

## THE FIRST RECORDS OF *DOLICHOPUS PTENOPEDILUS* (DOLICHOPODIDAE, DIPTERA) FROM RUSSIA AND MONGOLIA WITH DESCRIPTION OF ITS FEMALE

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[Маслова О.О., Негробов О.П., Селиванова О. В. Первое указание вида *Dolichopus ptenopedilus* (Dolichopodidae, Diptera) из России и Монголии с описанием самки этого вида]

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**Ключевые слова:** *Dolichopodidae*, *Dolichopus ptenopedilus*, описание самки, фауна, новые находки

**Summary.** New records of *Dolichopus ptenopedilus* Meuffels, 1981 from Russia, Mongolia, and Japan are reported; the female is described and illustrated.

**Резюме.** Приводятся новые данные по распространению *Dolichopus ptenopedilus* Meuffels, 1981 в России, Монголии и Японии, с описанием самки этого вида.

The long-legged fly species *Dolichopus ptenopedilus* Meuffels, 1981 was described from two male specimens collected in Hokkaido, Japan (Type locality: Sooukyo) [Meuffels, 1981]. While studying the collections of Zoological institute of the Russian Academy of Sciences (ZIN), Hungarian Natural History Museum (HNHM), Zoological Museum of Moscow University (ZMMU) and collection fund of Voronezh State University (VSU), we found over 150 specimen of this species from various locations within East Palearctic region (fig. 3). The list of material is given below.

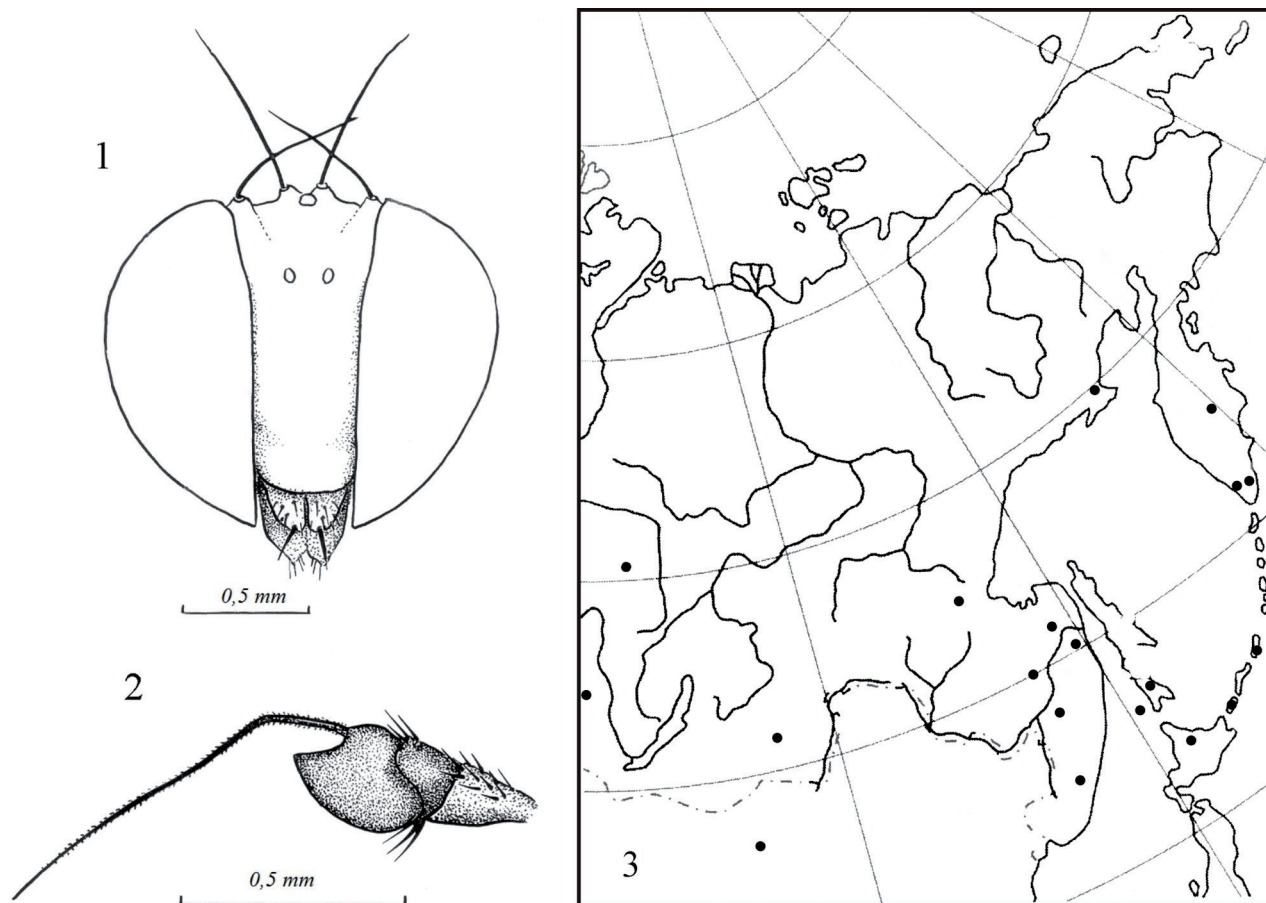
**Material:** **Japan**, Hokkaido, 22.07.1932 (H. Yaku), ZIN; **Kamchatka**, Petropavlovsk-Kamchatsky, 22.07.1907 (Smirnov), ZIN; Petropavlovsk-Kamchatsky vic., 27.06.1959 (Gorodkov), ZIN; Petropavlovsk-Kamchatsky vic., Nagorny settl., 07.07.1970 (Negrobov), VSU; Elizovo, forest at the riverbank, 11.08.1970 (Negrobov), VSU; Elizovo, 7.07.1975 (Barkalov), VSU; Ezzo, Bystraya river, 27.06.1975 (Barkalov), VSU; 11 km to the east from Petropavlovsk-Kamchatsky, 06.06.1975 (Barkalov), VSU; Dolinovka settl., 15 km from Petropavlovsk-Kamchatsky, 05.07.1975 (Barkalov), VSU; **Primorsky Krai**, Yakovlevka, Spassky uезд, 11.06.1926, paseka Kvashuka (V. Filipjev), ZIN; Terney settl., 16.07.1974 (Zlobin), VSU; **Sakhalin**, Yuzhno-Sakhalinsk, park, 21.08.1968 (Skufjin), VSU; Yuzhno-Sakhalinsk vic., 7-9.07.1982 (Shamshev), VSU; Bihkov settl., 45 km north from Yuzhno-Sakhalinsk, 12.07.1982 (Shamshev), VSU; Urozhainy settl., 29 km SW from Yuzhno-Sakhalinsk, 13.07.1982 (Shamshev), VSU; Yuzhno-Sakhalinsk vic., 06.08.1973 (Logvinovsky), VSU; Anivskii distr., "38 kilometr", 17.07.1973 (Logvinovsky), VSU; Yuzhno-Sakhalinsk vic., 22-27.06.1956 (Violovich), ZIN; semiisl. Terpeniya,

Kotilovo settl., 27.07.1956 (Violovich), ZIN; Starodubskoe settl., 2.08.1991 (Violovich), ZIN; Tatar strait, Okhotsk sea, Moneron isl, 26.08.1956 (Violovich), ZIN; **Kuriles**, Kunashir, lake Lagunnoe, 13-16.07.1954 (Violovich), ZIN; Kunashir, 30.07.1973 (Kasparyan), ZIN; Kunashir, 29.07.1946 (Kanakov), ZIN; Sernovodsk, 28.06.1973 (Kerzhner), ZIN; Shikotan, Malo-Kurilsk settl., 20.08.1973 (Kasparyan), ZIN; Iturup, Rybaki, 5 km SW Kurilsk, 22.06.1968 (Rikhter), ZIN; Iturup, Yasnyj (Kitovoe settl.) 3 km N from Kurilsk, 26.06.1968 (Rikhter); Tretyakovo, 04.08.1973 (Kasparyan), ZIN; **Krasnoyarsky Krai**, Bolshaya Murta, 10.07.1977 (Chernenko), VSU; Kazachinsky porog, Middle Yenisei, 4.08.1980 (Skufjin), VSU; **Zabaykalsky Krai**, Kaidalovka river, 07.07.1912 (Valueva), ZIN; **Khabarovsk Krai**, Vysokogorny vic., 11.07.1970 (Negrobov), VSU; Vysokogorny vic., 07.08.1974 (Barkalov), VSU; **Amurskaya oblast**, Zeya, 29.07.1971 (Gorbunov), ZMMU; **Magadan oblast**, 50 km N Magadan, Ola river, 12.08.1975 (Barkalov), VSU; **Mongolia**, Central aimak, Ulan-Baator, Nucht in Bogdo ul., 1500-1600 m, 21.07.1967 (exp. Dr. Kaszab), NTRM.

The species is reported for the first time for Mongolia and for the number of territories in Russia: Kamchatka, Sakhalin, Moneron island, Kurile islands, Primorsky Krai, Zabaykalsky Krai, Amurskaya and Magadan oblasts, Krasnoyarsky Krai.

**Description of female.** The description of female *Dolichopus ptenopedilus* is based on three specimens in copula from Kamchatka (Ezzo), Khabarovsk Krai (Vysokogorny) and Kunashir island.

**Female** (fig. 1-2). Differs from the male with larger palpus and proboscis, wider face, grey colour of face, shorter postpedicel, absence of long setae on



Figs. 1-3. *Dolichopus ptenopedilus* Meuffels, 1981. Female. 1 – head, frontal, 2 – antenna, lateral, 3 – distribution of *Dolichopus ptenopedilus*.

Рис. 1-3. *Dolichopus ptenopedilus* Meuffels, 1981. Самка. 1 – голова спереди, 2 – антенна сбоку, 3 – распространение *Dolichopus ptenopedilus*.

1-3 tarsomeres of fore legs and absence of expanded tarsomere in fore legs.

Head: face greyish white, not reaching lower eye margin, in the middle wider than postpedicel width at the basis (2.8: 1.7). Proboscis dark-brown. Palpus yellow, with black hairs. Frons shining metallic bronze-green. Antenna black, scape yellow from below, postpedicel reniform, stylus dorsal. Ratio of postpedicel length to its width to stylus length: 2.3: 1.7: 6.8. Lower postocular setae light yellow.

Thorax: metallic green; mesonotum on each side with two purple spots, pleuron grey pollinose, propleuron with 1 strong black seta below and small yellow hairs. Scutellum with 2 black setulae and small fine hairs along the edges. Legs: mainly yellow, pulvilli snow-white, apical part of fore and mid tarsomeres, hind tarsus, mid coxae, basal part of hind coxae and apical part of hind tibia black. Fore coxa with black hairs, from an outer side with yellow hairs, from inside and at top with black hairs and bristles. Mid and hind coxae with black bristles. Fore femur without long hairs, with 1 preapical bristle. Fore tibia with 3 anterodorsal, 3 posterodorsal and 1 anteroventral setae. Fore tarsus simple, first tarsomere without long bristle. Length ratio of fore tarsus tarsomeres

(from first to fifth): 5.7: 3.3: 2.5: 1.6: 1.4. Mid femur with 1 preapical bristle. Mid tibia with 4 anterodorsal and 2 posterodorsal, 2 anteroventral and 1 ventral setae. Mid basitarsus with 1 strong anterodorsal setae and long ventral setae. Length ratio of mid tarsus tarsomeres (from first to fifth): 9.0: 4.3: 3.2: 1.9: 1.5. Hind tibia with 6 anterodorsal, 6 posterodorsal, 2-3 strong ventral bristle and a row of short black ventral setae. Hind basitarsus with 3 dorsal, 2 anterodorsal and 4 short ventral setae. Length ratio of hind tarsus tarsomeres (from first to fifth): 8.0: 6.8: 4.1: 2.7: 1.7.

Wings mostly hyaline. Ratio of part of costa between  $R_{2+3}$  and  $R_{4+5}$  to this between  $R_{4+5}$  and  $M_{1+2}$  – 3.4: 1.9. Ratio of basal to apical part of  $M_{1+2}$  – 11.6: 9.9. Distal part of  $CuA_1$  longer than m-cu – 4.0: 3.2. Lower calypter yellow, with yellow cilia. Halter yellow.

Abdomen: metallic green, laterally and ventrally grey pollinose, with black setae.

Length 5.8-6.3 mm, length of wing 5.7-6.4 mm.

The female stands close to *Dolichopus galeatus* Loew, 1871 under [Stackelberg, 1930] differing from it with a number of characters:

1. Fore coxae yellow, with yellow hairs in front part. 1st tarsomere of fore legs is shorter than 2-5

tarsomeres together. Mid tibia with 2 anteroventral and 1 ventral setae. Hind tibia with 6 anterodorsal, 6 posterodorsal bristles. Size smaller – 5 mm ..... *Dolichopus ptenopedilus* Meuffels  
– Fore coxae black at the base from an outer side, with black hairs in front part. 1st tarsomere of fore legs is approximately equal in length to 2-5 tarsomeres together. Mid tibia with 3 anteroventral and 2 ventral setae. Hind tibia with 8-9 anterodorsal, 8-9 posterodorsal bristles. Size larger – 7-8 mm .....  
..... *Dolichopus galeatus* Loew

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