

**The aculeate Hymenoptera in the collection of the
Institute of Zoology of the Academy of Sciences of Azerbaijan, Baku.
Part 1: The mutillid wasps (Mutillidae)**

**Жалящие перепончатокрылые в коллекции
Института зоологии Академии наук Азербайджана (Баку).
Часть 1: Осы-немки (Hymenoptera: Mutillidae)**

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КЛЮЧЕВЫЕ СЛОВА: Mutillidae, осы-немки, фаунистика, бывший СССР.

ABSTRACT: The velvety ant family Mutillidae from the collection of the Institute of Zoology, Baku, Azerbaijan has been found to comprise 16 genera and 48 species, mostly from the Caucasus. Among these, four species are new to the fauna of Azerbaijan: *Dasylabris regalis* (Fabricius, 1793), *D. scutula* Skorikov, 1935, *D. shelkovnikovi* Lelej, 1985, and *Trogaspidia catanensis* (Rossi, 1794). In addition, one species is new to the fauna of the Caucasus: *Dasylabris gobicola* Skorikov, 1935, and one more to the fauna of the former USSR: *Dentilla sabulicola* (Skorikov, 1935). Hitherto unknown *Dentilla cretica* (Nonveiller, 1971), ♀, and *Dasylabris shelkovnikovi* Lelej, 1985, ♂ are described. New synonymy of *Myrmilla calva* Skorikov, 1927 = *M. etzchmiadzini* (Radoszkowski, 1885), syn.n. is proposed.

РЕЗЮМЕ: Осы-немки семейства Mutillidae представлены в коллекции Института зоологии в Баку (Азербайджан) 16 родами и 48 видами, прежде всего с Кавказа. Среди них четыре вида — новые для фауны Азербайджана: *Dasylabris regalis* (Fabricius, 1793), *D. scutula* Skorikov, 1935, *D. shelkovnikovi* Lelej, 1985 и *Trogaspidia catanensis* (Rossi, 1794). Кроме того, один вид — новый для фауны Кавказа: *Dasylabris gobicola* Skorikov, 1935, а еще один — для фауны бывшего СССР: *Dentilla sabulicola* (Skorikov, 1935). Описаны ранее неизвестные *Dentilla cretica* (Nonveiller, 1971), ♀, и *Dasylabris shelkovnikovi* Lelej, 1985, ♂. Представлена новая синонимия:

Myrmilla calva Skorikov, 1927 = *M. etzchmiadzini* (Radoszkowski, 1885), syn.n.

The velvet ants, i.e. the family Mutillidae, have never been the subject of a separate study in Azerbaijan. The list of recorded species includes 49 species of 15 genera [Bogachev, 1951; Lelej, 1985]. Considerable material in the Hymenoptera collection deposited in the Institute of Zoology, Baku includes the mutillids from different parts of the ex-USSR. In this collection, the following 16 species reported earlier from Azerbaijan are absent: *Krombeinella wolffi* (Invrea, 1963), *Paramyrmosa radoszkowskyi* (Saussure, 1880), *Tropidotilla semirufa* (André, 1893), *T. sareptana* (André, 1901), *Trogaspidia hammeri* (Suárez, 1959), *Artiotilla biguttata* (Costa, 1858), *Dentilla caucasica* Lelej, 1985, *Physetopoda asiatica* (Lelej, 1984), *Ph. portschinskii* (Radoszkowski, 1888), *Smicromyrme elongata* (Radoszkowski, 1885), *S. radoszkowskii* (Skorikov, 1935), *S. turanica* (F. Morawitz, 1893), *S. (Eremotilla) nonveilleri* Invrea, 1954, *S. (Smicromyrme) viktorovi* Lelej, 1984, *Dasylabris (Dasylabris) mixta* (André, 1903), *D. (D.) maura maura* (Linnaeus, 1758).

The present paper opens up a series of contributions devoted to that highly interesting and important collection of Hymenoptera, this time being restricted to the Mutillidae. The taxonomy below is given according to Lelej [1985] and Lelej & Nemkov [1997]. The distribution data are taken from Lelej [1985] and added for several species from Petersen [1988].

Family Mutillidae Latreille, 1802

Subfamily Myrmosinae Fox, 1894

Genus *Myrmosa* Latreille, 17961. *M. mongolica* Suárez, 1974

Myrmosa atra mongolica Suárez, 1974,

M. tsunekii Haneda, 1979,

M. mongolica Suárez, 1974: Lelej, 1985.

MATERIAL. 1 ♂, Maritime Prov. (= Primorskii Kray), Ussuriyskii State Reserve, 9.VIII.1986; leg. Kotenko. — 1 ♀, same locality, 31.VII.1982; leg. Lelej.

DISTRIBUTION. Russia (Irkutsk Area, Transbaikalia, Amurskaya Area, south of Khabarovsk Prov., Maritime Prov., S-Sakhalin), Mongolia, NE-China, Japan (Honshu).

Subfamily Pseudophotopsidinae Bischoff, 1920

Genus *Pseudophotopsis* André, 18962. *P. armeniaca* (Skorikov, 1935)

Ephutomma armeniaca Skorikov, 1935,

E. continua cyprica Hammer, 1951,

Pseudophotopsis armeniaca (Skorikov, 1935): Lelej, 1985.

MATERIAL. 2 ♀♀, Armenia, Vedi Distr., Khosrov State Reserve, 23.VI.1980; leg. Aliev.

DISTRIBUTION. Armenia, Cyprus.

3. *P. caucasica* (Radoszkowski, 1885)

Agama caucasica Radoszkowski, 1885,

Ephutomma schachruda Skorikov, 1935,

E. schachruda var. *robusta* Skorikov, 1935,

E. mavromoustakisi Suarez, 1959,

Pseudophotopsis caucasica (Radoszkowski, 1885): Lelej, 1985.

MATERIAL. 1 ♂, Tajikistan, lower flow of Vakhsh River, Tigrovaya Balka Reserve, 26.VI.1975; leg. Gorbatovsky.

DISTRIBUTION. Georgia, Azerbaijan, Armenia, Turkmenistan (Kara-Kala), Tajikistan (new record), Iran, Afghanistan, Turkey, Palestina, Cyprus.

Subfamily Myrmillinae Bischoff, 1920

Genus *Myrmilla* Wesmael, 18514. *M. (M.) etzchmiadzini* (Radoszkowski, 1885)

Myrmilla calva armeniaca Skorikov, 1927, **syn.n.**,

M. armeniaca Skorikov, 1927: Lelej, 1985.

MATERIAL. 2 ♀♀, Azerbaijan, Kilyazi, 14 road-km toward Altyagach, 25.VII.1985; leg. Aliev. — 1 ♀, Azerbaijan, Nakhichevan, Nakhichevanchay River bank, 19.V.1975; leg. Gumbatov.

DISTRIBUTION. Armenia, Azerbaijan.

HABITAT. This species inhabits steppe thickets up to 800 m a.s.l.

5. *M. (M.) caucasica* (Kolenati, 1846)

Mutilla caucasica Kolenati, 1846,

Myrmilla jasonia Skorikov, 1927,

M. kiritschenkoi Skorikov, 1927,

M. caucasica (Kolenati, 1846): Lelej, 1985

MATERIAL. 1 ♀, Azerbaijan, Zhdanovsk (now Beylagan), Garami, 21.V.1976; leg. Efendiev. — 2 ♀♀, Azerbaijan, Yevlakh, salina, on *Salsola* and *Tamarix*, 15.VII.1950; leg. Bogachev. — 1 ♀, Yevlakh, Kura River bank, 2.VI.1938; leg. Hauser. — 1 ♀, Yevlakh, 10.VIII.1949; leg. Bogachev. — 1 ♀, Baku, VI.1947; leg. Bogachev. — 1 ♀, Oguz (formerly Vartashen), 23.VII.1935; leg. Bogachev. — 1 ♀, Altyagach, 15.VI.1983; leg. Effendi. — 1 ♀, Khanlar, gardens and stony slopes, 25.V.1935; leg. Bogachev. — 1 ♀, Khanlar Distr., Eldar, Poylu, on Cruciferae, 3.9.1935; leg. Bogachev.

DISTRIBUTION. Ukraine, Russia (Volgograd Area, Astrakhan Area, Krasnodar Prov., Dagestan), Georgia, Azerbaijan, Armenia, Iran, Turkey.

HABITAT. This species is abundant in habitats supporting *Salsola* and *Tamarix* spp. Captured on Cruciferae. In the mountains, it reaches elevations of up to 1,000 m a.s.l.

6. *M. (M.) lezginica* (Radoszkowski, 1885)

Mutilla lezginica Radoszkowski, 1885,

Myrmilla kokujevi Skorikov, 1927,

M. subcornuta F. Morawitz, 1893,

M. susiana Skorikov, 1927,

M. lezginica (Radoszkowski, 1885): Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Baku, Shuvelany, 30.IV.1983; leg. Aliev.

DISTRIBUTION. Ukraine (Crimea), Russia (Dagestan), Georgia, Azerbaijan, Turkmenistan (Kopet-Dagh Mts.), Uzbekistan, Iran, Turkey, Greece, Syria, Palestina, Bulgaria, Romania.

HABITAT. This species inhabits strand sandy biotopes.

7. *M. (Pseudomutilla) glabrata* (Fabricius, 1775)

Mutilla glabrata Fabricius, 1775,

M. ciliata Fabricius, 1793: Zimsen, 1964,

M. fraterna Baer, 1848,

Myrmilla sarmatica Skorikov, 1927,

M. sarmatica var. *beljgovskii* Skorikov, 1927,

Mutilla cephalica Sichel & Radoszkowski, 1869: André, 1901; Lelej, 1978; Lelej & Kabakov, 1980,

Myrmilla glabrata (Fabricius, 1775): Lelej, 1985; Petersen, 1988.

MATERIAL. 1 ♀, Ukraine, Chernigov Area, Vaskovtsy, 22.V.1984; leg. Voblenko. — 1 ♀, Chernigov Area, near Nezhin, 6.VIII.1984; leg. Voblenko.

DISTRIBUTION. Ukraine, Russia (steppes of European part, S-Urals), Kazakhstan, Uzbekistan, W-Europe, ? Egypt.

8. *M. (P.) meda* Skorikov, 1927

Myrmilla meda Skorikov, 1927,

M. appropiqua Skorikov, 1927,

M. meda Skorikov, 1927: Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Yevlakh Distr., Khaldan, 23.VI.1949; leg. Bogachev.

DISTRIBUTION. Russia (Dagestan), Azerbaijan, SW-Turkmenistan, N-Iran.

HABITAT. This species inhabits steppe thickets up to 400 m a.s.l.

9. *M. (Eurygnathilla) emiliae* (Dalla Torre, 1897)

Mutilla emiliae Dalla Torre, 1897,

M. laticeps Radoszkowski, 1888,
Myrmilla chusistana Skorikov, 1927,
M. emiliae (Dalla Torre, 1897): Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Lerik Distr., Zuvant, Galabyn, 6.VII.1983; leg. Aliev.

DISTRIBUTION. Armenia, Azerbaijan, Turkmenistan (Kopet-Dagh Mts.), Iran, Iraq, Turkey.

HABITAT. In the mountains, this species reaches elevations of up to 1,600 m a.s.l., inhabiting midmontane steppes.

Genus *Platymyrmilla* André, 1900

10. *P. quinquefasciata* (Olivier, 1811)

Mutilla quinquefasciata Olivier, 1811,
Platymyrmilla quinquefasciata (Olivier, 1811): Lelej, 1978, 1985.

MATERIAL. 1 ♂, Azerbaijan, Nakhichevan, Ordubad, Nyusnyus, 2,000 m a.s.l., 26.V.1980; leg. Aliev. — 1 ♀, Milskaya Steppe, 26.V.1934; leg. Bogachev. — 1 ♀, Sheki Distr., Turut Steppe, corn fields, 26.VI.1940; leg. Bogachev. — 1 ♀, Massaly Distr., Kalinovka, 18.VII.1936; leg. Vinovsky. — 1 ♀, Khanlar Distr., Eldar, Poylu, on *Tamarix* in Tamaricetum, 15.5.1935; leg. Bogachev.

DISTRIBUTION. Ukraine (Ismail), Georgia, Armenia, Azerbaijan, Hungary, Romania, Macedonia, Greece, Iran, Iraq, Turkey, Syria, Palestine.

HABITAT. In the mountains, this species reaches elevations of up to 2,000 m a.s.l. Inhabiting foothill and montane steppes.

Subfamily Mutillinae Latreille, 1802

Genus *Mutilla* Linnaeus, 1758

11. *M. saltensis* Radoszkowski, 1885

Mutilla europea saltensis Radoszkowski, 1885,
M. saltensis Radoszkowski, 1885: Lelej, 1985.

MATERIAL. 1 ♂, Azerbaijan, Kakhi Distr., Ilisu, on Umbelliferae, 1,800 m, 24.VII.1934; leg. Bogachev. — 1 ♀, Kusary Distr., Laza, subalpine meadows, 21.VIII.1980; leg. Aliev.

DISTRIBUTION. Russia (N-Caucasus), Georgia, Armenia, Azerbaijan, NW-Iran, Iraq.

HABITAT. This species inhabits subalpine meadows up to 1,800 m a.s.l. in elevation.

12. *M. erschoffii* Sichel et Radoszkowski, 1870

Mutilla rugiceps F. Morawitz, 1890,
M. bareyi Radoszkowski, 1893,
M. schulthessi Andre, 1893,
M. erschoffii Sichel & Radoszkowski, 1870: Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Nakhichevan, Ordubad, on stones, 15.VI.1975; leg. Gumbatov.

DISTRIBUTION. Georgia, Armenia, Azerbaijan, Turkmenistan, Uzbekistan, Tajikistan, N-Iran, Afghanistan.

HABITAT. This species inhabits the lower mountainous semi-desert belt up to 1,000 m a.s.l. in elevation.

Genus *Ronisia* Costa, 1858

13. *R. brutia* (Petagna, 1787)

Mutilla brutia Petagna, 1787,

Mutilla barbara var. *brutia* Petagna, 1787: Invrea, 1964,
M. hungarica Fabricius, 1793,
M. sexmaculata Baer, 1848,
M. torosa Costa, 1858,
M. taurica Radoszkowski, 1865,
M. discoidalis Radoszkowski, 1865,
M. duplex Radoszkowski, 1885,
M. morawitzii Dalla Torre, 1897,
Ronisia brutia (Petagna, 1787): Lelej, 1985

MATERIAL. 1 ♀, Azerbaijan, Khanlar Distr., Poylu, Eldar, 3.V.1935; leg. Bogachev. — 1 ♀, Yevlakh Distr., Khaldan, 23.VI.1949; leg. Bogachev. — 1 ♂, Belokany, foothill forest, bush, 10.VII.1985; leg. Rzaeva. — 2 ♂♂, Lerik Distr., Talysh Mts., Zuvant, Ghilidara, 27.VII.1976; leg. Aliev. — 1 ♂, Zuvant, Lyalyakeran, 6.VII.1985; leg. Aliev.

DISTRIBUTION. Ukraine, Russia (steppe zone eastward until Orenburg), W-Kazakhstan, Transcaucasia, Turkmenistan (Kopet-Dagh Mts.), south of W-Europe, Mediterranean.

HABITAT. This species inhabits foothill forests, undergrowths and montane steppe up to 1,800 m a.s.l. in elevation.

Genus *Ctenotilla* Bischoff, 1920

14. *C. caeca* (Radoszkowski, 1879)

Mutilla caeca Radoszkowski, 1879,
M. pectinifera André, 1893,
Ctenotilla pectinifera var. *obscura* Nonveiller, 1959,
C. caeca (Radoszkowski, 1879): Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Yevlakh, salina with *Salsola*, 15.7.1950; leg. Bogachev.

DISTRIBUTION. Ukraine (Crimea), Armenia, Azerbaijan, Romania, Yugoslavia, Greece, Turkey, Syria.

HABITAT. This species inhabits salinated semi-deserts. Feeding on flowers of *Salsola* spp.

Genus *Tropidotilla* Bischoff, 1920

15. *T. litoralis* (Petagna, 1787)

Mutilla litoralis Petagna, 1787,
M. italica Fabricius, 1793,
M. iberica Kolenati, 1846,
M. graeca Lepeletier, 1845,
M. simplicia Radoszkowski, 1865,
M. pauperata Sichel et Radoszkowski, 1870,
Tropidotilla litoralis (Petagna, 1787): Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Kirovabad (now Ganja), Heleendorf (now Khanlar), 24.V.1939; leg. Bogachev. — 3 ♀♀, Yevlakh, salinas with *Salsola*, 15.VII.1950; leg. Bogachev. — 1 ♀, same locality, 20.VI.1949; leg. Bogachev. — 1 ♀, Yevlakh, salina with dense *Salsola* and *Tamarix*, 15.VII.1950; leg. Bogachev. — 1 ♀, Yevlakh Distr., Khaldan, 28.V.1948; leg. Bogachev. — 1 ♂, 1 ♀, same locality, 8.VIII.1949; leg. Bogachev. — 2 ♀♀, Yevlakh, Kura River bank, 2.VI.1938; leg. Hauser. — 1 ♂, 1 ♀, same locality, 10.VIII.1949; leg. Bogachev. — 1 ♀, Milskaya Steppe, 15.VI.1934; leg. Bogachev. — 2 ♀♀, same locality, 2.VI.1934; leg. Bogachev. — 1 ♂, Fizuli Distr., Goradiz, *Lepidium draba*, 30.VII.1947; leg. Yakovleva. — 1 ♀, Goradiz curs. inf. fl. Araxis, 19.VIII.1941; leg. Yakovleva. — 1 ♀, Samukh, Tomully, Alazan River valley, *Tamarix* + *Zygophyllum*, 13.VI.1935; leg. Bogachev. — 1 ♀, Kilyazi, Tazakend, 200 m, 30.V.1983; leg. Aliev. — 1 ♂, Lerik Distr., Zuvant, Galabyn, 6.VII.1983; leg. Aliev. — 1 ♀, Shamkhor, Dallyar, on weed, 2.VIII.1938; leg. Bogachev. — 8.VIII.1949; leg. Bogachev. — 1 ♀, Sheki Distr., Turut Steppe, corn fields, 23.V.1948; leg. Bogachev. — 2 ♀♀, Nakhichevan, bank of Nakhichevanchay River, 19.V.1975; leg. Gumbatov. — 2 ♂♂, Barda, Prikurinskiy Reserve, 18.VI.1976; leg. Gumbatov.

DISTRIBUTION. Ukraine, Russia (steppe zone eastward until Volgograd), Georgia, Armenia, Azerbaijan, SW-Turkmenistan (Kopet-Dagh Mts.), C- & S-Europe, N-Iran, Syria, Palestina, Egypt, Algeria, Morocco.

HABITAT. This species inhabits salinated semi-deserts with *Tamarix*, *Zygophyllum*, *Salsola* as well as montane steppe. Collected on flowers of *Tamarix* sp., *Zygophyllum fabago*, *Lepidium draba*. In the mountains, it reaches up to 1,600 m a.s.l.

Genus *Macromyrme* Lelej, 1984

16. *M. binotata* (Radoszkowski, 1879)

Mutilla binotata Radoszkowski, 1879,

M. araratica Radoszkowski, 1890,

Macromyrme binotata (Radoszkowski, 1879): Lelej, 1985.

MATERIAL 2 ♀♀, Armenia, Vedi Distr., Khosrov State Reserve, 24.VI.1980; leg. Aliev.

DISTRIBUTION. Georgia, Armenia, Azerbaijan, NW-Iran, NE-Turkey (Ararat Mt.).

HABITAT. This species inhabits lower mountainous steppes at altitudes about 1,200 m a.s.l.

Genus *Trogaspidia* Ashmead, 1899

17. *T. catanensis* (Rossi, 1794)

Mutilla catanensis Rossi, 1794,

M. ballioni Radoszkowski, 1866,

M. paripunctata Sichel et Radoszkowski, 1870,

Trogaspidia catanensis (Rossi, 1794): Lelej, 1985.

MATERIAL 1 ♀, Azerbaijan, Yevlakh Distr., Khaldan, 15.IV.1949; leg. Bogachev.

DISTRIBUTION. Russia (N-Caucasus, Volgograd Area), Ukraine (Crimea), Armenia, Azerbaijan (new record), W-Kazakhstan, Hungary, Romania, Yugoslavia, Italy, Algeria.

HABITAT. This species inhabits salinated semi-deserts.

18. *T. fedtschenkoi* (Radoszkowski, 1877)

Mutilla fedtschenkoi Radoszkowski, 1877,

M. transcaspica Radoszkowski, 1888,

M. binio Radoszkowski, 1888,

M. bisignata F. Morawitz, 1890,

M. rittneri Dalla Torre, 1897,

Smicromyrme immaculata Skorikov, 1935,

Trogaspidia fedtschenkoi (Radoszkowski, 1877): Lelej, 1985.

MATERIAL 1 ♂, Azerbaijan, Udjary, Karadagly, on alfalfa, 6.V.1950; leg. Bogachev. — 2 ♀♀, Yevlakh, Tamaricetum, 10.VII.1949; leg. Bogachev. — 1 ♂, Mugan, Sabirabad, 10.IX.1939; leg. Karayagly.

DISTRIBUTION. Azerbaijan, S-Kazakhstan, Turkmenistan, Uzbekistan, Tajikistan.

HABITAT. This species occurs in lowlands and salinated semi-desert on *Medicago* and in *Tamarix* sp. thickets.

Genus *Ephutomma* Ashmead, 1899

19. *E. turcestanica* (Dalla Torre, 1897)

Mutilla turcestanica Dalla Torre, 1897,

M. incerta Radoszkowski, 1877,

Ephutomma incerta var. *rufothoracica* Skorikov, 1935,

Smicromyrme semenovi Skorikov, 1935,

Ephutomma turcestanica (Dalla Torre, 1897): Lelej, 1985.

MATERIAL 1 ♂, Uzbekistan, 45 km NW of Kasan, 15.VII.1975; leg. Gorbatsvsky.

DISTRIBUTION. S-Kazakhstan, Turkmenistan, Uzbekistan, Tajikistan.

20. *E. angustata* (Skorikov, 1935)

Smicromyrme angustata Skorikov, 1935,

Eremomyrme angustata Skorikov, 1935: Lelej, 1976,

Smicromyrme sogdiana Lelej, 1971,

Ephutomma angustata (Skorikov, 1935): Lelej, 1985.

MATERIAL 1 ♂, Uzbekistan, 45 km NW of Kasan, 27.VII.1975; leg. Gorbatsvsky.

DISTRIBUTION. S-Kazakhstan, Turkmenistan, Uzbekistan, Tajikistan.

Genus *Dentilla* Lelej, 1980

21. *D. cretica* (Nonveiller, 1971)

Smicromyrme erronea cretica Nonveiller, 1971,

Dentilla cretica (Nonveiller, 1971): Lelej, 1985.

MATERIAL 1 ♀, Azerbaijan, Nakhichevan, Shakhbuz Distr., Bichenek Pass, 10.VII.1949; leg. Bogachev. — 1 ♀, Barda, Prikurinsky Reserve, 18.VI.1976, leg. Gumbatov.

First ♀♀ have been found, allowing for a short description.

DESCRIPTION. Head as high as broad. Face small with two teeth at fore margin, both separated by a deep groove. Ratios of antennomeres 1-4: 15:4:5:5. Thorax 1.4 times longer than high. Pronotum with shoulders arched, non-pointed, 1.3 times broader than mesothorax. Scutellum tuberculate, twice as broad as high, similar in colour with thoracic upperside. First abdominal sternum smooth, without longitudinal keel. Pygidial field entirely arcuately rugose. Head, abdomen and legs black. Thorax, bases of mandibles, tarsi red. Vertex with strongly decumbent red hairs, entire head clothed with sparsely scattered, long, black hairs. Dorsum of thorax with felted red pubescence as well as with sparse, long, black, well-isolated hairs. First tergum with sparse, long, black hairs as well as with a round spot of decumbent yellow pubescence in the middle. All tergum with 2 and margins of terga 1 and 3 with yellow decumbent pubescence.

Length: 8 mm.

DISTRIBUTION. Azerbaijan, Armenia, Greece (Crete, Rhodes).

HABITAT. This species inhabits midmontane steppes and lowlands, reaching elevations of up to 1,400 m a.s.l.

22. *D. persica* (Sichel et Radoszkowski, 1870)

Mutilla persica Sichel et Radoszkowski, 1870,

Dentilla persica (Sichel et Radoszkowski, 1870): Lelej, 1985.

MATERIAL 3 ♂♂, Azerbaijan, Lerik Distr., Talysh Mts., Zuvant, Ghilidara, 27.VII.1976; leg. Aliev. — 1 ♂, Zuvant, Gosmalian, 24.VII.1976; leg. Aliev. — 1 ♂, same locality, on *Euphorbia*, 1.VII.1985; leg. Aliev. — 3 ♂♂, Zuvant, Lyalyakeran, 6.VII.1985; leg. Aliev. — 1 ♀, Baku, Inzhirnyaya, 15.VIII.1985; leg. Aliev. — 1 ♀, Nachichevan, Dzhulfu Distr., Milakh, 7.VII.1982; leg. Gumbatov.

DISTRIBUTION. Azerbaijan, Armenia, Iran, Palestina.

HABITAT. This species inhabits strand seaside sands as well as foothill and montane steppes. Feeding on

flowers of *Euphorbia* spp., in the mountains it reaches elevations of up to 1,700 m a.s.l.

23. *D. sabulicola* (Skorikov, 1935)

Smicromyrme sabulicola Skorikov, 1935

Dentilla sabulicola (Skorikov, 1935): Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Fizuli Distr., Goradiz, 22.VII.1941; leg. Yakovleva.

DISTRIBUTION. Azerbaijan (new record), SE-Iran. New to the faunas of both Azerbaijan and the former USSR.

HABITAT. This species inhabits foothill steppe.

Genus *Physetopoda* Schuster, 1949

24. *Ph. halensis* (Fabricius, 1787)

Mutilla halensis Fabricius, 1787,

M. ephippium Fabricius, 1793,

M. montana Panzer, 1805,

M. schenki Schmiedeknecht, 1907,

Smicromyrme punctata pseudomontana Hoffer, 1938,

Physetopoda halensis (Fabricius, 1787): Lelej, 1985.

MATERIAL. 2 ♂♂, Central Kazakhstan, Karaganda Area, 13 km SE of Semizbugy, 6.VIII.1978; leg. Kazenas.

DISTRIBUTION. Russia (steppes of the European part, S-Urals, Altai Prov.), Ukraine, N- & C-Kazakhstan, Germany, Czechia, Slovakia, Austria, Switzerland, Romania.

25. *P. similis* (Lelej, 1984)

Paramyrme similis Lelej, 1984,

Smicromyrme compacta (non Invrea, 1957): Lelej, 1978,

Physetopoda similis (Lelej, 1984): Lelej, 1985.

MATERIAL. 1 ♂, Azerbaijan, Lerik Distr., Talysh Mts., Zuvant, Mt. Kemyurkey, 2,400 m, 10.VII.1983; leg. Aliev. — 1 ♂, Zuvant, Gosmalian, 1.VII.1985; leg. Aliev.

DISTRIBUTION. Ukraine (Crimea), Azerbaijan, Armenia.

HABITAT. This species inhabits montane steppe and subalpine meadows up to 1,600-2,400 m a.s.l. in elevation.

Genus *Smicromyrme* Thomson, 1870

26. *S. transcaucasica* Lelej, 1985

MATERIAL. 1 ♂, Azerbaijan, Lerik Distr., Talysh Mts., Zuvant, Mt. Kemyurkey, 2,400 m, 10.VII.1983; leg. Aliev.

DISTRIBUTION. Armenia, Azerbaijan.

HABITAT. This species inhabits mountainous steppe.

27. *S. kurda* Skorikov, 1935

Smicromyrme kurda Skorikov, 1935,

S. kurda subtumensis Skorikov, 1935,

S. persa Skorikov, 1935,

S. turanica atrithorax (non André, 1902): Lelej & Kabakov, 1980,

S. kurda Skorikov, 1935: Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Baku, 7.IV.1983; leg. Aliev. — 2 ♀♀, Primorsk, Mt. Karadagh, 28.IV.1985; leg. Aliev. — 1 ♀, Nakhichevan, on fruit trees, 25.IV.1933; leg. Bogachev. — 1 ♀, Samukh, Karagachly, on *Tamarix*, 31.V.1935; leg. Bogachev. — 1 ♀, Khanlar, gardens and stony slope, 25.V.1935; leg. Bogachev. — 1 ♀, Sheki Distr., Turut Steppe, 22.IV.1940; leg. Bogachev. — 1 ♀, Baku, under *Salsola*, 1.1946; leg. Bogachev.

DISTRIBUTION. Georgia, Azerbaijan, Armenia, N-Iran.

HABITAT. This species inhabits semi-desert and lower mountainous steppes. Occurs in gardens on fruit trees, on *Tamarix* and *Salsola* spp.

28. *S. (Astomyrme) morawitzi* Lelej, 1979

Smicromyrme morawitzi Lelej, 1979: Lelej, 1985.

MATERIAL. 1 ♂, Uzbekistan, 35 km NW of Kasan, 27.VII.1975; leg. Gorbatovskiy.

DISTRIBUTION. S-Kazakhstan, Turkmenistan, Uzbekistan, Tajikistan.

29. *S. (Eremotilla) schwarzi* Suárez, 1975

Smicromyrme schwarzi Suárez, 1975: Lelej, 1985.

MATERIAL. 1 ♂, Azerbaijan, Fizuli Distr., Goradiz, 30.VII.1947; leg. Yakovleva. — 1 ♂, Shamkhor, Dallyar, on weeds, 2.VIII.1938; leg. Bogachev.

DISTRIBUTION. Ukraine (Crimea, Lugansk Area), Georgia, Azerbaijan, Turkey.

HABITAT. This species inhabits semi-deserts up to 400 m a.s.l. in elevation. Feeding on weeds.

30. *S. (E.) maculata* Nonveiller, 1959

Smicromyrme orientalis var. *maculata* Nonveiller, 1959,

S. orientalis Nonveiller, 1959, nom. praecoc.,

S. orientalis var. *nigriceps* Nonveiller, 1959,

S. pseudoorientalis Nonveiller, 1959,

S. maculata Nonveiller, 1959: Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Baku, 17.VII.1985; leg. Aliev. — 1 ♀, Kilyazi, 14 road-km toward Altyagach, 25.VII.1985; leg. Aliev.

DISTRIBUTION. Ukraine (Crimea), Russia (Volgograd Area, Dagestan), Armenia, Azerbaijan, SW-Turkmenistan (Kopet-Dagh Mts.), Yugoslavia, Macedonia, Greece, N-Iran.

HABITAT. This species inhabits semi-desert and xerophytic steppes.

31. *S. (Smicromyrme) lewisi* Mickel, 1935

Smicromyrme lewisi Mickel, 1935,

Mutilla japonica Cameron, 1900, nom. praecoc.,

M. cameroni Yano, 1932, nom. praecoc.,

M. lewisi yanoi Mickel, 1935,

M. lewisi nigricula Mickel, 1935,

Smicromyrme lewisi Mickel, 1935: Lelej, 1985.

MATERIAL. 2 ♂♂, Russia, Far East, Maritime Prov. (= Primorskii Krai), Shkotovo Distr., Anisimovka, 3.VII.1982; leg. Lelej. — 1 ♂, 7 km E of Khasan Station, 27.VIII.1986; leg. Lelej. — 1 ♀, Amurskaya Area, 5 km N of Saskal', 13.VIII.1982; leg. Lelej.

DISTRIBUTION. Russia (irkutsk Area, Transbaikalia, Amurskaya Area, Khabarovsk Prov., Maritime Prov., Sakhalin, Kunashir Il.), Mongolia, NE- 7 E-China, Korea, Japan (Hokkaido, Honshu, Kyushu, Tsushima, Tanega-shima).

32. *S. (Erimyrme) azerbaijdzhanica* Lelej, 1985

Smicromyrme azerbaijdzhanica Lelej, 1985.

MATERIAL. 1 ♂, Azerbaijan, Lenkoran, Avrora, 8.X.1984; leg. Aliev.

DISTRIBUTION. Azerbaijan, SW-Turkmenistan.

HABITAT. This species inhabits lowland humid biotopes.

33. *S. (E.) bidenticulata* Chen, 1957

Smicromyrme bidenticulata Chen, 1957,

S. hasanensis Lelej, 1977,

S. bidenticulata Chen, 1957 : Lelej, 1985.

MATERIAL. 3 ♂♂, Russia, Far East, Maritime Prov. (= Primorskii Krai), 7 km E of Station Khasan, 27.VIII.1986; leg. Lelej.

DISTRIBUTION. Russia (south of Maritime Prov., Kunashir Il.), E-Mongolia, China (Nei Mongol, Shandong, Jiangsu).

Genus *Nemka* Lelej, 198634a. *Nemka viduata viduata* (Pallas, 1773)

Mutilla viduata Pallas, 1773,

Tiphia stridula Rossi, 1790,

M. coronata Rossi, 1792,

M. coronata Fabricius, 1793, nom. praecoc.,

M. paedemontana Fabricius, 1794: Zimsen, 1964,

M. macquarti Lepeletier, 1845,

Smicromyrme viduata viduata (Pallas, 1773): Petersen, 1988; Lelej, 1995.

MATERIAL. 1 ♂, Azerbaijan, Kilyazi, Tazakend, on Compositae, 29.6.1983; leg. Aliev. — 1 ♀, Baku, Inzhirnyaya, 15.VI.1982; leg. Aliev. — 1 ♀, Baku, Zyk, 15.VII.1974; leg. Gumbatov. — 1 ♂, Nakhichevan, Norashen, 9.VI.1923; leg. Vinovsky.

DISTRIBUTION. Russia, Kazakhstan northward of Mangyshlak — Aral Sea — Balkhash Lake, Azerbaijan, Armenia, Georgia, Ukraine, Slovakia, Hungary, Austria, S-Germany, Romania, Bulgaria, Yugoslavia, Albania, Greece, Italy, S-France, Spain (Gerona, Baleares), Turkey, Syria, Mongolia.

HABITAT. This species inhabits lower montane semi-desert and strand seaside sands. In the mountains, it reaches up to 1,000 m a.s.l. in elevation.

34b. *Nemka viduata luctuosa* (Radoszkowski, 1865)

M. luctuosa Radoszkowski, 1865,

M. bartholomaei Radoszkowski, 1865,

M. bareyi Radoszkowski, 1893,

Smicromyrme viduata protunensis Skorikov, 1935,

S. simia Skorikov, 1935,

S. viduata tunensis (Fabricius, 1804): Lelej, 1985,

S. viduata luctuosa (Radoszkowski, 1865): Lelej, 1995.

MATERIAL. 4 ♂♂, 4 ♀♀, Azerbaijan, Yevlakh, salinas with dense *Salsola* and *Tamarix* spp., 15.VII.1950; leg. Bogachev. — 2 ♀♀, Yevlakh, 10.VIII.1949; leg. Bogachev. — 1 ♀, Vartashen (now Oguz), 23.VII.1935; leg. Bogachev. — 1 ♂, Shamkhor, corn fields, 11.VI.1941; leg. Hauser. — 1 ♂, Samukh, Karagachly, 3.VI.1935; leg. Bogachev. — 1 ♂, Malbinasi Distr., Barda, 20.VIII.1931; leg. Bogachev. — 1 ♂, Nakhichevan, Milakh, 7.VII.1982; leg. Gumbatov.

DISTRIBUTION. Azerbaijan, Armenia, Georgia, Kazakhstan southward of Mangyshlak — Aral Sea — Balkhash Lake, Kyrgyzstan, Turkmenistan, N-Iran, Turkey, NW-China.

HABITAT. This subspecies inhabits semi-desert, lower mountainous steppe on salinas with dense *Salsola* and *Tamarix* spp. In the mountains, it reaches up to 1,200 m a.s.l. in elevation.

Subfamily Dasylabrinae Skorikov, 1935

Genus *Dasylabris* Radoszkowski, 188535. *D. (D.) atrata* (Linnaeus, 1767)

Mutilla atrata Linnaeus, 1767,

M. arenaria Fabricius, 1787,

M. armeniaca Kolenati, 1846,

Dasylabris mlokosewiczii Radoszkowski, 1885,

D. juxtarenaria Skorikov, 1935,

D. duplicolor Skorikov, 1935,

D. maura arenaria (Fabricius, 1787): Lelej, 1985,

D. atrata (Linnaeus, 1767): Petersen, 1988.

MATERIAL. 4 ♀♀, Azerbaijan, Khanlar Distr., Eldar, Poylu, on Cruciferae, 3.IX.1935; leg. Bogachev. — 1 ♀, Samukh, Karagachly, on *Tamarix*, 31.V.1935; leg. Bogachev. — 1 ♀, Sheki, corn farm, 16.V.1940; leg. Bogachev. — 1 ♀, Milskaya Steppe, 10.VI.1934; leg. Bogachev. — 1 ♀, Kirovabad (now Ganja), on alfalfa, 2.VI.1939; leg. Bogachev. — 1 ♀, same locality, alfalfa fields, 25.VII.1939; leg. Bogachev. — 1 ♀, Nakhichevan, Shakhbuz Distr., Bichenek Pass, 10.VII.1949; leg. Bogachev. — 1 ♀, Ordubad, 18.VI.1975; leg. Gumbatov. — 1 ♀, Shamkhor, Shishtepe, 12.V.1979; leg. Aliev. — 1 ♂, 1 ♀, Fizuli Distr., Goradiz, 22 & 30.VII.1941; leg. Yakovleva. — 1 ♂, Lerik Distr., Talysh Mts, Zuvant, Galabyn, 6.VII.1983; leg. Aliev. — 1 ♀, Zuvant, Gosmalian, 1.VII.1985; leg. Aliev. — 1 ♀, Talysh Mts, Zuvant, 20.V.1980; leg. Effendi. — 1 ♀, Baku, Mashtaghi, 15.VII.1946; leg. Bogachev. — 1 ♀, Baku, Primorskaya, 15.7.1975; leg. Gumbatov. — 2 ♀♀, Baku, under *Salsola* sp., I.1946; leg. Bogachev. 1 ♀, Baku, VI.1947; leg. Bogachev. — 1 ♀, 14 road-km from Kilyazi to Altyagach, 25.VII.1985; leg. Guseinzade.

DISTRIBUTION. Russia (Dagestan), Armenia, Azerbaijan, Turkmenistan (Kopet-Dagh Mts.), Spain, Portugal, Italy (Lampedusa), Turkey, N-Iran, Palestina, Morocco, Tunisia, Algeria, Libya, Egypt.

HABITAT. In the mountains, this species reaches elevations of up to 1,600 m a.s.l., inhabiting the steppe belt with a xerophilic vegetation, e.g. *Salsola* and *Tamarix* spp., agrocenoses (alfalfa fields), strand seaside sands. This is one of the most common velvety ant species in the fauna of Azerbaijan.

36. *D. (D.) sarafschani* (Radoszkowski, 1877)

Mutilla sarafschani Radoszkowski, 1877,

M. suspecta André, 1903,

M. desertorum (non Radoszkowski, 1865): Skorikov, 1935 (♂, non ♀),

Dasylabris (Craspedopyga) sarafschani Radoszkowski, 1877: Skorikov, 1935,

D. sarafschani (Radoszkowski, 1877): Lelej, 1985.

MATERIAL. 1 ♀, Uzbekistan, 45 km N of Kasan, Shorsay 26.VII.1975; leg. Gorbatovsky.

DISTRIBUTION. S-Kazakhstan, Turkmenistan, N-Uzbekistan, Kyrgyzstan, NE-Iran.

37. *D. (D.) siberica* (Christ, 1791)

Mutilla siberica Christ, 1791,

M. maura var. *quadrinaculata* Sichel & Radoszkowski, 1870,

M. rubrosignata Radoszkowski, 1865,

Dasylabris siberica (Christ, 1791): Lelej, 1985.

Material: 3 ♂♂, Siberia, Chita Area, 42 km SW of Borzi, Durbachi, 24.VII.1984; leg. Lelej. — 1 ♀, Buryatia, Lake Gusinoe Baraty, 6.VIII.1984; leg. Lelej.

DISTRIBUTION. Russia (Altai Prov., Tuva, south of Krasnoyarsk Prov., S-Transbaicalia, Amurskaya Area, Maritime Prov.), Mongolia, C- & NE-China.

38. *D. (Craspedopyga) manderstiernii manderstiernii* (Radoszkowski, 1865)

Mutilla manderstiernii Radoszkowski, 1865,

Dasylabris mauropsis Skorikov, 1935: Lelej, 1978,

D. manderstiernii (Radoszkowski, 1865): Lelej, 1976, 1985,

D. manderstiernii manderstiernii (Radoszkowski, 1865): Petersen, 1988.

MATERIAL. 1 ♀, Azerbaijan, Kobystan, Kilyazi, 12.VI.1982; leg. Effendi. — 1 ♀, Khanlar, gardens, 22.V.1939; leg. Bogachev. — 1 ♀, Khanlar Distr., Poylu, Eldar, along ravines on *Zygophyllum*, 14.V.1935; leg. Bogachev. — 1 ♀, Kirovabad (now Ganja), on alfalfa, 4.VI.1939; leg. Bogachev. — 1 ♀, Samukh, Karagachly, on *Tamarix*, 31.V.1935; leg. Bogachev. — 1 ♀, Yevlakh, 10.VIII.1949; leg. Bogachev. — 1 ♀, Fizuli Distr., Goradiz, 22.7.1941; leg. Yakovleva. — 1 ♀, Minghechaur, 20.IV.1947; leg. Bogachev. — 1 ♀, Nakhichevan, Ordubad, gardens, 14.VI.1975; leg. Gumbatov.

DISTRIBUTION. Ukraine (Crimea), Russia (Stavropol Prov., Dagestan), Georgia, Armenia, Azerbaijan, Turkmenistan (Ashgabat), N-Iran, Turkey, Lebanon, Syria.

HABITAT. In the mountains, this species reaches elevations of up to 800 m a.s.l., inhabiting gardens, alfalfa crops as well as *Tamarix* sp. and *Zygophyllum fabago* heaths.

39. *D. (Inbaltilla) regalis* (Fabricius, 1793)

Mutilla regalis Fabricius, 1793,

M. peliolata Baer, 1848,

M. peliolaris Radoszkowski, 1865,

M. concolora Radoszkowski, 1865,

M. unipetiolaris Radoszkowski, 1866,

M. italica var. *triangulomaculata* Skorikov, 1935,

Dasylabris regalis (Fabricius, 1793): Lelej, 1985; Peter-
sen, 1988.

MATERIAL. 1 ♀, Azerbaijan, Baku, Inzhirnaya, 23.VI.1985; leg. Aliev.

DISTRIBUTION. Ukraine, Russia (steppe zone eastward until Altai Mts.), Azerbaijan (new record), Slovakia, Austria, Hungary, Romania, Bulgaria, Italy, S-France.

HABITAT. This species inhabits sandy strand seashores.

40. *D. (I.) stenothoracica* Skorikov, 1935

Dasylabris stenothoracica Skorikov, 1935,

D. stenothoracica Skorikov, 1935: Lelej, 1985.

MATERIAL. 1 ♂, Tajikistan, Pamirs, Vakhshskiy Mt. Range, Nurek Reservoir, 15.VI.1975; leg. Gorbatovskiy.

DISTRIBUTION. S-Kazakhstan, Turkmenistan, Uzbekistan, Tajikistan.

41. *D. (I.) scutilla* Skorikov, 1935

Dasylabris scutilla Skorikov, 1935,

Mutilla italica (non Fabricius, 1793): André, 1903,

Dasylabris regalis (non Fabricius, 1793): Lelej, 1976,

D. scutilla Skorikov, 1935: Lelej, 1985.

MATERIAL. 1 ♂, Azerbaijan, Barda, Prikurinsky Reserve, 18.VI.1976; leg. Gumbatov.

DISTRIBUTION. Georgia, Armenia, Azerbaijan (new record).

HABITAT. This species inhabits riverine thickets.

42. *D. (I.) shelkovnikovi* Lelej, 1985

Dasylabris ornata armeniaca Skorikov, 1935, nom. praeocc.,

D. defecta armeniaca Skorikov, 1935: Lelej, 1976,

D. shelkovnikovi Lelej, 1985.

MATERIAL. 1 ♂, Azerbaijan, Lerik Distr., Talysh Mts., Zuvant, Ghilidara, 2.VII.1976; leg. Aliev.

Below is the first description of its ♂ as based on the Caucasian specimen.

DESCRIPTION. Head insignificantly wider than high. Longitudinal diameter of eyes 1.5 times greater than transverse one. POL:OOL ratio 0.7, joint 1 of

palpal flagellum a little shorter than 2nd. Propodeum equal to pronotum. Interior side of hind coxa without keel. Abdominal sternum 1 with a vague longitudinal keel, shining with deep, dense, rough punctures laterally and with sparser, scattered punctuation in the middle. Sternum 2 shining, at base with small dense punctures, along anterior border with 2-3 rows of sparse deep punctures.

Head and mesonotum foveolate, with intervals smaller than diameter of foveoles. Propodeum roughly reticulate throughout. Tergum 1 shining, beset with merging foveoles. Base of tergum 2 with a triangular, shining, finely and densely punctate band. Body uniform black, wings infusate with brown veins. Head, thorax, abdomen and legs with long, erect, black pubescence; posterior part of tergum 1 with more dense, yellow, short pubescence, particularly so laterally. Abdominal terga 1-5 posterad with a band of dense black setae.

Length: 7.15 mm.

DISTRIBUTION. Armenia, Azerbaijan (new record).

HABITAT. In the mountains, this species occurs up to 1,700 m a.s.l.

43. *D. (I.) paupertina* Skorikov, 1935

Dasylabris ornata var. *paupertina* Skorikov, 1935,

D. scutilla var. *obscura* Skorikov, 1935,

D. medialis Lelej, 1975,

D. paupertina Skorikov, 1935: Lelej, 1985.

MATERIAL. 1 ♂, Tajikistan, lower flow of Vakhsh River, Tigrovaya Balka Reserve, 9.VI.1975; leg. Gorbatovskiy. — 1 ♂, Azerbaijan, Zhdanovsk (now Beylagan), Garami, 21.V.1976; leg. Efendiev.

DISTRIBUTION. Armenia, Azerbaijan, Turkmenistan, Uzbekistan, Tajikistan.

HABITAT. This species inhabits lowlands.

44. *D. (I.) erronea* Lelej, 1985

D. erronea Lelej, 1985.

MATERIAL. 1 ♂, Azerbaijan, Kilyazi, 14 road-km toward Altyagach, 15.VII.1985; leg. Aliev.

DISTRIBUTION. Armenia, Azerbaijan, Kazakhstan, Uzbekistan, Tajikistan. This is a second record of *D. erronea* in Azerbaijan, the first (1 ♀) being derived from "Kirovabad, 15.VII.1933, leg. Lukyanovich".

HABITAT. This species inhabits lowland semi-desert biotopes up to 200 m a.s.l.

45. *D. (I.) anceps* (Radoszkowski, 1877)

Mutilla anceps Radoszkowski, 1877,

Dasylabris mirifica Skorikov, 1935,

D. anceps (Radoszkowski, 1877): Lelej, 1985.

MATERIAL. 1 ♀, Turkmenistan, Repetek Reserve, 13.VI.1971; leg. Kuznetsov.

DISTRIBUTION. Sandy deserts of Middle Asia and Kazakhstan.

46. *D. (Baltilla) koenigi* (Radoszkowski, 1888)

Mutilla koenigi Radoszkowski, 1888,

Dasylabris caecia Skorikov, 1935,

D. argyroloma Skorikov, 1935,

D. koenigi (Radoszkowski, 1888): Lelej, 1985.

MATERIAL. 1 ♀, Tajikistan, lower flow of Vakhsh River, Tigrovaya Balka Reserve, 9.VI.1975; leg. Gorbatovskiy.

DISTRIBUTION. Deserts of Kazakhstan and Middle Asia; N-Iran.

47. *D. (B.) gobicola* Skorikov, 1935

Dasylabris kaszabi funerula Suárez, 1974,
D. gobicola Skorikov, 1935: Lelej, 1985.

MATERIAL. 1 ♀, Azerbaijan, Sheki Distr, Turut Steppe, corn fields, 23.V.1948; leg. Bogachev.

DISTRIBUTION. Russia (S-Altai, Tuva), Azerbaijan (new record), E-Kazakhstan, Mongolia, C- & NW-China. New to the Caucasian fauna.

HABITAT. This species inhabits steppe biotopes up to 800 m a.s.l.

Genus *Tricholabiodes* Radoszkowski, 1885

48. *T. asiaticus* Radoszkowski, 1885

T. asiaticus Radoszkowski, 1885: Lelej, 1985.

MATERIAL. 1 ♀, Turkmenistan, Repetek Reserve, 20.IX.1974; leg. Kuznetsov. — 1 ♂, Tajikistan, lower flow of Vakhsh River, Tigrovaya Balka Reserve, 18.VI.1975; leg. Gorbatsky.

DISTRIBUTION. Sandy deserts of Middle Asia and S-Kazakhstan (Kyzylkum), Iran.

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