

## The results of the investigation of the type specimens of *Notiphila spinosa* Cresson, 1948 (Diptera: Ephydriidae)

### Результаты исследования типовых экземпляров *Notiphila spinosa* Cresson, 1948 (Diptera: Ephydriidae)

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KEY WORDS: Diptera, Ephydriidae, *Notiphila dorsopunctata*, *spinosa*, new synonym.

КЛЮЧЕВЫЕ СЛОВА: двукрылые, мухи-береговушки, *Notiphila dorsopunctata*, *spinosa*, новый синоним.

ABSTRACT. The type series of *Notiphila spinosa* Cresson, 1948 (Diptera, Ephydriidae) was studied. All the 4 specimens proved to be females, so the designation of one of them as Allotype was wrong. The presence of strong spines on costa, 3 facial setae and distinct brown spots in bases of thoracal and scutellar setae show that *N. spinosa* Cresson, 1948 is the junior synonym of *N. dorsopunctata* Wiedemann, 1924.

РЕЗЮМЕ. Изучена серия типовых экземпляров *Notiphila spinosa* Cresson, 1948 (Diptera, Ephydriidae). Оказалось, что все 4 экземпляра являются самками; таким образом обозначение одного из них аллотипом является ошибочным. Наличие сильных шипов на костальной жилке, присутствие 3 щетинок на лице и ясные коричневые пятна в основании щетинок груди и щитка указывают на то, что *N. spinosa* Cresson, 1948 является младшим синонимом *N. dorsopunctata* Wiedemann, 1824.

*Notiphila spinosa* Cresson, 1948 was described from Los Banos, Philippine Islands. The description was based on one male and three female specimens, which were reported to be kept in Dr. Bezzi's collection. Cresson [1948] doubted if this collection had escaped destruction. Since that time nobody has studied these specimens. *N. spinosa* Cresson, according to the primary description was characterized by ochraceous yellow body, yellow face and long spines on the costa. Cresson supposed the median brown marks on the tergites to be longer, than in *dorsopunctata* and to form almost complete interrupted stripe. Body length was about 5 mm. Besides Cresson noted that in some aspects *N. spinosa* suggested *N. ciliata* Van der Wulp.

Though we supposed *N. spinosa* Cresson to be the synonym of *N. dorsopunctata* Wiedemann, the final decision was not taken [Krivosheina, 2001]. Due to the work of the Curators of Insect collection of Museo Civico di Storia Naturale di Milano, Dr. Fabrizio Rigato and Dr.

Carlo Pesarini, the type specimens were found and kindly sent for the examination. The type series contained 4 exemplars: Holotype, Allotype and 2 Paratypes. All the specimens proved to be females, so the designation of the second specimen as Allotype by Cresson was wrong. The specimens are in good condition, only the specimen with the label Allotype and the second of Paratypes have slightly damaged wings. The combination of the following characters: costa with long spines, face with 3 bristle-like setae, brown spots present in bases of thoracal and scutellar setae and abdominal segments II–IV each with 4 narrow elongated widely isolated brown spots shows that *N. spinosa* Cresson is the synonym of *N. dorsopunctata* Wiedemann.

*Notiphila (Notiphila) dorsopunctata* Wiedemann, 1824

*Notiphila dorsopunctata* Wiedemann, 1824: 58

*Notiphila ciliata* Wulp, 1881: 55

*Notiphila spinosa* Cresson, 1948: 17 — **syn.n.**

MATERIAL. Lectotype: ♂, Type, *Notiphila dorsopunctata* W., ♂, Ind.or., Lectotype *Notiphila dorsopunctata* Wied. det. B.H. Cogan 1976 (ZMC) [Krivosheina, 2001]. Holotype: ♀, Los Banos, P. I. Baker. Red label: TYPE *Notiphila spinosa* E. T. Cresson (Jr.) Museo Civico di Storia Naturale MILANO; 1 ♀, Island of Basilian, Baker. Pink label: ALLOTYPE, ♀, *Notiphila spinosa* Cr., Museo Civico di Storia Naturale MILANO; 1 ♀, Mt. Makiling, Luzon, Baker. Blue label: PARATYPE *Notiphila spinosa* det. Cresson, 1924, Museo Civico di Storia Naturale MILANO; 1 ♀, Island of Basilian, Baker. Blue label: PARATYPE *Notiphila spinosa* det. Cresson, 1924, Museo Civico di Storia Naturale MILANO (MSNM).

DIAGNOSIS: the species with greyish general coloration, distinguished mainly by the next characters: wings with well developed spines on C, face with 3 strong setae, body with brown spots in the bases of setae.

DESCRIPTION: medium sized flies, body length 4.2–5.0 mm, wing 4.0–4.2 mm. Head: 1 strong reclinate bristle and 1 weak proclinate seta; postfrons ratio 1:1.25; prefrons ratio 1.2:1; eye-to cheek ratio 5:1; 3 strong facial setae. Face coloration golden-grey, not contrasting to coloration of frons.

Palpi orange; antennae yellow, third antennal segment apically darkened in females. Thorax: golden-grey with distinct brown spots in the bases of setae; anepister with small brown spot. Halteres yellow. Fore coxae with several setae anteriorly, mid coxae with 1 (2 in females) stronger and a row of smaller setae. Mid femora without a comb of bristlike setae, only with a row. Tibiae yellow. Mid tibiae yellow with 3 dorsal bristles. Tarsi yellow, apical tarsomere distinctly darkened in males and seems not to be darkened in females. Wings brownish, with brown veins. Abdomen: grey, abdominal segments II–IV with 4 long narrow brown spots, abdominal segment V in males — brownish except grey median stripe, in females — grey with 2 narrow brown spots.

Genitalia. Epandrium oval, surstyli narrow and curved, each with 2 groups and several single setae, aedeagus long, aedeagal apodeme triangular, gonites spatula-like with several setae [Krivosheina, 2001].

DISTRIBUTION. Malaysia, Pakistan, Thailand, India, Philippines, Myanmar, Taiwan, China, Sri Lanka, Vietnam.

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