



Revision of the Material of Collections of the Carpet Beetle (Dermestidae). Part 1. Faunistic Review

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ABSTRACT

The paper presented the results of the collection of the Siberian Zoological Museum and Museum MPGU, Moscow; private collections of I.V. Shochin, D. Kasatkin, B. Georgi. The total of 154 specimens of carpet beetles (Dermestidae) were studied. The results of the study of beetle were supplemented by the information on the world fauna of the dermestid beetles.

Keywords: Coleoptera, Dermestidae, New Record, Carpet Beetles.

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INTRODUCTION

During the study of the collections, interesting information was obtained, as the fauna of the carpet beetles changed. The identified species has complemented the fauna of Russian Dermestidae. The areas of distribution of a number of species have been clarified (*Attagenus afghanus* Háva, 2000; *Paranavelsis punktatus* Scopoli, 1772; and *Attagenus pushkini* Herrmann, Kadej & Háva, 2015). Labels were rewritten verbatim. In this part of the work, it was not tried to evaluate or challenge the finding of the species, but the representation of these species in collections was stated. Below, the information about the fauna as well as the detailed data on species which has been recently marked without specifying specific information have been represented. The nomenclature of taxon was adopted according to the system [1]. The annotations included the dissemination information (by state) and necessary comments. The distribution was given by [1].

Collection SZMN - Siberian Zoological Museum, Novosibirsk (fig. 1)

1. *Attagenus pictus* Ballion, 1876 cited by [1] /identified S.V. Pushkin, 2018

Material: label "from. Belova Balivsky district, Kazakhstan. 30.05.02. The collector was not known" collector Korshunov.

Distribution: Afghanistan; N Iran; Israel; Kazakhstan; Kyrgyzstan; Russia; Tadjikistan; Turkmenistan; Uzbekistan [1].

2. *Dermestes freudei* Kalík & Ohbayashi, 1982 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Primorsky Krai, Ussuriysky rn, Lime Hill 470 m., Yu. Slope 05/22/2006, Korshunov".

Distribution: China; Japan; North Korea; N South Korea; Russia: E Siberia [1].

3. *Dermestes mustelinus* Erichson, 1846 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kemerovo region, Krapivnensky district, 8 km, south-west, p. Saltymakovo, okr. Biological station of KemSU, 150 m., 20.06-20.07. 2010, Korshunov. "

Distribution: France; Germany; Italy; Poland; Portugal; Sardinia; Spain [1].

Remark: the first indication in Russia.

4. *Dermestes gyllenhali gyllenhali* Castelnau, 1840 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kemerovo region, Krapivnensky district, 8 km, south-west, p. Saltymakovo, okr. Biological station of KemSU, 150 m., 20.06-20.07. 2010, the Korshunov".

Distribution: Turkey; „Caucasus; Iran; Kazakhstan; Russia [1, 2].

5. *Dermestes mustelinus* Erichson, 1846 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kemerovo region, Krapivnensky district, 8 km, south-west, p. Saltymakovo, okr. Biological station of KemSU, 150 m., 20.06-20.07. 2010, the Korshunov".

Distribution: France; Germany; Italy; Poland; Portugal; Sardinia; Spain [1].

Remark: the first indication in Russia.

6. *Attagenus pushkini* Herrmann, Kadej & Háva, 2015 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kemerovo region, Krapivnensky district, 8 km, south-west, p. Saltymakovo, okr. Biological station of KemSU, 150 m., 20.06-20.07. 2010, the Korshunov".

Distribution: Russia.

Remark: a new indication in Russia.

7. *Attagenus bifasciatus* (Olivier, 1799) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kemerovo region, Krapivnensky district, 8 km, south-west, p. Saltymakovo, okr. Biological station of KemSU, 150 m., 20.06-20.07. 2010, the Korshunov".

Distribution: Turkey; Algeria; Egypt; Libya; Morocco; Tunisia; Afghanistan; Caucasus; India; Iran; Iraq; Israel; Lebanon; Palestina; Russia; Syria; Turkmenistan [1].

8. *Dermestes fasciventris* Reitter, 1881 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Thailand, Nakhon, Nong Bun Nak. Deciduous gallery wood. 200 m. N144125 E022745.7, Korshunov, 5-7.06.2010"

Distribution: Kazakhstan; Russia: E Siberia [1].

Remark: the first indication for Thailand. Most likely delivery.

9. *Attagenus suspiciosus* Solskij, 1876 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Thailand, Ta Phraya district Nakhon PaK.La.Lu, 122 m, N140231.3 E1023404.6 15 19.05.10, Korshunov"

Distribution: Afghanistan; China: Sinkiang; Iran; Kazakhstan; Kyrgyzstan; Mongolia; Tadzhikistan; Turkmenistan; Uzbekistan [1].

Remark: the first indication in Thailand. Most likely delivery.

10. *Attagenus cootermanni* Háva, 2013 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kazakhstan, St. Petersburg, Kanchagay between hr. Malay sora and r. Or 550 meters on 17-18.04.2016. R. Dudko and A. Fomichev"

Distribution: Kazakhstan [1].

11. *Anthrenus latefasciatus* Reitter, 1892 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Thailand, Nakhon, Nong Bun Nak. Deciduous gallery wood. 200 m. N144125 E022745.7, Korshunov, 5-7.06.2010"

Remark: the first indication in Thailand. Most likely delivery.

12. *Anthrenus amoenulus* Reitter, 1896 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kemerovo region, Kuznetsk Ala-Tau, the town of Solovey, under the cedar, 113 m. 16.07.09 Korshunov".

Distribution: Afghanistan; Caspian Lowlands; Caucasus; Iran; Turkey; Turkmenistan [1].

Remark: the first indication in the north of Russia.

13. *Anthrenus amoenulus* Reitter, 1896 cited by [1] /identified S.V. Pushkin, 2018

Material: label "From the collection of the Siberian Zoological Museum Isiek. animals of Soran. G. Novosibirsk, 1817180 siua (60) mv 70p xy-it.g.ceppi".

Distribution: Afghanistan; Caspian Lowlands; Caucasus; Iran; Turkey; Turkmenistan [1].

Remark: the first indication in the north of Russia.

14. *Attagenus duplex* (Reitter & Heyden, 1890) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kazakhstan, Blue Bay village, Mammoth, 12-13.05.1972".

Distribution: Iraq; Kazakhstan; Kyrgyzstan; Mongolia; Tadjikistan; Turkmenistan; Uzbekistan [1].

15. *Attagenus pictus* Ballion, 1876 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kazakhstan, Blue Bay village, Mammoth, 12-13.05.1972".

Distribution: Afghanistan; N Iran; Israel; Kazakhstan; Kyrgyzstan; Russia; Tadjikistan; Turkmenistan; Uzbekistan [1].

16. *Attagenus cootermanni* Háva, 2013 cited by [1] /identified S.V. Pushkin, 2018

Material: label "3.03.1992 Kazakhstan, zoo museum, Zinchenko V.A."

17. *Attagenus aurantiacus* Reitter, 1900 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Turkmenistan, Teok-Tene. 09/10/1988. Barkalov, Chekanov".

Distribution: Iraq; Israel; Syria; Turkey [1].

Remark: the first instruction in Turkmenistan.

18. *Attagenus pictus* Ballion, 1871 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kazakhstan, Blue Bay village, b. Mammoth, 12-13.05.1972".

Distribution: Afghanistan; Iran; Israel; Kazakhstan; Kyrgyzstan; Russia; Tadjikistan; Turkmenistan; Uzbekistan [1].

19. *Dermestes mustelinus* Erichson, 1846 cited by [1] /identified S.V. Pushkin, 2018

Material: label "N 53° 42,8` E 77 ° 54.5` Dudko R and E"

Distribution: France; Germany; Italy; Poland; Portugal; Sardinia; Spain [1].

20. *Dermestes mustelinus* Erichson, 1846 cited by [1] /identified S.V. Pushkin, 2018

Material: label "N 53° 42,8` E 77 ° 54.5` Dudko R and E"

Distribution: France; Germany; Italy; Poland; Portugal; Sardinia; Spain [1].

21. *Attagenus afghanus* Háva, 2000 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kazakhstan, Kalachagay between the r. Malay quarrels and r. or, 500-550 m, 17-18.04.2016 R. Dudko and A. Fomichev"

Distribution: Afghanistan [1].

Remark: the first indication for Kazakhstan.

22. *Attagenus afghanus* Háva, 2000 cited by [2] /identified S.V. Pushkin, 2018

Material: label "Kazakhstan, Kalachagay between the r. Malay quarrels and r. or, 500-550 m, 17-18.04.2016 R. Dudko and A. Fomichev"

23. *Attagenus aristidis* (Pic, 1894) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kazakhstan, Kalachagay between the r. Malay quarrels and r. Or, 500-550 m, 17-18.04.2016. R. Dudko and A. Fomichev"

Distribution: Algeria; Egypt; Libya; Morocco; Iran; Qatar; Saudi Arabia [1].

Remark: the first indication in Kazakhstan.

24. *Attagenus aristidias* (Pic, 1894) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kazakhstan, Kalachagay between the r. Malay quarrels and r. or, 500-550 m, 17-18.04.2016 R. Dudko and A. Fomichev".

25. *Dermestes rattus rattus* Leconte, 1854 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43` W116°50`. R. Dudko. 23-26.05.2013"

Distribution: Canada: Alberta, British Columbia; U.S.A.: Alabama, California, Colorado, Idaho, Montana, Ohio, Oregon, Utah, Wyoming [1].

26. *Dermestes rattus rattus* Leconte, 1854 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43` W116°50`. R. Dudko. 23-26.05.2013"

27. *Dermestes talpinus* Eschscholtz in Mannerheim, 1843 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. OR. Kiamath Co, Kiamath River 1300 m. N 42°133` W 121° 965 R. Dudko 7.06. 2014"

Distribution: Canada; U.S.A. [1].

28. *Attagenus rufipennis rufipennis* LeConte, 1859 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. OR. Kiamath Co, Kiamath River 1300 m. N 42°133` W 121°965 R. Dudko 7.06. 2014"

Distribution: Mexico: Baja California; U.S.A.: Arizona, California, New Mexico, Oregon, Texas, Utah, Washington [1].

29. *Attagenus schaefferi hypar* Beal, 1970 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. OR. Kiamath Co, Kiamath River 1300 m. N 42 ° 133` W 121 ° 965 R. Dudko 7.06.2014"

Distribution: Canada: British Columbia; U.S.A.: California, Idaho, Nevada, Oregon, Washington, West Virginea [1].

30. *Novelsis hornii* (Jayne, 1882) cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. Trinity Co. Grizzly Creek. N of Thompson Peak 1400-1800 m. N 41°021` W 123°085`-123°054`. Dudko and S. Schoville. 9-11.06.2014"

Distribution: Netherland (intr.); Mexico: Chihuahua, Sonora; U.S.A.: pacific states [1].

31. *Paranovelsis aequalis* (Scarp, 1902) cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. Trinity Co. Grizzly Creek. N of Thompson Peak 1400-1800 m. N 41°021` W 123°085`-123°054`. Dudko and S. Schoville. 9-11.06.2014"

Distribution: Mexico: Baja California, Veracruz; U.S.A.: District of Columbia, Maryland, Pennsylvania, Texas, Virginia, West Virginia [1].

32. *Anthrenus chiton* Beal, 1998 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA CA Mono Co. Mono Lake 1950 m. N 38 ° 01` W 119 ° 07`. Dudko, S. Schaville. 20.05. 2013"

Distribution: U.S.A.: Arizona, California, Colorado, Texas [1].

33. *Anthrenus chiton* Beal, 1998 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA CA Mono Co. Mono Lake 1950 m. N 38 ° 01` W 119 ° 07`. Dudko, S. Schaville. 20.05. 2013"

34. *Attagenus bifasciatus* (Olivier, 1799) cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43` W116°50`. R. Dudko. 23-26.05.2013"

Distribution: Turkey; Algeria; Egypt; Libya; Morocco; Tunisia; Afghanistan; „Caucasus“; India,

Iran; Iraq, Israel; Lebanon; „Palestine“; Russia; Syria; Turkmenistan [1].

Remark: the first indication in the United States.

35. *Attagenus bifasciatus* (Olivier, 1799) cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43` W116°50`. R. Dudko. 23-26.05.2013"

36. *Dermestes carnivorus* Fabricius, 1775 /identified S.V. Pushkin, 2018

Material: label "Altai Territory Kalmansky district. The Ob at. Kalmantranich N 52 ° 58.5` E 83 ° 37. R., E. Dudko 2-14/08/2013"

Distribution: Cosmopolitan.

37. *Dermestes intermedius* Kalík, 1951 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Altai Territory Kalmansky district r. The Ob at. Kalmantranich N 52°58.5` E 83°37. R., E. Dudko 2-14.08.2013"

Distribution: Austria; Bulgaria; Czech Republic; Crete; Croatia; Cyprus; Germany; Greece; Hungary; Italy; Macedonia; Romania; Russia [2]: Ingushetia Republic; Slovakia; Turkey; Ukraine [1].

38. *Dermestes haemorrhoidalis* Küster, 1852 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43` W116°50`. R. Dudko. 23-26.05.2013"

Distribution: Burundi; Congo; Madagascar; South Africa; Tanzania; Zambia; U.S.A.; Argentina; Bolivia; Brazil; Peru; Uruguay; China: Liaoning Japan; Mongolia; Oman; Russia; Vietnam; New Zealand [1].

39. *Dermestes haemorrhoidalis* Küster, 1852 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43` W116°50`. R. Dudko. 23-26.05.2013"

40. *Dermestes haemorrhoidalis* Küster, 1852 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43` W116°50`. R. Dudko. 23-26.05.2013"

41. *Dermestes szekessyi* Kalík, 1950 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43` W116°50`. R. Dudko. 23-26.05.2013"

Distribution: Byelorussia; Ukraine; „Caucasus“; Kazakhstan; Mongolia; Russia [1].

Remark: the first indication for the United States.

42. *Dermestes szekessyi* Kalík, 1950 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43' W116°50'. R. Dudko. 23-26.05.2013"

43. *Dermestes szekessyi* Kalík, 1950 cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43' W116° 0'. R. Dudko. 23-26.05.2013"

44. *Attagenus bifasciatus* (Olivier, 1799) cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43' W116°50'. R. Dudko. 23-26.05.2013"

Distribution: Turkey; Algeria; Egypt; Libya; Morocco; Tunisia; Afghanistan; „Caucasus“; India; Iran; Iraq; Israel; Lebanon; „Palestine“; Russia; Syria; Turkmenistan [1].

Remark: the first indication for the United States

45. *Attagenus bifasciatus* (Olivier, 1799) cited by [1] /identified S.V. Pushkin, 2018

Material: label "USA. CA. San Diego 550 m. N32°43' W116°50'. R. Dudko. 23-26.05.2013 "

46. *Thaumaglossa laeta* Arrow, 1915 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Phillippines Pagudpud, ilocos Norte, Mindanao. 08.11.2016"

Distribution: China; Indonesia: Flores; Japan; Laos; Philippines; Taiwan Thailand; Vietnam [1].



Fig. 1. Photo collection SZMN.

Collection D.A. Kasatkina and I.V. Shokhina, Rostov-on-Don

1. *Dermestes lanarius* Illiger, 1810 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Yakutia N 61,46512 ° E126,33860 ° 24-25.07.2016"

Distribution: Turkey; Morocco; Libya; Tunis; Afghanistan; „Caucasus“; China: Inner Mongolia, Qinghai, Shaanxi, Sichuan; Iran; Iraq; Israel; Jordan; Kazakhstan; Kyrgyzstan; Mongolia; North

Korea; Pakistan; Russia; Syria; Tadzshikistan; Turkmenistan; Uzbekistan [1].

2. *Dermestes ater* DeGeer, 1774 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Yakutia N 61,46512 ° E126,33860 ° 24-25.07.2016"

Distribution: Cosmopolitan.

3. *Attagenus erevanicus* Zhantiev, 1963 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Armenia. Yerevan. 10.20.2013 "

Distribution: Armenia: Ararat Mts.[1].

4. *Attagenus quadritinctus* Reitter, 1889 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Nakhichevan. Siral. 08.20.2014"

Distribution: Armenia; Iran [1].

5. *Dermestes (Mantandonia) olivieri* Lepesme, 1939 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Turkey, Mersin Camllyala distr., Near Sebil vill. Cenechem Dere gorge N 37,12362 E 34,54080 30-31.05. 2010. Kastkin"

Distribution: Armenia; Cyprus; Georgia; Ukraine; Turkey; Tunisia; „Caucasus“; Iran; Russia; Syria; Turkmenistan [1].

6. *Attagenus ionicus* Zhantiev, 2005 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Nakhichevan. Bataban. 5.09.2011"

Distribution: Crete; Greece: Samos; Turkey [1].

Remark: new location of detection.

7. *Attagenus quadrimaculatus* Kraatz, 1858 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Turkey. Marolyn"

Distribution: Albania; Bosnia and Hercegovina; Bulgaria; Croatia; France; Greece; Macedonia; Montenegro; Serbia; Slovenia; Switzerland; Turkey; „Caucasus“; Jordania; Lebanon [1].

8. *Dermestes sardous asiaticus* Háva, 2002 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Iran, Azarbayjan Garbi prov. Near Rajan vill., 25-27.05.2014 N 37 47.40 E 49 375826 Kasatkin D."

Distribution: Turkey; Iran; Israel; Jordania; Syria [1].

Remark: the first mention of Azerbaijan.

9. *Dermestes sardous asiaticus* Háva, 2002 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Iran, West Azerbaijan prov. Near Piranshahr 1620-2300 m N 36.606170 E 45.121450 16-18.05.2015 Kasatkin D."

10. *Attagenus aurantiacus* Reitter, 1900 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Iran, Golestan prov Azad-Shakhr and Shakhrud Khoshyeylag vill., 15-16.05.2016. N 36.49.31.80 E 55.20.3178 Kasatkin"

Distribution: Iraq; Israel; Syria; Turkey [1].

Remark: the first mention of Iran.

11. *Attagenus brittoni* Kalík, 1954 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Iran, Golestan prov Azad-Shakhr and Shakhrud Khoshyeylag vill., 15-16.05.2016. N 36.49.31.80 E 55.20.3178 Kasatkin"

Distribution: Iran [1].

12. *Attagenus orientalis* Reitter, 1889 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Iran, Golestan prov Azad-Shakhr and Shakhrud Khoshyeylag vill., 15-16.05.2016. N 36.49.31.80 E 55.20.3178 Kasatkin"

Distribution: Azerbaijan; Tunisia; „Caucasus“; Iran; Iraq; Lebanon; Syria; Turkey [1].

13. *Attagenus obtusus* (Gyllenhal in Schönherr, 1808) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Turkey Mush prov near Bulgan pass 28-31.05.2011. Kasatkin"

Distribution: Armenia; Turkey; „Caucasus“; Iran; Iraq; Israel; Saudi Arabia [1].

14. *Attagenus unicolor simulanus* Solsky, 1876 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Turkey Mush prov. near Bulgan pass 28-31.05.2011. Kasatkin"

Distribution: Afghanistan; China: Hebei, Inner Mongolia, Xingjiang; Kazakhstan; Kyrgyzstan; Mongolia; Russia; Tadzhikistan; Turkmenistan; Uzbekistan [1].

Remark: the first mention of Turkey.

15. *Attagenus molitor* Reitter, 1889 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Turkey Mush prov. near Bulgan pass 28-31.05.2009. Kasatkin"

Distribution: China: Xinjiang; Iran; Kazakhstan; Mongolia [1].

Remark: the first mention of Turkey

16. *Attagenus dispar* (Redtenbacher, 1843) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Iran, Khorosan-Rezavi prov., near Nishabur N 36.15.1994 E 58.59.21.86 19.05.2016 Kasatkin"

Distribution: Armenia; Greece; Turkey; Egypt; Iran; Syria [1].

17. *Attagenus aurantiacus* Reitter, 1900 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Turkey Bitlis Tatvan 1650 m 13.07.2007 Shokhin I.V."

Distribution: Iraq; Israel; Syria; Turkey [1].

18. *Attagenus bifasciatus* (Olivier, 1790) cited by [1] /identified S.V. Pushkin, 2018
Material: label "Turkey Bitlis Tatvan 1650 m 13.07.2007 Shokhin I.V."

Distribution: Turkey; Algeria; Egypt; Libya; Morocco; Tunisia; Afghanistan; „Caucasus“; India; Iran; Iraq; Israel; Lebanon; „Palestina“; Russia; Syria; Turkmenistan [1].

Remark: the first mention in Turkey.

19. *Dermestes frischi* Kugelann, Johann G. 1792 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Taman 7.5.2016. Shokhin"

Distribution: Cosmopolite.

20. *Dermestes sibiricus* Erichson, 1846 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Taman 7.5.2016 Shokhin"

Distribution: Armenia; Turkey; „Caucasus“; N China; Iran; Kazakhstan; Mongolia; Pakistan; Russia [2]; Turkmenistan; Uzbekistan [1].

21. *Paranovelsis quadricolor* (Sumakov, 1907) cited by [1] /identified S.V. Pushkin, 2018
Material: label "Armenia Sevan 7.06.2016. Shokhin"

Distribution: Turkey; Kazakhstan; Kyrgyzstan; Mongolia; Tadjikistan; Turkmenistan; Uzbekistan [1].

22. *Attagenus bifasciatus* (Olivier, 1790) /identified S.V. Pushkin, 2018
Material: label "Armenia Sevan 7.06.2016. Shokhin"

Distribution: Turkey; Algeria; Egypt; Libya; Morocco; Tunisia; Afghanistan; „Caucasus“; India; Iran; Iraq; Israel; Lebanon; Palestina; Russia; Syria; Turkmenistan [1].

Remark: the first mention of Armenia.

Collection of B. Georgi, Izhevsk

1. *Attagenus smirnovi* Zhantiev, 1973 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Udmurtia Izhevsk B. Georgi 29.03.2009"

Distribution: Turkey; Eritrea; Ethiopia; Kenya; Morocco; Sudan; Greenland; Malaysia; Kelantan; Oman; Russia; Saudi Arabia; Thailand [1].

2. *Attagenus smirnovi* Zhantiev, 1973 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Udmurtia Izhevsk B. Georgi 29.03.2009"

3. *Attagenus unicolor* (Brahm 1791) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Udmurtia Izhevsk B. Georgi 29.03.2009"

Distribution: Cosmopolite.

4. *Dermestes murinus murinus* Linnaeus 1758 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Udmurtia Izhevsk B. Georgi 29.03.2009"

Distribution: Canary Is.: Tenerife; Cyprus; Turkey; Egypt; Morocco; Tunisia; China; Iran; Kazakhstan; North Korea; Kyrgyzstan; Pakistan; Russia; Syria; Tadjikistan; Turkmenistan; Uzbekistan [1].

5. *Dermestes murinus* Linnaeus 1758 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Udmurtia Izhevsk B. Georgi 29.03.2009"

6. *Attagenus dispar* (Redtenbracher, 1843) cited by [1] /identified S.V. Pushkin, 2018
Material: label "Egypt Hurghada. The sea shore of B. Georgi 3/10/2014"

Distribution: Armenia; Greece; Turkey; Egypt; Iran; Syria [1].

7. *Anthrenus picturatus picturatus* Solsky, 1876 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Udmurtia Izhevsk B. Georgi 29.03.2009"

Distribution: Azerbaijan; Corsica; Georgia; Poland; Slovakia; Turkey; Afghanistan; „Caucasus“; Iran; Kyrgyzstan; Kazakhstan; Russia; Tadjikistan; Turkmenistan; Uzbekistan; South Africa; Pretoria [1].

8. *Anthrenus picturatus picturatus* Solsky, 1876 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Udmurtia Izhevsk B. Georgi 29.03.2009"

9. *Trogoderma inclusum* LeConte, 1854. cited by [1] /identified S.V. Pushkin, 2018

Material: label "Udmurtia Izhevsk B. Georgi 29.03.2009"

Distribution: Canary Is.; Cyprus; Turkey; Algeria; Egypt; Morocco; Tunisia; South Africa; Peru; Canada; Mexico; U.S.A.; China: Jiangxi; India; Iran; Iraq; Israel; Japan; Lebanon; Russia; South Korea; Thailand; Uzbekistan; Australia; New Zealand [1].

From a private collection of Raikov O.A. Moscow (MPGU). This is the most interesting collection. It contains the collections of E. Reitter, Zolotarev, E. Koenig, V.N. Luchnika, and others (fig. 2).

1. *Attagenus londisimus* Pic, 1904 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Turkmenistan 5.05.1902. Luchnik"

Distribution: China: Inner Mongolia, Xinjiang; Kazakhstan; Mongolia; Tadzhikistan; India: Kashmir [1].

Remark: the first mention of Turkmenistan.

2. *Dermestes pardalis* Billberg in Schönherr, 1808 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Turkmenistan 5.05.1902. Luchnik"

Distribution: Corsica; Germany; Portugal; Sardinia; Spain; Algeria; Morocco; Tunisia [1].

Remark: the first mention of Turkmenistan.

3. *Dermestes fuliginosus* Rossi, 1792 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Teberda 10.06.1908. A. Zolotarew"

Distribution: Turkey; „Caucasus“; Iran; Russia [1].

4. *Paranovelsis pantherinus* (Ahrens, 1814) /identified S.V. Pushkin, 2018

Material: label "Teberda 5000 m A. Zolotarew. 1905"

Distribution: „Caucasus“; Turkey [1].

Remark: the first mention of Russia.

5. *Paranovelsis punctatus* (Scopoli, 1772) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Teberda 4200 m. A. Zolotarew"

Distribution: Austria; Azerbaijan; Croatia; Czech Republic; Denmark; France; Germany; Hungary; Italy; Netherlands; Poland; Romania; Serbia; Sicily; Slovakia; Spain; Sweden; Switzerland; Ukraine; Russia [1].

Remark: the first find of the species in Russia.

6. *Megatoma undata* L., 1758 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Transbaikal Kōra A. Zolotarew"

Distribution: „Caucasus“; Russia [2]; U.S.A.: Utah [1].

7. *Anthrenus amoenulus* Reitter, 1896 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kyzyl 1.07.1908. Luchnik"

Distribution: Afghanistan; Caspian Lowlands; Caucasus; Iran; Turkey; Turkmenistan [1].

8. *Attagenus unicolor japonicus* Reitter, 1877 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kyzyl 1.07.1908. Luchnik"

Distribution: Netherland; Romania; Switzerland; Turkey; Canada; U.S.A.; China; Japan; North Korea; Mongolia; Russia: Siberia; Taiwan [1].

9. *Attagenus obtusus* (Gyllenhal in Schönherr, 1808) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Peralek 7.05.1909. Luchnik"

Distribution: Armenia; Turkey; „Caucasus“; Iran; Iraq; Israel; Saudi Arabia [1].

10. *Attagenus civetta* (Mulsant & Rey, 1868) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Peralek 7.05.1909. Luchnik"

Distribution: Malta; Spain; Algeria; Libya; Morocco; Tunisia; Israel; Palestina [1].

11. *Dermestes dimidiatus* Steven in Schönherr, 1808 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Chita. Luchnik"

Distribution: Moldavia; „Caucasus“; China, Tibet; Kazakhstan; Kyrgyzstan; Mongolia; Russia [1].

12. *Globicornis nigripes* (Fabricius, 1792) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Mudlang Hoffmann. 1909"

Distribution: Caucasus; Russia [1, 2].

13. *Dermestes lardarius* L., 1758 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Frisch Les Hoff. 1909"

Distribution: Cosmopolite.

14. *Attagenus aristidis* Pic, 1894 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Kubani Raecar. Luchnik. 1920"

Distribution: Algeria; Egypt; Libya; Morocco; Iran; Qatar; Saudi Arabia [1].

Remark: the first species found in Russia.

15. *Dermestes (Dermestinus) maculatus* De-Geer, 1774 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Puerto Rico Cabis. Hi. Reitter. 1889"

Distribution: Cosmopolite.

16. *Attagenus scalaris* (Pic, 1894) /identified S.V. Pushkin, 2018

Material: label "Caucasus Thana-Tha E. Konig. 1900"

Distribution: Egypt; Libya; Israel [1].

Remark: first sight of the species in the Caucasus.

17. *Dermestes murinus murinus* Linnaeus 1758 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Caucasus Thana-Tha E. Konig. 1900"

Distribution: Canary Is.: Tenerife (intr.); Cyprus; Turkey; Egypt; Morocco; Tunisia; China; Iran; Kazakhstan; North Korea; Kyrgyzstan; Pakistan; Russia; Syria; Tadzhikistan; Turkmenistan; Uzbekistan [1].

18. *Dermestes sibiricus* Erichson, 1846 cited by [1] /identified S.V. Pushkin, 2018

Material: label "The Kharkov Gubernia. Luchnik. 1900"

Distribution: Armenia; Turkey; „Caucasus“; N China; Iran; Kazakhstan; Mongolia; Pakistan; Russia; Turkmenistan; Uzbekistan [1].

19. *Megatoma (Megatoma) ruficornis* Aubé, 1866 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Teberda. Zolatarew"

Distribution: France; Crete; Cyprus; Greece; Hungary; Italy; Serbia; Slovakia; Spain; Turkey; Ukraine [1].

Remark: the first species found in Russia.

20. *Dermestes elegans* Gebler in Ledebour, 1830 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Armenia. 12.08.1910"

Distribution: Turkey; China; Iran; Kazakhstan; Kyrgyzstan; Mongolia; Tadzhikistan; Turkmenistan; Uzbekistan [1].

Remark: the first species found in Armenia.

21. *Dermestes murinus murinus* Linnaeus 1758 cited by [1] /identified S.V. Pushkin, 2018

Material: label "Tiont Gram L. Bleuse"

22. *Anthrenus pimpinellae* (Fabricius, 1775) /identified S.V. Pushkin, 2018

Material: label "Teberda. Luchnik. 1909"

Distribution: Cosmopolite.

23. *Dermestes vulpinus* Fabricius, 1781. Identified Luchnik cited by [1] /identified S.V. Pushkin, 2018 [*Dermestes maculatus* De-Geer, 1774]

Material: label "Petrozavodsk 2.08.1917"

Distribution: Cosmopolite.

24. *Dermestes luganensis* Stierlin, 1902. Identified Luchnik cited by [1] / [*Dermestes lardarius* Linnaeus, 1758] identified S.V. Pushkin, 2018

Material: label "Algeria. Reitter"

Distribution: Cosmopolite.

25. *Anthrenus scrophulariae* (Linnaeus, 1758) cited by [1] /identified S.V. Pushkin, 2018

Material: label "Caucasus Teberda. Luchnik. 10.8.1908"

Distribution: Chile (intr.); Australia (intr.); Tasmania (intr.) [1].

26. [*Attagenus fasciolatus* (Solsky, 1876)] *Attagenus obtusus* var. *dispar*: Reitter, 1891. Identified Reitter cited by [1] /identified S.V. Pushkin, 2018

Material: label "Gellia. Reitter". *Attagenus obtusus* var. *dispar* Reitter, 1891

Distribution: „Caucasus“; Kazakhstan; Mongolia; Russia; Saudi Arabia; Tadzhikistan; Turkmenistan; Uzbekistan [1].

27. [*Attagenus dispar* (Redtenbacher, 1843)] cited by [1] /identified S.V. Pushkin, 2018

Material: label “Yerusalim. Reitter”, label identified *Attagenus obtusus* var. *dispar* Reitter, 1891
Distribution: Armenia; Greece; Turkey; Egypt; Iran; Syria [1].

28. *Megatoma undata* L., 1758 cited by [1] /identified S.V. Pushkin, 2018

Material: label “Vilnius. Luchnik. 1912”
Distribution: „Caucasus“; Russia; U.S.A.: Utah (intr.) [1].

Remark: Latvia is indicated for the first time.

29. *Dermestes vulpinus* Fabricius, 1781 cited by [1] /identified S.V. Pushkin, 2018

Material: label “Petrozavodsk 2.10.1917”

30. *Dermestes vulpinus* Fabricius, 1781 /identified S.V. Pushkin, 2018

Material: label “Kelecsenyi Gallia”

31. *Anthrenus (s.str.) pimpinellae* (Fabricius, 1775) cited by [1] /identified S.V. Pushkin, 2018

Material: label “Petrozavodsk. 1909. Luchnik”

32. *Attagenus smirnovi* Zhantiev, 1973 cited by [1] /identified S.V. Pushkin, 2018

Material: label “Caspian Sea. Luchnik. 1925”

Remark: indicated for the first time in the Caspian coast.

33. *Dermestes capucinus* Linnaeus, 1758. Luchnik / -non Dermestidae, Bostrichidae (species is not defined) identified S.V. Pushkin, 2018

Material: label “Bukhara 7.07.1924. Luchnik”

34. *Attagenus simplex* Reitter, 1881 cited by [1] /identified S.V. Pushkin, 2018

Material: label “Bukhara 7.07.1924. Luchnik”

Distribution: Italy; Sicily; Sweden (intr.); Turkey; Algeria; Libya; Morocco; Tunisia; Israel [1].

Remark: indicated for the first time in Bukhara

35. *Anthrenus (Nathrenus) verbasci* (Linnaeus, 1767) cited by [1] /identified S.V. Pushkin, 2018

Material: label “Bukhara 7.07.1909. Luchnik”

Distribution: Cosmopolite.

36. *Attagenus pellio* L., 1758 cited by [1] /identified S.V. Pushkin, 2018

Material: label “Carpathians. Reitter”, label identified: *Attagenus pellio*.

Distribution: Cosmopolite.

37. *Megatoma undata* L., 1758 cited by [1] /identified S.V. Pushkin, 2018

Material: label “Caucasus centr. Bor. Teberda A. Zolatorew”

Distribution: „Caucasus“; Russia; U.S.A.: Utah [1].
Remark: found for the first time in the mountainous part of Russia

38. *Dermestes bicolor bicolor* Fabricius, 1781 cited by [1] /identified S.V. Pushkin, 2018

Material: label “Caucasus centr. Bor. Teberda A. Zolatorew”

Distribution: Cyprus; Canary Is; Afghanistan; India: Punjab; Iran; Japan; Kazakhstan; North Korea; Kyrgyzstan; Pakistan; Russia; Syria; Turkey; Tadzhikistan; Turkmenistan [1].

39. *Dermestes bicolor bicolor* Fabricius, 1781 cited by [1] /identified S.V. Pushkin, 2018

Material: label “Caucasus centr. Bor. Teberda A. Zolatorew”

40. *Anthrenus picturatus picturatus* Solsky, 1876 cited by [1] /identified S.V. Pushkin, 2018

Material: label “Bukhara. 1909”

Distribution: Azerbaijan; Corsica (intr.); Georgia; Poland; Slovakia; Turkey; Afghanistan; „Caucasus“; Iran; Kyrgyzstan; Kazakhstan; Russia; Tadzhikistan; Turkmenistan; Uzbekistan; South Africa: Pretoria (intr.) [1].

41. *Dermestes coronatus* (Steven in Schönherr, 1808) / cited by [1] identified S.V. Pushkin, 2018

Material: label “Bukhara. 1909

Distribution: Poland (intr.); Turkey; Afghanistan; „Caucasus“; China: Xinjiang; India: Kashmir; Iran; Kazakhstan; Kyrgyzstan; Mongolia;

Pakistan; Russia; Tadzhikistan; Turkmenistan; Uzbekistan [1].

42. *Dermestes valpinus* Fabricius, 1781 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Petrograd 2.08. 1917. Luchnik"

43. *Anthrenus verbasci* (L., 1758) /identified S.V. Pushkin, 2018
Material: label "Petrograd 2.08. 1917. Luchnik"
Distribution: Cosmopolite.

44. *Dermestes lanarius lanarius* Illiger, 1802 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Petrograd 2.08. 1917. Luchnik"
Distribution: Turkey; Morocco; Libya; Tunis; Afghanistan; „Caucasus“; China: Inner Mongolia, Qinghai, Shaanxi, Sichuan; Iran; Iraq; Israel; Jordan; Kazakhstan; Kyrgyzstan; Mongolia; North Korea; Pakistan; Russia; Syria; Tadzhikistan; Turkmenistan; Uzbekistan[1].

45. *Dermestes ater* DeGeer, 1774 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Cauc. Elisabet pel. Babadlanides. 1970"
Distribution: Cosmopolite.

46. *Dermestes frischii* Kugelann, 1792 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Peterhof. 1917. Luchnik"
Distribution: Cosmopolite.

47. *Megatoma undata* L., 1758 /identified S.V. Pushkin, 2018
Material: label "Cauc. GEORGIA E. Koenig"
Distribution: „Caucasus“; Russia; U.S.A.: Utah (intr.) [1].
Remark: discovered for the first time in Georgia.

48. *Phradonoma nobile* (Reitter, 1881) cited by [1] /identified S.V. Pushkin, 2018
Material: label "Algeria Reitter 1889", label identified: *Trogoderma nobile* Reitter, 1881
Distribution: Cyprus; England (intr.); Germany (intr.); Greece; Portugal; Spain; Algeria; Egypt; Eritrea; Libya; Morocco; Nigeria; South Africa; South Sudan; Sudan; Tanzania; Tunisia; Zimbabwe; Afghanistan; „Caucasus“; India: Madhya Pradesh, Rajasthan, Uttar Pradesh; Iran; Iraq; Israel; Jordan; Pakistan; Qatar; Russia; Saudi Arabia; Syria; Tadzhikistan; Turkmenistan;

United Arab Emirates; Uzbekistan; U.S.A.: Arizona (intr.) [1].

49. *Phradonoma nobile* (Reitter, 1881) cited by [1] /identified S.V. Pushkin, 2018
Material: label "Algeria Reitter 1889" *Trogoderma nobile* Reitter, 1881

50. *Anthrenus latefasciatus* Reitter, 1892 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Algeria Reitter 1895", label identified: *Anthrenus pimpinellae* var. *latefasciatus* Reitter, 1892
Distribution: Russia; Turkey; Afghanistan; „Caucasus“; China; Iran; Kazakhstan, Kyrgyzstan; Mandzhuria; Mongolia; North Korea; Pakistan; Russia; Syria; Tadzhikistan; Turkmenistan; Uzbekistan [1].
Remark: only found in Algeria. It is possible that the species in the last century did not exist in this territory.

51. *Globicornis variegata* (Küster, 1851) cited by [1] /identified S.V. Pushkin, 2018
Material: label "Corsica. Luchnik"
Distribution: France; Corsica; Crete; Italy; Sardinia; Sicily; Spain [1].

52. *Anthrenus zebra* Reitter, 1889 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Teberda Archer"
Distribution: Armenia; Azerbaijan; Turkey; Afghanistan; Iran; Turkmenistan [1].
Remark: first found in the mountainous part of the south of Russia.

53. *Dermestes valpinus* Fabricius, 1781 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Peterhof. 1918. Luchnik"

54. *Ctesias serra* (Fabricius, 1792) cited by [1] /identified S.V. Pushkin, 2018
Material: label "Turkmenistan. Kazantsev"
Distribution: Algeria; „Caucasus“; Russia [1].
Remark: the first record in Turkmenistan.

55. *Attagenus fallax* Gene, 1839 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Kelecsentyi. 1918"
Distribution: Croatia; France; Greece; Italy; Portugal; Sardinia; Sicily; Spain; Algeria; Egypt; Libya; Morocco; Tunisia [1].

56. *Anthrenus amoenulus* Reitter, 1896 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Caucas. Luchnik"
Distribution: Afghanistan; Caspian Lowlands; Caucasus; Iran; Turkey; Turkmenistan [1].
57. *Dermestes lardarius* L., 1758 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Odessa. Luchnik. 1920"
Distribution: Cosmopolitan.
58. *Dermestes atomariuss* DeGeer, 1774 cited by [1] / non Dermestidae, Ptiliidae [1] (species was not defined) identified S.V. Pushkin, 2018
Material: label "Tashkent 27.08.1909. Luchnik"
59. *Attagenus suspiciosus* Solsky, 1876 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Syrien. Halfa. Reitter. 1890"
Distribution: Afghanistan; China: Sinkiang; Iran; Kazakhstan; Kyrgyzstan; Mongolia; Tadzhikistan; Turkmenistan; Uzbekistan [1].
Remark: Apparently earlier in the 19th century, the range of the species included Syria was a little wider than the 21st century.
60. *Attagenus schaefferi schaefferi* Herbst, 1791 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Crimea. 1920"
Distribution: Canary Is. (intr.); Madeira; „Caucasus“; China: Inner Mongolia; Russia: W Siberia [1].
61. *Dermestes intermedius intermedius* Kalík, 1951 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Crimea. 1920. Luchnik"
Distribution: Austria; Bulgaria; Czech Republic; Crete; Croatia; Cyprus; Germany; Greece; Hungary; Italy; Macedonia; Romania; Russia: Ingushetia Republic; Slovakia; Turkey; Ukraine [1].
Remark: first time indicated in Crimea.
62. *Attagenus quadrimaculatus* Kraatz, 1858 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Crimea. 1920"
Distribution: Albania; Bosnia and Hercegovina; Bulgaria; Croatia; France; Greece, Macedonia; Montenegro; Serbia; Slovenia; Switzerland; Turkey; Caucasus; Jordania; Lebanon [1].
Remark: indicated for the first time in Crimea
63. *Dermestes valpinus* Fabricius, 1781 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Peterhof. 1917. Luchnik"
64. *Anthrenus verbasci* Fabricius, 1775 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Peterhof. 1917. Luchnik"
65. *Attagenus ionicus* Zhantiev, 2005 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Tashkent 2.07.1928"
Distribution: Crete; Greece: Samos; Turkey [1].
Remark: Apparently the earlier range of the species included Central Asia.
66. [*Dermestes elongatus* Hope, 1834. Luchnik] /*Dermestes maculatus* DeGeer, 1774 cited by [1] identified S.V. Pushkin, 2018
Material: label "Tashkent 2.07.1928. Luchnik"
Distribution: Cosmopolite.
67. *Trogoderma versicolor* (Creutzer, 1799) cited by [1] /identified S.V. Pushkin, 2018
Material: label "Carpathians. Luchnik"
Distribution: Cosmopolite.
68. [*Attagenus niseteoi* Dejean, 1821. Luchnik] cited by [1] / species (nomen nudum [1]) S.V. Pushkin, 2018
Material: label "Hispania. Valencia 1920. Luchnik"
Remark: This species requires a separate study. The view was not correctly described.
69. *Dermestes dimidiatus* Steven in Schönherr, 1808 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Hispania. Valencia 1920 Luchnik"
Distribution: Moldavia; „Caucasus“; N China, Tibet; Kazakhstan; Kyrgyzstan; Mongolia; Russia [1].
Remark: first time identified in Spain
70. *Dermestes valpinus* Fabricius, 1781 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Peterhof. 1916. Luchnik"
71. *Phradonoma villosulum* Duftschmid, 1825 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Teberda. 1920. Zolotarew"

Distribution: Turkey; Iran; Kyrgyzstan; Russia: European part; Syria [1].

72. *Anthrenus caucasicus* Reitter, 1881 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Taman. Luchnik. 1920"
Distribution: Armenia; Austria; Gruzia; Latvia); Poland; Slovakia, Caucasus; Iran; Turkmenistan [1].
Remark: first found and mentioned in Russia

73. *Attagenus brunneus* Faldermann, 1835 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Taman. Luchnik. 1920"
Distribution: Cyprus; Turkey; Algeria; Egypt; Morocco; Tunisia; South Africa; Canada; Mexico; U.S.A.; Afghanistan; China; Iran; Israel; Russia; South Korea; Kyrgyzstan; Pakistan; Russia; Turkmenistan; Uzbekistan; Yemen [1].

74. *Attagenus tigrinus* Fabricius, 1792 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Mersina sia miner A. Krichodoff"
Distribution: Italy; Malta; Sardinia; Sicilia; Algeria; Egypt; Morocco; Tunisia [1].

75. *Anthrenus verbasci* Fabricius, 1775 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Peterhof. 1917. Luchnik"

76. *Anthrenus zebra* Reitter, 1889 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Teberda 06/11/1908 A. Zolatorew"
Distribution: Armenia; Azerbaijan; Turkey; Afghanistan; Iran; Turkmenistan [1].
Remark: first found and mentioned in Russia

77. *Orphilus niger* (Rossi, 1790) cited by [1] /identified S.V. Pushkin, 2018
Material: label "Cauc. Thana-Thol. Konig E."
Distribution: Cyprus; NW Turkey; Algeria; Egypt; Tunisia; „Caucasus“; Kyrgyzstan; Russia; Tadjikistan; Uzbekistan [1].

78. *Trinodes hirtus* Fabricius, 1781 cited by [1] /identified S.V. Pushkin, 2018
Material: label "Makhachkala. 10.5.1905. Luchnik"
Distribution: Algeria; S Nigeria. Tunisia; „Caucasus“; Israel; Russia; Turkmenistan [1].

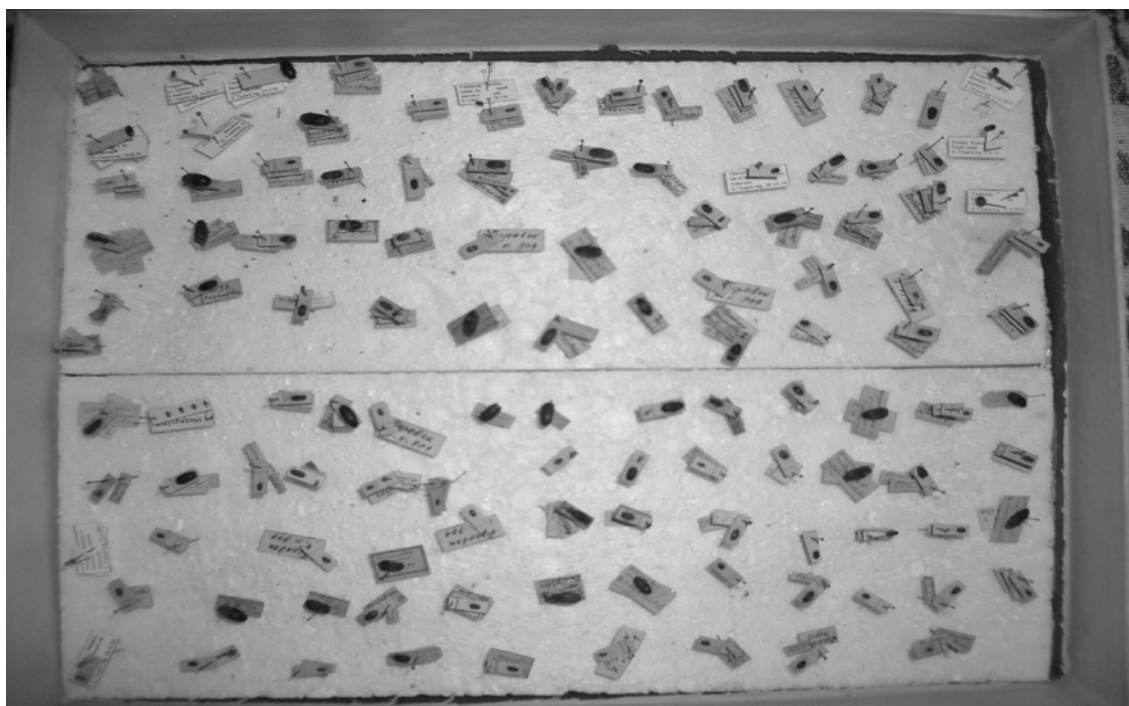


Fig. 2. Photo collection MPGU (Moscow).

These data supplemented the information on the fauna of dermestid beetles of Russian [2, 3]. The material presented in the collections has been of great scientific interest. So, the assess-

ment of the charges of E. Reitter is needed. However, no corresponding label was observed. For the first time in Turkmenistan, the species: *Attagenus aurantiacus* Reitter, 1900, *Att. lon-*

disimus Pic, 1904, *Dermestes pardalis* Billberg in Schönherr, 1808, *Ctesias serra* (Fabricius, 1792); in Uzbekistan: *Attagenus simplex* Reitter, 1881; Armenia: *Attagenus bifasciatus* (Olivier, 1790), *Dermestes elegans* Gebler in Ledebour, 1830; in Azerbaijan: *Dermestes sardous asiaticus* Háva, 2002, in Kazakhstan: *Attagenus afghanus* Háva, 2000, *Attagenus aristidis* (Pic, 1894); Iran *Attagenus aurantiacus* Reitter, 1900; in Turkey: *Attagenus unicolor simulanus* Solsky, 1876; in Algeria: *Anthrenus latefasciatus* Reitter, 1892; in Russia: *Dermestes mustelinus* Erichson, 1846, *Paranovelsis pantherinus* (Ahrens, 1814), *P. punctatus* (Scopoli, 1772), *Attagenus aristidis* Pic, 1894, *Megatoma ruficornis* Aubé, 1866, *Anthrenus caucasicus* Reitter, 1881, in the mountainous part of southern Russia: *Anthrenus zebra* Reitter, 1889, a new detection site for *Attagenus pushkini* Herrmann, Kadej & Háva, 2015; in Latvia: *Megatoma undata* L., 1758, *Anthrenus amoenulus* Reitter, 1896; in Thailand: *Dermestes fasciventris* Reitter, 1881, *Anthrenus latefasciatus* Reitter, 1892, in the USA: *Attagenus bifasciatus* (Olivier, 1799), *Dermestes szekessyi* Kalik, 1950; in Syria: *Attagenus suspiciosus* Solsky, 1876; in Caucasus: *Attagenus scalaris* (Pic, 1894); in Georgia: *Megatoma undata* L., 1758; in the coast of the Caspian Sea: *Attagenus smirnovi* Zhantiev, 1973; in Crimea: *Dermestes intermedius intermedius* Kalík, 1951, *Attagenus quadrimaculatus* Kraatz, 1858; in Central Asia: *Attagenus ionicus* Zhantiev, 2005; Spain: *Dermestes dimidiatus* Steven in Schönherr, 1808 were found.

In the next article, it would be tried to trace the development of the modern fauna of the dermestid. But even now, it can be concluded that the development of transport routes in the

world contributed to the resettlement of many species.

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Author contribution

The paper was carried out by the author on the basis of data collected during the identification of carpet beetles. The paper was carried out at the expense of Pushkin S.V.

Conflict of interest

In the article, there was no information capable of provoking conflicts of interest, with the exception of information contained in previously published articles by Pushkin S.V.

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