUS* ARE RETAINED WITHIN THE GENUS *AEDES*.















































