

SHORT COMMUNICATION

A. N. Streltsov¹ & V. V. Dubatolov². NEW RECORD OF *HEMARIS STAUDINGERI* LEECH, 1890 (LEPIDOPTERA, SPHINGIDAE) FROM THE RUSSIAN FAR EAST. – Far Eastern Entomologist. 2000. N 86: 11-12.

А. Н. Стрельцов¹, В. В. Дубатов². Новая находка *Hemaris staudingeri* Leech, 1890 (Lepidoptera, Sphingidae) на Дальнем Востоке России // Дальневосточный энтомолог. 2000. N 86. С. 11-12.

Being described from Central China *Hemaris staudingeri* was known from the Russian Far East upon the several specimens [1, 2, 3]. Despite the species was treated as distributed in Primorskii krai and Amur basin, all previous records were made in Ussuriskii Reserve [Tshistjakov, Beljaev, 1984] and in Vladivostok vicinities (collection of Zoological Museum, Moscow State University). In 1998-1999 we took additional data about this species in the South Primorskii krai. The description of male *H. staudingeri* is given by Yu. Tshistjakov and E. Beljaev [1984]. The female genitalia is figured below.

Hemaris staudingeri Leech, 1890

MATERIAL. Primorskii krai: Khasan district, 7 km NNW Zanadvorovka, Gusevskii rudnik, 26, 27.VII 1998, 20.VII 1999, 3 ♀ (Streltsov); Anuchino district, 20 km N Chernyshevka, near Teplyi spring, 12.VII 1999, 1 ♂ (Dubatolov). [1 ♀, 1 ♂ - Animal Systematics and Ecology Institute (Novosibirsk); 1 ♀ - Institute of Biology and Soil Sciences (Vladivostok); 1 ♀ - Blagoveshchensk State Pedagogical University].

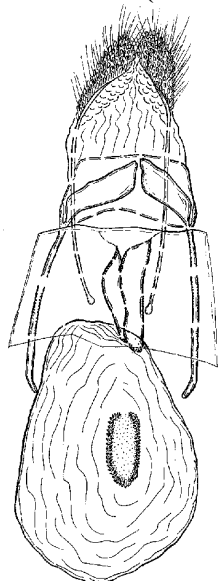


Fig. 1. *Hemaris staudingeri*, female genitalia.

FEMALE. Fore wing length 25-27 mm (wingspread 54-57 mm). Closely resembles the relative species *H. affinis* (Bremer, 1861), but differs by larger size (in *H. affinis* fore wing length 18-21 mm, and wingspread 43-45 mm), by the absence of dark length-wise fold in discal cell of the fore wing, by entirely black bundle of hair at the abdominal apex (in *H. affinis* the bundle is bicolor: pale in centre and black at the edges), 2-nd and 3-rd abdominal tergites covered with black hair-like scales only, without a touch of light ones (in *H. affinis* the latter are well noticeable on the both tergal sides). Genitalia (Fig. 1). Papillae analis are conic with obtuse tops. Front and rear apophyses are equal in length. Rear apophyses are thin and almost straight, the front ones are somewhat thicker and slightly curved at the end. Ostium relatively narrow. Ductus 0.75 apophyses length, slightly widened near ostium. Walls of bursa are membranous with prolonged horseshoe-shaped signum, the edges of signum bear short teeth, and its caudal parts are turned inward.

REMARKS. *H. staudingeri* shows affinity to *H. affinis* in female genitalia, while the male genitalia are more similar to those of *H. radians* (Walker, 1856) [3]. Female

genitalia of *H. staudingeri* differ from those of *H. affinis* with equal length of front and rear apophyses and rather different shape of antrum and signum.

BIOLOGY. The moths were collected at Sini Range in cedar- broad-leaved forest, in Khasan district – in miscellaneous broad-leaved forest with presence of *Abies holophylla*. The moths were obscured in the second half of day on the forest paths, hanging upon bush plants, on the flowers at the forest clearings, during watering at the pools. One female collected on the road after being dropped by bird. As we noted the moths are active in the afternoon.

1. Rotschild, O. & Jordan, K. 1903. A revision of the Lepidopterous family Sphingidae. – Novit. Zool., 4: 135-972.

2. Kuznetzov, N.Ja. 1906. [Review of the family Sphingidae of the Palaearctic and partly Palaearctic (Chinese-Himalayan) fauna]. – Trudy Russkogo entomologicheskogo obshchestva 37: 293-346. (In Russian)

3. Tshistjakov, Ju.A. & Beljaev, E.A. 1984. [Hawk moths of the genus *Hemaris* Dalm. (Lepidoptera, Spingidae) of the Russian Far East]. – In: Fauna i ekologiya nasekomykh yuga Dalnego Vostoka. Vladivostok: 50-59. (In Russian)

Author's addresses:

1) Blagoveshchensk State Pedagogical University,
Blagoveshchensk, 675000, Russia

2) Institute of Animal Systematics and Ecology,
Novosibirsk, 630091, Russia

© **Far Eastern entomologist (Far East. entomol.)**

Editor-in-Chief: S.Yu. Storozhenko

Editorial Board: A.S. Lelej, Yu.A. Tshistjakov, N.V. Kurzenko

Address: Institute of Biology and Soil Sciences, Far East Branch of Russian Academy of Sciences, 690022, Vladivostok-22, Russia.

FAX: (4232) 310 193

E-mail: entomol@online.marine.su