

A study of mosquito fauna (Diptera: Culicidae) and the phenology of the species recorded in Wilanów (Warsaw, Poland)

Elżbieta Wegner

Polish Academy of Sciences, Museum and Institute of Zoology,
Wilcza 64, 00-679, Warsaw, Poland. E-mail: wegner@aster.pl

Abstract

The occurrence of 33 species (26 species recorded as larvae and 30 species as adults) has been shown. Nine species (*Anopheles plumbeus*, *Aedes rossicus*, *Ochlerotatus caspius*, *Oc. cyprius*, *Oc. euedes*, *Oc. nigrinus*, *Oc. riparius*, *Culiseta alaskaensis* and *Coquillettidia richiardii*) were recorded in Warsaw for the first time. Only two species (*Cs. morsitans* and *Cs. subochrea*), previously reported from Warsaw, were not recorded. For most of the species both larvae and adults were found. Adult females of nine species occurred in the fields for several months - *An. maculipennis* for seven months, *An. claviger* and *Ae. cinereus* for six months and *Oc. cantans*, *Ae. vexans*, *Oc. sticticus*, *Cs. alaskaensis*, *Cs. Annulata* and *Cx. pipiens* for five months. Females of *Oc. caspius* and *Oc. euedes* were recorded for about four months, those of *Oc. annulipes*, *Oc. excrucians*, *Oc. flavescens* and *Cq. richiardii* for about three months. Adult snow-melt mosquitoes (*Oc. cataphylla*, *Oc. communis*, *Oc. leucomelas*, *Oc. intrudens* and *Oc. punctor*, as well as tree-hole species (*An. plumbeus* and *Da. geniculata*) were on the wing for about two months, while *Oc. rusticus* occurred for a month.

Larvae of thirteen species were observed in study ponds in April. By the first days of May six species had completed their larval development for the season (*Oc. cataphylla*, *Oc. communis*, *Oc. intrudens*, *Oc. leucomelas*, *Oc. punctor* and *Oc. rusticus*). The remaining species continued their development beyond this time. Larvae of *Culex* were recorded in Wilanów from June to October and those of *Cs. annulata* and *Cs. alaskaensis* from May to October. Several species: *An. claviger*, *An. maculipennis*, *Ae. cinereus*, *Ae. vexans*, *Oc. cantans*, *Oc. sticticus*, *Oc. caspius*, *Oc. euedes*, *Oc. excrucians*, *Oc. flavescens*, *Cs. alaskaensis*, *Cs. annulata*, *Cx. pipiens* and *Cx. modestus* developed at least two generations per year.