Section 2. Fauna of terrestrial ecosystems

THE MITES OF GENUS *TROUESSARTIA* OF PASSERINE BIRDS, THAT MIGRATE THROUGH ZMEINY ISLAND

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Genus of mites *Trouessartia* Canestrini, 1899 is the largest genus among of 9 genera of feather mites of family Trouessartiidae (Analgoidea), it includes about 80 species. Mites of this genus are in the whole specific for passerine birds and, unlike most other feather mites live on the top of the fan. In doing so, they rarely go on open areas, trying to stay under the inherent wing feathers where they are protected from blow away flow of air during flight. According to our observations, most often on the wing adults are found, but larvae and nymphs can be found on the body contour feathers. Another habitate of these mites are tail feathers. Studies were conducted during six field seasons of 2003-2006 Zmeinyi Island. The island is a place for a considerable number of birds (mostly passerine) crossing the Black Sea during autumn and spring migrations. Birds caught by mist nets and tested for the presence of mites in feathers. After that birds were ringed, morphological values were measured. Than birds were set free. During the studies on the plumage of passerine birds 10 species of mites of genus Trouessartia were found. So species *Trouessartia rubecula* Jablonska was found on the *Erithacus rubecula* L.; *Tr. swidwiensis* Jablonska - on the *Cyanosylvia svecica* L. and ordinary nightingale *Luscinia luscinia* (L.); *Tr. reguli* Mironov - on the *Regulus regulus* L.; *Tr. kratochvilli* Cerny - on the *Locustella fluviatillis* Wolf.; *Tr. trouessarti* Oudemans - on the *Acrocephalus arundinaceus* (L.) and *Acrocephalusscirpaceus* (Herm.); *Tr. minutipes* (Berlese) - on the *Delichon urbica* (L.); *Tr. jedliczkai* (Zimmermann) - on epy *Motacilla alba* L. and *Motacilla flava* L.; *Tr. rosterii* (Berlese) - on the *Sturnus vulgaris* L.; *Tr. corvina* (Koch) - on the *Corvus cornix* L.; *Tr. bifurcata* (Trouessart) - on the *Acrocephalus agricola* Jerd.

Given the fact that the list of species of trouessartia mites appears for the first time for Ukrainian acarofauna, and that for the species *Tr. trouessarti* and *Tr. bifurcata* the new owners were specified, we can speak about a lack of knowledge of this group of mites. In this regard, it is possible that with further work, the parasite-host list will be increased and refined.