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# On the fauna of Tachyporinae (Coleoptera, Staphylinidae) of the Russian Far East. I. The genus *Tachinus* Gravenhorst, 1802

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An annotated list of *Tachinus* species (Coleoptera, Staphylinidae) with new records is given. *T. rubricollis* Rambousek, 1921 is revalidated; *T. rishirianus* Watanabe et Shibata, 1965 is elevated to species propria. *T. latissimus* Tichomirova, 1973 and *T. nigriceps mandschuricus* Ullrich, 1975 are placed in the synonymy of *T. rubricollis*. The synonymy of *T. kobensis* Cameron, 1933 with *T. nigriceps* Sharp, 1888 is reestablished. The synonymy of *T. exiguus* Veselova, 1993 with *T. kabakovi* Veselova, 1990 is considered to be doubtful. *T. atripes* J.Sahlberg, 1876 and *T. setosus* Ullrich, 1975 are first recorded for the Far East. *T. rishirianus* is first recorded for the Asian mainland. *T. bipustulatus* (Fabricius, 1793), *T. elegans* Eppelsheim, 1893 and *T. rubricollis* are first cited for the N Amur basin. *T. nigriceps* Sharp, 1888 and *T. atripes* J.Sahlberg, 1876 are cited for Russia for the first time.

Key words: Siberia, Far East, fauna, taxonomy, new records, new synonyms.

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## INTRODUCTION

The main part of the material for the present paper was collected by the author and A.B.Ryvkin in the Norskiy Nature Reserve and its vicinity (Amur Area: Selemdzhinskiy and Mazanovskiy districts), in the Bureinskiy Nature Reserve (Khabarovsk Territory: Verkhnebureinskiy District) and in the adjacent territories. I used also material both loaned and donated by other collectors.

The *Tachinus* species below are mainly recorded for the northern part of the Amur River basin and additionally for the adjacent areas, as Transbaikalia, Mongolia, the Maritime Province, the Okhotsk Sea coast, and Far-Eastern islands. Taxonomically problematic cases are briefly discussed. Localities and habitats, if known, along with a summary of available distributional data are listed for each species. The „Material" sections comprise citations for the Russian Far East with the adjacent areas. The records for distant areas are listed in the „Additional material examined" sections to characterize the ranges more precisely. Both type and unique specimen labels are cited in quotes with vertical strokes to separate different lines of a label; square brackets are used to complete label data. If necessary, translations of these labels from Russian into English are supplied with remarks in angle brackets. Labels of other specimens are given in

English translation without comments. Abbreviated names of depositories are given in brackets (see „Abbreviations").

The catalogue references are provided only for explaining taxonomic state and distributional data sources of the species listed. For more catalogue data see Herman (2001). I do not cite recent faunistic papers by A.V.Shavrin here, because those appear to contain some evident misidentifications; I hope to revise the material in the near future.

## ABBREVIATIONS

Collectors:
AR – A.B.Ryvkin;
EV – E.M.Veselova.

Depositories:
BM – Natural History Museum (British Museum), London, U.K.;
EV – Collection of E.M. Veselova, Moscow, Russia;
FMNH – Field Museum of Natural History, Chicago, USA;
ZIN – Zoological Institute of the Russian Academy of Sciences, St.-Petersburg, Russia;
ZMMU – Zoological Museum of Moscow University, Moscow, Russia.

Other:
ex – specimen, specimens;
HT – holotype.

## SPECIES LIST

### *Tachinus* (*Tachinoderus*) *rubricollis* Rambousek, 1921 sp. propria

(Figs. 1–7, 12–17, 19–20, 22–24.)

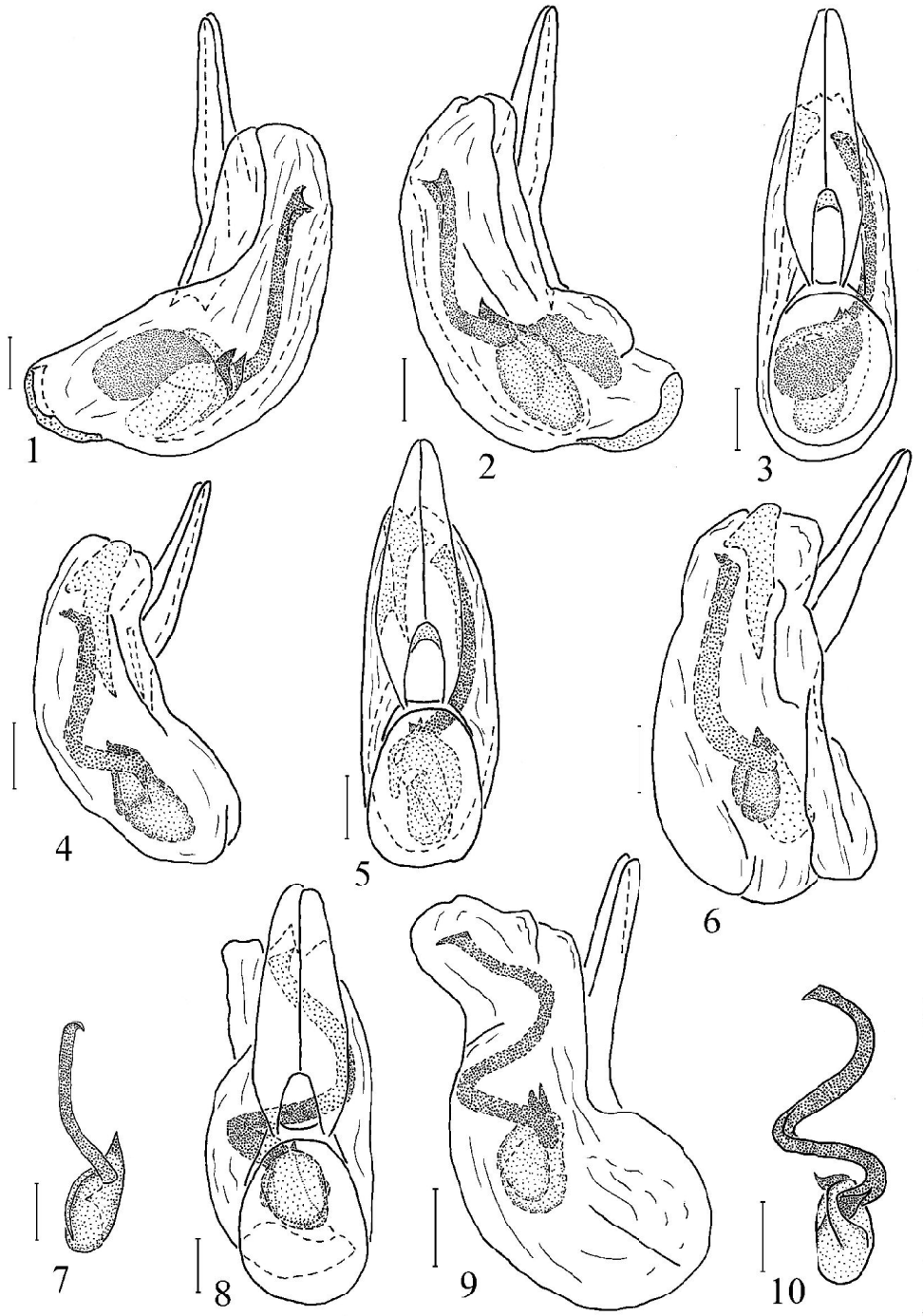
*Tachinus rubricollis* Rambousek, 1921, Časopis Československé Společnosti Entomologické, XVII, 3–4: 82
*Tachinus* (s.str.) *rubricollis*; Winkler, 1925: 402
*Tachinus rubricollis*; Scheerpeltz, 1934: 1512
*Tachinus* (s.str.) *rubricollis*; Tichomirova, 1973a: 150
*Tachinus rubricollis*; Ullrich, 1975: 11
*Tachinus rubricollis*; Kurcheva, 1977: 66
*Tachinus rubricollis*; Herman, 2001, Bulletin of the American Museum of Natural History, 265: 979
*Tachinus* (incertae sedis) *rubricollis*; Smetana, 2004: 349
*Tachinus* (s.str.) *latissimus* Tichomirova, 1973, Ekologia pochvennykh bespozvonochnykh: 116, **syn.nov.**
*Tachinus* (s.str.) *latissimus*; Tichomirova, 1973a: 150
*Tachinus latissimus*; Kurcheva, 1977: 66
*Tachinus* (s.str.) *latissimus*; Ullrich, 1975: 173
*Tachinus latissimus*; Filatova, 1983, Teoretiko-grafovyie metody v biogeograficheskikh issledovaniyakh: 73
*Tachinus* (s.str.) *latissimus*; Herman, 2001, Bulletin of the American Museum of Natural History, 265: 956
*Tachinus* (s.str.) *latissimus*; Smetana, 2004: 346

[?]*Tachinus nigriceps*; J.Li, 1992: 55

[?]*Tachinus nigriceps*; J.Li, 1993, Studies on fauna and ecogeography of soil animals: 43

*Tachinus* (*Tachinoderus*) *nigriceps*; L.-Z.Li, 1995a, The Japanese Journal of Systematic Entomology, I(2): 209
*Tachinus* (*Tachinoderus*) *nigriceps* (pars); Schülke, 2005, Linzer biologische Beiträge, 37(2): 1569
*Tachinus* (*Tachinoderus*) *nigriceps mandschuricus* Ullrich, 1975: 317, **syn.nov.**
*Tachinus* (*Tachinoderus*) *nigriceps mandschurius* (sic!); Herman, 2001, Bulletin of the American Museum of Natural History, 265: 971
*Tachinus* (*Tachinoderus*) *nigriceps mandschuricus*; Smetana, 2004: 344

**Material. CHINA:** Holotype, male: „Chikuanshan | S.Mandschur[ia] [NE China, Jilin Province, Chikuan Shan, 42,99ºN 130,27ºE]", „*nigriceps* Shp | det. Bernh[auer] | lg. Rost. BangH[aa]s", „Chicago NH Mus[eum] | M.Bernhauer | Collection",




**Figures 1–10. —** Male genitalia of *Tachinus* spp. 1-7. *T. rubricollis* Rambousek, 1921 (1–3: HT of *T. nigriceps mandschuricus* Ullrich, 1975, 4–7: Amur Area: Nora River), aedeagus (1–2: bilaterally, 4,6: laterally, 3, 5: from the basal opening ), endophallus (7: from the side opposite to the basal opening). 8–10. *T. nigriceps* Sharp, 1888 (Japan: Tsushima), aedeagus (8: from basal opening, 9: laterally), endophallus (10: from the side opposite to the basal opening). Scale = 0.1 mm.

„*nigriceps* Shp. | Ann. Mag. N. Hist. | 1889, p. 384." <folded>, „Holotypus | *Tachinus* male | *nigriceps* ssp. | nov.*mandschuri-* | *cus* | des. | W.G.Ullrich 1974 | <vertically:>No. 22244" <red>, „*Tachinus* male | *nigriceps* | ssp.n.*mandschuri-* | *cus* | W.G.Ullrich det. | <vertically:>No. 22244", „*Tachinus (Tachinoderus)* | *rubricollis* Rambousek male | E.M.Veselova det. 2007" (FMNH).—**RUSSIA: Maritime Province:** Holotype, female: „[42,46ºN 130,63ºE] S Maritime Province. Khasan Village. | Under bark of tree | VI-1967. Tihomirova" <In Russian>, "Holotypus. *Tachinus* | *latissimus* | A.Tichomirova 1967"<red>, „*Tachinus (Tachinoderus)* female | *rubricollis* Rambousek | E.M.Veselova det. 2007" (ZIN).—1 female: Tumannyi Cape [43ºN 134º07'E], 03.10.1948 [collector unknown] (ZMMU).—1 male: Ussuriyskiy District, Kamenushka, 02.06.1990, S.V.Kazantsev leg.-—1 female: flood-plain of Poyma River, 30.07–06.08.1999, A.V.Shavrin leg. „*Tachinus* (*Tachinoderus*) *nigriceps* Sharp, det. M.Schülke, 2009" (EV).—1 male: Siniy Mt. Ridge, 4 km E of Yevseyevka. 07–09.08.1999. A.V.Shavrin leg. „*Tachinus* (*Tachinoderus*) *nigriceps* Sharp, det. M.Schülke, 2009" (EV).—1 female: Lazovskiy Nature Reserve, Lazo, valley of Lazovka River, 26–29.06.2007. A.V.Shavrin leg. „*Tachinus* (*Tachinoderus*) *nigriceps* Sharp, det. M.Schülke, 2008" (collection of A.V. Shavrin, Irkutsk).—1 female: Lazovskiy Nature Reserve, cordon Prosyolochniy (Ta–Chingouza), 01–03.07.2007. A.V.Shavrin leg. „*Tachinus* (*Tachinoderus*) *nigriceps* Sharp, det. M.Schülke, 2008" (collection of A.V. Shavrin, Irkutsk).—**Jewish Autonomous Area:** 1 male: Dichun, Amur River, 130º45'E, near Radde, 08.08.1978, leg.V.V.Belov (EV).—**Khabarovsk Territory:** 1 male: Bolshekhekhtsirskiy Nature Reserve, Sosninskiy cordon, 25.05.2004, leg. A.V.Tanasevitch (EV).—**Amur Area:** 1 male, 3 females: Mazanovskiy District, Nora River mouth, 210 m a.s.l., mosses and leaf litter on natural levee and in flood-plain forest with *Alnus* sp., *Salix* spp., *Padus* sp., ferns, *Poaceae* gen. spp., *Carex* spp., *Smilacina davurica,* etc. 05.08.2006, EV & AR leg. (EV).—2 males, 8 females: same place 06.08.2006, EV & AR leg. (EV).—1 male: same locality, bracket-fungi and epigenous gill fungi on dead and alive standing willows, 06.08.2006, EV & AR leg (EV).

**Differential diagnosis.** *T. rubricollis* differs from the closely related *T. nigriceps* Sharp, 1888 by the antennal segment 10 shorter, as wide as long, by the apical segment of maxillary palpi more elongated, about twice as long as penultimate one, by the absence of ground sculpture on the pronotum, by the elytra shining without distinct ground sculpture throughout, excluding the very base and posterolateral angles.

The male of *T. rubricollis* is distinguishable by the acute angular shape of the medioposterior impression of the abdominal sternite 7 with a peculiar granular pattern (figs. 19–20), by the narrower emargination of the abdominal sternite 8 (figs. 15–17), by the less robust and more tapering parameres (figs. 1–6), by the not helical sclerotized tube of the endophallus (fig. 7).

The female of *T. rubricollis* differs from those of *T. nigriceps* by the deeper lateral emarginations of the abdominal tergite 8 (fig. 23). The spermatheca as in fig. 24.

**Remarks.** The description of *T. rubricollis* Rambousek, 1921 is based on the male collected by S.Jureček in Vladivostok under an oak in 1919. This type had remained the single known specimen of *T. rubricollis* till the Japanese *Tachinus* revision by L.-Z.Li (1995, 1995a) was published. Unfortunately, despite several requests, the holotype of *T. rubricollis* from the National Museum (Natural History), Prague, had not been made available for my examination.

*T. latissimus* Tichomirova, 1973 was described from Khasan (S Maritime Province); it was not compared with *T. rubricollis* in the differential diagnosis, but it was stated to be allied to *T.* (s.str.) *collaris* Gravenhorst, 1802 (a synonym of *T. corticinus* Gravenhorst, 1802). Tichomirova has definitely never seen Rambousek's type; *T. collaris*, *T. rubricollis*, and *T. latissimus* are placed one after another in the Catalogue of the USSR Staphylinid fauna (Tichomirova 1973a).

Ullrich (1975, p.11) had not seen any specimens of *T. rubricollis* and *T. latissimus* when describing *T. nigriceps mandschuricus* from Chi-kuan Shan (SE Mandschuria). Having seen no types of both species, L.-Z.Li (1995a) redescribed *T. rubricollis* under the name of *T. nigriceps* (see below). Later, Schülke (2005) without having revised the types of *T. nigriceps mandschuricus* and *T. nigriceps* Sharp, 1888 placed both the former and *T. rubricollis* in the synonymy of *T. nigriceps*, though he had examined the holotype of *T. rubricollis* carefully and provided a redescription with photographs of both the total beetle and the details.

I have studied the types of *T. latissimus* and *T. nigriceps mandschuricus*. Those correspond well to Rambousek's description of *T. rubricollis* and also to the redescriptions by both L.-Z.Li (under the name of *T. nigriceps*) and Schülke. Therefore *T. latissimus* and *T. nigriceps mandschuricus* are to be considered as junior synonyms of *T. rubricollis*. The types of all the three taxa are noteworthy in having been collected within a restricted geographical area (the type locality of *T. nigriceps mandschuricus* was mapped by Schülke (l.c.) erroneously). At the same time, neither the *T. nigriceps* female holotype nor the male of the same species from the type locality (see below) are conspecific with *T. rubricollis* (see the „Differential diagnosis" above). Thus, *T. rubricollis* can not be regarded as a synonym of *T. nigriceps*.

*T. rubricollis* has been known from both Far-Eastern islands and the Asian mainland: S Maritime Province (Rambousek 1921; Tichomirova 1973; Kurcheva 1977; Filatova 1983; Schülke 2005), NE China (Ullrich 1975; Schülke 2005), and Japan: Hokkaido, Honshu, Shikoku, Kyushu (L.-Z.Li 1995a). The records of *T. nigriceps* from Heilongjiang and Jilin provinces, NE China (J.Li 1992, 1993), seem to be related to *T. rubricollis* as no reliable finds of the former from the Asian mainland are known. In the present paper, *T. rubricollis* is also recorded for the first time for the N Amur basin and the Khabarovsk Territory. Now one can suppose the Nora River mouth to be a NW limit of the species range.

***Tachinus* (*Tachinoderus*) *nigriceps* Sharp, 1888**

(Fig. 8–11, 18, 21, 25–26.)

*Tachinus nigriceps* Sharp, 1888, The Annals and Magazine of natural History, Ser.6, 2(11): 38

*Tachinus* (s.str.) *nigriceps*; Bernhauer & Schubert, 1916: 484

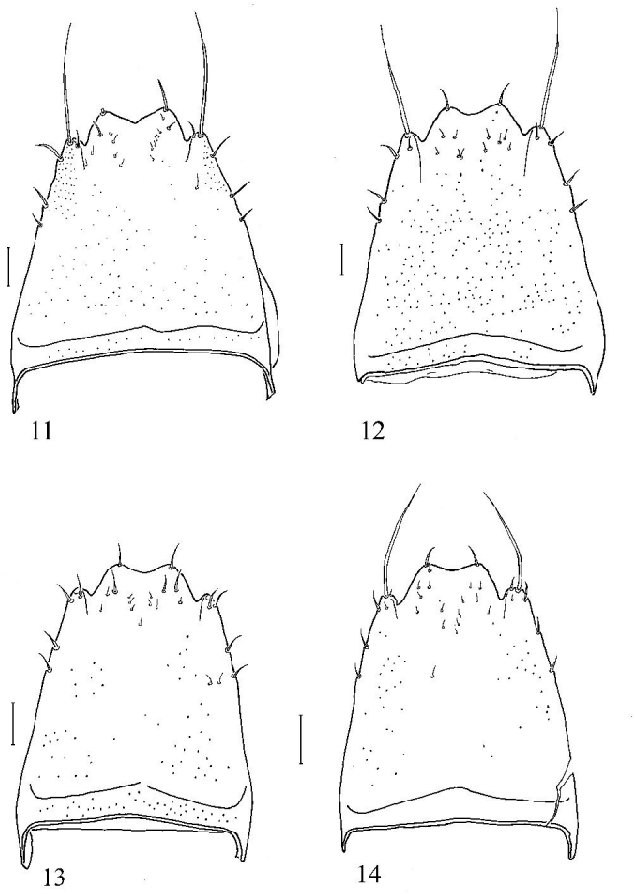
*Tachinus* (s.str.) *nigriceps*; Winkler, 1925: 402

*Tachinus* (s.str.) *nigriceps*; Tichomirova, 1973a: 150
*Tachinus* (*Tachinoderus*) *nigriceps*; Ullrich, 1975: 315
*Tachinus* (*Tachinoderus*) *nigriceps*; Herman, 2001, Bulletin of the American Museum of Natural History, 265: 971
*Tachinus* (*Tachinoderus*) *nigriceps nigriceps*; Smetana, 2004: 344
*Tachinus* (*Tachinoderus*) *nigriceps* (pars); Schülke, 2005, Linzer biologische Beiträge, 37(2): 1569

*Tachinus kobensis* Cameron, 1933, The Entomologist's Monthly Magazine, 69: 172

*Tachinus* (*Tachinoderus*) *kobensis*; L.-Z.Li, 1995a, The Japanese Journal of Systematic Entomology, I(2): 208
*Tachinus* (incertae sedis) *kobensis*; Tichomirova, 1973a: 150
*Tachinus kobensis*; Herman, 2001, Bulletin of the American Museum of Natural History, 265: 953
*Tachinus* (*Tachinoderus*) *kobensis*; Smetana, 2004: 344

**Material. JAPAN:** Holotype, female: „*Tachinus nig- | riceps* Type | D.S."<on the same plate with the specimen>,"Type","Japan. | G.Lewis. | 1910-320.", Lectotypus | *Tachinus* female | *nigriceps* Shp. | des. | W.G.Ullrich 1974 | <vertically:>No.21937"<red>,"*Tachinus* female | *nigriceps* | Sharp. | W.G.Ullrich det. | <vertically:>No.21937","HOLOTYPUS!"<red>,"*Tachinus* female HT! | *nigriceps* Sharp | E.M.Veselova vid. 2007" (BM).—1 male: „Tsushima, Japan", „*diminutus* Shp., det. Bernhauer, Bang H[aa]s. lg. Rost", „Chicago, NHMu, M.Bernhauer Collection", „*diminutus* Sharp Ann. Mag. Nat.




**Figures 11–14. —** Male abdominal tergite 8 of *Tachinus* spp. 11. *T. nigriceps* Sharp, 1888 (Japan: Tsushima). 12–14. *T. rubricollis* Rambousek, 1921(12–13: Amur Area: Nora River, 14: HT of *T. nigriceps mandschuricus* Ullrich, 1975). Scale = 0.1 mm.

Hist. 1888, p. 382 [folded]", „*Tachinus* male *nigriceps* Shp. W.G.Ullrich, [vertically:] 22234" (FMNH).—**RUSSIA: Sakhalin Area:** 1 female: S Kuriles, Kunashir Island, near Mendeleyevo, 17-th km, 11.07.1985, N.B.Nikitskiy & V.V.Belov leg. (EV).

**Remarks.** Ullrich (1975) synonymized *T. kobensis* with *T. nigriceps* and designated the lectotype of the latter. Schülke (2005) has properly indicated that Ullrich"s lectotype designation was invalid because the original description had been based on the single female.

L.-Z.Li (1995a) redescribed the species he supposed to be *T. nigriceps*, and revalidated *T. kobensis* without revising the types. I have ascertained (see above) that the specimens identified as the former by Li belong in fact to *T. rubricollis*. The female characters of *T. kobensis* redescribed by L.-Z.Li correspond well to those of the female-holotype of *T. nigriceps* I have restudied (without dissecting the last abdominal segments); and the male characters of the former seem to be identical with both the male specimen of the latter studied by me and the figures given for *T. nigriceps* in Ullrich's monograph (l.c.). This makes it possible to resynonymize *T. kobensis* Cameron with *T. nigriceps* Sharp.

*T. nigriceps* was known with certainty from Japan only (Ullrich l.c.); Schülke's (l.c.) records of *T. nigriceps* for the Asian mainland most likely refer to *T. rubricollis*. Herein I report *T. nigriceps* for Russia (Kunashir Island) for the first time. It is probably a true insular species.

### *Tachinus* (s.str.) *atripes* J.Sahlberg, 1876

*Tachinus atripes* J.Sahlberg, 1876, Acta Societatis pro Fauna et Flora Fennica, 1: 192
*Tachinus* (s.str.) *atripes*; Tichomirova, 1973a: 150
*Tachinus* (s.str.) *atripes*; Ullrich, 1975: 163

**Material. KHABAROVSK TERRITORY:** 1 male: Amur basin, Tarakan Mt. Ridge, 19.09.1957, O.N.Kabakov leg. (EV).

**Remarks.** *T. atripes* has been recorded from N Fennoscandia; only a few specimens are known. (Ullrich 1975). It is cited herein from both the Russian fauna and the Far East for the first time.

***Tachinus* (s.str.) *bipustulatus* (Fabricius, 1793)**

*Oxyporus bipustulatus* Fabricius, 1793: 533
*Tachinus bipustulatus*; Baudi, 1870, Berliner Entomologische Zeitschrift, 13: 381
*Tachinus* (s.str.) *bipustulatus*; Ullrich, 1975: 125
*Tachinus bipustulatus*; J. Li, 1993, Studies on fauna and ecogeography of soil animals: 43
*Tachinus* (s.str.) *bipustulatus*; L.-Z.Li, 1995, The Japanese Journal of Systematic Entomology, I(1): 58
*Tachinus* (s.str.) *bipustulatus*; Schülke, 1995, Koleopterologische Rundschau, 65: 37

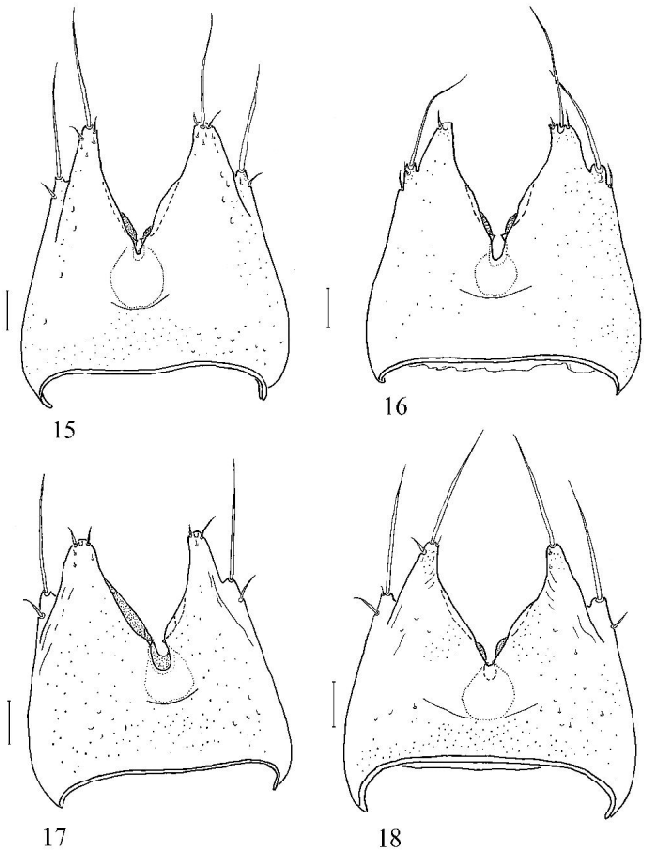
**Material. RUSSIA: AMUR AREA:** 1 female: Selemdzhinskiy District, near Selemdzhinsk, road to Fevralsk, 30.06.1976, I.M.Vyshynskiy leg. (EV).—1 male: Zeyskiy Nature Reserve, «52nd km» cordon, 08.07.1978 S.A.Kurbatov & V.V.Belov leg. (EV).—1ex: Selemdzhinskiy District, Ekimchan Town, 27.08.1979, O.N.Kabakov leg. (ZIN).—**SAKHALIN AREA:** 1 male: [S Kuriles,] NE Kunashir Island, Zolotoy Rill, 24.09.1981, O.N.Kabakov leg. (ZIN).—**?CHINA:** 1 female: Dugan Shan, Tzan' Lin', 10.08.1896, Komarov leg. (ZIN).

**Remarks.** *T. bipustulatus* has been known from Europe, except the southern territories (Ullrich 1975), also from Cyprus, Syria (Baudi 1870), E Siberia (Baikal) (Ullrich l.c.), vicinity of Khabarovsk (Schülke 1995), the Maritime Province (Ullrich l.c., Schülke l.c.), NE China (J.Li 1993), and Japan (L.-Z.Li 1995). This species is recorded here from the N Amur basin and the Kunashir Island for the first time.

***Tachinus* (s.str.) *elegans* Eppelsheim, 1893**

*Tachinus elegans* Eppelsheim, 1893, Deutsche Entomologische Zeitschrift, 1: 45
*Tachinus* (s.str.) *elegans*; Ullrich, 1975: 103
*Tachinus* (s.str.) *elegans*; Veselova, Ryvkin, 1991, Biological Resources and Biocenoses of the Yenisey Taiga: 184
*Tachinus* (s.str.) *elegans*; Schülke, 1989, Entomologische Nachrichten und Berichte, 33(5): 230

**Material. AMUR AREA:** 1ex: Selemdzhinskiy District, source of Selemdzha River: Deremikan River, 03.08.1979, O.N.Kabakov leg. (ZIN).—**KHABAROVSK TERRITORY:** 1ex: Badzhalskiy Mt. Ridge, Darya River, 01.09.1965, O.N.Kabakov leg. (ZIN).—1ex: Amgun River, upper reaches of Marukil River, 20.08.1975, O.N.Kabakov leg. (ZIN).—4ex: Bureinskiy Mt. Ridge, Kuiuk River, 1500 m a.s.l. 15.07.1976, O.N.Kabakov leg. (ZIN).—3 males: Verkhnebureinskiy District, Bureinskiy Nature Reserve, buffer zone, near «Strelka» cordon, left side of Umal'ta-Makit River, 570 m a.s.l., rotten geophilous gill fungi on steep slope, 17.09.2006, AR leg. (EV).—1 female: Verkhnebureinskiy District, Bureinskiy Nature Reserve, Pravaya Bureya River basin, up-stream of Medvezhye winter hut, 880–1050 m a.s.l., mosses, litter, drift on overgrown rocky slope near rill in steep fold: *Larix gmelinii, Picea ajanensis, Betula ?lanata, B.middendorfii, B.platyphylla, Duschekia* sp., *Pinus pumila, Hylocomium splendens, Pleurozium schreberi, Ptilium crista-castrensis, Dicranum* spp., *Polytrichum commune, P.*sp., *Sphagnum* spp., *Vaccinium vitis-idaea,* etc, 01.08.2007, AR leg. (EV).—1 female: Verkhnebureinskiy District, Bureinskiy Nature Reserve, Pravaya Bureya River basin, below Medvezhye winter hut, 900 m a.s.l., on a road in a larch forest located on a slope with *Picea ajanensis, Vaccinium vitis-idaea, Ledum* sp., etc, 26.07.2007, AR leg. (EV).—1 female: Verkhnebureinskiy District, Bureinskiy Nature Reserve, Pravaya Bureya River basin, road from Medvezhye winter hut to Niman pass, 870–1240 m a.s.l., in geophilous gill fungi, 08.08.2007, AR leg. (EV).—1 female: same locality and date, in bear excrement on a road, AR leg.




**Figures 15–18. —** Male abdominal sternite 8 of *Tachinus* spp. 15–17. *T. rubricollis* Rambousek, 1921 (15, 17: Amur Area: Nora River,. 16: HT of *T. nigriceps mandschuricus* Ullrich, 1975). 18. *T. nigriceps* Sharp, 1888 (Japan: Tsushima). Scale = 0.1 mm.

(EV).—**Sakhalin Area:** 1 female: Central Sakhalin Island, Stlanikovyi Mt. Ridge, Troynoy Rill valley, 50º46'55"N 143º05'50"E, 09–12.07.2003, I.V.Melnik leg. (EV).—**Magadan Area:** 1 male: N Cisokhotia, 10 km N of Splavnaya, 25.08.1981, A.S.Ryabukhin leg. (EV).

**Additional material examined. Tuva Republic:** 1 female: near Toora-Khem, Azas Nature Reserve, 1990–1991, AR leg. (EV).—1 female: Todzhenskiy District, upper reaches of Bol'shoy Yenisey (Biy-Khem) River 3 km up-stream of Kharal River mouth, 1010 m a.s.l., mosses and litter under *Picea obovata* and *Pinus sibirica* in riverside forest with *Maianthemum bifolium*, *Vaccinium vitis-idaea*, *Linnaea borealis*, *Poaceae* gen.spp., *Equisetum* sp., *Pleurozium schreberi*, *Hylocomium splendens*, etc. 10.06.1992. AR leg. (EV).

**Remarks.** According to Ullrich (1975), *T. elegans* has been known from N Scandinavia, E Siberia, the Kamchatka Peninsula and Mongolia, with a range disjunction supposed to be in W Siberia. The species is reported herein from the Amur basin, the N Cisokhotia, and the Sakhalin Island for the first time.

### *Tachinus* (s.str.) *elongatus* Gyllenhal, 1810

*Tachinus elongatus* Gyllenhal, 1810: 251
*Tachinus (Drymoporus) elongatus*; Jakobson, 1909: 527
*Tachinus (Drymoporus)* sp.1; Molodova, 1973, Ekologia pochvennykh bespozvonochnykh: 68
*Tachinus (Drymoporus) elongatus*; Tichomirova, 1973a: 150
*Tachinus* (s.str.) *elongatus*; Campbell, 1973, Memoirs of the Entomological Society of Canada, 90: 34
*Tachinus* (s.str.) *elongatus*; Ullrich, 1975: 255
*Tachinus elongatus*; Schülke, 1989, Entomologische Nachrichten und Berichte, 33(5): 232
*Tachinus elongatus*; J. Li, 1993, Studies on fauna and ecogeography of soil animals: 43
*Tachinus* (s.str.) *elongatus*; L.-Z. Li, 1995, The Japanese Journal of Systematic Entomology, I(1): 55
*Tachinus elongatus*; Kashcheev, 1999, Selevinia 1998–1999: 57

*Tachinus* (s.str.) *elongatus*; Ryabukhin, 1999: 93
*Tachinus elongatus*; Naomi et al., 2000, Natural History Research. Special Issue 7: 103
*Tachinus elongatus;* Sokolov, 2003, Zoologicheskiy Zhurnal, 82(10): 1272

**Material. Amur Area:** 1ex: upper course of Ol'doy River [400–600 m a.s.l.], 27.07.1961, O.N.Kabakov leg. (ZIN).—2 males, 1 female: Zeya Town [200–400 m a.s.l.], UV light, 10–11.06.1978, V.V.Belov & S.A.Kurbatov leg. (EV).—1 female: Selemdzhinskiy District, Norskiy Nature Reserve, Nora River, Maltsevskiy cordon, 210 m a.s.l., near hut, 10.06.2005, EV & AR leg. (EV).—1 male: Mazanovskiy District, Nora River basin, Sorokavyorstnaya Channel, foot of Sosnovaya Mt., 215 m a.s.l., near camp. 30.07.2006, EV & AR leg. (EV).—**Sakhalin Area:** 1 female: [S Sakhalin Island, Chekhov Peak, 520 m a.s.l., *Betula ermanii* forest with undergrowth of *Acer ukurunduense*, *Euonimus sacrosancta*, *Diervilla middendorfiana*, also *Sasa kurilensis*, *Rubus idaeus*, *Vaccinium uliginosum*, etc. 06–10.1968.] „bamboo, sample 13. L.[P.]M.[olodova leg.]" <In Russian>, "*Tachinus (Drymoporus)* sp. I [A.L.Tichomirova det.]" (ZMMU).—1 male: „Sakhalin Island, [W offspur of Chekhov Peak, N aspect, 250 m a.s.l.] *Abies sachalinensis* forest [with *Dryopteris amurensis, Maianthemum bifolium, Cornus canadensis*, L.P.Molodova leg.] 12.07–20.07.1970, #1." <In Russian>, „*Tachinus (Drymoporus)* sp. [A.L.Tichomirova det.]", „*Tachinus kobai* Kano. To verify. [A.L.Tichomirova det.]" <In Russian.> (ZMMU).—**Kamchatka Area:** 1 female: Komandor Islands, Mednyi Island, Glinka sand laida, under drift, 02.07.1983, A.V.Zimenko leg. (EV).—1 male: same locality and collector, motley grass with *Heracleum* sp. 25.07.1983. (EV).

**Additional material examined. BYELORUSSIA: Mogilev Government:** 1 female: No. 78, Collection of N.M.Arnold (ZIN).

**Remarks.** According to the last revisions of the genus *Tachinus* (Campbell 1973; Ullrich 1975), *T. elongatus* is widely distributed in northern and temperate areas of the Holarctic. The northernmost finds of this species (70º04'N) are cited for the southern tundra of W Taimyr (Sokolov 2003). In the southern parts of the range, e.g. in the Alps (Ullrich l.c.), the Caucasus (Ullrich l.c.; Schülke 1989), mountains of Central Asia (Kashcheev 1999; Ullrich l.c.; Schülke l.c.), Mongolia (Ullrich l.c.), NE China (J.Li 1993), the Hokkaido Island (L.-Z.Li 1995), mountains of Colorado, Vermont, New York State, and New Hampshire (Campbell l.c.), this species is represented by isolated mountain populations. Ullrich (l.c.) supposed a large longitude disjunction between Western and Eastern Palaearctic populations of *T. elongatus*, though his citations for Komi, Salekhard (lower reaches of the Ob River), Tobolsk, Baikal, etc confirm the continual distribution of the species in northern and temperate latitudes of Eurasia. I record *T. elongatus* here from the Mogilev Area, Sakhalin, and the Komandor Islands for the first time. In the N Amur basin this species was collected on plains and in low mountains.

### *Tachinus* (s.str.) *exiguus* Veselova, 1993 sp. propria?

*Tachinus* (s.str.) *exiguus* Veselova, 1993, Russian Entomological Journal, 1 (2): 35
*Tachinus* (s.str.) *kabakovi* (pars); Schülke, 2004, Linzer biologische Beiträge, 36(2): 953

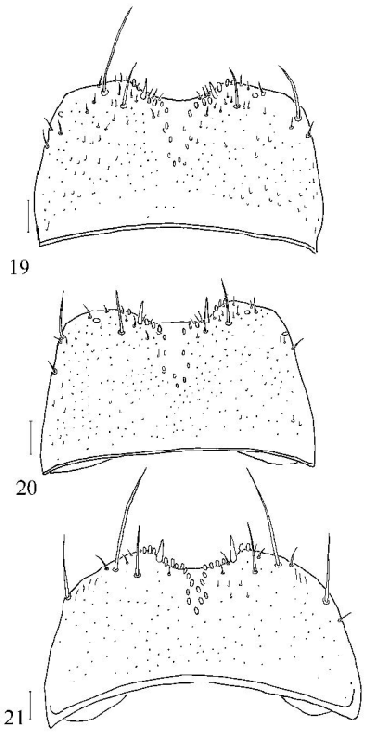
**Material. Amur Area:** 2 females: upper course of Ol'doy River, 24.09.1958, O.N.Kabakov leg. (EV).—1 male: Skovorodino District, Ul'ruchi, 10.06.1959, O.N.Kabakov leg. (EV).—1 male: Skovorodino District, Bol'shoy Never River, 25.08.1961, O.N.Kabakov leg. (EV).—2 males: Ekimchan, 27–30.08.1979, O.N.Kabakov leg. (EV).—2 males: Zeyskiy Nature Reserve, „Tyoplyi Klyuch" cordon, 12.06.1978, V.V.Belov & S.A.Kurbatov leg. (EV).—1 female: Zeyskiy Nature Reserve, «52nd km» cordon, 03.08.1978, V.V.Belov & S.A.Kurbatov leg. (EV).—2 females: Mazanovskiy District, Nora River basin, Sorokavyorstnaya Channel, lower reaches of Zolotoy Rill, 225 m a.s.l., rotten cep, 01.08.2006, EV & AR leg. (EV).—1 male: Selemdzhinskiy

District, Byssa River basin NW of „Tyoplyi Klyuch" spa, 300 m a.s.l., near hut, 15.06.2007, EV & AR leg. (EV).

**Additional material examined. Tuva Republic:** 1 female: Ulug-Khemskiy District, near Ishtiy-Khem Village, in *Polyporus sulfureus*, No.160, 05.08.1973, V.A.Pototskaya leg. (EV).

**Remarks.** I have described the continental species *T. exiguus*, closely related to the insular *T. kabakovi* Veselova, 1990, known from the holotype ( male) and the single paratype ( female). Schülke (l.c.) has seen the holotype of *T. exiguus* ( male), the paratype of *T. kabakovi* and some specimens from the Chita Area and Zeya (Amur Area). It was impossible to examine the single known male of *T. kabakovi* (ZIN) to compare with the type male of *T. exiguus*, because the former could not been found due to a great disorder in the collection of the Zoological Institute, St.-Petersburg. Schülke considered the paratype of *T. kabakovi* to be conspecific to the *Tachinus* females from Chita Area and put *T. exiguus* in the synonymy of *T. kabakovi*. This decision seems to have not sufficient justification, because females of closely related species in this group are often very difficult to distinguish. Unfortunately, no males of *T. kabakovi* from the type locality are available now.

I assume *T. exiguus* to be widely distributed in E Siberia and the Far East. It has been known from both Russia (Amur Area, Chita Area, Buryatia Republic) and NE Mongolia. It is recorded here from Tuva Republic for the first time.




**Figures 19–21. —** Male abdominal sternite 7 of *Tachinus* spp. 19–20. *T. rubricollis* Rambousek, 1921 (19: HT of *T. nigriceps mandschuricus* Ullrich, 1975, 20., Amur Area: Nora River). 21. *T. nigriceps* Sharp, 1888, (Japan: Tsushima). Scale =0.1 mm.

### *Tachinus* (s.str.) *gelidus* Eppelsheim, 1893

*Tachinus gelidus* Eppelsheim, 1893, Deutsche Entomologische Zeitschrift, 1: 41
*Tachinus* (s.str.) *gelidus*; Tichomirova, 1973a: 150

*Tachinus luridus* Sharp, 1888, The Annals and Magazine of natural History, Ser.6, 2(11): 381

*Tachinus* (s.str.) *sharpi* Bernhauer & Schubert, 1916: 486

*Tachinus* (s.str.) *sharpi*; Ullrich, 1975: 227
*Tachinus sharpi*; Filatova, 1983, Teoretiko-grafovyie metody v biogeograficheskikh issledovaniyakh: 73
*Tachinus sharpi*; Schülke, 1995, Koleopterologische Rundschau, 65: 37

**Material. Chita Area:** 1 female: Shevya, 10.08.1977, V.V.Zherikhin leg. (EV).—**Amur Area.**—2ex: Skovorodinskiy District Ul'ruchi, 10.06.1959, O.N.Kabakov leg. (ZIN).—1ex: same locality, 15.06.1969, O.N.Kabakov leg. (ZIN).—1ex: Skovorodinskiy District Bol'shoy Never River, 25.08.1961, O.N.Kabakov leg.

(ZIN).—1 male: Zeyskiy Nature Reserve, Soktakhan Mt. Ridge, 06.06.1978, V.V.Belov & S.A.Kurbatov leg. (EV).—1 male, 2 females: Zeyskiy Nature Reserve, „Tyoplyi Klyuch" cordon, 12.06.1978, V.V.Belov & S.A.Kurbatov leg. (EV).—1 female: same locality and collectors, 16.06.1978. (EV).—1 female: Mazanovskiy District, Nora River, bank of Sorokavyorstnaya Channel, under foot of rocky NE slope of Maltsevskaya Mt., day flight, 12.06.2005, EV & AR leg. (EV).—1 male: Selemdzhinskiy District, Norskiy Nature Reserve (buffer zone), right side of Meun River, near mouth, rotten ceps in *Picea ajanensis* forest with *Abies nephrolepis, Populus* spp., *Maianthemum bifolium, Trientalis europaea, Equisetum pratense, E. sylvaticum, Hylocomium splendens, Pleurozium schreberi,* etc. 11.07.2005, AR leg. (EV).—3 males, 2 females: Mazanovskiy District, Nora River basin, Sorokavyorstnaya Channel, Sosnovaya Mt., 215 m a.s.l., rotten geophilous fungi, 30.07.2006, EV & AR leg. (EV).—1 female: Mazanovskiy District, Nora River basin, Sorokavyorstnaya Channel, lower reaches of Zolotoy Rill, 225 m a.s.l., rotten cep, 01.08.2006, EV & AR leg. (EV).—**Sakhalin Area:** 1 female: S Kuriles, Kunashir Island, near Yuzhno-Kurilsk, 07.08.1981, O.N.Kabakov leg. (ZIN).—1 female: S Kuriles, NE Kunashir, Zolotoy Rill, 22.09.1981, O.N.Kabakov leg. (ZIN).—2 females: S Kuriles, Kunashir Island, Mendeleyevo, 27.06.1985 and 06.07.1985, N.B.Nikitskiy leg. (EV).—5 males, 4 females: S Sakhalin Island, 3 km WNW Lesnoye, Ochepukha River valley, 46º54'45"N 143º02'32"E, 19–20.06.2003, I.V.Melnik leg. (EV).

**Additional material examined. Altai Territory:** 1 male: near Onguday Village, forest belt, leaf litter, 10.06.1989, S.V.Saluk leg. (EV).—1 female: near Onguday Village, 11.06.1989, S.V.Saluk leg. (EV).

**Remarks.** *T. gelidus* has been known from C & E Siberia (Baikal, Irkutsk Area), Maritime Province, (Ullrich 1975), Khabarovsk Territory (Schülke 1995), N Mongolia, NE China, S Korea, and Japan (Ullrich l.c.). It is recorded here for Altai, the N Amur basin, the Sakhalin and Kunashir islands for the first time. This species seems to be continuously distributed from Altai to the Kurils and Japan. As far as I know, the E part of the range does not stretch northwards of the Amur River basin.

### *Tachinus* (s.str.) *jacuticus jacuticus* Poppius, 1904

*Tachinus jacuticus* Poppius, 1904, Öfversigt af Finska Vetenskaps-Societetens Förhandlingar, 46(16): 2
*Tachinus* (s.str.) *jacuticus*; Tichomirova, 1973a: 150
*Tachinus* (s.str.) *jacuticus jacuticus*; Ullrich, 1975: 105
*Tachinus* (s.str.) *jacuticus jacuticus*; Campbell, 1988, The Canadian Entomologist, 120: 256
*Tachinus nearcticus* Campbell, 1973, Memoirs of the Entomological Society of Canada, 90: 69

**Material. Amur Area:** 1 female: Zeyskiy Nature Reserve, „34-th km" cordon, 23.06.1978, V.V.Belov & S.A.Kurbatov leg. (EV).

**Additional material examined. Buryatia Republic:** 1 male: [Transbaikalia], Bol'shoy Amalat River, 06.07.1968, O.N.Kabakov leg. (EV).

**Remarks.** *T. jacuticus jacuticus* has been known from European Russia (N and Centre), Siberia, the Russian Far East, Mongolia, mountains of Central China (Ullrich 1975), also from N America: N Alaska, Yukon and NW Territories (Campbell 1988). A single find is reported for the N Amur River basin (Ullrich l.c.).

### *Tachinus* (s.str.) ?*kabakovi* Veselova, 1990

*Tachinus* (s.str.) *kabakovi* Veselova, 1990, Vestnik Zoologii, 3: 13
*Tachinus* (s.str.) *kabakovi* (pars); Schülke, 2004, Linzer biologische Beiträge, 36(2): 953

**Material.** 1 male, 1 female: **Khabarovsk Territory:** Verkhnebureinskiy District,

Dublikanskiy Nature Refuge, right side of Dublikan River, flood-plain, 350 m a.s.l., near cordon, in geophilous and epigenous fungi, 23.08.2008, AR leg. (EV).

**Remarks.** The specimens mentioned above closely resemble *T. kabakovi* from the type locality and evidently differ from *T. exiguus* (see above), but I write „*kabakovi*" with a question mark on the label. It is necessary to see more males from the same locality and from the Kunashir Island to evaluate the variability.

***Tachinus* (s.str.) *marginatus* (Fabricius, 1793)**

*Oxyporus marginatus* Fabricius, 1793: 532
*Tachinus marginatus*; Ganglbauer, 1895: 342
*Tachinus* (s.str.) *marginatus*; Horion, 1967: 76
*Tachinus* (s.str.) *marginatus*; Tichomirova, 1973a: 150
*Tachinus* (s.str.) *marginatus*; Ullrich, 1975: 118
*Tachinus* (s.str.) *marginatus*; Schülke, 1989, Entomologische Nachrichten und Berichte, 33(5): 230
*Tachinus marginatus*; Kashcheev, 1999, Selevinia 1998–1999: 57

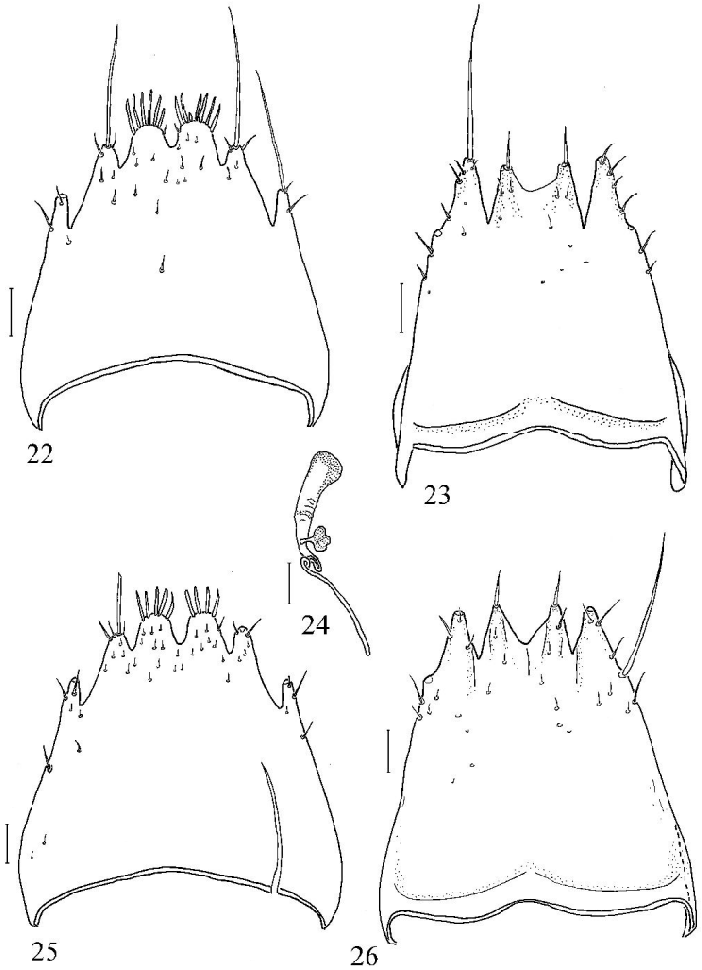
**Material. Chita Area:** 1 male: Kuenga River, Shev'ya, 26.08.1977, V.G.Kovalev & V.V.Zherikhin leg. (EV).—1 female: Ukurey, 06.08.1977, V.G.Kovalev leg. (EV).—**Amur Area:** 2ex: lower reaches of Ol'doy River, 09.08.1958, O.N.Kabakov leg. (ZIN).—1ex: Skovorodinskiy District, Yankan, 01.07.1959, O.N.Kabakov leg. (ZIN).—3ex: Svobodnyi, 22.07.1970, O.N.Kabakov leg. (ZIN).—2 females: Zeya Town, 22.06.1978, V.V.Belov & S.A.Kurbatov leg.—1 female: near Zeya Town, UV light, 23.07.1978, V.V.Belov & S.A.Kurbatov leg.—1 female: Zeyskiy Nature Reserve, «52nd km» cordon, 13.07.1978, V.V.Belov & S.A.Kurbatov leg.—1 female: same locality, 19.07.1978, V.V.Belov & S.A.Kurbatov leg.—5ex: Selemdzhinskiy District, Ekimchan, 26–30.08.1979, O.N.Kabakov leg. (ZIN).—1 female: Selemdzhinskiy District, Norskiy Nature Reserve, right bank of Nora River, near Meunskiy cordon, shingle, silt, clay, mosses and leaf litter under *Salix sp*. and *Alnus sp*. 20.08.2004, AR leg. (EV).— **Khabarovsk Territory:** 1ex: Komsomolskiy District, Evur River, 22.09.1957, O.N.Kabakov leg. (ZIN).—1 female: Verkhnebureinskiy District, Bureinskiy Nature Reserve, Pravaya Bureya River basin, road from Medvezhye winter hut to Niman pass, 870–1240 m a.s.l., in bear excrement on road, 08.08.2007, AR leg. (EV).

**Remarks.** *T. marginatus* is distributed from N and Central Europe in the West to the Russian Far East in the East (Ullrich 1975). It is also recorded for Kazakhstan (Kashcheev 1999), Mongolia, China and the Korean Peninsula (Ullrich l.c.). It is unknown from Japan (L.-Z.Li 1995). Ullrich (l.c.) mentioned several finds of the named species from the N Amur River basin. Ganglbauer (1895), Horion (1967), and Tichomirova (1973a) cited the species for the Caucasus. Neither Ullrich's (l.c.) nor my material studied confirm these records which seem to be misidentifications of *T. cingulatus* Solsky, 1864 resembling *T. marginatus* in appearance.

**[*Tachinus* (s.str.) *pallipes* (Gravenhorst, 1806)]**

*Tachyporus pallipes* Gravenhorst, 1806: 20
*Tachinus pallipes* (pars); Fauvel, 1875: 586
*Tachinus* (s.str.) *pallipes* (pars); Bernhauer & Schubert, 1916: 484
*Tachinus* (s.str.) *pallipes* (pars); Tichomirova, 1973a: 150
*Tachinus* (s.str.) *pallipes pallipes*; Ullrich, 1975: 111
*Tachinus* (s.str.) *pallipes*; Babenko, 1982, Poleznyie i vrednyie nasekomyie Sibiri: 55
*Tachinus* (s.str.) *pallipes*; Babenko, 1993, Siberian Biological Magazine, 1: 28
*Tachinus pallipes*; J.Li, 1993, Studies on fauna and ecogeography of soil animals: 43
*Tachinus pallipes*; Schülke, 1995, Koleopterologische Rundschau, 65: 37
*Tachinus pallipes*; Kashcheev, 1999, Selevinia 1998–1999: 57

**Remarks.** *T. pallipes* is widely distributed in Europe, reported also from the Middle Ural and




**Figures 22–26. —** Female structures of *Tachinus* spp. 22–24: *T. rubricollis* Rambousek, 1921 (Amur Area: Nora River, 22: abdominal sternite 8, 23: abdominal tergite 8, 24: spermatheca). 25–26: *T. nigriceps* Sharp, 1888 (Kunashir Island, 25: abdominal sternite 8, 26: abdominal tergite 8). Scale = 0.1 mm.

Siberia up to Yakutsk (Ulrich 1975), from the Kamchatka Peninsula (Schülke 1995), the Caucasus (Tichomirova 1973a), NE Kazakhstan (Kashcheev 1999), NE China (J.Li 1993). The citations for N America (Fauvel 1875; Bernhauer & Schubert 1916; Tichomirova l.c.; etc) pertain to *T. frigidus* Erichson, 1839 in fact (Campbell 1973).

I had identified as *T. pallipes* some specimens from the Amur Area, Khabarovsk Territory, and Maritime Province before 1990 (the material is deposited in Kabakov Collection, ZIN). I believe the eastern records to belong either to the very close *T. rishirianus* or to *T. bernhaueri* Luze, 1901. It is necessary to revise the material to exclude any confusion.

***Tachinus*** (s.str.) ***rishirianus*** **Watanabe et Shibata, 1965, sp.propria**

*Tachinus* (s.str.) *rishirianus* Watanabe et Shibata, 1965, Kontyû, 33(3): 322
*Tachinus* (s.str.) *rishirianus*; Tichomirova, 1973a: 150

*Tachinus* (s.str.) *pallipes rishirianus*; Ullrich, 1975: 113
*Tachinus* (s.str.) *pallipes rishirianus*; L.-Z.Li, 1995, The Japanese Journal of systematic entomology, 1(1): 56
*Tachinus* (s.str.) *pallipes pallipes*; Ryabukhin, 1999: 90
*Tachinus* (s.str.) *pallipes rishirianus*; Herman, 2001, Bulletin of the American Museum of Natural History, 265: 974
*Tachinus* (s.str.) *pallipes rishirianus*; Smetana, 2004: 347

**Material. Amur Area:** 1 female: Komusun River, 1000 m a.s.l. 30.08.1979, O.N.Kabakov leg. (ZIN).—**Sakhalin Area:** 1 female: Central Sakhalin Island, Stlanikovyi Mt. Ridge, source of Tym' River near mouth of Troynoy Rill, 50°45'52"N 143°07'17"E, 13–15.07.2003, I.V.Melnik leg. (EV).— **Magadan Area:** 1 male: N Cisokhotia, 35 km N of Magadan, 19.08.1981, A.Lebedev leg. (EV).—1 male, 2 females: N Cisokhotia, 10 km N of Splavnaya, in soil and leaf litter near decaying body of *Oncorhynchus keta*, 25.08.1981, A.S.Ryabukhin leg. (EV).—12 males, 20 females: same locality, 25–28.08.1981, A.S.Ryabukhin leg. (EV).

**Remarks.** *T. rishirianus* was originally described from Japan (the Rishiri Island near Hokkaido). Ullrich (1975) considered it to be similar to the continental *T. pallipes* in both general appearance and the shape of the aedeagus, and supposed the geographically defined island population to be a subspecies of the latter. *T. rishirianus* had been known from the terra typica only, but it was cited recently for the Daisetsuzan Mts. on the Hokkaido Island (L.-Z.Li 1995) also. I report it here from the Sakhalin Island and the Asian mainland (the N Amur basin and N Cisokhotia) for the first time. This species was recorded for the latter location (Ryabukhin 1999) as *T. pallipes pallipes* basing on my old misidentification. My present study proves Ryabukhin's series to be *T. rishirianus*. According to Ullrich's redescriptions and figures, and also to my own data, both the species differ significantly in the coloration of elytra, the ground sculpture of pronotum, elytra and abdomen, the puncturation of abdominal tergites, the shape of aedeagus and terminalia. The distinctions are stable, intermediate forms are unknown, and there is a distinct hiatus between both taxa. The reasons provided make it possible to consider *T. rishirianus* as a good species. *T. rishirianus* may be regarded as an eastern vicariant of *T. pallipes*.

### *Tachinus* (s.str.) *setosus* Ullrich, 1975

*Tachinus* (s.str.) *setosus* Ullrich, 1975: 223
*Tachinus* sp.2; Molodova, 1973, Ekologia pochvennykh bespozvonochnykh: 68

**Material. Amur Area:** 1 male: upper course of Bol'shoy Ol'doy River, 01.08.1958, O.N.Kabakov leg. (EV).—1 female: same locality 25.07.1961, O.N.Kabakov leg. (EV).—1 female: same locality 01.08.1961, O.N.Kabakov leg. (EV).—3 females, 2 males: Zeyskiy Nature Reserve, «52nd km» cordon, 08.07–26.07.1978, V.V.Belov & S.A.Kurbatov leg. (EV).—3 males: Kumusun River, 30.07.1979, O.N.Kabakov leg. (EV).—2 females: Selemdzhinskiy District, Selemdzha River basin, Angelokit River, near mouth, 52°53.49'N132°24.5'E, 420 m a.s.l., bracket-fungus on fallen dead trunk of *Betula platyphylla*, 04.07.2007, EV & AR leg. (EV).—**Khabarovsk Territory:** 1 male: Badzhal Mt. Ridge, Darya River, 01.09.1965, O.N.Kabakov leg. (EV).—1 male, 1 female: Bureinskiy Mt. Ridge, source of Kuiuk River, 1500 m a.s.l. 15.07.1976, O.N.Kabakov leg. (EV).—1 female: Verkhnebureinskiy District, Bureinskiy Nature Reserve (buffer zone), near «Strelka» cordon, left side of Umal'ta-Makit River, 570 m a.s.l., rotten geophilous gill fungi on steep slope, 17.09.2006, AR leg. (EV).—1 female: Verkhnebureinskiy District, Bureinskiy Nature Reserve, Pravaya Bureya River basin below Medvezhye winter hut, 900 m a.s.l., mosses and litter on overgrown steep rocky slope near road: *Betula* sp., *Picea ajanensis, Duschekia* sp., *Rhododendron dauricum, Vaccinium vitis-idaea, Poaceae* gen. spp., *Carex* spp., *Hylocomium splendens, Pleurozium schreberi, Dicranum* spp., *Polytrichum* spp., *Sphagnum* spp., *Ptilium crista-castrensis*, etc, 21.07.2007,

AR leg. (EV).—**Sakhalin Area:** 1 female: Sakhalin Island, Sakhalin River, 17.06.1985, N.B.Nikitskiy leg. (EV).—1 male: „Sakhalin, [W offspur of Chekhov Peak, N aspect, 250 m a.s.l.] *Abies sachalinensis* forest [with *Dryopteris amurensis, Maianthemum bifolium, Cornus canadensis*.] 20.07.–10.08.1970. L.P.Molodova leg." <In Russian>, „*Tachinus* sp. II. [A.L.Tichomirova det.]" (ZMMU).

**Additional material examined. Buryatia Republic:** 1 female: [Transbaikalia], Bol'shoy Amalat River, 06.08.1968, O.N.Kabakov leg. (EV).—**Tuva Republic:** 1 female: Ulug-Khemskiy District, near Ishtiy-Khem Village, in *Polyporus sulfureus*, No.165, 05.08.1973, V.A.Pototskaya leg. (EV).—1 male, 1 female: Tandinskiy District, near Durgen Village, No.27, in rotten geophilous fungus, 18.07.1988, EV leg. (EV).—**Krasnoyarsk Territory:** 1 female: Turukhanskiy District, Bakhta River basin, near Keteollo Lake, in rotten orange-cap boletus. 12.08.1992. AR leg. (EV).

**Remarks.** *T. setosus* has been known from the male Holotype only (terra typica: Irkutsk). The species is closely related to *T. basalis* Erichson, 1839 and may be confused with the latter because of some variability. An additional material is necessary to delimit the two species more carefully. I report *T. setosus* here for Tuva Republic, Krasnoyarsk Territory, Buryatia Republic, the Russian Far East (Amur Area, Khabarovsk Territory, Sakhalin Area) for the first time. „*Tachinus* sp.2" mentioned by Molodova (1973) from Sakhalin is in fact *T. setosus*.

### *Tachinus* (s.str.) *sibiricus* Sharp, 1888

*Tachinus sibiricus* Sharp, 1888, The Annals and Magazine of natural History, Ser.6, Vol. 2(11): 383
*Tachinus* (s.str.) *sibiricus*; Tichomirova, 1973a: 150
*Tachinus* (s.str.) *sibiricus*; Ullrich, 1975: 168
*Tachinus sibiricus*; Filatova, 1983, Teoretiko-grafovyie metody v biogeograficheskikh issledovaniyakh: 73
*Tachinus sibiricus*; Li, J. 1992: 55
*Tachinus sibiricus*; Li, J. 1993, Studies on fauna and ecogeography of soil animals: 43
*Tachinus* (s.str.) *sibiricus*; Li, L.-Z. 1995, The Japanese Journal of Systematic Entomology, 1(1): 62
*Tachinus sibiricus*; Schülke, 1995, Koleopterologische Rundschau, 65: 37
*Tachinus sibiricus*; Semenov, 1998, Archives of Zoological Museum Moscow State University: 8
*Tachinus sibiricus*; Schülke, 2003, Entomologische Blätter, 98(3): 178
*Tachinus nigerrimus*; Kryzhanovskiy *et al.*, 1973, Ekologia pochvennykh bespozvonochnykh: 147
*Tachinus* (s.str.) *nigerrimus* (pars); Tichomirova, 1973a: 150
*Tachinus nigerrimus*; Molodova, 1973, Ekologia pochvennykh bespozvonochnykh: 68
*Tachinus nigerrimus*; Kurcheva, 1977: 66

**Material. Amur Area:** 1ex: Uliagir, W of Skovorodino, 20.06.1959, O.N.Kabakov leg. (ZIN).—1 female: Selemdzhinskiy District, Selemdzhinsk, 270–280 m a.s.l., in cow dung (2 days), 08.08.1976, EV & AR leg. (EV).—2 males, 1 female: same locality, fungus bait (3 days), 08.08.1976, EV & AR leg. (EV).—1 male, 1 female: Zeyskiy Nature Reserve, „Tyoplyi Klyuch" cordon, 12.06.1978, V.V.Belov & S.A.Kurbatov leg. (EV).—1 female: same locality and collectors, 16.06.1978, (EV).—2 males: Zeyskiy Nature Reserve, 07.08.1978, V.V.Belov & S.A.Kurbatov leg. (EV).—1 female: near Zeya Town, Soktakhan Mt. Ridge, 06.06.1978, V.V.Belov & S.A.Kurbatov leg. (EV).—1 female: Zeyskiy Nature Reserve, „52nd km" cordon, 12.07.1978, V.V.Belov leg. (EV).—1 male: Selemdzhinskiy District, Norskiy Nature Reserve, Selemdzha River basin, near Dvadtsatikha cordon, in geophilous and epigenous gill and pore fungi, 08.08.2004, AR leg. (EV).—1 female: Selemdzhinskiy District, Norskiy Nature Reserve, Nora River basin, near Maltsevskiy cordon, Maltsevskoye Lake, evening flight in aspen forest, 11.06.2005, EV & AR leg. (EV).—1 female: Mazanovskiy District, Nora River, bank of Sorokavyorstnaya Channel, at the bottom of a rocky NE slope of Maltsevskaya Mt., day flight, 12.06.2005, EV & AR leg. (EV).—1 female: Selemdzhinskiy District,

Norskiy Nature Reserve, Selemdzha River basin, near Dvadtsatikha cordon, flight in sparse forest with *Betula davurica, Larix gmelinii*, young *Corylus mandshurica* and *Tilia amurensis, Poaceae* gen. spp., *Carex* spp., *Iris* sp., *Pteridium aquilinum* and other ferns, *Equisetum pratense, Rubus arcticus, Filipendula palmata, Hemerocallis* sp., *Chamaenerion angustifolium, Sanguisorba* sp., *Fabaceae gen.* spp., *Fragaria* sp., *Rosa* sp., *Geranium* sp., *Dictamnus dasycarpus,* etc (old fire-site), 27.06.2005, EV & AR leg. (EV).—1 female: Selemdzhinskiy District, Norskiy Nature Reserve, lower reaches of Chervinka River, in rotten cep, 04.07.2005, EV & AR leg. (EV).—1 female: Selemdzhinskiy District, Norskiy Nature Reserve, Nora River basin, near Meunskiy cordon, sweeping on *Rhododendron* sp. 10.07.2005, AR leg. (EV).—9 males, 6 females: Selemdzhinskiy District, Norskiy Nature Reserve (buffer zone), right side of Meun River, near mouth, rotten ceps in *Picea ajanensis* forest with *Abies nephrolepis, Populus* spp., *Maianthemum bifolium, Trientalis europaea, Equisetum pratense, E. sylvaticum, Hylocomium splendens, Pleurozium schreberi,* etc, 11.07.2005, AR leg. (EV).—1 female: Selemdzhinskiy District, Norskiy Nature Reserve, Selemdzha River basin, near Dvadtsatikha cordon, in flight, in burnt sparse larch forest, 26.06.2005, EV & AR leg. (EV).—1 female: Mazanovskiy District, right side of Selemdzha River between Nora River mouth and Ust'-Norskaya mountain, Lodochnikova channel, 215–230 m a.s.l., in geophilous gill fungi, 14.08.2006, EV & AR leg. (EV).—1 female: Mazanovskiy District, Nora River basin, Sorokavyorstnaya Channel, Sosnovaya Mt., 215 m a.s.l., in geophilous gill fungi, 30.07.2006, EV & AR leg. (EV).—1 male, 3 females: Mazanovskiy District, Nora River basin, Sorokavyorstnaya Channel, lower reaches of Zolotoy Rill, 225 m a.s.l., rotten cep, 01.08.2006, EV & AR leg. (EV).—2 males, 2 females: Selemdzhinskiy District, Norsk, bank of Aldikon River, 200 m a.s.l., in geophilous gill fungi, 16.08.2006, EV & AR leg. (EV).—1 male: Selemdzhinskiy District, Norskiy Nature Reserve, Selemdzha River basin, 1.5 km NE of Dvadtsatikha cordon, 223 m a.s.l., in geophilous gill fungi, 18.08.2006, EV & AR leg. (EV).—1 female: Selemdzhinskiy District, Byssa River 10 km below „Tyoplyi Klyuch" spa, 290 m a.s.l., near hut, 03.06.2007, EV & AR leg. (EV).—1 male: Selemdzhinskiy District, right side of Byssa River about 2 km up-stream of Kukuya Rill mouth, 310 m a.s.l., swamp near flood-plain lake: *Ledum palustre, Vaccinium uliginosum, Salix* sp. (bushes), *Chamaedaphne calyculata, Spiraea* spp., *Rosa* sp., *Poaceae* gen. spp., *Carex* spp., *Rubus arcticus, Sphagnum* spp., etc: evening flight, 07.06.2007, EV & AR leg. (EV).—1 male: Selemdzhinskiy District, right side of Byssa River near „Tyoplyi Klyuch" spa, near crossing, 300 m a.s.l., evening flight, 16.06.2007, EV & AR leg. (EV).—2 males: Selemdzhinskiy District, Byssa River basin NW of „Tyoplyi Klyuch" spa, 300 m a.s.l., bracket-fungi on stubs and dead fallen trunks of *Betula platyphylla,* 21.06.2007, EV & AR leg. (EV). —**Jewish Autonomous Area:** 1 male, 1 female: Obluchenskiy District, SE of Radde, Dichun River basin, about 4 km up-stream of the mouth, canyon of right confluent, in cow dung, 08.08.1977, AR leg. (EV).—1 male:, Obluchenskiy District, SE of Radde, Dichun River, about 5 km up-stream of the mouth, fungi and leaf litter thereunder, 11.08.1977, AR leg. (EV).—2 males: Obluchenskiy District, SE of Radde, Amur River, Pompeyevka frontier post, fungus bait, 17.08.1977, AR leg. (EV).—5 males, 3 females: Obluchenskiy District, SE of Radde, Dichun River valley, about 3 km up-stream of the mouth, 06.08–03.09.1978, V.V.Belov leg. (EV). —**Khabarovsk Territory:** 1ex: Komsomolskiy District, Kondon, 25.09.1957, O.N.Kabakov leg. (ZIN).—1ex: upper course of Simka River, to NW of Khabarovsk, 04.10.1978, O.N.Kabakov leg. (ZIN).—1ex: S Kukana, to NW of Khabarovsk, 07.10.1979, O.N.Kabakov leg. (ZIN). —4ex: Ussuri River basin, district of Bikin, Birskoye, 13.06–10.07.1958, O.N.Kabakov leg. (ZIN). —**Maritime Province:** 4 males: „42", „*Tachinus nigerrimus*? Solsky [Tichomirova det.]", underside: „very close, to translate Luze! In ZIN – 1 female" <In Russian.> (ZMMU, A.L.Tichomirova collection).—1 male: „27" (ZMMU, A.L.Tichomirova collection).—**Sakhalin Area:** 1 male: Sakhalin Island, Chekhova Mt., in leaf litter, 28.07.1968, L.P.Molodova leg. (EV).—2 males, 2 females: S Kuriles, NE Kunashir Island, Zolotoy Rill, 22–24.09.1981, O.N.Kabakov leg.

(ZIN).—1 female: S Kuriles, Kunashir Island, Mendeleyevo, 21.06.1985, N.B.Nikitskiy leg. (EV).—1 male: S Kuriles, Kunashir Island, Tretyakovo, 15.07.1990, S.V.Kazantsev leg.—1 male: S Kuriles, Kunashir Island, Ozernaya River valley, 120 m a.s.l., 43º52'N 145º28'E, 16.07.2008 K.V.Makarov leg. (EV).

**Additional material examined. Moscow Area:** 1 female: Istrinskiy District, near Pavlovskaya Sloboda, in forest, pitfalls, 13.06.1988, K.V.Makarov leg. (EV).—**Krasnoyarsk Province:** 1 male, 2 females: Shushenskoye, pine forest, gill fungus, 30.07.1980, S.L.Yesyunin leg. (P.Durmanov collection, Perm).

**Remarks.** *T. sibiricus* has been known from Austria (Ullrich 1975), Slovenia (Schülke 2003), Moscow Area (Semenov 1998; original citation here), also from the Russian Far East (Ullrich l.c.; Schülke 1995; etc), E Siberia, Mongolia, N Korea (Ullrich l.c.), NE China (J.Li 1992, 1993), and Japan (L.-Z.Li l.c.). It is cited here for the Kuriles and the Sakhalin Island for the first time.

The species has been ignored or the Far Eastern distribution has been omitted in the Catalogue by Tichomirova (1973a), papers by Kryzhanovskiy *et al*. (1973), Molodova (1973), and Kurcheva (1977) (i.e. in the issues where the identifications by Tichomirova have been used) dealing with the material from the Russian Far East. At the same time, *T. nigerrimus* Solsky, 1864, closely related to the species under discussion, has been mentioned in the articles listed. Recently I have found in the Far Eastern box of Tichomirova collection 5 males with her original numbered geographical labels; the whole series was provided with determinative label in Tichomirova's hand: „*Tachinus nigerrimus?* Solsky". All the specimens, as well as 1 female collected by Molodova on Sakhalin and deposited in my collection, proved to be good *T. sibiricus*. The material cited makes it possible to regard *T. nigerrimus* as a Caucasian species without amphipalaearctic disjunction in the range.

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